SARDAR PATEL UNIVERSITY

**VALLABH VIDYANAGAR – 388 120
GUJARAT**

THE RE-ACCREDITATION REPORT

MAY 2016

SARDAR PATEL UNIVERSITY

RE-ACCREDITATION REPORT
(RAR)

Professor (Dr) Harish Padh
Vice Chancellor
Sardar Patel University
Vallabh Vidyanagar, Gujarat (India).

Foreword

Sardar Patel University was founded in 1955 in Vallabh Vidyanagar site, whose foundation stone was laid by late Jawaharlal Nehru in 1949. The university was established especially to serve and cater the rural population and regenerate the rural Indian life through teaching and practice of Higher Education and research in areas that touch the rural life and contribute to its development. The university has recently completed 60 years of its glorious existence and stood as a model for rural development not only in Gujarat but also at the National Level. Therefore it gives us lot of satisfaction in realizing the vision of our founder fathers Shri Bhaikaka and Bhikhabhai who derived immense inspiration from the tallest of our leaders namely, Shri Sardar Vallabhbhai Patel, The Iron Man of India, and Deputy Prime Minister of India on whose name this university was set up and Shri H. M. Patel.

The vision statement of our university envisages and encompasses the ideas of processes that would lead to the making of human resource equipped with modern scientific temper and skills, knowledge based society and responsible citizenry with values of national pride, international understanding, peace and prosperity through academic excellence. The university has been striving to keep up the pace with the explosion of knowledge and challenging demands of the society and revises its curricula and programs time to time and carry out research in contemporary areas of science and technology and also social sciences and humanities. Several collaborations are forged with institutions of national standing and ideas are exchanged for the mutual benefit and growth.

It is our proud privilege and pleasure in presenting our Re-Accreditation Report (RAR) along with Evaluative Report of the Departments for the period from 1st July 2010 to 30th June 2015 by readjusting the information on academic year basis and also to the new format. Our university was reaccredited in the 2nd cycle for the period from 16th September 2011 to 15th September 2016. The information and claims made in the report are supported by documentary evidence which would be accessible during the Peer Team visit. The RAR report consists of two volumes. Volume-I includes PART-A and PART-B. PART-A gives executive summary, profile of the university and criteria-wise analytical report. PART-B includes evaluative reports of departments, declaration by the Head of the Institution and statement of compliance. Volume-II is supporting information in the form of elaborate annexures.

We shall be happy to answer any queries, NAAC may need in processing our RAR further.

Harish Padh

Place : Vallabh Vidyanagar
Date   : 02-05-2016.

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EXECUTIVE SUMMARY

1. Executive Summary

Sardar Patel University, established as a rural university in 1955 by its founders, Shri Bhaikaka and Shri Bhikhabhai. It is today what it is, thanks to the visionary leadership it has been blessed in all these years. The university has seen a lot of change in recent years. Sardar Patel University has always remained steadfast in its resolve, following sagacious words of those like Gaudino (1965) and Barnes (1986), to keep embracing change without losing its vision, mission and goals. It has been designing and implementing academic programmes year after year; following sound policies with regard to admissions, teaching-learning process, updating of syllabi by keeping a watchful eye on the needs of the job market to give its products a competitive edge in employment; and awarding and conferring degrees, besides innovating on its practices all the time, effective continuous evaluation process, planning and conducting research, estimating, generating and allocating fiscal resources, granting of affiliation and recognition to the institutions seeking association with it, liaising with government/semi-government and other social and philanthropic organizations.

The university was started with a noble and challenging cause of rejuvenating rural India through pursuit of Higher Education and Learning. The university is celebrating its glorious existence of 60 years and in fact, emerged as a model for rural development. It is worth to record that the university started with land donation and also financial assistance from the sons of soil, the modest farmers. Befittingly, the university fulfilled its mission and contributed to the development of the area and empowering the rural population with attributes of higher learning and research. Today, the university research especially in the areas of basic sciences is rated high at national and international levels.

Sardar Patel University is continuously striving to update and modernize its academic and research activities in tune with the local as well as global demands. It is boasted with a rich and well acclaimed alumni spread across the globe.

1. CURRICULAR ASPECTS

Sardar Patel University is an affiliating higher education institution offering multidisciplinary postgraduate courses in its constituent departments under various faculties covering from science, arts, home science, business studies, business management, library and information sciences and also technical subjects like pharmacy, electronics and applied courses such as Materials Science, Nanoscience and Technology, Biotechnology and Industrial Biotechnology etc. with a curriculum designed and updated keeping the modern developments and demands of the industry and society. The university has taken a bold step to start interdisciplinary postgraduate programmes in the emerging

areas of Biomedical Science, Defence Science, Earth Science and also innovative subjects of Bioinformatics, Quality and Productivity Management to produce especially skilled human resource and equip them with necessary knowledge attributes to take up the challenges of modern industry. University is also one of the few in the country to offer specially designed courses such as Android Technology, Advanced Java Programming, Financial Mathematics, Environmental problems in India, Feminism and women's participation in Indian politics, electoral politics, art of film appreciation and personalized nutrition.

The ongoing inter and multidisciplinary courses in Industrial Biotechnology, Food Biotechnology, Nutrigenomics, Indian Political Economy and Political Sociology are fine tuned. All the PG programs are run in fully CBCS mode with core and elective options and also flexibility for credit transfer. The university also has introduced BEd and MEd in special education for mentally retarded, again a novel initiative to address the concerns of less blessed strata of society. In order to improve the employability of students, several value-added courses such as computer applications in Home Science, Community nutrition, communication technology, entrepreneurship, life enrichment, consumer protection and behavior are also added without dilution of courses needed to develop core competence.

The university regularly takes the feedback from stakeholders and analyse it to enrich the curriculum, modification of syllabus periodically and also to introduce specialized elective or value-added courses.

Some of the novel initiatives during the assessment period for enhancing quality of PG Degrees are summarized below:

- Making the students abreast of updates in their respective disciplines
- According top priority to industry-academia interaction for curriculum design/development and research
- Orientation Programmes to the students at the beginning of Academic year
- Deputation of teachers to Orientation and Refresher Programmes to keep themselves updated regarding their subject areas
- Encouraging inter-disciplinary approach both in curricular design and research programmes
- Introducing value-added courses
- Periodical revision of the existing syllabi
- Regular conduct of Faculty meets in the respective disciplines to make the curriculum compatible to meet contemporary societal needs
- Organizing guest lectures and training programs by top executives and Industrialists

- Involvement of faculty and scientists from PRL, Ahmedabad, SAC, Ahmedabad, AIIMS, New Delhi, ARDE, Pune, to design the new inter-disciplinary courses in the areas of Earth Science, Biomedical Science and Defence Science
- Periodical feedback from the Stakeholders of the University to provide vital inputs to the University to initiate quality sustenance and quality enhancement measures
- Strengthening of student support services in general and placement services in particular to improve employability of the students
- Offering programmes on Values & Moral ethics and NCC, NSS & Sports as value added courses to imbibe moral values and mould the students as responsible citizens

2. TEACHING-LEARNING EVALUATION

The university has a well-managed and transparent admission procedure. Admission to various courses offered in constituent departments is kept open for all and is strictly based on the merit of the marks obtained in the qualifying examination, and follows an inclusive and equal opportunity approach guided by the rules and regulations on reservations to different categories as stipulated by Government of Gujarat from time to time. The admission begins well in advance by issuing a notification in the leading news papers as well as by placing it on the university website. The university prospectus, a self-contained and guided document listing intake capacity in each of the courses, fee-structure, minimum eligibility and also percentage of intake seats for different categories namely, SPU, OUG (Other Universities in Gujarat), OTG (universities Other Than Gujarat), SC, ST, OBC, PwD and Minority, etc. The prospective candidate fill-in the admission form online and submit a printed hard copy. After due verification, the merit list is prepared category-wise and kept on the university website. The admission committee at departmental level allots the seats by personal counselling and as per merit. The continuous and persistent policy of State Government and university resulted an increase of number of girl students and the ratio of boys to girl has decreased to 1.14 in the current academic year. International students are directly admitted after obtaining equivalence certificate from National Accreditation Agencies. The admissions to professional courses like MCA, MBA and MPharm are governed by the State Level Admission Committee for Professional Courses (ACPC) based on Common Management Admission Test (CMAT) score. The admission to MPhil and PhD courses is strictly by a test as per UGC minimum standards 2009. The numbers of vacancies faculty wise along with the counseling dates are displayed well in advance on the university website. The admission cum counseling session is conducted by duly constituted departmental research committee. The interest and broad outline of intended research by the student, and the research interest of the faculty are taken into consideration in allotting the supervisor.

Keeping the diversity of student profile in mind, each department conducts an orientation/induction programme to fresh students in presence of the seniors and faculty members to make them aware about the teaching-learning methodology adopted, experimental procedure of the laboratories, availability of student's facilities and amenities within the department and university campus. The academic schedule of given semester is decided well in time before its commencement and the students are made aware of various deadlines including the schedule of internal test as well as tentative dates of university semester-end examination.

The teaching schedule and methodology considers the needs of fast, slow and average learners. Special care is taken to ensure the overcoming of learning gap. The synopsis of lectures and units is provided before hand and the various sources of learning and self-study are briefed by the faculty members. The students are counseled about suitability of electives based on their interest and also options available for the research based projects. The use of ICT-enabled tools including online Internet facility is made by the faculty for clarity of explanation and demonstration. The students are provided access to computer lab and also departmental library facilities.

The university has a well-qualified faculty and encourages the younger ones for updation of the subject and teaching skills to attend orientation and refresher courses. In some cases, the junior faculties are advised to attend the class room lectures of the senior faculty. The faculty members are deputed to attend national/international seminar/conferences/workshops for their appraisal of current trends and approaches in their field. The departmental seminars are also arranged for wider discussion and exposure. The meritorious and fast learning students are rewarded with appreciation certificates and prizes. The remedial classes are arranged to the slow learners. The lectures and talks by eminent faculty from other reputed universities or institutions are regularly arranged under various programmes so that the faculty members as well as students get a benefit expertise and experience. The teachers are recruited as per the UGC and State Government norms and their promotions under Career Advancement Scheme are made as per verification and evaluation of Academic Performance Indicators, as defined by UGC. The teaching hours for a given course in a semester are strictly maintained and compensation of lectures during leave of absence is made by the respective faculties by exchanging their classes with other faculty and conducting the missed classes at later time. During the assessment period, number of teaching weeks is maintained more than 90 days per semester.

The students and other stakeholders are well informed about the succinct features of continuous evaluation system. The marks are divided into internal and external parts. The internal marks are subdivided into quiz, seminar/assignment/tutorial and test. The format of the test paper both at internal

as well external examination is designed to consist of multiple choices, short-answered and long-answered explanatory based questions. The marks are displayed on the notice board and students are shown evaluated answer-books of internal examination free of cost. Contact hours per course are shown in the time-table and students are encouraged to approach the teachers during this time and to discuss issues pertaining the learning as well as evaluation.

Sufficient care, caution and fairness are maintained in the evaluation process and any grievance is redressed instantly by the faculty members. The confidentiality about the student and his/her exam seat number is strictly maintained by bar-coding process from the examination hall to mark sheet printing. The marks are entered into the computer to the captured seat numbers. The answer-books of university semester-end examination are shown to the students after due application and the opportunity for re-assessment is given within 10 days of obtaining the mark sheet. The re-evaluation process is taken up by a separate cell looked after by a Vice-Chancellor's appointee. The course work is an integral part of MPhil and PhD programmes. A course on research methodology and analytical techniques or tools is a must. The completion of the course work, conducting the examination and evaluation are taken care by a core committee appointed by respective DRC.

Following are the some salient features introduced to enhance the quality of teaching, learning and evaluation:

- Transparency in admission process through inclusive practices
- Ensuring the diverse nature of students profile by admitting students belonging to different social groups namely SC, ST, OBC, PwD and Minority etc.
- Arranging summer programmes, internship and training schools to the students for partial project work at national level institutes or universities
- Provision of scholarships, free-studentships and fellowships to the above from Government as well as university's own resources
- Ensuring conducive learning environment with ICT-enabled classrooms, library and hostels
- Examination reforms:
    - **Pre-examination processes:** Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.
    - **Examination process:** Examination material management, logistics, etc.
    - **Post-examination process:** Attendance capture, OMR based exam result, auto processing, generic result processing, certification, etc.
- Confidential and fair evaluation process

3. **RESEARCH CONSULTANCY AND EXTENSION**

Sardar Patel University is known for its research from its inception. The research is mainly sponsored by various programmes such as major and minor research projects of individual investigators, special funding to departments by national funding agencies under the programmes such as UGC-DRS, UGC-SAP, UGC-CAS, DST-FIST, GUJCOST, DST-PURSE, etc. The individual projects are sponsored by various agencies like UGC, DST, DBT, GSBTM, GUJCOST, UGC-DAE, BARC, MoEF, ICSSR, etc. Several major research facilities costing crores of rupees have been set up in the science departments that are useful for characterization, analysis, testing, evaluation and monitoring of performance of chemical compounds of biological or synthetic origin. Out university was one of the few in the country to have electron microscope in the early 80's. Continuing this tradition the research facilities of highest standard and modern techniques are set up.

The individual faculty members decide the themes of their own research work looking into the infrastructure available in their own labs. The departments covered under major funding as above have identified thrust areas. So faculty members are carrying out research work in their own domain as well as on the thrust themes of the individual departments. The visibility of the research output is reflected through the large number of research papers in journals of national and international repute. The impact of this research output can be seen from the citations and h-index. The Web of Science search reveals that the university has overall citations of about 13,500 and h-index of 47 based on the data scanned for the period from 2000 to 2016. DST, New Delhi has identified our university as one of the 30 universities in India to be covered under PURSE programme. Under this programme, several sophisticated equipments namely, Qudrapole LCMS, Preparative HPLC, GC with heads space group, Size exclusion chromatograph, Steady-state fluorescence Spectrophotometers, Simultaneous thermal analyzer system, Inductive coupled plasma (ICP), Inverted fluorescence microscope, Rheometer, Semiconductor analyzer and Isothermal titration calorimeter have been acquired, installed and used in a separately created central facility. Taking inspiration from this award the university has decided to initiate and inculcate inter-disciplinary academic and research programmes by creating Centre for Inter-disciplinary Studies in Science and Technology (CISST). Several research personal were appointed in the period: 2011-2014 and some are continued at present to run this facility. The other notable equipments are Single crystal X-ray diffractometer, Powder X-ray diffractometer and High resolution NMR spectrometer. A total of 12 Post Doctoral/Research Associates have undertaken their research during the assessment period.

The admission to MPhil and PhD programmes is handled by Departmental Research Committee (DRC) and the policies regarding the research are framed time to time by Board of Postgraduate Studies and Research, Faculty. The

timings of research laboratories and central facility are flexible and the equipments are used to the optimum time. These facilities are also extended to the researchers, students, faculty and scientists from outside the university including industries at a nominal charge. The charge collected is pooled into analytical service fund. This fund is utilized for maintenance purpose. Some of the major equipments are on Annual Maintenance Contract (AMC). Specialized technical personal are appointed on full-time basis to run these machines and ensure their maintenance. Our faculty members collaborate with other universities and institutes such as AIIMS, New Delhi, NEERI, Nagpur, IICTE, Hyderabad, BARC, Mumbai, IGIB, New Delhi to name a few. A total of 22 such collaborative projects are taken up during the assessment period.

During this assessment period, 70 major research projects (₹8,00,87,329), 25 minor research projects (₹39,32,400) were successfully completed with tangible results in terms of high impact publication and PhD degrees. At present 15 major research projects (₹6,38,48,969) and 5 minor research projects (₹12,08,000) are ongoing.

Besides the government funded projects, faculty members also handled industry sponsored projects. Thirteen of such projects with a budget outlay of ₹27,17,400 were completed during the assessment period and 2 such projects costing ₹5,50,000 are ongoing. The university has taken a novel initiative from its own resources to fund minor research projects under SEED GRANT MONEY for inculcating research culture in uninitiated faculty members. Under this scheme, forty two projects in the areas of science, humanities and social sciences with the overall budget outlay of more than 30 lakhs have been awarded and successfully completed. Some of these projects are converted into major research projects and thus fulfilled our objective.

The university has filed 6 patents in the last five years. The research output is remarkable and includes 323 PhDs, 538 MPhils, 572 MSc (Dissertation Projects), 1306 research papers in journals of national and international reputes, 54 chapters in edited books, 71 books with ISBN number. The international impact of the published research work is noteworthy. As per the Web of Science source, for 1,432 of our papers, 13,428 citations are received at an average citation of 9.38 per paper. The overall h-index of the university is 47 for the period of 2000-2016.

- The university has organized 7 international level conferences, 79 national/state level conferences. The university is publishing following research journals :
  - Journal of Education and Psychology (Published by PG Department of Education) ISSN No. 0022-0590; OCLC No. 1782870.
  - Arth Vikas - Journal of Economic Development (Published by PG Department of Economics) ISSN: 0004-3567.

- Prajna: Journal of Pure and Applied Sciences (Basic Science), ISSN No. 0975-2595; Indexed in Indian Science Abstracts.
- Prajna: Journal of Humanities, Social Sciences and Business Administration, ISSN No.2250-0901.
- "SYNERGY": A Journal of Management (Published by Business studies department and M.B.A.) ISSN No. 0973-922X.

The faculty members and also our research students participated and presented papers in various national and international seminars/symposia/workshops/ conferences and have won 84 awards for their research work. The majority of our faculty members have also served as a member of national organizing committee, resource persons, session chair persons, key-note speakers, guest faculty and also visiting professors.

Majority of our faculty members especially in Science subjects undertake analytical service as well as consultancy type work by analysing the samples received from the Industry and interpreting the results. A total of more than 600 such services were rendered to more than 40 organizations and an amount of ₹24,28,820 has been generated. The university has also signed MoU with 5 academic and research collaboration and co-operations.

As part of extension and social responsibility activities, our departments and university encourage our students in various cultural, social and extra-curricular activities. Our students regularly take part in university/zonal level Youth Festivals, Research Anveshans. Organization of blood donation camp round the year with the help of Red Cross Society is one of our notable social outreach programmes. Our Community Science Centre involves the students as volunteers in various science and outreach activities such as Science Exhibition, Sky Gazing, Sensitization towards nature and its conservation, Health and Nutrition awareness, Hygiene and sanitation programme, Old-age Homes and Care, prevention of Chronic and seasonal diseases, Clean India Programme, Road Safety, Digital India, and Cyber Safety, etc. Department of Home Science, Department of Social Work is actively engaged in community awareness programmes on low cost nutrition recipe, skill development programme for rural woman to generate their own income. Department of Home Science has designed special practicals for demonstration of home make processes like Tie and Dye, card making, handicrafts items, nail art. A special activity for the cognitive development for persons with disability is also arranged for the inmates of the nearby ANDH APANGJAN School. Our MBA and MSW students participated in systematic voter education programme. Several talks by specialist eminent personalities are arranged under the auspices of several chairs to promote the life enrichment and spiritual development.

Overall, our university in cooperation with several NGOs has made systematic and sincere efforts to make our students sensitized towards contemporary social issues, develop leadership qualities, improve their communication skills and capacity to plan and organize events, etc.

Following are the key initiatives and achievements:

- Creation of Central Instrumentation facility under DST-PURSE programme to house sophisticated equipments
- Promotion of inter-disciplinary academic and research activities through setting up of Centre for Interdisciplinary Studies in Science and Technology (CISST), by organizing special seminars/workshops, lecture series and award of inter-disciplinary research projects
- Starting M.Sc. programme in Earth Science, Biomedical Science, Defence Science with the involvement of expert faculty from PRL, SAC, Ahmedabad, ARD, Pune, AIIMS, New Delhi, etc.
- Winning hand-some grants from national agencies under CAS, DRS, SAP, GSBTM and DST-FIST etc.
- Encouraging and engaging collaborative research projects and industry sponsored research projects
- Initiation of award of SEED GRANTS for cultivating research culture
- Research based MSc Project Dissertations
- Optimum utilization of equipment facility and extending them to industry for analytical and testing purpose
- Deputation of faculty members and research students to national and international seminars and conferences
- Organization of national/state level seminars and conferences
- Creation of vibrant research culture through organizing research scholars seminar/meet and their project presentations
- Inclusion of practicals in Department of Home Science, related to malnutrition, skill development for self income generation of rural community
- Community outreach programmes through Community Science Centre and Community Radio Station
- Encouraging extracurricular and sports activities of the students at university and zonal level
- Undertaking survey-based projects such as Electoral Voter Education programme, arranging talks for life enrichment and spirituality development

4. INFRASTRUCTURE AND LEARNING RESOURCES

The university has spread over 5 parts with the main campus admeasuring 21 acres where administrative block along with majority of departments and other facilities are located. The satellite campus-I admeasuring 28.9 acres houses the university quarters, balwadi, most of the hostels, MBA department and central school. The other parts of the campus with a total of 36 acres of land houses some of the departments and modern sports facility. Some of the outreach supports such as Community Science Centre, Community Radio Station are also located in the main campus. The university has both men and women hostels with a total capacity of more than 2100 seats and almost all of our students (male and female) are accommodated in this facility. A separate hostel for ST students and also one for reserved category students are also constructed and operated. The international students are provided with furnished accommodation in the university colony. Sports facilities with meeting the national and international standards are available to students, faculty members, staff and community. Recreation facilities such as Gymnasium, Yoga Centre, and other fitness related amenities are available in hostels. Our sports facility includes Basket ball, Cricket, Volley ball, Kabbadi, Kho-kho and Handball ground etc. A modern 400 meter athletic track is also built. The sports complex has Wrestling and Judo areas. A swimming of Olympic standard is planned and soon to be constructed. Many of our students have won zonal and national level awards in various sports. The university organizes youth festival annual basis and also hosts zonal-level meets.

All the faculty members and administrative staff are allotted university quarters on demand.

Besides 25 constituent departments, the university has several affiliated colleges numbering 90 with an enrolment of more than 43,000 students. Recently the university area got expanded with the inclusion of colleges from entire two districts namely Anand and Kheda. These 37 new colleges will be enrolling their students from next academic year onwards under our university. The colleges affiliated include Science, Arts, Commerce, Business Studies, Physical Education, Medical College, Physiotherapy College, Homeopathy College, Law College and Nursing, etc. Each of our constituent departments has ICT enabled classrooms, common rooms for boys and girls, seminar/auditorium, well equipped laboratories and departmental libraries. The university main campus houses central library known as Bhaikaka Library and a total number of more than 20,000 books are added during the assessment period. More than 2,40,000 books are stacked in the library. 24,000 thesis are uploaded into Shodhganga project. Access to 15,000 research journals is made available through Shodhsindhu. The library has modern reprographic facility. A notable achievement of the library is to bring out GYANGANGOTRI (a book of knowledge) in 30 volumes. 5 such volumes in Hindi are also published. Besides

university central library the university also hosts an NBHM-DAE REGIONAL LIBRARY IN HIGHER MATHEMATICS in the Department of Mathematics. 46 international journals are subscribed in print version and back volumes of 50 journals are available. More than 5,000 books in Mathematics are stacked.

The Health Centre of university is ably looked after by a full-time medical officer, staff nurse, lab assistants and technicians. Several diagnostics facilities such as ECG, CBC, Lipid profile, Liver function Tests, Kidney Function tests & Malaria and Typhoid are available in-house. There is a provision for in-patient care. The visits of various specialist doctors are arranged on weekly basis. These specialists include Physician, Gynecology, Ophthalmologist, etc. The services to the students and staff are made available free. The services are also extended to retired staff and also students from affiliated colleges.

ICT infrastructure

The university has implemented web-based portal for automation of core university processes. Computer Centre has played a pivotal role for successful implementation of the portal and also continuing support for troubleshooting. Many departments are provided Wi-Fi facilities. The networking infrastructure is strengthened. Total internet users have gone up to 1000 including Wi-Fi users. The Work Flow System was developed and will be functional from the next academic year. This system will help in fast movement of files and help to establish a paperless environment.

The summary of various ICT facilities department wise and also in support services is shown below:

Sr. No.	Department	No of Computers	ICT Enabled Classrooms	No. of LCD Projectors in Dept.	IT Enabled Seminar Halls	Student Computer Ratio
1	Biosciences	59	06	06	01	03
2	Business Studies	66	06	07	01	07
3	Computer Science	209	08	10	02	01
4	Chemistry	40	06	06	02	03
5	Economics	35	01	02	01	05
6	Education	15	01	01	01	02
7	Electronics	51	02	03	01	01
8	Gujarati	19	01	01	01	07
9	Hindi	08	01	01	**Shared Basis**	20
10	History	03	01	01	”	55
11	Home Science	25	03	04	”	05
12	Library & Info. Sc.	38	02	03	”	01
13	Political	03	01	01	”	09

Sr. No.	Department	No of Computers	ICT Enabled Classrooms	No. of LCD Projectors in Dept.	IT Enabled Seminar Halls	Student Computer Ratio
	Science					
14	Psychology	05	01	01	"	98
15	Sanskrit	05	01	01	"	22
16	Sociology	08	01	01	"	20
17	Materials Science	25	02	02	01	01
18	Mathematics	105	08	10	01	03
19	Business Administration (MBA)	113	07	08	02	01
20	Social Work (MSW)	21	01	04	01	25
21	Physics	88	01	06	01	02
22	Pharmaceutical Science	26	03	03	01	01
23	Statistics	152	08	10	02	01
24	University Instrumentation Centre (USIC)	04				
25	Centre for Interdisciplinary Studies in Science & Technology (CISST)	24	02	02	01	10
26	IQAC	02		01	01	
27	University Adm. Building (Main Office)	88				
28	Computer Centre	67	01	02		
29	Bhaikaka Library	31		01		
30	Humanities Building Office	49				
31	University Press	13				
32	University Museum	03		01	01	
33	M B Patel College of Education	33	01	03	01	06
34	University Health Centre	03				
35	Agro Economics	43	01	02	01	

Sardar Patel University, Vallabh Vidyanagar, Gujarat

Sr. No.	Department	No of Computers	ICT Enabled Classrooms	No. of LCD Projectors in Dept.	IT Enabled Seminar Halls	Student Computer Ratio
	Research Centre					
36	CC Patel Comm. Sc. Centre	**02**		**02**	**01**	
37	Community Radio Station	**01**				
	Total	**1482**	**77**	**106**	**25**	**306**

The details of some of the hardware in the computer centre are as follows:

Processor/RAM	Make/ Brand	Total
Core (TM) i7/4gb	HP	**04**
Core (TM) i5/4gb	HP/Dell	**17**
Core (TM) i3/4gb	HP/Dell	**10**
Dual Core /4gb	HP/Dell/Acer	**25**
Core 2 Duo/2gb	HP/Dell/Compaq	**03**
Laptops		
Core 2 Duo/2gb	HP	**03**
Core (TM) i5/4gb	Dell	**01**
Servers		
Power Edge E410	Intel (R) - Xeon(R) CPU E5620	**01**
HP Proliant DL 380	Intel (R) - Xeon(R) CPU 2.8	**01**
IBM System x3650 M4	IBM (system storage)	**01**
IBM DS 3512	IBM (storage device)	**01**

Proprietary softwares

- SPU Management System
- Office 2007
- Adobe Creative Suite 6
- Visual FoxPro 9
- Windows Server 2012
- Windows Server 2003
- MS SQL
- Windows Server 2006 R
- Symentac Backup Recovery

Internet node information

Year	Internet Node Existing	Added	Speed Given to User
2010-2011	300	180	2Mbps
2011-2012	480	173	2Mbps
2012-2013	653	198	1Mbps
2013-2014	851	320	512Kbps
2014-2015	1171	129	256Kbps

Servers

Server Name	Model
Application Server	IBM System x3650M4
Backup Server	IBM System x3650M4
Database Server	IBM System x3650M4
Backup Server for MIS	Dell PowerEdge T410
UMIS Server	Dell Vostro 200
Antivirus Server	Dell Optiplex 3020

University Management Information System is used in undertaking various administrative activities like:

- PG Enrollment and UG Registration
- Fee Management
- PEC, FEC Generation
- PG Admission
- Pre-examination Activities: Time Table Generation, Examination Appointment, Seat Number Generation and Hall Ticket Preparation.
- Post-examination Activities : Marks Entry, Result Processing, Result Declaration, Marksheet Management, Convocation Management (Degree Certificate)
- Different Statistical Analysis Reports

The maintenance of university infrastructural facilities is a continuous process and monitor on regular basis. The necessary measures such as renovation, repair and new constructions are implemented through provisions made in annual budget.

5. STUDENT SUPPORT AND PROGRESSION

The university believes in a strong support and mentoring system to its students who comes mainly from rural areas. There are many-many support systems and activities that begin from admission process onwards. The students are mentored through entire academic session till their possible placement. The functional activities are summarized below:

- Pre-admission counseling
- Orientation programme
- Ragging free campus
- Hostel accommodation
- Teacher(s)-in-charge (take care of the day-to-day issues of the students related to classroom and laboratory facilities of the respective stream)
- Remedial classes
- Coaching programme for SC/ST
- Talent Search and Nourishment
- Industrial visit
- Soft skill development
- Physical education
- Health care
- Women cell
- Placement cell
- Socialization
- Youth welfare and Cultural activities
- Ethical character building
- Life enrichment

The health services are looked after by our health centre headed by medical officer. The hostels are managed by a warden and rector. The hostels are provided with 24 hours security and Wi-Fi facility. Physical Education and Sports sections arrange and facilitate various sports activity including coaching and participation in university/state/zonal competitions. Coaches and managers are appointed as per requirement. The sport facilities are kept opened from morning to late evening hours. The students from different social groups are guided by separately created cells and are made aware of various schemes such as scholarships, free-student ships and also fee waivers scheme etc. Each of the activity is looked after by teacher-in-charge at department level and students have free access to them.

Apart from classroom teaching, the students meet the faculty members during contact hours and also otherwise for getting the doubts clarified. In order to improve the soft-skills, the students are offered special skill-development programmes, are also exposed to the experts during the special lectures, seminar, workshop organized in the departments from time to time. The students are also guided for the MSc Dissertation wherever applicable.

The financial support rendered to various categories of students and the amount of the benefit is shown below:

[A] Scholarships/Fellowships/Free-Studentships etc. (in ₹)						
	2010-11	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**Total**
Dr Taraben N Patel Scholarship				10,800	11,200	22,000
Private Endowment Scholarship	8,340	14,400				22,740
Ratilal Vallavjibhai Doshi Parivar Scholarship				14,400	14,400	28,800
Self-finance free Studentship	7,60,000	10,54,500	9,48,900	9,02,700	9,21,800	45,87,900
University fellowship	6,000	3,600				9,600
University free studentship	48,000	2,400				50,400
Total	**8,22,340**	**10,74,900**	**9,48,900**	**9,27,900**	**9,47,400**	**47,21,440**
[B] Research Scholarships/Fellowships (in ₹)						
	2010-11	2011-12	2012-13	2013-14	2014-15	Total
CSIR (Council of Science and Industrial Research)	4,78,802	9,54,165	13,97,658	11,34,708	6,86,123	46,51,456
Deputation				1,54,724		1,54,724
Dr DS Kothari Postdoctoral fellowship Scholarship	1,68,935	1,59,600	7,67,648	6,90,967		17,87,150
Indira Gandhi Scholarship for Single Girl Child	1,60,000	1,40,000	30,000			3,30,000
Inspire Fellowship				12,32,581	21,00,000	33,32,581
JRF (Junior Research Fellowship)	-2,44,641	22,63,113	20,11,059	17,95,871		58,25,402
NBHM	72,000					72,000
PG Merit for rank holder Scholar	1,70,000					1,70,000
RGNF (Rajiv Gandhi National Fellowship)	1822440	38,75,831	16,55,560	6,97,365		80,51,196
Total	**26,27,536**	**73,92,709**	**58,61,925**	**57,06,216**	**27,86,123**	**2,43,74,509**

[C] Category wise Scholarship (in ₹)						
	2010-11	2011-12	2012-13	2013-14	2014-15	Total
Baxipanch Scholarship	8,73,942	6,22,121	13,14,084	16,18,510	34,29,965	78,58,622
EBC Scholarship	20,400	24,000	21,600			66,000
Gujarat Higher Education Scholarship	1,000	13,000	600			14,600
Handicap Scholarship	3,000	18,000	27,000	30,000	18,000	96,000
Minority Scholarship	46,500					46,500
Miscellaneous Scholarship	1,76,570	5,000	5,000			1,86,570
SC Scholarship	8,14,543	19,05,063	40,06,992	33,09,985	36,50,162	1,36,86,745
ST Scholarship	90,785	27,24,461	43,66,508	44,62,704	59,75,270	1,76,19,728
Total	**20,26,740**	**53,11,645**	**97,41,784**	**94,21,199**	**1,30,73,397**	**3,95,74,765**

Following table gives the percentage of students received financial assistance during the assessment period.

Year	Scholarships/Fellowships/Free-Studentships etc. (in %)	Research Scholarships/ Fellowships (in %)	Category wise Scholarship (in %)
2014-15	**4**	**0**	**52**
2013-14	**3**	**2**	**36**
2012-13	**3**	**1**	**27**
2011-12	**3**	**1**	**27**
2010-11	**3**	**1**	**22**

The International Students Centre (ISC) provides and facilitates the information about the various courses offered, admission procedure, eligibility criteria, fee to be charged etc. to international students and also arrange for their admissions. The ISC coordinates all the activities related to the admission of international students through a Single Window System. It coordinates with Indian Council for Cultural Relations (ICCR), Union Ministry of External Affairs (MEA), Union Ministry of Human Resource Development (MHRD), Union Ministry of Home Affairs (MHA), and with different Embassies and Consulates for various purposes including assisting the international students to obtain Student or Research Visa, Scholarships etc. A total of 84 international students were admitted during the assessment period.

Coaching for NET/SLET and other competitive examinations especially for the benefits of SC/ST, OBC and Minority students along with the General category students is given. Due to university efforts, about 115 students got success in

UGC-NET examinations and about 50 students have cleared GATE, NET-JRF and SLET exam. Our students are counseled to take up higher studies. This resulted in the progression of about 650 students from Postgraduation to MPhil and about 350 students from Post graduation to PhD during the assessment period.

The participation of students in sports and cultural activities is encouraged by adjusting their academic and examination related schedule and also providing sufficient financial support along with other required kits. The Career and Counseling Cell (CCC) overall monitors the placement of students through Departmental Placement Cell. About 450 students were placed in various companies, educational institutes and other enterprises before the announcement of their exam result.

The general grievances of students are adequately addressed both at departmental and university level. Special cells are created to address the issues related to SC/ST, Women students and also general students. Annual health check-up of all students by the university health centre is a regular activity. The health centre is made available outside the office hours to the students.

Following is the gist of various student related support services offered by university:

For whom	Type of support services available
Overseas students	• International Student Center (ISC), Sardar Patel University provides general support. • Logistic support is provided with the consent of the university. • International Student Center has provided accommodation in the University staff colony with separate rooms. Also we provide furniture, electric equipments like refrigerator, water purifier, and hot water geyser.
Physically challenged / differently-abled students	• Ramp facility. • In Gynodaya Examination Building and Department of Computer Science, lift facility is available. • Extra time, efforts and guidance is given to the needy students. • Special arrangement in classrooms as well as in the laboratories. • Information pertaining to their financial and other academic benefits is provided in time.

SC/ST, OBC and economically weaker sections	• SC/ST & OBC fellowship (State Government Sponsored) is given to these students. • UGC NET Coaching Centre at University level. • Stakeholders are informed via circular from the University for Reservation Policy and various scholarships.
Students participating in various competitions/conferences in India and abroad	• Students are motivated by senior faculty for attending various competitions/conferences and necessary guidance about Government monetary system is also given. • By providing the financial support from the department as per university rules.
Health centre, health insurance etc.	• University Health Centre (UHC). • UHC operates medical checkup and provides free medicines. • Students are also provided information about nearby hospitals to take the advantage. • Medical check-up.
Skill development (spoken English, computer literacy, etc.)	• Different educational training programmes or awareness programmes by placing the relevant information's time to time on student notice board as received directly or indirectly from Government/Non-Government Agencies/Institutions etc. • In Humanities and Social Science departments, a course is offered for all students to develop computer skills.
Performance enhancement for slow learners	• Re internal test is available for slow learners. • Remedial Classes are conducted as and when required. • Extra classes and personal guidance is given to slow learners. Students can contact faculty as and when required for guidance. • Assignments, personal guidance is provided by subject teachers.
Exposure of students to other institutions of higher learning/ corporate/business houses, etc.	• Department encourages students for participation in various academic, co-curricular activities. • Students are also permitted for attending conferences, workshop and symposium etc.
Publication of student magazines	• Students are provided an opportunity to publish their articles or other materials to display on the departmental notice board.

6. GOVERNANCE, LEADERSHIP AND MANAGEMENT

The university had good fortune of distinguish personalities as Vice-Chancellors. The founder Vice-Chancellor Dr Bhailalbhai D Patel (popularly known as Bhaikaka and on whose name our university library is known), is in fact the architect of modern Vidyanagar township. Being a professional Engineer, he took up personal and professional interest in designing various buildings and facilities and also mapping up of the campus as a whole. The successive vice-chancellors have followed his vision and added more and more facilities along the sides of university growth. The second Vice-Chancellor, Shree Babubhai Jashbhai Patel went on to become the chief-minister of the state. The other vice-chancellors who succeeded further are Dr Maganbhai D Patel, Shri Ishvarbhai J Patel, Shri Rameshbhai S Mehta, Dr Ramanbhai D Patel, Dr Ranchhodbhai M Patel, Shri Krishnalal N Shah, Dr Kantibhai C Patel, Dr Dilavarsinh D Jadeja, Dr Vithalbhai S Patel, Dr Pravinchandra J Patel, Dr Bharatkumar G Patel and Dr Harish Padh. Many of these personalities are from our campus and especially Department of Chemistry produced three of them.

The Governance of University is highly participative and encourages democratic discussions and debates before any policy is made and executed. The Vice Chancellor is Chief Executive Authority and the Governor of the State is the Chancellor by Act. The policy and decision making process is done by various statutory and non-statutory committees. The statutory committees are Senate, Syndicate, Academic Council, Faculty, Board of Postgraduate Studies and Research, Board of Studies, Finance and Establishment Committee, Building Committee, Library Committee, College Development Council and Board of Sports, etc. The other committees include Exam Reform Unit, Selection Committees for Teaching and Non-teaching staff and Scientific Equipment Purchase Committee at the university level. Several sub committees are formed at university as well as department level from time to time to look after admission, internal examination, purchase, discipline, etc. Each department has a Departmental Research Committee that looks after all the matters related with Research. The power of authority of administration flows from Vice-Chancellor to Registrar and Head of the Department. The academic and exam related matters flow from Vice-Chancellor, Dean and Board of Studies. The term and constitution of each of these authorities is well-defined in our statue.

The university has well-qualified faculty members who keep themselves continuously updated with the knowledge. We provide leadership and quality enrichment measures on academic and examination related matters to our affiliated colleges/institutes.

Even though the power of authority of administration lies at apex level, the input and guidelines come from various subcommittees involving teachers and administrative staff on various issues and this enables the growth and grooming

of leadership at various levels. The teaching and non-teaching staffs are encouraged and exposed to modern technology based tools so that their competency and ability to address the modern challenges in the Higher Education sector is enhanced. Budgetary provisions are made from various sources namely recurring receipt, grant from state government as well as central government agencies on an annual basis under well-defined expenditure heads. We have a well-developed financial management system that takes care of overall financial health of the University. The expenditure is made as per the delegation of the power at different levels and it is monitored by internal auditing system. The university has devised its own resource mobilization in the form of self-financed courses, external examination and generous donations from philanthropists and our alumni.

The university has a well cut-out vision and mission for academic, research and extension activities. The motto of university is *Excellence Matters*. It is striving hard to improve and enhance teaching-learning process, research development, a sound value system among students, promotion of use of technology, strategic planning of financial resources, planning and development of Human resources, Community engagement programmes and internationalization of Education, etc.

7. INNOVATIONS AND BEST PRACTICES

The university has taken lot of initiatives and established a green audit system. Under this, the environmental aspects of the campus namely, tree conservation and plantation and use of technology for sustainable development are covered. Some of the examples are as follows:

Energy conservation: The University is taking several measures for energy conversation. With a view to conserve electricity, conscious efforts of switching off are made, when electricity is not required. Instructions to run air conditioners on energy saving mode is given. Energy-saving fixtures, lamps, lighting control systems are being installed.

Use of renewable energy: Solar energy harvesting systems have been installed at various places in the university campus for generating electricity to save electricity bills. Such installations with single or dual axel tracking systems have been installed in the University office, MBA Department, Physics Department, Agro Economic Research Centre. It has resulted into total power generations of 9 KWh. The solar water heaters are used in three of our hostels to get twenty-four hours of hot water supply with zero carbon emission. These systems are helping in reducing carbon emission, have low maintenance and are labor free. Along with the hybrid solar system, a wind mill system has been installed on the roof of Physics Department. On these installations, an MSc Laboratory, a Class room, department and Head's office are working**.**

Water harvesting: The University has taken initiatives in rain water harvesting which helps in ground water recharge, salinity control and maintenance of soil humidity. Such installations have been made at University colony ground, University Guest House, University Women's Hostel, Vice-Chancellor Bungalow and Community Science Centre. This has helped in minting the ground water table in the campus.

Check dam construction: No scope of check dam construction in this region of the state.

Efforts for Carbon neutrality: Various departments and distant campuses are observing Vehicle Free Day on regular basis, helping the environment to reduce carbon emission. Conscious efforts are made for the restricted use of air conditioners to reduce the greenhouse gases along with CO_2. With a view to eliminate the carbon foot-prints and emissions, laboratories of Department of Chemistry are supplied with natural gas-based connection. Even a natural gas-based, back-up generator supplies electricity, in case of power failure.

Plantation: The University has regular drives for plantation to maintain green coverage of the main campus as well as distant campuses. These movements are supported by different environment conscious organizations and Government Forest Department of GoG. Green campuses have been developed with such efforts at Computer Science Department and Bio Science Department.

Hazardous waste management: No department in general has generation of hazardous waste. Biomedical waste generated by health centre is segregated and then handed over to 'Samvedna" an agency authorized to handle and dispose of such kinds of waste. Departments like Chemistry, Biosciences and Home Science where there is a use of chemicals and biological materials; the disposal of waste is done as per the prescribed rules and norms.

E-waste management: Computers with old version have been given to an NGO for the purpose of education free of cost. The other E- waste is disposed off through tendering to the parties who are handling the disposal of such waste.

IQAC: IQAC has been a facilitator between academics and administration wings. Following initiatives are implemented during the assessment period:

- Implementation and actual execution of Choice Based Credit System (CBCS) at Under-Graduate and Post-Graduate level across the Faculties of the university
- Implementation of UGC Minimum Requirements for PhD (Including PhD Entrance Test and PhD Coursework)
- Arrangement of workshops and seminars on quality improvement parameters
- Facilitation in singing of MoUs and Patent Filing etc.

- Redesign of examination papers and proportion of weightage between internal and external across the Faculties of the university.
- Familiarization and Training to both teaching and non-teaching staff members of the university and affiliated colleges and institutions for examination related issues namely paper setting, assessment and conduction of examinations.
- Implementation of UGC Career Advancement Scheme (CAS) and arrangement of assessment process through Academic Performance Indicators (API)
- Ensuring the speedy disposal of CAS cases
- Acting as nodal agency for AISHE and uploading of necessary information.
- Handholding and assisting new colleges and institutions for getting recognition under 2(f) and 12(b) of UGC
- Coordinating the planning and distribution of funds to various department and sections from planned grants of 11th and 12th plans
- Arrangement of workshops and programmes for under graduate, postgraduate and PhD students to display their creativity through projects under Anveshan programme.
- Arrangement of convention and research scholars meet
- Preparation of brief appraisal of efforts made to initiate and familiarize the preparation of Sardar Patel University for AAA, KCG, Gujarat and Next Cycle of Reaccreditation (NAAC)

Other notable innovations and practices planned and implemented are

Signing of MoUs: MoU with Government of Gujarat and District Collectors for the preparation of Women Development report for the districts of Dang and Panchmahal. MoU with Papua New Guinea University of Technology LAE, PNG to implement academic and research collaborations. MoU with University of Turku Finland, Tooltech, Pune for developing Centre of Excellency in Biotechnology for affordable health. MoU is also signed for Collaborative project on "Pre-clinical Pharmacokinetic Study of Aphrodiciac Phytocontituent" between CISST and Ramanbhai Patel College of Pharmacy.

Implementation of CBCS System: Several seminars and workshops were arranged to frame the guidelines and smooth implementations of CBCS system in undergraduate as well as postgraduate programmes as a whole.

Examination Reforms:

- Indication of the name of the student and name of the department/college in the students Grade Card/Mark-sheet and Degree Certificate of the students
- Observation of Answer-book in all semesters/year undergraduate and postgraduate examinations

- Preparation and implementation of question paper style format for all CBCS Examination
- Examination Autonomy to all concerned department where single/unique postgraduate course is offered
- Decentralised Undergraduate BA/BCOM/BSC/BCA/BBA/BSW-I Semester examination which are offered in various affiliated colleges
- Decentralised all Practical Examination of Undergraduate and Postgraduate Courses conducted at various Departments/Colleges/Institutions.
  - Deposit of examination remuneration in bank account

University Management System: The enrolment process is made online. Part of the examination process is automated.

Medical facility: Extension of the facility to retired university employees.

Inter-disciplinary Academic and Research Programmes: New MSc Courses in Biomedical Science, Defense Science and Earth Science are introduced with the active collaboration from national laboratories such as PRL, SAC, Ahemadebad. Granting of inter-disciplinary projects, arranging national level seminars and workshop in inter-disciplinary topics and also lecture series are other features to promote this activity. Creation of Central facility of equipments under DST-PURSE programme and establishment of CISST with involvement of faculties from Department of Physics, Chemistry, Biosciences, Mathematics and Statistics, Computer Science and Electronics, as a common platform for discussion and deliberations are contributing to this effort. Similar centre in the areas of Humanities and Social Sciences is already planned.

SEED Money for Research: To create and promote research among the teachers of the departments and affiliated colleges who have not been approached for funding for research, SEED money is granted in the form of minor research projects.

Personal Proficiency Development Fund (PPDF): The University has created Personal Proficiency Development Fund out of Overhead Budget of the various research schemes granted by the different funding agencies with a view to meet research and educational activities; to purchase international books, journals and e-journals; to subscribe research journals; to participate in seminar, symposia, conference (to meet TA/DA and Registration fees); to purchase learning materials, scientific equipments, Laptops; and to depute the teachers to attend seminar, conference etc. with a permission of the teacher who has credit amount in his PPDF.

Group Insurance Scheme: This scheme is available to all teaching and non-teaching staff. Every employee contributes per month to this scheme. In case of a premature death of an employee, the amount is paid to kith and kin of the deceased. If the employee retires after attaining superannuation or voluntary retirement, an employee is paid the amount of his/her contribution after certain deductions.

Teacher welfare fund: Sardar Patel University Teachers WElfare Fund (SPUTWEF) has been created to provide financial assistance to member – teachers who have been compelled to abstain from work owing to prolonged illness, serious physical or mental disability, provided he/she is on leave. Moreover, other welfare activities are undertaken for the members and their families**.** In the event of death of a member, his/her nominee is given financial assistance in case of full-time salaried teachers as well as part-time salaried teachers.

KALYANNIDHI: Sardar Patel University Non-teaching Staff Welfare Fund (KALYANNIDHI) has been created to provide financial assistance to its member, who have been compelled to abstain from work on leave without pay owing to prolonged illness, serious physical or mental disability; to provide financial assistance to the legal heir of the member in case of death of the member and to provide financial assistance to the member who retires from the university service.

Preparation of Audio Book for Blind People's Association: "Tattvamasi" by Shri Dhruvbhai Bhatt, a well known Gujarati Novel cum Life enriching and guiding story depicting the life on the banks of river Narmada, and a recipient of 'Rashtriya Sahitya Academy Award' was selected and audio book was prepared utilizing honorary services from an expert announcer and reader and was recorded, edited and prepared at the University's Community Radio Station.

Sardar Patel University Community Outreach and Extension Programme - A Pilot Project: Continuing the mission of the University of "Resurgence of Rural India"` by taking education and applications of study and research in various disciplines of knowledge to the doorsteps of rural areas, and prepare the citizens and leaders of new free nation as envisioned by Sardar Vallabhbhai Patel, the University undertook a pilot project of SARDAR PATEL UNIVERSITY COMMUNITY OUTREACH AND EXTENSION PROGRAMME.

The SWOC Analysis of the University

STRENGTHS

- Conducive surroundings for teaching, learning and research.
- Well-qualified and experienced faculty.
- Well furnished and equipped laboratories and library.
- Student-friendly administration.
- Strike and stress free campus.
- Urban amenities in a rural background.

WEAKNESSES

- More vacancies of faculty positions.
- Delay in administrative decisions in operative research projects (in some cases).
- Less number of students from outside the state.
- Less number of successful candidates at UGC-NET and other national competitive examinations.

OPPORTUNITIES

- Potential for involvement of industries in academic and research programme.
- More MOUs with other universities in the country and abroad.
- Can evolve into a nodal centre of learning in the state.
- Wide scope for amalgamation of traditional subjects into inter-disciplinary areas of teaching and research.
- Can attract more international students.

CHALLENGES

- Enhancing the share of extra moral funding for research from state as well as central government agencies and industries.
- Coaching and motivating students to succeed in national level competitive examination including UGC-NET.
- Eliminating the mind block among faculty and other stake holders especially students to pursue teaching and research programme in emerging and evolving areas of discipline.
- Motivating faculty for revision of syllabus in tune with employability, skill-upgradation and value-addition.
- Alumni network at university level.

PROFILE OF THE UNIVERSITY

2. Profile of the University

1 Name and Address of the University:

Name : **SARDAR PATEL UNIVERSITY**
Address : **P. B. No. 10**
University Road
City : **Vallabh Vidyanagar**
Pin : **388120**   State : **GUJARAT**
Website : **www.spuvvn.edu**

2 For communication:

Designation	Name	Telephone & Fax with STD Code	Mobile	Email
Vice Chancellor	Prof Dr Harish Padh	O : 02692-226800 Fax: 02692-230009 R : 02692-236573	9924452200	vcspu@yahoo.co.in
Registrar	Dr R H Rajput	O : 02692-226801 Fax: 02692-236475	9426867780	registrar_spu@spuvvn.edu
IQAC Coordinator	Prof Dr N V Sastry	O : 02692-226891 Fax: 02692-236475 R : 02692-236689	9824956978	nvsastry@spuvvn.edu

3 Status of the University:

State University	√
State Private University	
Central University	
University under Section 3 of UGC (Deemed University)	
Institute of National Importance	
Any other (please specify) **regulatory agency approved institution**	

4 Type of University:

Unitary	
Affiliating	√

5 Source of funding:

Central Government	√
State Government	√
Self-financing	√
Any other (please specify)	

6 a. Date of establishment of the university: **31/10/1955**

b. Prior to the establishment of the university, was it a/an
   i.   PG Centre   Yes ☐   No √
   ii.   Affiliated College   Yes ☐   No √

iii. Constituent College	Yes	No	√
iv. Autonomous College	Yes	No	√
v. Any other (please specify)	_____		

If yes, give the date of establishment _____ (dd/mm/yyyy)

7   Date of recognition as a university by UGC or any other national agency:

Under Section	dd	mm	yyyy	Remarks
i. 2f of UGC[*]	09	10	1968	-
ii. 12B of UGC[*]	09	10	1968	-

   * Enclose certificate of recognition.

8   Has the university been recognized:

a. By UGC as a University with Potential for Excellence?

Yes [ ]   No [√]

   If yes, date of recognition : _____ (dd/mm/yyyy)

b. For its performance by any other governmental agency?

Yes [ ]   No [√]

   If yes, Name of the agency _____ and
   date of recognition : _____ (dd/mm/yyyy)

9   Does the university have off-campus centres?

Yes [ ]   No [√]

   If yes, date of establishment : _____ (dd/mm/yyyy)
        date of recognition : _____ (dd/mm/yyyy)

10 Does the university have off-shore campuses?

Yes [ ]   No [√]

   If yes, date of establishment : _____ (dd/mm/yyyy)
        date of recognition : _____ (dd/mm/yyyy)

11 Location of the campus and area:

	Location[*]	Campus area in acres	Built up area in sq. mt.
i. Main campus area	Semi-Urban	21.060	85,253.10
ii. Satellite campus-I	Semi-Urban	28.930	1,17,074.34
iii. Satellite campus-II	Semi-Urban	03.148	12,739.50
iv. Satellite campus-III	Semi-Urban	30.000	1,21,406.00
v. Satellite campus-IV	Semi-Urban	02.849	11,529.50
Total :		85.987 ≈ 86.000	348002.44

(* Urban, Semi-Urban, Rural, Tribal, Hilly Area, Any other (please specify)
If the university has more than one campus, it may submit a consolidated self-study
report reflecting the activities of all the campuses.

12   Provide information on the following: In case of multi-campus University, please provide campus-wise information.

- **Multi-purpose court with a provision for games of:**
  INDOOR
  - **Basket ball**
  - **Hand ball**
  - **Volley ball**
  - **Kho-Kho**
  - **Prokabbadi**
  - **Tennis**

  OUTDOOR
  - **Athletic track (400 meters for all events including Cricket and Football)**
  - **Tennis court (cement court)   : 01**
  - **Kabbadi grounds   : 02**
  - **Kho-kho grounds   : 02**
  - **Hand-ball ground   : 01**
  - **Volley-ball grounds   : 02**
  - **Basket ball grounds (cement) : 02**

- **Table Tennis hall with three pairs of tables**
- **Badminton courts : 02**
- **Hostel**
  - **Boy's hostel**
    - **i.   Number of hostels : 06**
    - **ii.   Number of inmates : 346**
    - **iii. Facilities : Mess, Internet, common recreation room**
  - **Girl's hostel**
    - **i.   Number of hostels : 03**
    - **ii.   Number of inmates : 456**
    - **iii. Facilities : Mess, Internet, common recreation room**
  - **Working women's hostel : : Nil**
    - **i.   Number of hostels**
    - **ii.   Number of inmates**
    - **iii. Facilities**

- **Residential facilities for faculty and non-teaching : 370 quarters**
- **Cafeteria : 01**
- **Health centre : 01**
  The following facilities are available in the Sardar Patel University Health Centre:
  - **Nebulizer**
  - **Philips ECG Machine**
  - **Mispa Nano Auto analyzer(Automated Biochemistry Analyzer)**
  - **Accuchek Active Meter(Glucometer)**

- Erba Chem (Biochemistry Semi Auto analyzer)
- Hematology Analyzer

A full-time medical officer along with full-time nursing and analytical personal attend the patients. Besides, specialist doctor makes weekly visit.

- **Facilities like bank with ATM, post office, etc. are available.**
- **Local transport facility between the main and satellite campuses.**
- **Ramp and wheel chairs facilities for PwD.**
- **Animal house**
- **Power house and backup generators.**
- **Waste disposal system.**

13 Number of institutions affiliated to the university:

Type of colleges	Total	Permanent	Temporary
Arts, Science and Commerce	**79**	**46**	**33**
Law	**04**	**02**	**02**
Medicine	**07**	**05**	**02**
Engineering	**-**	**-**	**-**
Education	**23**	**13**	**10**
Management	**05**	**01**	**04**
Others (specify and provide details)	**08**	**06**	**02**

14 Does the University Act provide for conferment of autonomy (as recognized by the UGC) to its affiliated institutions? If yes, give the number of autonomous colleges under the jurisdiction of the University.

Yes [ ]   No [√]   Number [ ]

15 Furnish the following information:

Particulars	Number	Number of Students
a. University Departments		
Undergraduate	**01**	**200**
Post graduate	**26**	**2,324**
Research centers on the campus	**-**	**-**
b. Constituent colleges	**01**	**200**
c. Affiliated colleges	**126**	**33,545***[*]
d. Colleges under 2(f)	**05**	
e. Colleges under 2(f) and 12B	**59**	
f. NAAC accredited colleges	**50**	
g. Colleges with Potential for Excellence (UGC)	**03**	

h. Autonomous colleges	-	
i. Colleges with Postgraduate Departments	23	3,253[*]
j. Colleges with Research Departments	23	
k. University recognized Research Institute/Centers	02	20
- excluding new addition in Academic Year 2015-16		

16 Does the university conform to the specification of Degrees as enlisted by the UGC?

Yes | √ | No | |

If the university uses any other nomenclatures, please specify.

17 Academic programmes offered by the university departments at present, under the following categories:

Programmes	Number
UG	01
PG	33
Integrated Masters	02
MPhil	16
PhD	30
Integrated PhD	-
Certificate	07
Diploma	05
PG Diploma	11
Any other (please specify)	-
Total	105

18 Number of working days during the last academic year: | **282** |

19 Number of teaching days during the past four academic years:

| **210** | | **210** | | **210** | | **210** |

20 Does the university have a department of teacher Education?

Yes | √ **(MEd)** | No | | If yes,

a. Year of establishment : **1964**
b. NCTE recognition details (if applicable)
   Notification No. : **WRC/5-6/22/2000/8413**
   Date : **11/10/2000**
c. Is the department opting for assessment and accreditation separately?

Yes | √ | No | |

21 Does the university have a teaching department of Physical Education?

Yes [   ]   No [√]   If yes,

   a. Year of establishment _____ (dd/mm/yyyy)
   b. NCTE recognition details (if applicable)
      Notification No. : _____
      Date : _____ (dd/mm/yyyy)
   c. Is the department opting for assessment and accreditation separately?

   Yes [   ]   No [   ]

22 In the case of Private and Deemed Universities, please indicate whether professional programmes are being offered?

Yes [   ]   No [√]

If yes, please enclose approval/recognition details issued by the statutory body governing the programme.

23 Has the university been reviewed by any regulatory authority? If so, furnish a copy of the report and action taken there upon. **Not Applicable**

24 Number of positions in the university:

Teaching : 230*   **Non-teaching : 435**

Positions	Teaching faculty			Non-teaching staff	Technical staff
	Professor	**Associate Professor**	**Assistant Professor**		
Sanctioned by the UGC/University/ State Government					
Recruited	**06**	**41**	**98**	**375**	**80**
Yet to recruit	**31**	**31**	**21**	**60**	**-**
* - Includes 1- Principal and 1-Instructor					

25 Qualification of the teaching staff:

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	**Female**	**Male**	**Female**	**Male**	**Female**	
Permanent teachers							
PhD	06	01	36	05	67	23	138
PG	-	-	-	-	01	07	08
Temporary teachers/Ad Hoc/Contractual							
PhD	-	-	-	-	02	05	07
PG	-	-	-	-	03	10	13

26 Emeritus, Adjunct and Visiting Professors:

   Emeritus: 03

27 Chairs instituted by the university: **07**

- **Bhaikaka Adhyan Ekam**
- **Shri Arbindo Integral Studies**
- **Dr. Babasaheb Ambedkar**
- **Shri Mota Extension of Education**
- **Centre for Gandhian Study**
- **Corporation Bank Chair in Management**
- **Sardar Patel Chair**

28 Students enrolled in the university departments during the current academic year, with the following details (academic year 2015-16):

   PhD   : 208
   MPhil   : 139
   PG   : 1,897
   Diploma   : 131
   Certificate : 30

   Total   : 2,405
   ----

29 Unit cost of education (Unit cost=total annual recurring expenditure (actual) divided by total number of students enrolled)

   Unit cost of education = (48,93,80,000 /2405) = ₹ 2,03,484.07

30 Academic Staff College

   Yes

31 Does the university offer Distance Education Programmes (DEP)?

   No

32 Does the university have a provision for external registration of students?

   Yes

33 Is the university applying for Accreditation or Re-Assessment? If Accreditation, name of cycle.

   Re-accreditation, 3rd Cycle

34 Date of accreditation* (applicable for Cycle 2, Cycle 3, Cycle 4 and re-assessment only)
   Cycle 1: 19/01/2001, Result : 4 Star
   Cycle 2: 16/09/2011, Result : B Grade (2.83)

35 Does the university provide the list of accredited institute under its jurisdiction on its website? Provide details of the number of accredited affiliated/ constituent/ autonomous colleges under the university.

Yes, the university provides the list of accredited institute under its jurisdiction on its website. (http://www.spuvvn.edu/iqac/college.php/)

36 Date of establishment of Internal Quality Assurance Cell (IQAC) and dates of submission of Annual Quality Assurance Report (AQAR).

Date of establishment of Internal Quality Assurance Cell (IQAC) : 21/05/2004

37 Any other relevant data, the university would like to include (not exceeding one page). **Nil**

CRITERIA WISE ANALYTICAL REPORT

Preamble

Establishment

Sardar Patel University was established by an Act of the Legislative Assembly of the then Bombay Province in December 1955 and was recognized under 2f of the UGC Act in October 1968. The University has completed 60 golden years of fruitful existence that has brought it to the forefront on terms of its academic excellence. No wonder, then, efforts have been made either to emulate its example or to replicate it elsewhere in Gujarat!

Location

Sardar Patel University is situated in Vallabh Vidyanagar. The educational township of Vallabh Vidynagar is close to the Milk City of India (Anand) in terms of its strategic geographical location. Anand is on Vadodara-Ahmedabad line of the Western Railway in the heart of Anand District of Gujarat. It is well connected with the rest of the country by railway network and roads. It is flanked by two major cities of Gujarat: Sardar Patel International Airport, Ahmedabad and Vadodara Airport, Vadodara. Besides their Airports, Ahmedabad and Vadodara also have railway junctions and bus terminuses, and this makes it easy for a visitor to reach Anand and from there on to Vallabh Vidyanagar. This distance between Anand and Ahmedabad is 75 kms by road and 65 kms by railroad, and the journey takes about one and half hour. Similarly, the distance between Anand and Vadodara is 45 kms by road and 35 kms by railroad and the journey takes about 45 minutes. The Express Highway between Ahmedabad and Vadodara has reduced the time taken in traveling and added comfort to the journey. Vallabh Vidyanagar is about 5 kms from Anand and 2 kms from Karamsad, the native place of Sardar Patel. The University Campus - the main campus as well as 3 satellite campuses – is situated in the heart of a rural countryside against a lush green pollution-free backdrop, offering all the amenities of modern life. Sardar Patel University comprises of 27 Postgraduate departments, one constituent college, and 90 affiliated colleges. The teaching programmes are grouped as Doctoral, Postgraduate, Graduate, Diploma, Postgraduate Diploma and Certificate programmes under the Eleven Faculties viz. Arts, Science, Engineering & Technology, Business Studies (Commerce), Law, Education, Home Science, Medicine, Pharmaceutical Science, Management and Homoeopathy. The University offers 102 Postgraduate courses through its departments, constituent and affiliated institutions. The Graduate programmes are offered by the affiliated colleges. All the regular programmes run by the University as well as by the Colleges and Institutions affiliated to it are under semester system incorporating the Choice Based Credit System. The courses offered are framed keeping in view the needs of the students, the society and the employing agencies - industry or organizations - at the state, national and international levels.

शीलवृतफ़लम् श्रुतम्

The tree in the centre of the emblem is the historic mango tree where the founders of this seat of learning, Shri Bhailalbhai Patel (Bhaikaka) and Shri Bhikhabhai Patel, initiated their visionary project of this educational township. The rising sun behind the tree represents the dispersion of light of learning by this institution dedicated to the Gandhian principles of rural upliftment. The Sanskrit motto decorating the lower crest of this emblem reads: शीलवृतफ़लम् श्रुतम्, that is, 'character and conduct are the fruits of learning'.

शीलवृतफ़लम् श्रुतम्, the motto of Sardar Patel University, is wisely chosen from our national epic, the *Mahabharata*, comprising nearly one lakh stanzas. In the Sabha Parvan of the *Mahabharata*, Narada, the sage celestial, visits Yudhishthira's empyreal court in Indraprastha. After a formal conversation between the two, the stage desires to know if his Vedic studies, wealth, wife, and learning are fruitful. Not knowing how these become fruitful, the king wants to know when they become so. The sage tells him that daily offerings, such as *agnihotra* (offering of milk at sunrise and sunset), makes one's Vedic studies fruitful; wealth is fruitful when one utilises it and donates it; wife is fruitful in terms of sexual satisfaction and siring a son; and learning is fruitful if it results in good conduct and character (अग्निहोत्रफला वेदा दतभुक्तफलं धनम् | रतिपुत्रफला दारा: शीलवृतफ़लम् श्रुतम् || 5.101). That is to say, if education and learning do not contribute to our character and conduct, that education and learning are futile.
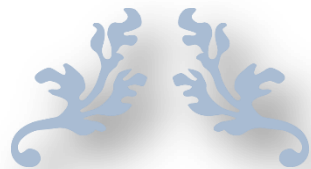
CRITERION I

[CURRICULAR ASPECTS]

CRITERION-I
[CURRICULAR ASPECTS]

1.1 CURRICULUM DESIGN AND DEVELOPMENT

1.1.1 How is the institutional vision and mission reflected in the academic programmes of the university?

The Sardar Patel University believes in the diversity in uniformity and excellence matters. We nurture the talent and polish the raw diamonds coming from the remote areas of Gujarat and other states in general. To bring out the dormant talent, we keep no stone unturned while working with the youth in and outside the classes. We offer specially designed unique courses to the talented students. The university organizes research students meet regularly wherein the identified talents from among the PG students are given the first hand exposure. We have a unique lecture series in basic sciences called IA Patel Sherthawala Lecture Series under which reputed experts from all over India are invited to deliver talks, which are well received by the students. It has been a long tradition of the university to adopt the curriculum guided by UGC. The syllabi in professional courses like Computers and Information Technology are updated every couple of years to match the state of art technology.

The Centre for Interdisciplinary Studies in Science and Technology (CISST), established under PURSE programme of the university has taken initiatives to arrange interdisciplinary lectures introducing particular aspect of science leading to the fore of the same. Creation of the knowledge is also interwoven in various projects offered to the PG students either formally as a part of their curriculum or informally. All the departments have been offering the free Internet access to their students. The university has also created a central facility of cyber room at the Central Library. The subscription to INFLIBNET brings the literature at the tip of their fingers. Special training programmes for students preparing for NET-JRF like tests are organized regularly. To backup the same, online problem solving groups confined to the respective subject have been created for more than a decade. This has increased the passing percentage of UGC-CSIR-NET, GATE, NBHM etc. of the students of our university. This, in turn, has a lion share of our alumni serving in various government and GIA colleges where the selection is based on NET.

The latest journals are housed in the department and the students are encouraged to refer to the same.

The motto of the university is to make the wisdom prevail among the students. An informal interaction with the students inculcating the wisdom, building their moral character is unique to this university.

1.1.2 Does the university follow a systematic process in the design and development of the curriculum? If yes, give details of the process (need assessment, feedback, etc.).

The Sardar Patel University has a well-mannered system of curriculum design and development. Each subject has a Board of Studies consisting of experts from the university department, affiliated colleges and experts from other universities and representatives from industry.

Normally the Boards of Studies transact the business twice a year to oversee the programmes under its purview, its syllabi, its implementation, examination, quality of question papers and panel of experts for examinations. It assesses the needs and the relevance and future prospects of the syllabi based on the feedback received by its members. The designed/changed/modified syllabi are then put up for discussion in respective faculties and on the approval of the same, they are implemented. Boards of Studies take into consideration national development, needs of the society, local needs, emerging needs, expectations based on analysis of the feedback from the stakeholders, innovativeness, programme level standards, scope for further research, global demand, contemporary needs of the industry, women empowerments and inclusiveness etc.

1.1.3 How are the following aspects ensured through curriculum design and development?

- **Employability**
- **Innovation and**
- **Research**

All of our programmes are taking care of employability, innovation and research component by including various courses in their curricula. It is not uncommon for us to have a significant share among the batches of new recruits by UPSC and GPSC like bodies. The expertise of our university has been even exploited by other universities for training their students in NET and SLET like examinations. Online discussion groups for students preparing for such examinations are created and monitored. Special programmes training the students for their interviews, NET/SLET examinations are organized enhancing their employability.

In many departments project work is a part of the curriculum either as an elective in the third and fourth semesters or replacing one semester.

The students' bodies at the department level for participatory management related to the students' activities are created which are usually named as the associations or the societies. These associations organize competitions related to the subjects bringing out the innovations of the students. The university religiously follows the Anveshan Programme of AIU providing the platform to the students and inculcating the culture of interdisciplinary idea sharing among the students. This also takes care of the research component of the curricula. There are specially designed courses, listed elsewhere, taking care of the research component encouraging the students to pursue research at their level. University also organized two research students meet during the period of assessment providing a platform to research students to share their research work and giving access of their work to the PG students.

Ours is one of the few universities in India to establish the Community Science Centre. This is a common platform where the students show up their innovation.

(Please see Annexure-1: Details of Successful Candidates in Various Competitive Examinations.)

www.spuvvn.edu/iqac/rar16/annexures/ann-1.pdf

1.1.4 **To what extent does the university use the guidelines of the regulatory bodies for developing and/or restructuring the curricula? Has the university been instrumental in leading any curricular reform which has created a national impact?**

The Sardar Patel University, while developing and/or reconstructing curriculum for different courses takes into account the guidelines of the regulatory bodies as the fundamental base. The guidelines modified, periodically by the bodies like UGC, AICTE, NCTE, Pharmaceutical Council of India etc. are considered in curriculum update. The contributions of the Sardar Patel University in promoting innovative programmes are well recognized throughout the country, and many new courses initiated by the University have created national impact significantly. The following are the courses for which our University stands either as the first in the country or has a unique identity.

(a) Programmes in which SPU has pioneered

MSc in Biomedical Science
MSc in Defense Science
MSc in Earth Science
MSc in Quality and Productivity Management (Formerly known as MQPM)

(b) Specially designed courses/papers:

Android Technology and Advanced JAVA programming in MCA

Problems & Exercises in Mathematics at UG, PG and MPhil level.

Mathematics Education at MSc level

Financial Mathematics at MSc level

(c) Innovative Programme:

Our university is the first to initiate innovative programmes in Nutrigenomics, Food Design and Quality Assurance and has won State as well as National level recognition through special funding. We are the also one of the first to develop and start new undergraduate and postgraduate programmes in education for mentally retarded. Based on successful completion of MSc Industrial Biotechnology (Phase-I). The review committee recommended its continuation and funding for the period 2012-2017. This is also one of the innovative programmes at the National Level.

(d) Some significant courses/papers contributing to the social needs:

Environmental Problems in India (MA Political Science)

Feminism and Women's Participation in Indian Politics

Art of Film Appreciation (MA Gujarati)

Personalized Nutrition (Home Science)

Electoral Politics (Political Science)

Life Enrichment (Gujarati)

1.1.5 Does the university interact with industry, research bodies and the civil society in the curriculum revision process? If so, how has the university benefitted through interactions with the stakeholders?

As mentioned earlier, the University takes into account, feedback from industry, research organizations and members of civil society in revising the existing curriculum. Any revision process in the curriculum is approved by the Board of Studies after due deliberations. The expertise, guidance and feedback of the representatives from the industry help such revision. Further, while organizing seminars/workshops/conferences/ symposia/endowment lectures in the University, the faculty members find an opportunity to interact with the experts from the industry, academia and alumni participating and thereby enable themselves to contribute modifications/revision in the existing syllabi. This process keeps curriculum in consonance with the contemporary trends. Moreover, the University uploads the syllabi of all the courses offered on the official website of the university.

It is worth mentioning as an example that a couple of Boards of Studies like MCA, Statistics, Defense Science are very keen on including experts from industries. This has resulted in introduction of courses like:

- Android Technology and Advanced JAVA programming in MCA
- SPSS as a certificate programme (Statistics)
- Fundamentals of HRM, TQHRM and Supply Chain Management (Statistics)
- Lean Six Sigma Methodology (Statistics)
- Quality Management Systems (Statistics)
- Generalized Linear Models. (Statistics)

While the prospective employers from industries like ELECON, TCS, Sun Pharma, Manoria Associates, Arya Consultant, Dexter Consultancy, Amul Dairy, Rhino Machines Pvt. Ltd, Global Consultant, Sidhdhi Eng. Pvt. Ltd. visited to certain department for campus placement, their feedback are obtained by the respective heads of the departments resulting in the modification of syllabi.

1.1.6 Give details of how the university facilitates the introduction of new programmes of studies in its affiliated colleges.

The following briefly summarizes the process of approval of new programmes of studies in colleges affiliated to the university or the new institution.

First of all the application is assessed for its technical completeness and correctness. Then the scrutiny committee duly constituted by the university scrutinizes the details in order to assess the ability of the trust to carry out the pursuit successfully. In this stage, the existence of administrative and physical infrastructure for already existing institution is also considered as a parameter of scrutiny.

The program is started at the institute on temporary affiliation. After due time given to the institute, the On the Spot Committee visits and verifies the infrastructure and compliance of LIC recommendations. On the satisfactory report of the On the Spot Committee every year for double the length of the programme, the institute is given the affiliation for that course.

1.1.7 Does the university encourage its colleges to provide additional skill-oriented programmes relevant to regional needs? Cite instances

Under the CBCS many of the undergraduate institutes are encouraged to start two credits soft skill based (*KAUSHAL*)oriented courses as a part of regular curriculum. These courses include communication skills in English language & communication etc. Colleges are also encouraged

and permitted to start vocational under graduate, post graduate degree programs to cater the special needs of the region in the areas of hospitality and tourism, detail management, banking &financial service supply chain and logistic, export& import management, insurance &financial marketing, software development and nursing etc. from time to time as per the State Government of India suggestions.

1.2 ACADEMIC FLEXIBILITY

1.2.1 Furnish the inventory for the following.

Programmes taught on campus

Sardar Patel University offers many programmes in the faculties of Arts, Science, Engineering and Technology, Home Science, Business Studies (Commerce), Management Studies, Education and Pharmaceutical Sciences leading to various degrees, diplomas and certificates.

- **Bachelor in Library and Information Science - 2 Semesters**
- **Bachelor in Education - 2 Semesters**
- **Bachelor in Education Special MR (Psychology) - 2 Semesters**
- **Master of Arts (10 Subjects) - 4 Semesters**
  Gujarati, Hindi, English, Sanskrit, Economics, History, Political Science, Sociology, Psychology, Communication and Media Studies
- **Master of Science (24 Subjects) - 4 Semesters**
  Mathematics, Statistics, Microbiology, Biochemistry, Botany Zoology, Biotechnology, Industrial Biotechnology, Bioinformatics, Materials Science, Nanoscience and Nanotechnology, Electronics, Chemistry (with specialization in Organic Chemistry, Industrial Polymer Chemistry, Analytical Chemistry, Physical Chemistry, Inorganic Chemistry), Information Technology, Instrumentation, Physics, Quality and Productivity Management (Formerly known as Masters in Quality and Productivity Management (MQPM))
  Home Science: Foods and Nutrition (with specialization in Nutrigenomics, Food Design and Quality Assurance), General, Human Development, Food Biotechnology (with specialization Nutrigenomics, Food Design and Quality Assurance), Textiles and Clothing, Family Resource Management
- **Master of Computer Applications - 6 Semesters**
- **Masters in Pharmacy (2 Subjects) - 4 Semesters**
  Quality Assurance, Pharmaceutics
- **Master of Library and Information Science (Full Time - 2 Semesters / Part Time - 4 Semesters)**
- **Master of Human Resource Management (MHRM) - 4 Semesters**

- **Master of Social Work (MSW) - 4 Semesters**
- **Master of Commerce - 4 Semesters**
- **Master of Education - 4 Semesters**
- **Master of Business Administration - 4 Semesters**
- **Master of Philosophy (16 Subjects) - 4 Semesters**
  Gujarati, Hindi, Sanskrit, English, Sociology, Economics, Psychology, Library and Information Science, History, Social Work, Political Science, Education, Physics, Mathematics, Statistics, Business Studies
- **Doctor of Philosophy (Arts) (11 Subjects) - Minimum 6 Semesters**
  Gujarati, Hindi, Sanskrit, English, Sociology, Economics, Psychology, Library and Information Science, History, Social Work, Political Science
- **Doctor of Philosophy (Science) (12 Subjects) - Minimum 6 Semesters**
  Microbiology, Biochemistry, Biotechnology, Botany, Zoology, Chemistry, Computer Science, Electronics, Materials Science and Technology, Mathematics, Physics, Statistics
- **Doctor of Philosophy (Home Science) (3 Subjects) - Minimum 6 Semesters**
  Food and Nutrition, Biotechnology, Textiles and Clothing
- **Doctor of Philosophy (Education) (2 Subjects) - Minimum 6 Semesters**
  Education, Physical Education
- **Doctor of Philosophy Business Studies - Minimum 6 Semesters**
- **Doctor of Philosophy (Pharmacy) (1 Subject) - Minimum 6 Semesters**
  Pharmaceutics
- **Diploma/Postgraduate Diploma Courses (14)**
  Post BSc Diploma in Instrumentation
  Postgraduate Diploma in Analytical Chemistry
  Postgraduate Diploma in Business Management (PGDBM)
  Postgraduate Diploma in Computer Science and Application
  Postgraduate Diploma in Defense Materials
  Postgraduate Diploma in Drama and Dramatics
  Postgraduate Diploma in Food Deign and Quality Assurance
  Postgraduate Diploma in Functional Hindi
  Postgraduate Diploma in Human Resource Development (PGDHRD)
  Postgraduate Diploma in Library Networking and Digital Technology
  Postgraduate Diploma in Nutrigenomics
  Postgraduate Diploma in Polymer Science
  Postgraduate Diploma in Retail Management

Postgraduate Diploma in Translation Studies

- **Certificate Course (9 Subjects)**
  Advanced Certificate Course in Communication Skills in English
  Certificate in Biostatistics
  Certificate in Data Entry Course
  Certificate in English Language Teaching
  Certificate in Financial Statistics
  Certificate in Guidance and Counselling
  Certificate in School Administration
  Certificate in SPSS
  Junior and Senior Certificate Courses in English

- **External Courses (14 Subjects) (Yearly System)**
  PG: MA Gujarati, MA Hindi, MA English, MA Sanskrit, MA Economics, MA Sociology, MA History, MCom.
  UG: BA Gujarati, BA Hindi, BA English, BA Sanskrit, BA Economics, BCom.

1.2.2 **Give details on the following provisions with reference to academic flexibility**

Core/Elective options

The postgraduate programmes being run consist of four/six semesters. In each semester six courses with total 25 credits are offered. In each semester three to four theory courses are offered. About 75% of courses are core courses and the rest are elective to be chosen from the courses offered by the respective departments. Some departments offer common courses in collaboration with other sister departments. Some programs have dissertation component in place of practical at fourth semester levels. In some cases the entire forth semester is dedicated to project work.

There is also a provision for accumulation of credits obtained at universities other than ours and IQAC facilitates the transfer of these credits to the students migrating into our programmes.

(Please see Annexure-2: Details of Core/Elective Courses)
www.spuvvn.edu/iqac/rar16/annexures/ann-2.pdf

1.2.3 Does the university have an explicit policy and strategy for attracting international students?

Sardar Patel University has been initiating many steps to encourage international students to seek admissions into various programmes. The office of the Director, International Students Affairs, is established with a view to facilitate support services to the international students.

The following are the strategies adopted to attract international students:

The international students are accommodated in the university colony in the specially earmarked blocked with necessary amenities like furniture, refrigerator and RO system. More than 80 students were admitted in various programmes during the assessment period.

(Please see Annexure–3: List of Foreign Students.)

www.spuvvn.edu/iqac/rar16/annexures/ann-3.pdf

1.2.4 Have any courses been developed targeting international students? If so, how successful have they been? If no, explain the impediments

The international students are admitted into our existing programmes and counselling session is arranged for them to choose the course of relevance to their country.

1.2.5 Does the university facilitate dual degree and twining programmes? If yes, give details.

The University does not offer Dual Degree and Twinning Programmes.

1.2.6 Does the university offer self-financing programmes? If yes, list them and indicate if policies regarding admission, fee structure, teacher qualification and salary are at par with the aided programes?

Yes, the university has been admitting students on self-financing basis in many of its programmes. The self-financing mode is of two types: provision for additional seats on self-finance bases along with GIA seats or a separate division consisting of self-finance seats only. The details of such number of seats programmes, divisions and fee structure for semester:

(Please see Annexure-4: List of Self-financed Programmes.)

www.spuvvn.edu/iqac/rar16/annexures/ann-4.pdf

The teachers appointed exclusively for Self-financing programmes are paid partly at par with GIA teachers.

1.2.7 **Does the university provide the flexibility of bringing together the conventional face to face mode and the distance mode of education and allow student to choose and combine the courses they are interested in? If 'yes', give operational details.**

University does not offer any programme in the distance mode or has not started any counselling centre outside university area.

1.2.8 **Has the university adopted the Choice Base Credit Systems (CBCS)? If yes, for how many programmes? What efforts have been made by the university to encourage the introduction of CBCS in its affiliated colleges?**

Sardar Patel University is one of the first two universities among all the universities in Gujarat to adopt the Choice Based Credit System in UG as well as PG in all its program except Medical faculty and Law faculty. The CBCS was adopted in 2009-2010. In the law faculty CBCS was adopted in 2014-15 after the Bar Council accepted the system.

1.2.9 **What percentage of programmes offered by the university follows?**

Semester System is followed in almost all the regular programmes offered by the University. This amounts to the following bifurcation.

- Annual system   11%
- Semester system   89%
- Trimester system   0%

1.2.10 **How does the university promote interdisciplinary programmes? Name a few programmes and comment on their outcome.**

Sardar Patel University is always at the forefront in designing courses with interdisciplinary approach. The constitution of Board of Studies includes the subject experts from sister disciplines. This facilitates the designing of curriculum on interdisciplinary basis. The University has introduced a number of inter/multi disciplinary programmes/courses such as Industrial Biotechnology, Bioinformatics, Food Designing and Quality Assurance, Nutrigenomics, Quality and Productivity Management, Political Sociology: The Indian Context, Indian Political Economy. All these programme/courses are very much in demand and are continued in the campus for several years. This indicates the fact that inter/multi disciplinary approach is the part of University's academic culture.

The Department of Science &Technology (DST) has made available a special grant for PURSE programme under which the Centre for Interdisciplinary Studies in Science & Technology (CISST) is established. Various programmes are offered by CISST for example,

MSc in Defense Science, Earth Science, Biomedical Science, Bioinformatics.

To nurture the scientific temper in interdisciplinary programmers, University has introduced research projects of interdisciplinary type. The list of interdisciplinary research projects taken up by various faculty member are listed an Annexure elsewhere in Criterion-III.

The Human Resource Development Centre is also organizing the Refresher Courses of multidisciplinary type. The list is enclosed as:

(Please see Annexure–5: Interdisciplinary and Multidisciplinary Programmes organized by the UGC Human Resource Development Centre, Sardar Patel University)

www.spuvvn.edu/iqac/rar16/annexures/ann-5.pdf

For the List of the Interdisciplinary programmes run by the university:

(Please see Annexure–6: Department-wise List of Interdisciplinary Programmes)

www.spuvvn.edu/iqac/rar16/annexures/ann-6.pdf

1.3 CURRICULUM ENRICHMENT

1.3.1 How often is the curriculum of the university reviewed and upgraded for making it socially relevant and/or job oriented/knowledge intensive and meeting the emerging needs of students and other stakeholders?

The curriculum of the university is reviewed in the relevant faculty by the respective Board of Studies every three to five years and upgraded as per the need keeping in view the feedback of stakeholders.

1.3.2 During the last four years, how many new programmes at PG levels were introduced? Give details about:

- **Interdisciplinary**
  MSc in Biomedical Science
  MSc in Defense Science
  MSc in Earth Science

- **Programmes in Emerging Areas**
  MSc in Information Technology
  MSc Food and Nutrition with specialization in Food Design and Quality Assurance
  MSc Food and Nutrition with specialization in Nutrigenomics
  MSc Food Biotechnology with specialization in Food Design and Quality Assurance
  MSc Food Biotechnology with specialization in Nutrigenomics

BEd Special Education to Mentally Retarded People
MEd Special Education to Mentally Retarded People
PhD in Social Work

1.3.3 What are the strategies adopted for the revision of the existing programmes?

The university keeps abreast the changes taking place in society, environment and the frontiers of various branches of knowledge. The changes are reflected in the teaching by introducing corresponding revisions in the programmes and introducing new programmes. All branches of the knowledge meet at the horizon demanding the emergence of interdisciplinary studies. The university has been very sensitive introducing programmes and courses of studies in accordance with the same.

The university adopts the UGC guidelines for curricula with relevant changes looking at the needs of the local social demands.

As already mentioned the feedback of the stakeholders has a vital role in framing of syllabus.

Looking at the current trends, the university has also incorporated the due weightage of skill (*KAUSHAL*) based courses and programmes. Research is an integral part of the University. The university has bagged special recognition to many of its departments from UGC/DST/DAE because it has included in its curriculum the component of research oriented courses and students project inculcating the research environment of the starting level. This is because of the component of research oriented courses and projects at PG level.

Please see Annexure–7: Details of Courses/Programmes Revised (Department-wise)

www.spuvvn.edu/iqac/rar16/annexures/ann-7.pdf

1.3.4 What are the value-added courses offered by the university and how does the university ensure that all students have access to them?

The University has been offering the following value-added courses:

- Computer Applications (Home Science)
- Community Nutrition (Home Science)
- Communication Technology (Home Science)
- Entrepreneurship Development (Home Science)
- Language and Literature and ICT (English)

- Writing for Academic and Professional Purposes and Life Enrichment (English)
- Literary and Critical Terms and Movements and Communication Skills (English)
- Author Study and Critical Thinking and Problem Solving Skills (English)
- Life Enrichment course (Gujarati as well as MSW)
- Consumer protection and behaviour, counselling of needy people (Psychology)

1.3.5 Has the university introduced any higher order skill development programmes in consonance with the national requirements as outlined by the National Skill Development Corporation and other agencies?

Out of the 21 areas identified by the NSDC for the purpose of introducing high order skill development programmes, the University has launched the following programmes:

- Spoken Tutorial Project offered by IIT Mumbai National Mission on Education through ICT, MHRD, Govt. of India (MBA)
- ICT Translation &Editing (Gujarati)
- Information and Communication (MSW)
- Communication Skills (MSW)
- Critical Thinking and Problem Solving Skills (MSW)

1.4 FEEDBACK SYSTEM

1.4.1 Does the university have a formal mechanism to obtain feedback from students regarding the curriculum and how is it made use of?

The University has developed a formal mechanism to get feedback from students regarding the curriculum. Feedback on curriculum is obtained from students. The Head of the Department collects feedback on curriculum periodically. The suggestions and comments collected from the feedback are placed before the DIQAC for discussion and consideration. The IQAC of the University closely monitors the execution of the formal mechanism designed for collection of feedback on curriculum.

1.4.2 Does the university elicit feedback on the curriculum from national and international faculty?

The required feedback from various professors visiting under various exchange programs is considered.

1.4.3 Specify the mechanism through which affiliated institutions give feedback or curriculum enrichment and the extent to which it is made use of.

The Boards of Studies of the university also have members from various affiliating colleges/institutions. The composition of Board of Studies is fixed by the statute book. The chairman of board of studies is also on rotation bases therefore the members from affiliated colleges have equal share in revising the syllabi and also for academic reforms.

1.4.4 What are the quality sustenance and quality enhancement measures undertaken by the university in ensuring the effective development of the curricula?

The University has been initiating many quality enhancement measures which are shown below for the effective development of the curriculum:
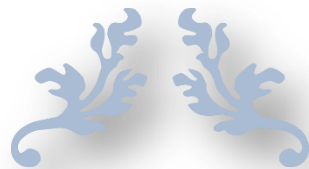
The University has been taking many steps to enhance and sustain the quality to ensure the effective development of the curricula. The composition of the Board of Studies ensures the significant representation of undergraduate teachers and postgraduate teachers over and above other experts to develop the holistic approach in course designing of a programme from UG to PG. Keeping in view the thrust areas developed at various department, the emerging areas in particular discipline and its application the curricula are developed around the same.

Additional Information regarding Curricular Aspects

One student from the first batch of MSc Earth Sciences has spent 4 months for his project work of semester IV at PRL, Ahmedabad and he was eventually cleared their JRF examination and he is presently registered for PhD. This exam was also taken up by students from IITs and other Central Universities. The success of our student indicates that our curriculum is of sufficient and national quality.

The MSc programmes offered by CISST have the following unique features:

- Highly interdisciplinary and holistic in content
- Sufficient stress on training in foundations of Basic Sciences including Mathematics and Statistics
- Mandatory Research Projects
- Exposure to highly sophisticated Scientific Equipments
- Involvement of Faculty Members of other Departments and experts from other National Labs in curriculum designing.

CRITERION II

[TEACHING-LEARNING AND EVALUATION]

CRITERION-II
[TEACHING-LEARNING AND EVALUATION]

2.1   STUDENT ENROLMENT AND PROFILE

2.1.1   How does the university ensure publicity and transparency in the admission process?

Since Sardar Patel University is the State University, it follows all the rules and regulations of the State Government in the admission process. As a public organization, the University keeps open all the admission information and makes the admission process truly transparent. Notification for admission to different PG courses is issued in daily leading news papers and the details are hosted on the University website (**www.spuvvn.edu**). The prospectus is made available on the university webpage. The hard copies of the brochures prepared by certain departments are sent to various universities, colleges and institutes to gain wide publicity. The merit list of applicants for each programme is also displayed prominently on the Notice Board in the Department concerned as well as on the university website. The counselling date/test date/interview date and time (if any), for different departments are announced in the prospectus itself.

At each stage of the admission process, due information is made available publicly. The information hosted on our website includes list of candidates with their merit and dates of counselling. Wherever the admissions are based on admission tests, the lists of qualified candidates are also made public on and website. The process of counselling is carried out by the departmental admission committee.

2.1.2   Explain in detail the process of admission put in place by the university. List of criteria for admission: (e.g. (i) merit (ii) merit with entrance test (iii) merit, entrance test and interview (iv) common entrance test conducted by state agencies and national agencies (v) any other criteria followed by the university).

In all the cases the admission is based fully on the merit. For first three years of the assessment period the process of admission was semi-automated. The forms were made available on the website for downloading. The candidates had to submit the application in hard copy. The merit list was prepared after the data entry by the university. The candidates were offered the admission in a personal counselling on a pre-determined date printed in the prospectus. During the latter two years of the admission process, university adopted a tailor made University Management System fully automated for the stages from

online applications to preparation of merit lists. The counselling process remains the same.

Following the guidelines of UGC, the admissions to MPhil and PhD are based on entrance test and counselling.

In the professional courses (MPharm, MBA, MCA) admissions are governed by the State Level Admission Committee for Professional Courses (ACPC) based on Common Management Admission Test (CMAT) score. Detailed information is supplied along with the application form to the candidates. The reservation policy decided by the government is duly followed in the process of admission maintaining the transparency.

2.1.3 Provide details of admission process in the affiliated colleges and the university's role in monitoring the same.

The admission process at UG level is decentralized at respective affiliated college and institute level as per the intake approved by the University. The colleges are asked to give the admissions as per the university guidelines about eligibility, merit, reservation quota etc.

The university facilitates the admissions of students by issuing Provisional Eligibility Certificate (PEC), equivalence wherever necessary. The university also addresses the issues of redressal as they are received by constituting appropriate committees. The university arranges for the transfer of credit to the students migrating from other universities.

2.1.4 Does the university have a mechanism to review admission process and student profile annually?

Yes, in a pre-meeting with the Heads of various departments and sections, the process of admission is discussed before the printing of prospectus. The admission process is reviewed based on informal feedback by the Heads of departments, feedback from students, and necessary reforms are introduced. This includes counselling at departments to a central place at Gyanodaya building of university. The details of profiles of students admitted is under different categories is maintained and recorded.

2.1.5 What are the strategies adopted to increase/improve access for students belonging to the following categories:

* **SC/ST**
* **SEBC**
* **Women**

* **PH**
* **Economically Weaker**
* **Outstanding achievers in sports and other extracurricular activities**

The University, since its inception, followed inclusive policy and as a result, the students belonging to marginalized communities claim their due share in total admissions of the University. The percentage of students belonging to SC, ST, Persons with varied Disabilities (PwD) and Socially and Economically Backward Classes (SEBC) in the University constitute a significant share and that stands as a testimony for the successful strategies adopted by the University to increase/improve the access for such categories.

The strategies adopted to improve access for:

SC, ST: The University follows statutory reservations scrupulously for providing access to SC, ST students after providing due relaxation in eligibility, qualification, age etc as per government rules time to time. To develop competencies to succeed in competitive examinations special coaching is provided through UGC sponsored coaching centres. The students are provided pre-placement training and placement support. The University follows social equalization policy and does not permit any kind of social discrimination. All measures are taken to provide safety and security.

The SC/ST Cell, which takes necessary steps to display all notifications/circulars on all the notice boards and provides guidance to the students belonging to SC/ST. Important decisions taken by the university advisory committee for scheduled caste/scheduled tribes are strictly followed and implemented. SC/ST Cell also monitors the progress of the NET coaching classes with the help of financial assistance from the UGC, New Delhi for SC/ST and minority students and provides the guidance for competitive examination.

The following scholarships/fellowships are made available to SC/ST/SEBC:

* State Government scholarships for students whose parent's income prescribed by government time to time.
* Gujarat Government fellowships for MPhil/PhD students.
* Concession in the fee for the students whose parents have a BPL card.
* The accommodation and boarding is free for ST students admitted into constituent department and affiliated colleges. A 200 seater separate hostel is built for ST candidates exclusively namely Eklavya hostel. A separate modern hostel with 500 seats capacity each for

male and female SC students has been constructed and named as Samras hostel.

Women: Female students are provided accommodation in exclusive hostels for women. The prescribed tuition fee is exempted completely to girl/women students under the Kanya Kelavani programme of Government of Gujarat. The University has set up a Prevention of Sexual Harassment and Grievance Cell to infuse confidence by providing equal opportunities for the women students. All measures are taken to provide safety and security. An anti ragging cell is created at department level and the contact numbers of the anti ragging committee are displayed prominently on the notice board of the department. All the other measures suggested by government taken care of.

Persons with varied Disabilities (PwD): The University follows statutory reservations for persons with varied disabilities as per the Government norms. The essential facilities like ramping and special chairs are provided.

Economically weaker sections: The free studentship to 10% of total admitted students is provided by the university. The other benefits are provided as per government norms.

Minority: State Government scholarships for students whose parent's income prescribed by government time to time. Gujarat Government fellowships for MPhil/PhD students.

(Please see Annexure–8 for the Details of Scholarships/Studentships Awarded to Students Belonging to ST/SC/SEBC/Economically Weaker Sections.)

www.spuvvn.edu/iqac/rar16/annexures/ann-8.pdf

2.1.6 Number of students admitted in university departments in the last five academic years:

Categories	2010-11		2011-12		2012-13		2013-14		2014-15	
	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female
SC	147	85	127	86	174	106	140	119	90	121
ST	142	83	105	113	118	110	109	118	83	138
SEBC	258	141	245	180	239	140	200	127	210	176
General	859	733	777	766	771	779	673	688	549	679
PWD	06	01	07	02	05	-	05	02	-	01

2.1.7   **Has the university conducted any analysis of demand ratio for the various programmes of the university departments and affiliated colleges? If so, highlight the significant trends explaining the reasons for increase/decrease.**

The number of applications received for various programmes are approximately 2.5 times more than number of seats.

Programmes	Year	Number of students admitted
PG	2010-11	2267
	2011-12	2245
	2012-13	2315
	2013-14	2042
	2014-15	1897
MPhil	2010-11	188
	2011-12	163
	2012-13	127
	2013-14	139
	2014-15	150
PhD	2010-11	78
	2011-12	251
	2012-13	208
	2013-14	208
	2014-15	208
Certificate	2010-11	51
	2011-12	90
	2012-13	38
	2013-14	-
	2014-15	30
Diploma	2010-11	02
	2011-12	-
	2012-13	-
	2013-14	-
	2014-15	-
PG Diploma	2010-11	269
	2011-12	160
	2012-13	192
	2013-14	131
	2014-15	131

2.1.8 **Were any programmes discontinued/staggered by the university in the last four years? If yes, please specify the reasons.**

No programme is discontinued.

2.2 CATERING TO STUDENT DIVERSITY

2.2.1 **Does the university organize orientation/induction programme for freshers? If yes, give details such as the duration, issues covered, experts involved and mechanism for using the feedback in subsequent years.**

Yes, orientation classes and induction classes for the newly admitted batches of students are conducted in the beginning of the term in almost in all the departments. Senior faculty members of the departments are involved in such programmes. The programme is designed by individual department based on the students profile and course needs. The common issues covered include introduction to life in the campus, infrastructure, students support facilities, learning resources, conventions and traditions, expectations and issues regarding Anti-ragging Cell, Women Cell, Placement Cell, etc.

2.2.2 **Does the university have a mechanism through which the "differential requirements of the student population" are analysed after admission and before the commencement of classes? If so, how are the key issues identified and addressed?**

Yes, the analysis of student's profile is conducted as it provides insight into the differential requirements of various students. The departmental committees analyze different requirements of the student population with respect to curriculum, career, opportunities, add on courses and training skills. Major requirements of the students are identified and the support programmes and classes are organized by the departments accordingly. Every year university gets students from foreign countries like Nepal, Bangladesh, Yemen and other Asian countries apart from students from Jammu and Kashmir through ICCR. The list of such students is provided in Criterion-I. A separate centre called International Students Centre of the university has been taking care of all differential needs of these students.

2.2.3 **Does the university offer bridge/remedial/add-on courses? If yes, how are they structured into the time table? Give details of the courses offered, department-wise/faculty-wise?**

Yes, the faculty members identify slow learners, who require remedial classes after the completion of the first semester examination. Some of the departments conduct NET/SLET coaching classes. A separate

NET/SLET coaching centre funded by UGC is functioning in the campus. Statistics department provides add-on courses like certificate courses in (i) SPSS (ii) Biostatistics and (iii) Financial Statistics.

2.2.4 **Has the university conducted any study on the academic growth of students from disadvantaged sections of the society, economically disadvantaged, physically handicapped, slow learners, etc.? If yes, what are the main findings?**

Yes, the university arranges remedial classes for slow learners and disadvantaged sections of the society. University also awards state government sponsored scholarships to SC/ST, SEBC and Freeships to economically disadvantaged students and gives concession in tuition fees for the economically backward students.

2.2.5 **How does the university identify and respond to the learning needs of advanced learners?**

The advanced learners are provided an opportunity to interact with various experts to make them motivated in taking up pointed studies towards research. Advanced learners are oriented towards research component in the programme, and are facilitated to interact with visiting scientists from other institutes. In most of the departments students are encouraged to attend summer programme and other training school. Every year about two to three students go for Mathematical Training and Talent Search (MTTS), Advanced Training in Mathematics (ATM).

2.3 TEACHING-LEARNING PROCESS

2.3.1 **How does the university plan and organise the teaching, learning and evaluation schedules (academic calendar, teaching plan, evaluation blue print, etc.)?**

The teaching, examination and vacation schedules are prepared well in advance of the commencement of the academic year by the university; it is prepared in consultation with the heads of the departments, principals of colleges and the administrative officers. After the university calendar is finalized, the departmental calendar is prepared, where details like, internal tests, internal practical examination, arrear tests extra-curricular activities are planned.

2.3.2 **Does the university provide course outlines and course schedules prior to the commencement of the academic session? If yes, how is the effectiveness of the process ensured?**

Yes, syllabus outline of all courses are uploaded on the university website; the outline is also made available to the students by the teachers concerned.

2.3.3 **Does the university face any challenge in completing the curriculum within the stipulated time frame and calendar? If yes, elaborate on the challenges encountered and the institutional measures to overcome these.**

Due to shortage of the faculty in some of the departments extra classes are taken to complete the curriculum within the stipulated time. If necessary, these classes are conducted on holidays as well.

2.3.4 **How is learning made student-centric? Give a list of participatory learning activities adopted by the faculty that contributes to holistic development and improved student learning, besides facilitating life-long learning and knowledge management.**

The basic philosophy of the university is to make the learning student-centric. Different faculties adopt suitable teaching and learning methodologies to involve students and to facilitate participative learning. In each department, seminar is a part of a regular academic curriculum, in which students are encouraged to teach topics, interact with other students and they are evaluated on that basis. The science departments involve students in lab practical as an experiential learning. The focus of the teaching-learning process is to develop skills and competencies among the students and to make them self independent. In MBA department students are involved in individual and group projects in each course as well as summer internship for 6 weeks in any corporate organization. Students are provided with e-learning resources. The use of ICT in teaching-learning further strengthened the concept of participative learning. Students are provided with ample opportunities to ventilate their ideas and to carry out experiments of their own. The focus of the teaching-learning process is to develop skills and competencies among the students and to make them independent.

2.3.5 **What is the university's policy on inviting experts/people of eminence to deliver lectures and/or organize seminars for students?**

All the academic departments are encouraged to invite experts from industry, research institutions and people of eminence in different fields. Budgetary provision is made for this purpose. The departments are encouraged to organize seminars, conferences, workshops, etc., by seeking support from funding agencies and the stakeholders. Grants are sanctioned under various schemes like SAP/CAS/FIST/Shri IA Patel (Shertha) Visiting Professor/UGC exchange programme/MS Joshi endowment fund etc. for inviting experts from industry and other institutions for giving lectures.

2.3.6 Does the university formally encourage blended learning by using e-learning resources?

Sufficient e-learning resources are provided in the campus of the university. Internet facility is provided in all the departments and hostels. The University Library subscribes to online e-journal/e-book which can be accessed through INFLIBNET. The university signed MOU with IIT Mumbai for Spoken Tutorial Project funded by Government of India.

2.3.7 What are the technologies and facilities such as virtual laboratories, e-learning, open educational resources and mobile education used by the faculty for effective teaching?

The following facilities are created to help the students and the faculty to keep pace with the recent developments in their subjects:

- Most of the class rooms are equipped with Projector facility.
- Internet based resource collection is made available to the students.
- Access to e-books and journals is made available to the students and faculties.
- Use of e-learning resources like MOODLE-MOOCS and Open Source Learning are encouraged.
- Some of the departments are equipped with StarBoard, Interactive Panel Board, Visualizer etc. as smart class facilities.

2.3.8 Is there any designated group among the faculty to monitor the trends and issues regarding developments in Open Source Community and integrate its benefits in the university's educational processes?

Faculty members are constantly keeping eye on the open source online resources useful to the students and the new resources are brought to the notice of the students. Certain departments, for example, the mathematics department, have created and have been managing the online discussion groups like *ugcnetmath@yahoogroups.com, topologicalalgebras@yahoogroups.com.*

2.3.9 What steps has the university taken to orient traditional classrooms into 24x7 learning places?

Modern Information and Communication Technology (ICT) has oriented traditional classrooms into 24x7 learning place. University has already provided the hostels with Internet connectivity via Wi-Fi. Faculty members use Internet connectivity to share information with students. Students themselves share their ideas via social media like Facebook, Twitter, WhatsApp etc. Some departments give filed projects, so students are engaged in practical learning.

2.3.10 Is there a provision for the services of counsellors/mentors/advisors for each class or group of students for academic, personal and psycho-social guidance? If yes, give details of the process and the number of students who have benefitted.

Each of the faculty members acts also as advisor and counsellor to attend the academic as well as other needs (if any) of the students.

2.3.11 Were any innovative teaching approaches/methods/practices adopted/put to use by the faculty during the last four years? If yes, did they improve learning? What were the methods used to evaluate the impact of such practices? What are the efforts made by the institution in giving the faculty due recognition for innovation in teaching?

It is worthy to note here one of the glaring innovative methods adopted by Biosciences teachers in teaching of Plant Taxonomy. Instead of following the tradition to give the pre determined plant specimen to the students, they encourage the students to look for plant specimen in their field/villages or surrounding. The specimens are assigned to the groups of students for studying.

In CISST, there are many visiting professors associated with teaching. In these cases an e-repository of content is created and maintained.

Majority of the faculty members in each department are using modern teaching aids in teaching learning process. Also they are adopting innovative teaching methods relevant to the subject and suiting to the need of the students. Students are motivated to contact the faculty members by means of social media like Whats-App, Hike, E-groups and Facebook.

2.3.12 How does the university create a culture of instilling and nurturing creativity and scientific temper among the learners?

The University has an established culture of nurturing creativity and scientific temper among the learners. The following are regularly taken up activities for the purpose:

- The successful entrepreneurs, scientists of national repute are invited frequently to the university to deliver expert lectures and to interact with the students.
- Encouraging the students for participation at Youth Festival, Anveshan etc.
- In some departments, the students are required to interact with different types of stakeholders like dairy farmers and households to obtain primary data, during which they learn communication skills,

methods of interviewing, data analysis etc. that develop and strengthen creativity amongst them.

- Gujarati department introduced course paper entitled 'creative writing' for nurturing creativity.

- The University has an active Community Science Centre. The departments encourage the students to visit and participate in the multi-faceted activities of the centre at regular intervals.

- The University has a Museum that attracts students to many programmes organized by it.

2.3.13 Does the university consider student projects mandatory in the learning programme? If yes, for how many programmes have they been (percentage of total) made mandatory?

In the following departments the project constitutes a mandatory component of the curriculum:

- CISST
- Computer Science
- Electronics
- Home Science
- Pharmaceutical Science
- Physics
- Materials Science
- Statistics
- MBA
- Sociology

In the following departments the projects are offered as an elective to selected students:

- Biosciences
- Gujarati

In Mathematics department, the project work is voluntary and extra over the mandatory credits.

2.3.14 Does the university have a well-qualified pool of human resource to meet the requirements of the curriculum? If there is a shortfall, how is it supplemented?

The University has well qualified pool of human resource. Wherever, there is a need on account of superannuation of teachers, the workload is shared by other teachers or a faculty that is appointed on contract basis or help of visiting professors from other universities is sought.

2.3.15 How are the faculty enabled to prepare computer-aided teaching/learning materials? What are the facilities available in the university for such efforts?

All the faculty members are provided with the computer with Internet connectivity, printer in their offices for developing their computer aided teaching. Most of the faculty members have interwoven the use of ICT and computer aided presentation in teaching.

2.3.16 Does the university have a mechanism for the evaluation of teachers by the students/alumni? If yes, how is the evaluation feedback used to improve the quality of the teaching-learning process?

The evaluation of teachers is done at the end of each semester by the students. The students' feedback forms containing information about the teacher's performance relating to different aspects like punctuality, subject knowledge and motivation etc. are examined. The self-appraisal reports of each of the faculty relating to teaching and research are evaluated, by the university.

2.4 TEACHER QUALITY

2.4.1 How does the university plan and manage its human resources to meet the changing requirements of the curriculum?

The following measures are taken to update the subjects and teaching skills of the faculty:

- Participation in orientation and refresher courses
- Participation in national and international seminars, conferences, workshops, etc.
- Organization of national seminars, conferences, workshops etc.
- Participation of faculty members in training programmes on emerging trends
- Inviting experts to interact with the faculties

2.4.2 Furnish details of the faculty (Status as per academic year 2014-15)

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Permanent teachers							
PhD	06	01	36	05	67	23	138
PG	-	-	-	-	01	07	08

Highest Qualification	Professors		Associate Professors		Assistant Professors		Total
	Male	Female	Male	Female	Male	Female	
Temporary teachers/Ad-hoc/Contractual							
PhD	-	-	-	-	02	05	07
PG	-	-	-	-	03	10	13

The number of new appointment made during last five years is 14.

2.4.3 Does the university encourage diversity in its faculty recruitment? Provide the following details (department/school-wise)

Department/ School	% of faculty from the same university	% of faculty from other universities within the State	% of faculty from universities outside the State	% of faculty from other countries
Biosciences	86	-	14	-
Business Studies	75	25	-	-
Chemistry	77	23	-	-
Computer Science	100	-	-	-
Economics	67	33	-	-
Education	100	-	-	-
Electronics	100	-	-	-
English	100	-	-	-
Gujarati	60	40	-	-
Hindi	40	20	40	-
History	33	33	33	-
Home Science	100	-	-	-
Library & Info. Science	100	-	-	-
Materials Science	100	-	-	-
Mathematics	67	11	11	11
MBA	72	14	14	-
MSW	50	-	50	-
Physics	80	10	10	-
Pharmaceutical Science	100	-	-	-
Political Science	75	25	-	-
Psychology	75	25	-	-
Sanskrit	33	66	-	-
Sociology	80	20	-	-
Statistics	60	20	20	-
BEd	75	25	-	-

2.4.4 **How does the university ensure that qualified faculty are appointed for new programmes/emerging areas of study (Biotechnology, Bio-informatics, Nanotechnology, Comparative Media Studies, Diaspora Studies, Forensic Computing, Educational Leadership, etc.)? How many faculty members were appointed to teach new programmes during the last five years?**

The university offered three new PG programmes in Earth Science, Biomedical Science and Defense Science in CISST. The applications received are scrutinized and the candidates who have potential for teaching interdisciplinary subjects and can handled research in the area are selected based on their performance of their interview. Some faculty, at entry level, are selected on contractual basis from university's own recourses. Efforts are also made to get faculty positions approved for interdisciplinary teaching and three such faculties are recently approved by Government of Gujarat. Seven faculty members are appointed as contractual basis as per the Government of Gujarat rules.

2.4.5 **How many Emeritus/Adjunct Faculty/Visiting Professors are on the rolls of the university?**

Sr. No.	Department	Name	Scheme	Time Duration
1	Mathematics	Prof SJ Bhatt	NBHM Visiting Professor	01/04/2011 to 31/03/2013
2	Mathematics	Prof SJ Bhatt	UGC Emeritus Fellow	10/02/2015 to 09/02/2017
3	Gujarati	Prof BR Brahmbhatt	Emeritus Fellow	July 2015 to July 2017
4	Chemistry	Prof HS Patel	UGC BSR Faculty Fellow	2014 to 2017

2.4.6 **What policies/systems are in place to academically recharge and rejuvenate teachers (e.g. providing research grants, study leave, nomination to national/international conferences/seminars, in-service training, organizing national/international conferences etc.)?**

The university awards seed grants and interdisciplinary research grants from its own recourses by following a scrutiny system by inviting the proposals from the faculty members. The projects proposals are asked to be presented before panel of experts. The six monthly progresses are also monitored in a review meeting. The details of such grants are given elsewhere. The university facilitates the visits of faculty members abroad for attending conferences for availing short to long visits under exchange programme by invitation. The faculty members are given full salary and duty leave during such visits. The young faculty members are also

encouraged and given duty leave for attending orientation, refresher course, short term training programme at HRDC and other reputed institutes.

2.4.7 **How many faculty received awards/recognitions for excellence in teaching at the state, national and international level during the last four years?**

Year	No. of Awards	No. of Recognitions
2010-11	07	02
2011-12	02	01
2012-13	03	02
2013-14	02	-
2014-15	01	-

For more details see 3.4.4.

2.4.8 **How many faculty underwent staff development programmes during the last five years (add any other programme if necessary)?**

Programme	Number of faculty participated
Refresher Courses	44
HRD Programmes/Short Term Programme	26
Orientation Programmes	20
Staff Training conducted by the university	10
Staff Training conducted by the other Institutions	01
Summer/Winter Schools, Workshops, etc.	05

(Please see Annexure–9: for the Details of Staff Development/UGC-HRD Programmes Participated by Faculty Members.)

www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

2.4.9 **What percentage of the faculty have**

been invited as resource persons in Workshops/Seminars Conferences organized by external professional agencies?
    About 50%.

participated in external Workshops/Seminars/Conferences recognized by national/international professional bodies?
    About 70%.

presented papers in Workshops/Seminars/Conferences conducted or recognized by professional agencies?
    About 80%.

teaching experience in other universities/national institutions and other institutions?

About 10%.

industrial engagement?

About 5%.

international experience in teaching?

NIL.

2.4.10 How often does the university organize academic development programmes (e.g. curriculum development, teaching-learning methods, examination reforms, content/knowledge management, etc.) for its faculty aimed at enriching the teaching-learning process?

The Examination Reforms Unit conducts on average 1-2 workshops to the faculty members. The faculty members improve their teaching learning methods through the programmes shown in 2.4.8.

2.4.11 Does the university have a mechanism to encourage

- **Mobility of faculty between universities for teaching?**
- **Faculty exchange programmes with national and international bodies?**
- **If yes, how have these schemes helped in enriching the quality of the faculty?**

Our faculty and faculty members from other universities are involved in UGC teacher exchange programme for delivering lectures at each other places. The university also invites eminent persons in the campus under I.A. Shertha Scheme, UGC visiting fellow programme and also under the auspices of various chairs created for specialized study. Visiting professors are also invited under the heading of academic activities of SF programmes.

2.5 EVALUATION PROCESS AND REFORMS

2.5.1 How does the university ensure that all the stakeholders are aware of the evaluation processes that are in place?

The detail scheme of instructions, syllabi and examination pattern are available for all the courses. Further, the students are briefed by the department regarding the examination pattern and method of evaluation in the beginning of the academic year itself.

2.5.2 **What are the important examination reforms initiated by the university and to what extent have they been implemented in the university departments and affiliated colleges?**

- Each of the answer-books used has a Serial No. in the space on the top which also has the Examination No. of the candidate concerned and the Junior Supervisor's signature. All this is flapped by the examinee himself/herself, thereby lending a greater credibility to the system. Recently answer books are bar-coded.

- The answer books are distributed faculty-wise with separate numbers allotted to every faculty to ensure its identity and to foreclose the possibility of the misuse of the answer books. Arrangements have been put in place to maintain the account of the answer books, block-wise at the Examination Centres.

- We have introduced a Hall-Ticket with a given candidate's photograph printed on it for the Junior Supervisor in the Examination Hall could use it to ascertain the examinee's identity. It also lists the subjects in whom he or she would appear alongside day, date, and time of examination etc.

- We publish the Results on the University Website. The university has its own Computer Centre for processing and declaring examination results. All the results are uploaded time to time on the university website immediately after publication of results.

- The bar-coded answer books are secured and the barcode is captured directly to the mark sheet avoiding disclosure of candidate's seat number and identification number.

- The examination papers are printed in the university press on the day session wise and distributed block wise. A separate secured enclosure is established in the university press for the examination. The question papers are supplied to examination centres before 30 minutes to 1 hour.

- A separate four floor Pariksha Bhavan (Gyanoday) is constructed by the university by pooling funds from various sources. This facility enables taking examination of around 2,700 students session wise and completely covered under the surveillance of CCTV. This facility is also used for central assessment when the examination is over.

2.5.3 **What is the average time taken by the University for declaration of examination results? In case of delay, what measures have been taken to address them? Indicate the mode/ media adopted by the University for the publication of examination results (e.g. website, SMS, email, etc.).**

All results are published within 30 days from the last date of examinations. Students can see their results on the university website. The detailed notification of results is sent to respective departments/colleges/institutes immediately after one day of declaration of results. The media is informed about the declaration of results.

2.5.4 **How does the university ensure transparency in the evaluation process? What are the rigorous features introduced by the university to ensure confidentiality?**

The university follows a flapping system and central assessment for university examinations. Each of the answer-books used has a Serial No. in the space on the top which also has the Examination No. of the candidate concerned and the Junior Supervisor's signature. All this is flapped by the examinee himself/herself, thereby lending a greater credibility to the system. Flapped/bar-coded answer-books evaluated by faculty members. The information inside in the barcode remains as such till the declaration of results.

2.5.5 **Does the university have an integrated examination platform for the following processes?**
- **Pre-examination processes: Time table generation, OMR, student list generation, invigilators, squads, attendance sheet, online payment gateway, etc.**
- **Examination process: Examination material management, logistics, etc.**
- **Post-examination process: Attendance capture, OMR based exam result, auto processing, generic result processing, certification, etc.**

Pre-examination processes:

SPU has been using a tailor made University Management System (UMS). Following the online application and manual admission, the admitted students are registered using UMS. The internal marks are entered online by the departments analysing the same and the online application forms, the hall tickets and student lists are created. Allocation of centres is partially automated.

Examination process:

Examination material inventory is managed; the university press is partially automated.

Post-examination process:

Data entry of marks is carried out at the university Computer Centre followed the central assessment at various centres. Then onwards all the processes till declaration of result, pre and post examination coding of answer books by students applying for reassessment are automated. The process of application of degree certificate to preparation and printing of degree certificate is automated. The printing of mark sheets and degree certificates with several security features is done at computer centre.

2.5.6 **Has the university introduced any reforms in its PhD course work evaluation process?**

The students pursuing PhD programme are required to complete 3 courses each of 3 credits. A specially constituted committee with subject expert and research guide is responsible for setting the question papers as well as evaluation of the answer books.

2.5.7 **Has the university created any provision for including the name of the college in the degree certificate?**

Yes, the university has made provision for including the name of the college in the degree certificate.

2.5.8 **What is the mechanism for redressal of grievances with reference to examinations?**

The sectional head of the examination section is responsible for addressing the grievances of the students with reference to examinations, taking support from Dean of concerned faculty and answer books are made available for observation on demand. The reassessment of the answer books is allotting under the direct control of Honourable Vice Chancellor. The students are given an opportunity to register their grievances within 10 days after the publication of the results. They can seek recounting or revaluation of their answer scripts. The above process is defined by the university ordinance.

2.6 **STUDENT PERFORMANCE AND LEARNING OUTCOMES**

2.6.1 **Has the university articulated its Graduate Attributes? If so, how does it facilitate and monitor its implementation and outcome?**

The graduate attributes are clearly attributed while designing and developing course structure and curriculum. The graduate attributes are also developed. The planning and execution of the programme ensure that all graduate attributes are properly addressed. The teaching plan, the methods of tools used in the teaching learning process help in the execution of the programme towards the graduate attributes. The outcomes are accessed in the form of clarity to the students on goal formulation and expectation from the programme. Besides, the success

in placement is a major indicator for assessing the outcome of clarity in Graduate Attributes.

2.6.2 Does the university have clearly stated learning outcomes for its academic programmes? If yes, give details on how the students and staff are made aware of these?

The learning outcome is not formally stated, however, the same is explained by the teacher and through continuous evaluation process.

2.6.3 How are the university's teaching, learning and assessment strategies structured to facilitate the achievement of the intended learning outcomes?

There is a blend of class room teaching, self-learning of the students, group learning, experimentation, field study, discussions and seminars, conduct of academic events, participation in competitions, etc. to achieve intended learning outcomes. The department also plans for continuous and student specific assessment. Regular class tests, assignments etc., are used generally to assess the performance and progress of the students.

2.6.4 How does the university collect and analyse data on student learning outcomes and use it to overcome the barriers to learning?

The university collects and analyses data on student learning through feedback.

2.6.5 What are the new technologies deployed by the university in enhancing student learning and evaluation and how does it seek to meet fresh/ future challenges?

The use of ICT enabled lecture delivery and several automated methods as described above for the confidential and fairness in evaluation.
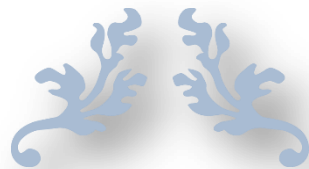
CRITERION III

[RESEARCH, CONSULTANCY AND EXTENSION]

CRITERION-III
[RESEARCH, CONSULTANCY AND EXTENSION]

3.1 PROMOTION OF RESEARCH

3.1.1 Does the university have a Research Committee to monitor and address issues related to research? If yes, what is its composition? Mention a few recommendations which have been implemented and their impact.

The promotion and administration of research is being taken care of by departmental research committees (DRCs). The university has constituted the committee as per RPG Ph.D. 20 in accordance with UGC regulation 2009. Every post graduate department as well as the constituent college of the University has a DRC consisting of the head of the department as the chairman of the committee and at least three senior faculty members. The dean of the respective faculty is an invited member of this committee. This DRC is constituted by the University on recommendations of the Head of the respective department.

Similarly, setting up the question paper for PhD entrance examination and evaluation of the examination papers are done by the core committee of the respective department/institute. The core committee is constituted as per R.PG.Ph.D.12, by the Head of the department/recognized institute with at least three members and dean of respective faculty. This committee shall set the question paper, provide solution to the test paper, conduct the test, assess the answer sheets, prepare and display merit list based on the results and arrange a counselling-cum-interview session of qualified applicants with the research committee in the PG department/recognized institute concerned, as the case may be.

The fundamental responsibilities of the DRCs include handling framing and changing of course syllabus from time to time, coordinating and conducting the credit courses, counselling and admission of students as well as monitoring the progress of the research students. The committee is also responsible for addressing problems faced by research students.

Recently, Sardar University has taken a number of steps towards the improvement of the quality of PhD thesis and revamped the existing rules according to the recommendations of the University Grants Commission. Most important steps taken in this regard include:

- Introduction of an entrance test for admission to PhD programmes of the University.

- The research committee reviews and guides the proposed work plan of each candidate during the counselling session for admission to PhD programme.
- A mandatory presentation of the work plan along with a thorough review of literature by the research student after registration.
- Two credit courses, one on research methodology and another one related to the subject of PhD to be completed by the research student within a year after admission to PhD programme.
- A mandatory pre PhD presentation (prior to submission of PhD thesis) on the research work done to the faculty and members of the Board of the respective department. The members present can suggest any modifications or corrections in case of any lacunae or unacceptable or doubtful content.

(Please see Annexure-10: for the Composition of DRC/Core Committee)
www.spuvvn.edu/iqac/rar16/annexures/ann-10.pdf

3.1.2   What is the policy of the university to promote research in its affiliated colleges?

- The faculty members serving in the affiliated colleges are encouraged to pursue MPhil/PhD degrees and they are given admission into MPhil and PhD Programmes in the Postgraduate departments/institutes on priority basis. Such candidates are registered as part-time students and are not charged for tuition fees up to eight terms from their registration.
- Affiliated colleges/institutes with a recognized research centre have recognized PhD guides and they are allotted PhD candidates.
- The faculty members working in the affiliated institutes with UGC 2(f) and 12(b) are encouraged to apply for minor and major research projects from various funding agencies.

Following is the list of Faculty members working in affiliated colleges who were permitted to register as Teacher Fellows under UGC's Faculty Development Programme for their PhD degree:

Sr. No.	Name of Teacher Fellow	Institute/ College	Name of the supervisor	Name of funding agency	Date of PhD	
					Registration	**Completion**
1	Hardik Bhatty	MB Patel college of Science, Anand	Dr Ujjval Trivedi, Dept of Biosciences	UGC, New Delhi	14-04-2004	02-02-2012

Sr. No.	Name of Teacher Fellow	Institute/ College	Name of the supervisor	Name of funding agency	Date of PhD	
					Registration	Completion
2	Umang Bharucha	MB Patel college of Science, Anand	Dr Ujjval Trivedi, Dept of Biosciences	UGC, New Delhi	24-06-2004	13-08-2013
3	Dhruv Dhananjay	NV Patel Science College	Dr BH Patel Dept of Electronics	UGC, New Delhi	04-11-2004	Nov 2015
4	Dr KK Patel	Smt SM Panchal Science College – Talod	Dr KD Patel, Dept of Physics	UGC, New Delhi	15-06-2010	14-06-2012
5	Niharika Gautam	Education Dept	Dr MK Yagnik	UGC, New Delhi	19-05-2014	In progress

3.1.3 What are the proactive mechanisms adopted by the university to facilitate the smooth Implementation of research schemes/projects?

The University is committed to smooth implementation and completion of research projects. The principal investigators of the research projects are given all the required administrative support to make his/her work comfortable for the timely completion of the project.

- The University also takes care about the timely release of grants and timely auditing of Accounts and submission of utilization certificate to the various Funding Agencies.
- A purchase committee has been constituted to simplify the procedure of purchase of equipment etc. from project funds. To facilitate smooth handling of the projects all UGC funded research projects and programmes such as DRS, SAP and CAS are handled by a separate section of the University. Projects financed by the Union Government, the State Government and other public and private sector organizations is handled by the general section of the University to facilitate the release of funding, auditing of Accounts and submission of Utilization Certificate in time.
- To inculcate research attitude and to encourage young and budding researchers to initiate research work, the University, from its own funds, provided "seed grant" up to ₹1,00,000 to faculty members of the Post Graduate departments as well as affiliated institutes.
- Advance financial support was provided to many principal investigators who received projects from various national funding agencies. In case of delay in release of funds by funding agencies,

the University continues financial support from its resources to Investigator and project staff for smooth continuation of the research work.

3.1.4 **How is interdisciplinary research promoted between/among different departments/schools of the university and Collaboration with national/international institutes/industries?**

The University departments regularly undertake interdisciplinary research involving faculty members from within the departments as well as departments within the University and outside the University. University encourages interdisciplinary research between and among different departments, Industries and also international collaborative research.

To facilitate and approve the PhD registration for interdisciplinary research work, a committee consisting of the Dean of the concerned faculty, Head of the department, concerned guide and a subject expert appointed in consultation with the Head of the department.

A number of interdisciplinary research projects are being pursued by various science departments such as Chemistry, Biosciences, Physics and Home Science. Some of the most common interdisciplinary research programmes include protein and single crystal X-ray crystallography; metagenomics; nanoscience and technology; evaluation of anti-microbial activity and cytotoxicity (bioassay) of synthetic and semi-synthetic compounds; deriving and validating models in Business Management and Finance through statistical tools.

As mentioned in table below, AIIMS, New Delhi; NEERI, Nagpur; IICT, Hyderabad; BARC, Mumbai and IGIB, New Delhi are some of the notable institutes of national repute with which collaborative research programmes have been carried out. Similar programmes have been also carried out between industries such as BASF, India and NGOs such as GUIDE and Pratham.

Sr. No.	Names of national/international institutes / industries collaborating	Nature of collaboration	Major achievements
National Organization			
1	Collaboration of Prof. Datta Madamwar with Prof TP Singh, All Indian Institute of Medical Science (AIIMS), New Delhi	In the area of Cyanobacterial Phycobilinprotein especially in structure determination of truncated Phycoerythrin	Novel structure and protein sequence of light harvesting protein has been deduced and resulted in publication in high impact journal of International repute

Sr. No.	Names of national/international institutes / industries collaborating	Nature of collaboration	Major achievements
2	Collaboration of Prof Datta Madamwar with Dr Yogesh Shouche, National Centre of Cell Science (NCCS), Pune	In the area of bacterial diversity and metagenomics	The work resulted in deciphering of microbial community structure of different polluted sites which resulted in high quality publications
3	Collaboration of Prof Datta Madamwar with Prof Archna Gayatri, MS University, Baroda	In the field of metagenomics	The study resulted in understating degradation potential of several bacteria and the their diversity at polluted sites, also resulted in high quality publications
4	Collaboration of Prof Datta Madamwar with Dr Hemant Purohit, National Environmental Engineering Research Institute (NEERI), Nagpur	In the area of bacterial metabolomis and bioremediation	Could result in technology development and quality publications.
5	Collaboration of Prof Datta Madamwar with Dr Venkata Mohan, IICT, Hyderabad in the field of bioremediation (Liquid Waste Management and Bioreactors)	In the field of bioremediation (Liquid Waste Management and Bioreactors)	Could result in technology development and quality publications.
6	Collaboration of Prof Datta Madamwar with Dr Vinod Kumar, Bhabha Atomic Research Centre (BRAC), Mumbai	In the area of Cyanobacterial Phycobilinproteins in cloning, purification and crystallization	Could result in technology development and quality publications.
7	Collaboration of Prof Datta Madamwar with Dr MN Gupta, IIT-Delhi	In the area of Biocatalysis (Non-aqueous Enzymology)	Novel processes may be developed for ester synthesis
8	Collaboration of Prof Datta Madamwar with Dr Rakesh Sharama, Institute of Genomics and Integrative Biology (IGIB), New Delhi	In the field of metagenomics	Generation of scientific information and addition of new knowledge

Sr. No.	Names of national/international institutes / industries collaborating	Nature of collaboration	Major achievements
9	Collaboration of Prof Datta Madamwar with Dr MD Imtaiyaz Hassan, Centre for Interdisciplinary Research in Basic Sciences, Jamia Millia Islamia, New Delhi	In the area of cyanobacterial pigment C-phycoerythrin stability and folding	Resulted in publication in high impact journal of International repute
10	Collaboration of Prof Datta Madamwar with Dr Devkar, MS University, Baroda	In the area of Cell Cytotoxicity	Resulted in high quality publications
11	Collaboration of Prof Datta Madamwar with Dr Sarita Gupta, MS University, Baroda	In the area of Cell Cytotoxicity	Resulted in high quality publications
12	Collaboration of Prof Datta Madamwar with Prof Chaitanya Joshi, Head, Animal Genomics and Biotechnology department, Veterinary Science college, Anand Agricultural University, Anand.	In the areas of Metagenomics (Whole Genome Sequestering)	Microbial community structure has been scrutinized and also resulted in high quality publications
13	Collaboration of Prof RB Subramanian with Prof Chaitanya Joshi, Head, Animal Genomics and Biotechnology department, Veterinary Science college, Anand Agricultural University, Anand.	A collaborative research work on High throughput exome sequencing for SNP genotyping in four buffalo breeds of Gujarat	Two PhD thesis and significant scientific information generated has result in high quality publications as well as created prospects for future developmental work.
14	Collaboration of Prof NV Sastry (PC) and VK Aswal (CC), BARC, Mumbai	Studies on Aggregation Behavior of Pyridinium based Amphiphilic Ionic Liquids in Water and in Presence of Aggregate Growth Promoters	Publications and PhD thesis
15	Dr SS Soni and VK Aswal, BARC, Mumbai	Influence of micellar morphology on conductivity of polymer gel electrolytes	Publications and PhD thesis

Sr. No.	Names of national/international institutes / industries collaborating	Nature of collaboration	Major achievements
16	Dr KR Surati and Dr PK Iyer, IIT Guwahati.	Highly efficient Phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs: Fabrication and it's Application	Publications and PhD thesis
17	Department of Gujarati, SP University and National Translation Mission, Delhi	Translation & editing (workshop)	Proceeding is prepared and is in press
18	Department of Gujarati, SP University and CIIL, Mysore	Natural language processing (work shop)	A research problem has been developed and a PhD student is working on it.
19	West zone cultural centre, Udaipur	Indian Folk drama presentation & seminar	Book is being prepared.
Non – Government organization			
20	Collaboration of Prof Datta Madamwar with GUIDE, Kuchchh	Joint research project. In the area of bacterial diversity and metagenomics	Microbial community structure has been scrutinized and also resulted in high quality publications
21	Collaboration of Prof RB Subramanian with Dr Darshan H Patel, PD Patel Institute of Sciences, CHARUSAT, Changa, Gujarat	In area of protein engineering	Skill development in this thrust area and enthusing outcomes published as well as presented in conferences which are appreciated by area experts as evident by prizes awarded at International conferences
22	Collaboration of Prof RB Subramanian with Dr Bushra Jarullah, Kadi Sarva Vishwa Vidyalay, Gandhinagar	Phenotyping and molecular screening of Tomato germplasm for resistance to Tomato Yellow Leaf Curl Virus from agro climatic regions of Gujarat	Publications
23	Collaboration of Prof JSS Mohan with Global Technology Mission, Santokpura	Understanding for establishing tissue culture lab for commercial propagation of plantation crops at Santokpura.	Established Commercial Facility for Tissue Culture.

Sr. No.	Names of national/international institutes / industries collaborating	Nature of collaboration	Major achievements
Industries			
24	Collaboration of Prof RB Subramanian with BASF, India.	To check the effects of Headline 20%WG and Cabrio top 60% WG on physiology and growth of tomato and cotton.	Novel fungicides with growth promoting properties were tested against fungal pathogens in Cotton Tomato and Maize. Both dosage and frequency of application were checked. Finally benefits to farmers and consumers were identified and these recommendations were submitted to BASF for necessary action.
25	Collaboration of Prof JSS Mohan with BASF, India.	To check effect of agrochemicals on groundnut and banana.	Around 30 cultivars of Tomato were screened for resistance and susceptibility against Tomato yellow leaf curl virus. It was found that none of the cultivars grown in Gujarat are resistant. A few tolerant varieties were identified. Genes such as Ty1 and Ty2 were found to be responsible for tolerance.

Taking up a novel initiative, the University has established a Centre for Interdisciplinary Studies in Science and Technology (CISST). This centre will serve as a nodal point for carrying out research in interdisciplinary areas of Science and Technology. The centre at present offers post graduate courses in emerging areas of interdisciplinary studies such as Biomedical technology, Bioinformatics, earth science and defence technology. The centre also houses sophisticated instruments as a central facility.

3.1.5 **Give details of workshops/ training programmes/ sensitization programmes conducted by the university to promote a research culture on campus.**

The activities conducted for sensitization and promotion of research culture on campus are:

- Two Day Symposium on Innovations in Science - SPU research Scholars Meet (ISSPURSM – 2012), 8th – 9th January 2012, Sardar Patel University, Vallabh Vidyanagar.

- National Workshop on Research Methodology: A March Towards Creating Quality through Research, 12–14th March 2012, Sardar Patel University, Vallabh Vidyanagar, under the auspices of KCG, Gandhinagar.

- Department of Business Management has created a 'GHPIBM Research Forum' in 2015 with an objective to promote and facilitate research activities among young teachers in the field of Management and related Social Sciences. This forum has more than 150 registered members, who apart from formal meetings interact through groups formed on popular social networking sites.

- Department of Business Management organized research workshop on, "How to write research paper and publish it?" for teachers working in undergraduate colleges in 2015 in which 120 teachers participated.

- Apart from the above programmes, all departments have regularly organized national/international conferences, where MSc students and research scholars get exposure to contemporary research work presented by invited leading scientists from organizations of repute. In all PG departments have organized 86 such events to sensitize and promote research culture in University campus.

3.1.6 **How does the University facilitate researchers of eminence to visit the campus as adjunct professors? What is the impact of such efforts on the research activities of the University?**

Many eminent personalities with proven research competencies visited the University on the invitation of various departments. Some of the eminent scientists and researchers who visited various departments of the University include Dr Darshan Pathak, Yale University, USA, Dr. Harish Joshi, Emory University, USA, Prof TP Singh, AIIMS, New Delhi, Shri Hasmukhbhai, Prof VS Vyas, Dr Amritaben Patel, Chairman, NDDB, Anand.

The University has various endowments and chairs under which many experts from various fields of Science, sociology, Economics, Management and language studies were invited to deliver lectures. These include Shri IA Patel Shertha Visiting Professor Fellow

Programme, Sardar Patel Chair and Corporation Bank Chair. Apart from these, a number of eminent scholars were invited under the UGC teacher exchange programme and UGC-CAS, UGC-SAP and UGC-DRS programmes.

A total of 237 scientists/researchers/scholars of eminence visited the University and delivered lectures. The list of researchers of eminence who visited the campus is shown in **Annexure-11** for Details of Lectures Delivered by outside Experts

www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

The impact of the visits of such eminent personalities is highly significant as is evident from the research output in terms of contribution of research papers and research projects undertaken by the University faculty members.

Guest lectures delivered in various departments of Sardar Patel University

Department/ Institute	2011	2012	2013	2014	2015
Biosciences	09	02	10	04	04
Chemistry	07	04	02	-	08
Computer science	01	02	03	-	04
Home science	-	-	03	-	-
Material science	03	-	07	-	-
Mathematics	03	02	01	01	01
CISST	-	-	02	02	01
Pharmaceutical sciences	06	02	-	-	01
Physics	08	02	01	01	-
Statistics	-	02	11	-	-
Business studies	02	01	-	01	03
Economics	05	06	02	05	-
Gujarati	04	07	04	03	06
Hindi	01	-	-	-	01
History	05	05	01	06	04
Library science	-	02	-	-	-
MSW	-	07	05	09	07
MBA	03	05	05	04	05
Total	**57**	**49**	**57**	**36**	**45**

3.1.7 What percentage of the total budget is earmarked for research? Give details of heads of expenditure, financial allocation and actual utilization.

Sardar Patel University is a State University. Maintenance Grants received from the state government is utilized for creating research infrastructure in the departments, maintenance of research laboratories and purchase of chemicals, glassware and laboratory equipments. The DST funding under PURSE programme, the funding under UGC-SAP, DST-FIST, collaborative projects with industry and research projects received by the faculty from various central funding agencies like UGC, DST, DBT, CSIR, MoEF and state funding agencies such as GUJCOST and GSBTM support research activities in the University

3.1.8 In its budget, does the university earmark funds for promoting research in its affiliated colleges? If yes, provide details.

Yes, Seed money policy is available to affiliated colleges for promoting research.

3.1.9 Does the university encourage research by awarding Post-Doctoral Fellowships /Research Associateships? If yes, provide details like number of students registered, funding by the university and other sources.

The University encourages research fellows to continue their research work after obtaining their PhD degree as Post-Doctoral Fellows. Though the University has no provision to sanction financial assistance to Post-Doctoral Fellows, it encourages them to apply for various funding agencies like UGC and CSIR to obtain fellowships. Once they obtain a fellowship grant they are given infrastructural support. Support was also provided through DST-PURSE programme to a number of students. A total of 11 students received postdoctoral fellowship in the University. University funded research associate-ship of eight fellows during 2012 to 2015 and total amount of ₹17,38,000 was disbursed as fellowships from DST-PURSE grant received during this period.

(Please see Annexure-12: for the Details of Post-Doctoral/Research Associates in Departments)

www.spuvvn.edu/iqac/rar16/annexures/ann-12.pdf

3.1.10 What percentage of faculty have utilized the sabbatical leave for pursuit of higher research in premier institutions within the country and abroad? How does the university monitor the output of these scholars?

Yes, Provision is available in University rules accordingly, a few faculty members utilized the sabbatical leave to pursue higher research in premier institutions like IISc, Bangalore, Genome Research Centre, MS University of Baroda as well as abroad under the Indo-Hungarian Educational Exchange Programme and WF James Chair Professor of Pure and Applied Sciences.

3.1.11 Provide details of national and international conferences organized by the university highlighting the names of eminent scientists/scholars who participated in these events.

Sardar Patel University organized 86 seminars/conferences/workshops of National and international level **(Please see Annexure-13 for Details.)**

www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

Many eminent scholars attended these programmes and delivered talks. To mention a few notable among them:

- **Prof P Balaram**, IISc, Bangalore on Mass Spectroscopy
- **Dr Howard Bath,** Children's Commissioner Northern Territory, Australia, delivered a talk on "Response Ability- How to Build"
- **Mr Samuel Mammen,** Program Manager/Certified Response Ability Pathways Trainer, Oakhill Boys Ranch, Edmonton, Canada: "The Circle of Courage –Programme Overview and Evidence Base"
- **Mr Raghunath Medge**: President, Mumbai Dabbawala Association- "Work is Worship"

The number of the Seminars/Conferences/Workshops/Programmes organized by Sardar Patel University departments are as follows:

Department	2010-11	2011-12	2012-13	2013-14	2014-15
Biosciences	01	-	-	-	-
Chemistry	02	-	02	-	01
CISST	-	01	01	01	02
Home Science	-	01	-	01	-
Material Science	02	01	02	01	-
Pharmaceutical Science	01	01	-	01	-
Physics	-	01	-	01	-
Statistics	01	-	-	01	-
Business Studies	05	02	03	02	01

Department	2010-11	2011-12	2012-13	2013-14	2014-15
Economics	-	02	-	02	01
English	01	02	01	01	-
Gujarati	-	-	01	-	-
Hindi	01	-	-	01	-
Sanskrit	-	-	01	01	-
History	01	01	-	01	-
Political Science	-	-	-	01	01
Psychology	-	-	01	01	01
Social Studies	03	01	03	04	03
Sociology	-	-	02	01	01
MBA	01	01	01	01	02
TOTAL	**19**	**14**	**18**	**22**	**13**

3.2   RESOURCE MOBILIZATION FOR RESEARCH

3.2.1   What are the financial provisions made the university budget for supporting students' research projects?

The MSc Students are encouraged to undertake dissertation projects as a part of their curriculum with a weight-age ranging from 10 to 25 credits either as an elective course or as a core course, mainly during fourth semester of their Master's degree programme. The expenses towards their recurring and analytical needs or hiring services are met from respective department's laboratory expenses budget. The list of students who have pursued research projects during their MSc Programme is given as Annexure-14.

(**www.spuvvn.edu/iqac/rar16/annexures/ann-14.pdf**)

Whenever project requires a student to travel for sample collection, survey or field work, University allows such activities with required financial support.

3.2.2   Has the university taken any special efforts to encourage its faculty to file for patents? If so, how many have been registered and accepted?

Teachers are encouraged to patent their research findings few teachers from science faculty of university have filed patent applications listed below and are waiting for the completion of the process. University is providing Financial supports to faculties to file for patents from University own fund.

Sr. No.	Name of Faculty member/s and department	Title of patent	National/ International	Status Filed/ granted	File no./patent grant no and date
1.	Dr RB Subramanian, Department of Biosciences	Process for purifying L-asparaginase from Asparagus officinale	National	Filed	592/DEL/ 2009
2.	Dr KC Patel, Department of Biosciences	Process for the production of a yellow antioxidant pigment from the fungus Colletotrichum	National	Filed	3267/DEL/ 2014
3.	Dr Datta Madamwar, Department of Biosciences	Sophorolipids as enzyme inducers	International	Filed	2007
4.	Dr SS Soni, Department of Chemistry.	Substitude carbazole based dyes for dye sensitized solar cells & other opto-electronic devices	National	Filed	2609/MUM/2013
5.	Dr Kiran Kalia, Paridhi Kalia, Ronak Arora, Richa Gupta	The development of spion conjugated tetracycline hydrochloride coated gtr membranes.	National	Filed	1653/MUM/2013
6.	Dr Amita R Shah, Dr Madhuri Narra, Dr Garima Dixit and B. Velmurugan	Enzymatic hydrolysis of biomass	National	Filed	573/MUM/2015

3.2.3   Provide the following details of ongoing research projects of faculty:

The faculty members of post graduate departments of this university have exhibited their enthusiasm in research and development activities and are very active in approaching external funding agencies for getting their research proposals sponsored. The list of ongoing externally funded research projects is as follows:

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount (in ₹)	Duration
Department of Biosciences				
Prof Datta Madamwar	Molecular assessment of bacterial community structures of long term oil contaminated soil and screening of lipase producers for lipase production and their application in ester synthesis in organic solvents.	UGC, New Delhi	13,80,000	2013-16
Prof Datta Madamwar as Coordinator with Dr RB Subramanian & Dr Hareshkumar Keharia	Molecular and '-omics' technologies to gauge microbial communities and bioremediation of xenobiotic contaminated sites.	DBT, New Delhi	3,07,73,000	2010-16
Prof Datta Madamwar and Dr Imtiyaz Hassan, JMI	Folding and stability of naturally truncated photosynthetic pigment C-phycoerythrin from cyanobacteria *Phormidium tenue.*	DST, New Delhi	2,83,000	2012-15
Dr RB Subramanian and Dr Bushra Jarullah, Kadi Sarva Vishwavidyala, Gandhinagar	Phenotyping and molecular screening of tomato germplasm for resistance to Tomato Yellow Leaf Curl Virus from agro-climatic regions of Gujarat.	GSBTM, Govt. of Gujarat	7,43,968	2013-16
Prof Kiran Kalia	Association of Single Nucleotide Polymorphisms with Type 2 Diabetes and Diabetic Retinopathy in Western Indian Population	UGC New Delhi	13,27,800	2013-16
Prof Datta Madamwar and Dr Karthikeyan, GUIDE, Bhuj.	Ecological perspective of rann of Kachhchh studies on Physio Chemical and Microbial community structure of Soil	DBT New Delhi	78,99,600	2014-17

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount (in ₹)	Duration
Dr Mrs Amita R Shah and Prof Datta Madamwar	An integrated approach for the development of microwave system for pretreatment of lignocellulosic biomass for cellulolytic enzyme and bioethanol production.	DBT, New Delhi	23,70,000	2014-17
Department of Chemistry				
KR Surati and Dr PK Iyer, IIT Guwahati.	Highly efficient Phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs: Fabrication and it's Application	DST, New Delhi	25,92,555	2013-15
KR Surati	Novel Coordination Compounds Derived From Pyrazolone Schiff Base and Transition Metal Ions: Design, Synthesis, Characterization and Biological Activities Investigations"	UGC, New Delhi	8,54,800	2012-15
SS Soni	Development of Water based polymer gel electrolytes for advanced devices	DST, New Delhi	25,40,800	2013-16
SS Soni	Scaling up of the dye-sensitized solar cell fabrication.	DST, New Delhi	87,58,816	2014-16
KR Surati	Highly efficient phosphorescent mixed ligand complexes for OLEDs: Fabrication and it's application.	GUJCOST, Gandhinagar	2,20,000	2014-16
Department of Home Science				
Ms Viraj Roghelia	Haematinic effect and antioxidant activity of cactus pear fruit (O*puntia Ficus- Indica)*".	UGC, New Delhi	3,25,000	2014-16

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount (in ₹)	Duration
Department of Physics				
Dr NK Bhatt (PI)/ Prof AR Jani (CI)	Vibrational response and phase transition in certain non-simple metals and alloys covering wide range of densities	UGC, New Delhi	6,82,800	2013-16
Prof MP Deshpande	Synthesis and characterization of V_2- VI_3 compound in single crystal/nanomaterial/thin film forms.	UGC, New Delhi	11,16,800	2013-16
Department of Statistics				
Dr MB Bhatt	Inferential Problems on non-regular (truncated parameter) family of distributions.	UGC, New Delhi	11,95,800	2013- 16
Department of Gujarati				
Dr SD Rathwa	A comparative study of a Bhili Epic Rom-sitmani Varta and Valmiki Ramayana: A cultural aspect.	UGC, New Delhi	1,66,000	2014-16
Department of MSW				
Dr SD Mishra	Spatial and Regressional Analysis of Determinants of Declining Juvenile Sex Ratio in Urban Gujarat with Spatial refernce to 3 Distrcits - Mehsana, Gandhinagar and Surat.	UGC, New Delhi	8,34,300	2013-15
Department of Psychology				
Prof SM Makvana	To Study Fear Of Death And Well-Being With Reference To Diabetes Challenger.	UGC, New Delhi	1,45,000	2014- 16
Dr SN Pathak	A comparative study of emotional maturity self concept and Psychological well being of tribal secondary higher school students.	UGC, New Delhi	1,65,000	2014-16

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount (in ₹)	Duration
Department of Sociology				
Dr RH Makwana	An impact of tribal-sub plan scheme on the tribal community: A sociological study	UGC, New Delhi	8,02,100	2013-15
		Total	**6,39,35,139**	

3.2.4 Does the university have any projects sponsored by the industry/ corporate houses? If yes, give details such as the name of the project, funding agency and grants received.

The faculty members are encouraged to undertake industry sponsored research projects. The faculty members at Department of Biosciences have undertaken eight industry sponsored research projects and have details of these projects are listed below:

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount (in ₹)	Duration
JSS Mohan	Evaluation of Physiological Effects of Pyraclostrobin 20% WG in Zea mays L.	BASF India Pvt. Ltd.	1,10,000	2010-11
RB Subramanian	An investigation on the effect of Pyroclostrobin on physiology and growth of Gossypium hirsutum	BASF India Pvt. Ltd.	1,39,000	2011-12
JSS Mohan	Evaluation of physiological effects of Pyraclostrobin 20% WG on Corn. (PI)	BASF India Pvt. Ltd.	1,39,700	2011-12
JSS Mohan	Evaluation of physiological effects of Pyraclostrobin 20% WG on Groundnut. (PI)	BASF India Pvt. Ltd.	1,39,700	2011-12
RB Subramanian	Effect of sequential applications of Headline 20% WG and Cabrio Top 60% WG on growth and physiology of Gossypium hirsutum (Cotton)	BASF India Pvt. Ltd.	1,98,000	2012-13
JSS Mohan	Evaluation of Physiological Effects of Headline 20% WG in corn (Zea mays L.)	BASF India Pvt. Ltd.	1,98,000	2012-13

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount (in ₹)	Duration
JSS Mohan	Evaluation of physiological effects of Pyraclostrobin 20% WG on Groundnut. (PI)	BASF India Pvt. Ltd.	1,98,000	2012-13
JSS Mohan	Evaluation of physiological effects of Headline 20% WG on Corn.	BASF India Pvt. Ltd.	2,42,000	2013-14
RB Subramanian	An investigation on the effect of Headline 20% WG and cabrio top 60% WG on physiology and growth of Gossypium hirsutum under water stress	BASF India Pvt. Ltd.	2,42,000	2013-14
JSS Mohan	Evaluation of physiological effects of Pyraclostrobin 20% WG on Groundnut. (PI)	BASF India Pvt. Ltd.	2,42,000	2013-14
JSS Mohan	Evaluation of physiological effects of Pyraclostrobin 20% WG on Groundnut. (PI)	BASF India Pvt. Ltd.	2,75,000	2014-15
JSS Mohan	Evaluation of physiological effects of Opera 183g/l SE on Banana. (PI)	BASF India Pvt. Ltd.	2,75,000	2014-15
RB Subramanian	An investigation on the effects of Cabrio Top - 60% WG on growth and phsiology of Tomato (solanum lycopersicon)	BASF India Pvt. Ltd.	3,19,000	2014-15
RB Subramanian	An Investigation on the effect of Xcelora 50% FS and Standak Top 500 g/L FS in combination with Opera 18.3% SE on physiology and growth of maize (*Zea Mays L.*)	BASF India Pvt. Ltd.	2,75,000	2015-16
JSS Mohan	Evaluating the BASF fungicide package of practices: Seed treatment and foliar spray in groundnut for physiological effects and yield	BASF India Pvt. Ltd.	2,75,000	2015-16

The total amount of funding received from above industry sponsored projects is ₹**32,67,400** over a period of last five years.

3.2.5 **How many departments of the university have been recognized for their research activities by national/international agencies (UGC-SAP, CAS, DST-FIST, DBT, ICSSR, ICHR, ICPR, DAE-NBHM etc.) and what is the quantum of assistance received? Mention any two significant outcomes or breakthroughs achieved by this recognition.**

The following departments are supported by UGC-SAP, CAS, DST-FIST, DBT etc.

Type of recognition	Amount sanctioned (in ₹)	Duration	Major Equipments
Department of Biosciences			
UGC-SAP	47,50,000	2007-12	1. Microlog workstation 2. Herbarium Cabinates and Computer software 3. Solid module for TOC analyzer 4. Rotary microtome
DST-FIST	71,00,000	2009-14	1. Gel Documentation system 2. Ultramicrotome 3. Fluorescent microscope 4. Gradient PCR 5. Fermenter accessories
UGC-CAS	2,47,00,000	2015-20	1. Near ultracentrifuge 2. FTIR 3. Ion chromatography
Department of Chemistry			
UGC-CAS	1,33,08,000	2011-16	1. CHNS /O-Analyser 2. Computer cluster 3. Spectrophotofluorometer
DST-FIST-II	38,00,000	2010-15	Simultaneous Thermal Analyzer (DSC-TGA) Q-600, TA instruments, USA
Home Science			
UGC-SAP-DRS-I	75,00,000	2010 -15	1. Auto analyser, Roche Diagnostic India. 2. Spectroflourimeter, Hitachi, India
UGC-Innovative programme on Nutri-	58,00,000	2010-15	1. Deep Freezer(-80°C), IB Scientific, India 2. Real Time –PCR, Roche, India

Type of recognition	Amount sanctioned (in ₹)	Duration	Major Equipments
genomics			3. Thermal Cycler, Eppendrof, India 4. Sonicator, Sonics & materials, INC, USA
Govt. of Gujarat, Innovative programme on Food Designing and Quality Assurance	39,50,000	2010-15	1. Gas Chromatography-606, Sigma Instruments, India 2. Food colour measurement system, Colourflex, IR Technology, India 3. Texture analyser, Brookfield, India 4. Digital Polarimeter, Rudoph, India. 5. Water activity meter, Empire Enterprise, India
Department of Materials Science			
UGC-CAS-II	1,06,00,000	2009-14	-
Department of Mathematics			
UGC – SAP – DRS II	59,75,000	2009-14	Not applicable
DAE – NBHM Regional Library in Mathematics (Western Region)	1,50,00,000	2010-15	Not applicable
Department of Physics			
DST-FIST	1,35,00,000	2006-11	Single crystal diffractometer
UGC-SAP	85,00,000	2012-17	1. Zeta Sizer nano s-90 2. Photoluminescence spectromerter 3. Potentiostat/Galvonostat 4. Schrodinger software 5. PDXL Qualitative Service Software
Department of Statistics			
UGC-SAP-DRS I	31,50,000	2009 -14	-
UGC-SAP-DRS II	82,00,000	2015 -20	-

Type of recognition	Amount sanctioned (in ₹)	Duration	Major Equipments
Department of Business Studies			
UGC-SAP	40,00,000	2013-18	-
Department of Economics			
UGC-CAS-I	50,50,000	2011-16	Photo copying machine, Personal Computers and Printers.
Department of MBA			
UGC-SAP-II	33,00,000	2011-16	Printers
Department of English			
UGC-SAP-DRS-II	30,00,000	2009-14	1. Photocopier 2. Computers and Printers 3. Handycam
Department of Gujarati			
UGC-SAP	25,00,000	05 years	1. Computer 2. Standing camera for library 3. Electronic smart board 4. Xerox machine 5. Scanner etc.

Significant outcomes and breakthroughs achieved:

The financial assistance from such agencies has been utilized to develop better infrastructure and recurring support to faculty members and students for their research, which resulted in improvement in number and quality of publications. On the basis of publications of Science faculty of our University, Department of Science and Technology selected our University for financial assistance under Purse programme. The funds received under Purse programme by DST were utilized to establish a Centre for Interdisciplinary Studies in Science and Technology (CISST).

Four departments (Department of Biosciences, Department of Chemistry, Department of Material Science and Department of Economics) have been recognized as Centre for Advanced Studies by UGC during last five years. Many departments are also inducted into special funding under DRS/SAP by UGC, New Delhi and FIST by DST, New Delhi.

3.2.6 **List details of**

- **Research projects completed and grants received during the last five years (funded by National/International agencies).**

List of completed and ongoing projects is given in Annexure-15.

www.spuvvn.edu/iqac/rar16/annexures/ann-15.pdf

The faculty members of the University have been actively engaged in research and development activities, which is evident from the number of major and minor research projects received.

Summary of major and minor research projects undertaken

Type of Project	Status	Source of Funds	Funds received/sanctioned (₹)
Major	Completed	External	8,00,87,329
	Ongoing	External	6,38,48,969
Minor	Completed	External	39,32,400
	Ongoing	External	12,08,000
Seed and interdisciplinary projects	Completed	SPU and DST_Purse Grants	30,45,000
		Total	**15,21,21,698**

- Inter-institutional collaborative projects and grants received

During last five years 10 Inter-institutional collaborative research projects have been undertaken of which thirteen have been completed and two are ongoing which are highlighted in the list of research projects. The total amount of funds generated from these projects is ₹**32,67,400**.

3.3 RESEARCH FACILITIES

3.3.1 **What efforts have been made by the university to improve its infrastructure requirements to facilitate research? What strategies have been evolved to meet the needs of researchers in emerging disciplines?**

The postgraduate departments of university are constantly striving to improve infrastructural facilities for teaching and research. As a consequence, the departments of sciences and social sciences received financial support from DST-FIST, UGC-SAP, UGC-CAS, CSIR project, DBT/CEIB, UGC XIth Plan, State Government Grant, COSIST, DAE-BRNS-PII programmes for infrastructure development. Major equipments in the research laboratories at Bioscience, have been procured through funding from National organizations for research and development such as UGC, DBT, DST and CSIR. The University

provides financial assistance for any excess cost of equipment, sanctioned by funding agency.

Sophisticated Instruments to conduct research have been procured by Biosciences, Chemistry, Physics, Electronics, Computer Science, Home Sciences, Material Science, Pharmaceutical Science, Library and Information Science under different schemes of various funding agencies. Details about the sophisticated instruments/equipments are given in **Annexure-16.**

www.spuvvn.edu/iqac/rar16/annexures/ann-16.pdf

Each faculty member and research scholar is provided with a computer with internet connection and a printer. A researcher can have access to INFLIBNET services through internet. Also, for MPhil and PhD students computers with these facilities are installed in the Departmental Library. For Postgraduate students there is a Computer Lab at departments with internet facility.

By and large our Departmental Library and experienced faculty members cater the needs of researchers. Postgraduate students and researches have been allowed to use any of the equipment and / services for the academic or research purpose, free of cost

3.3.2 Does the university have an Information Resource Centre to cater to the needs of researchers? If yes, details of the facility.

There is departmental library at each postgraduate department and central library at the university. About 530 Research Journals and magazines are subscribed in a two way viz. the hard copy and soft copy at each postgraduate department and at central library of the university. The head of department make recommendations for journals/e-resources and library subscribes them by following proper administrative procedure. Detail of Research Journals and Magazine Subscribed are given in **Annexure-17.**

www.spuvvn.edu/iqac/rar16/annexures/ann-17.pdf

Number of Soft copy of thesis uploaded on website and Sodhganga every year. The process of uploading PhD thesis was initiated during 2014-15 and total 633 theses have been uploaded by the library staff. Further uploading of PhD thesis is still going on.

The Departmental Library of Mathematics is NBHM Regional Library for Western zone. The library contains around 8,000 books on Mathematics and around 50 journals are subscribed. There is a separate reference section housing the back volumes of the reputed journals.

Library Portal: Library portal is the platform of academic websites which displays open sources and IP (Internet Protocol) authenticated publishers' websites and DELNET consortia. It helps students, researchers and faculty members to search information at one platform. The training (during orientation programme) for utility of library portal is provided to each newly enrolled Master's students in University every year by Library staff of University's Central Library. Single click gives the information of e-Books, e-Resources and bibliographic database. There is single window search system called JCCC for UGC INFONET consortia. INDCAT database and DELNET are bibliographic database of books, journals and non-book material by which Inter Library Loan services are being given. So, Library portal is the unique feature to cater the needs of students, researchers and faculty members.

http://www.spuvvn.edu/administration/service_centres/library/home.php

Central Library subscribes e-resources on the recommendations received from the Head of Department and Principal Investigator for its Projects.

3.3.3 **Does the university have a University Science Instrumentation Centre (USIC)? If yes, have the facilities been made available to research scholars? What is the funding allotted to USIC?**

University has a University Science Instrumentation Centre (USIC). USIC extends its services for fabrication of Gadgets as per the needs and requirements of Faculty members/Research Scholars in the field of Electrical/Electronics/Mechanical/ Glass Blowing/Vacuum Technology

USIC offers and caters to the maintenance of following kinds and types of Instruments

- Analytical Instruments (like Spectrophotometer, Colorimeter, Ph Meter)
- Process Control Instruments (like Temperature Monitors and Controllers)
- Test and Measuring Instruments (CRO's, Multimeters)
- Power Supplies (SMPS, DC Regulated Fixed/Variable Power Supply)
- Optical Instruments like Microscopes, Optical Mono Pan Balance, Single Pan Balance
- Computers, Monitors, TV's, UPS, CVT's, Servo Stabilizers
- Electrical Instruments (Oven, Magnetic Stirrer, Heating Mental, Incubators)
- Electro Mechanical Devices (Orbital/Rotary Shakers)
- Air Conditioners, Refrigerators, Water Coolers, Deep Freezers

- Repairs and fabrication of Glass Ware like Quartz Glass Ampoules (Fabrication and Sealing), Laboratory Glassware (Corning Glass) - Burettes, Condensers, Round Bottom Flask, Glass Stirrer, Measuring Flask, Chromatography Column, 3 neck RB Flask, Separating Funnel

USIC developed new prototypes during last five years.

- Developed & Fabricated @18 Tissue Culture Racks.
- Designed, Developed and Fabricated a state of the Art LED based Variable Intensity/Variable Wavelengh Configurable Tissue Culture Rack with Power measurement and Timer for GAU – Khetiwadi worth ₹1,02,500.

The details of funding allotted to USIC and revenue generated is tabulated below:

Funds allotted and Revenue generated					
Budget Head	**2010-2011**	**2011-2012**	**2012-2013**	**2013-2014**	**2014-2015**
Repair& Maintenance of Equipment	1,00,000	1,00,000	1,00,000	1,00,000	1,00,000
Consumable Articles	2,00,000	2,00,000	2,00,000	2,00,000	2,00,000
Consumables and Contingencies	1,00,000	1,00,000	1,00,000	1,00,000	1,00,000
Data Sheets, Reference Manuals	60,000	60,000	30,000	30,000	30,000
Seminar, Training / Meeting A/C	27,000	15,000	15,000	15,000	20,000
Instrumentation Maintenance	-	-	-	5,00,000	-
Electricity Charges	65,000	65,000	65,000	65,000	75,000
Total Budget allotted	**5,52,000**	**5,40,000**	**5,10,000**	**10,10,000**	**5,25,000**
USIC Service Charges (Revenue generated) (in ₹)	21,30,256	23,43,662	25,19,966	25,64,987	1,96,750

The USIC has been offering its services to constituent departments as well as Institutions affiliated to University as well as other Institutes in and around Anand district. The types of services include maintenance of scientific equipments as well as fabrication of small equipment and

apparatus through which it generates income which is mentioned under USIC service charges like consultancy head in above table.

3.3.4 Does the university provide residential facilities (with computer and internet facilities) for research scholars, post-doctoral fellows, research associates, summer fellows of various academies and visiting scientists (national/international)?

Research scholars/Post Doctoral Fellow/Research Associate/summer fellowship holders are provided accommodation in quarter at University Colony with necessary furniture. They are given access to computer and internet facility at their concerned postgraduate department. Visiting Scientists are provided accommodation at University Guest House or University Colony depending on the period of visit. The Guest house is equipped with computer and internet facilities.

3.3.5 Does the university have a specialized research centre/workstation on-campus and off-campus to address the special challenges of research programmes?

- The department of Biosciences has Department of Biotechnology sponsored Centre of Excellence in Biotechnology (DBT-CEIB) which was established in 2010.
- University has established CISST which houses sophisticated equipment pertaining to experimental sciences.

3.3.6 Does the university have centre of national and international recognition/repute? Give a brief description of how these facilities are made use of by researchers from other laboratories. (Provide details of analytical/library of services availed by the faculty/researchers from other Institutes/University).

Researchers from neighbouring institutes avail various instrumentation facilities of the several postgraduate departments. In particular, Material Sciences Department is being visited by researchers from National Institute of Pharmaceutical education and Research (NIPER), Central university of Gujarat, Gandhinagar, INDUS University, MS University of Baroda to use analytical equipments for their research. The department of Chemistry extends its facilities and generates fund out of analytical services.

NBHM Regional Library

The NBHM Regional Library in Higher Mathematics for the Western Region, a national facility being developed by the DAE, Govt of India is housed in Department of Mathematics. This is a National facility being continuously developed since 2000; and the Department has taken the

responsibility to serve the mathematics community through this facility. There are only 11 such libraries across India.

This regional library has received total Grants of ₹5 crores approximately till now and there are approximately 8,000 Books, 900 back volumes and 35 theses in the Library. Also about 1,200 books are under the process of cataloguing in the Central as well as Departmental Library. The library subscribes 50 journals which includes three journals are subscribed from the State Government Grants amounting to the tune of ₹2,00,000 **(Please see Annexure-18: for the List of Journals Subscribed under NBHM Programme).**

www.spuvvn.edu/iqac/rar16/annexures/ann-18.pdf

It also includes air-conditioned Library Hall with Reading Room with internet connectivity, reprographic facility and e-contents. The following services are provided by this regional library:

- Books are issued to the students on all working days including vacation.
- Library services provided to around 50 mathematicians outside through photocopying facility/visits to the library.

The Library services were extended to the participants of various meets and students on the campus.

Agro Economic Research Centre and Cost Cultivating Scheme

The agriculture sector is considered as the backbone of Indian economy. From the very beginning of the planning process, the policy makers and planners in India have given high priority to the development of this sector. For better understanding of Indian agriculture, the Agro-Economic Research Centres (AERCs) were established in various agro-climatic regions of the country.

Agro-Economic Research Centre (AERC), Vallabh Vidyanagar was established in 1961 at Sardar Patel University by the Ministry of Agriculture, Government of India to carry out research in agricultural economics in the states of Gujarat and Rajasthan. The Centre is fully funded by the Ministry of Agriculture, Government of India, and it operates under the administrative controller of Vice-Chancellor. This is one of the 15 AERC Centres/Units established by the Government of India.

The Agro-Economic Research Centre (AERC) for the states of Gujarat and Rajasthan was established in July 1961 at the Sardar Patel University, Vallabh Vidyanagar by the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, New Delhi. It was late Shri HM Patel (ICS retd.) who not only provided the vision for establishing such an Institute but also ensured the much needed support and encouragement for its growth at Vallabh Vidyanagar. AERC has been working as an associate institution of Sardar Patel University and enjoying autonomy status in its working. The Centre has completed 54 glorious years (1961-2015) of its journey marked by both achievements and challenges. During these years, the Centre has emerged as a strong policy feedback centre of the Ministry of Agriculture, Government of India due to hard work and strong commitment of the staff in the Centre. The focus of research effort in the initial stage was on comprehensive village surveys and re-surveys in order to understand the process and direction of change at the village level. Subsequently, the emphasis of research has shifted to problem oriented studies.

The Centre has by now completed 159 problem-oriented studies, 21 village surveys and 4 village resurveys. Most of these research projects have been taken up by Centre on the recommendation of the Government of India and State Governments of Gujarat and Rajasthan. Some of the projects have also been sponsored by other national and international organizations. During its long journey, the Centre has brought remarkable improvement in every aspects of research including methodological base of the studies. The studies have come out with useful findings and policy implications for agricultural and rural development of the states of Gujarat and Rajasthan. Many seminars and conferences were organized by the Centre (jointly with Department of Economics) during these years. Since 1970, the Centre has been also organizing the work of Comprehensive Scheme to Study Cost of Cultivation of Principal Crops in Gujarat entrusted to the Sardar Patel University by the Ministry of Agriculture, Government of India. Ever since its inception, the Centre has been working in close collaboration with the Post-graduate Department of Economics of the Sardar Patel University and so far it has helped/supported about 40 scholars to successfully complete their PhD work in agricultural economics.

The principle objectives of the Centre have been as follows:

- To make continuous study of the change in rural economy by means of surveys of villages each year, to be repeated after an interval of five years.

- To conduct adhoc investigation on problems of interest to the Ministry of Agriculture and Irrigation and the State Governments under their jurisdiction.
- To undertake research on fundamental problems relating to the agricultural economy of the country.
- To give technical advice to the Government of India and to the state Governments on such important issues as with mutual agreement, may be referred to the centre.
- The Area of Coverage of the Centre includes states of Gujarat, Rajasthan and UT of Dadra and Nagar Haveli

Women's Studies Centre

The identification of priorities for Women's Studies Centre at Sardar Patel University is based on the fact that the university is a rural-based one established with the aim of uplifting the educational level of the local population, neighbouring towns and interior villages. Proximity to urban settings such as Baroda and Ahmedabad has led to greater exposure in a section of the local female population here while the other half remains largely backward in all respects. In this background, the major aim and objective of the centre is capacity building in women.

Two categories have been identified namely the educated and employed women and the second group comprising of unemployed women, college goers, teens etc. ranging from the literate to the illiterate. The centre aims at capacity building in the educated, employed woman with regard to managerial abilities such as communication skills, administrative skills, confidence building etc. and along with this facilitating support systems such as research, day-care-centres, old age homes etc. on one hand and on the other, the centre will focus upon entrepreneurship skill building in unemployed women from a slighter wider age group such as adolescents, college girls, housewives and others from different SES. This broadly includes areas such as fabric embellishment including tailoring, popularization of khadi garments, as well as exploring entrepreneurship opportunities through home catering and services etc. Computer literacy has also been identified as an essential skill, which needs to be imparted to women.

Community Science Centre

The Community Science Centre (CSC) was established on 8th of June 2004, and was initially housed in the Department of Physics SPU Vidyanagar. The Centre got its present name after a generous donation of ₹26 Lakhs by Shri Chunibhai Chandubhai Patel (Kotastonewala) of Karamsad. The Centre has been recognized as the Anand District Community Science Centre by the Gujarat Council on Science &

Technology (GUJCOST) Department of Science & Technology govt. of Gujarat, Gandhinagar. The CSC was moved to its present premises in 2007, and has also seen an expansion in terms of infrastructure and facilities as well as scientific activities and programmes spread over the Anand District. This is the only CSC being run under a University set-up in Gujarat.

The Centre works with a broad vision and aim of taking science to people and bringing people to science. Our mission is to create interest, enthusiasm and awareness in science including mathematics, by working for students, teachers and common public. We motivate students and teachers to inculcate and bring out creativity through informal and non-formal programmes. Every opportunity is explored to interact with them to discuss matters and issues related to Science, technology and our development. Regular activities are carried out to support Science and Mathematics education especially in schools in Anand, district. It has also been our objective to collaborate with individuals and institutions in the above tasks, true to the spirit of a Community Science Centre.

Centre aims to carry out almost 175 activities and programmes during a year i.e. about 200 available working days, as per the GUJCOST guidelines. For more details visit:

http://www.spuvvn.edu/academics/academic_centres/community_science_centre/introduction

UGC - Human Resource Development Centre (UGC-HRDC)

The HRDC's main philosophy is to keep in mind that the teacher is central to the system. While it is universally accepted that the teacher is the pivot of the educational system, our system does not provide adequate opportunities for their professional development. It is, therefore, necessary to develop inbuilt mechanisms to provide opportunities for teachers within the framework of knowledge society. It is also accepted that a teacher must not be confined only to transmitting information; she/he must also orient students to meet the challenges of life, to not merely become a trained professional, but also a better citizen.

It was believed in the past that a college/university teacher learnt the 'art' of teaching on the job by emulating outstanding models such as his/her own teachers or senior colleagues. The stock-in-trade of the college/university teacher has always motivated the students. Today, it is no longer possible to expect a newly appointed teacher to acquire the 'art' of teaching by emulating his/her peers.

The Functions of HRDC are to plan, organize, implement, monitor and evaluate orientation courses for newly appointed college/university lecturers within the jurisdiction of one or more universities in a state. An ASC also organizes refresher courses for serving teachers, and orientation programmes for senior administrators and heads of department, principals, officers etc.

In a span of five years, 31 orientation programmes, 38 refresher courses 17 short term courses, 5 Interaction Programme for Ph D students, 2 Principals' meet and 4 capability enhancement programme have been organized successfully. In all, 97 different programmes involving 2,518 participants have been organized up till now. 818 eminent professors and more than 20 former/seating Vice Chancellors visited our college as resource persons. Being a separate autonomous entity of UGC and located on the University Campus, the centre has received the NAAC accreditation in May 2012. In addition to the regular activities, the teaching staff members of the UGC-HRDC-SPU are also contributing to teaching and research in the parent departments of the university. The HRDC strives to achieve excellence in the field of providing training to the teaching and administrative staff of the colleges and universities across India.

The activities of HRDC during last five years are summarized below:

Year	OC[*]	RC[*]	STC[*]	Other Programmes	local participants	Outstation participants	Total Participants
2010-11	05	02	02	02	150	114	264
2011-12	06	05	03	02	182	196	378
2012-13	05	08	01	02	166	190	356
2013-14	06	08	04	03	251	231	482
2014-15	05	10	05	02	184	454	638

[*] RC-Refresher Course; OC-Orientation Course; STC-Short Term Course.

For more details visit **www.hrdcspu.ac.in/gallery.aspx**

Institutional Repository

Knowledge Repository (DSpace) is a Digital Institutional Repository where the digitized content is available. As a first step towards Digital Library, the department of Library and Information of Sardar Patel University has digitized "Gyan Gangotri" a rare University publication of encyclopaedic nature divided into 34 volumes and grouped in subject clusters of Humanities, Social Sciences and natural Sciences. The Department aims to digitize some more publications of the University,

PhD thesis and other intellectual resources make them available through DSpace. **http://172.16.120.118:8080/jspui/**

Indian Diaspora Centre

Postgraduate Department of Sociology has UGC sponsored Centre for Indian Diaspora under which various research studies have been conducted and seminars have been organized. Department also published three books out of studies carried on Indian Diaspora.

Sr. No.	Title of Book	Publisher	Year of publication	Name of editor/s (if any)	ISBN
1	Indian Diaspora in National and Regional Context	University Press, SPU	2012	Dr JM Trivedi	978-93-81386-06-4
2	Indian Diaspora in Various Perspectives (in English)	University Press, SPU	2013	Dr HN Patel	918-93-81386-22-4
3	Indian Diaspora and its Contribution : Indian and Abroad (in English)	University Press, SPU	2013	Dr HN Patel	978-93-81386-33-0

3.4 RESEARCH PUBLICATIONS AND AWARDS

3.4.1 Does the university publish any research journal(s)? If yes, indicate the composition of the editorial board, editorial policies and state whether it/they is/are listed in any international database.

University publishes five journals. The details of them along with its composition of editorial board, editorial policies etc. are as follows;

- Journal of Education and Psychology (Published by PG Department of Education) ISSN No. 0022-0590; OCLC No. 1782870.
- Arth Vikas - Journal of Economic Development (Published by PG Department of Economics) ISSN: 0004-3567.
- Prajna: Journal of Pure and Applied Sciences (Basic Science), ISSN No. 0975-2595; Indexed in Indian Science Abstracts.
- Prajna: Journal of Humanities, Social Sciences and Business Administration, ISSN No.2250-0901.
- "SYNERGY": A Journal of Management (Published by Business Studies Department and MBA) ISSN No. 0973-922X.

According to University Handbook, the composition of Editorial Board is as follows:

- The Vice-Chancellor
- Deans Of faculties
- Eight persons appointed by the syndicate whom at least one should be principal of one of the members of the Board of Post-Graduate Studies and Research.

Tenure of the members: The term of office of the members appointed under (iii) shall be analogous to the term of the syndicate appointing such members.

In addition, University Library's publication division publishes selected PhD thesis in form of books and in last five years 43 books have been published under this scheme.

PhD thesis published in form of books by University Library during last five years

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015
Number of Books published	11	13	-	10	09
Amount Utilized (in ₹)	2,20,000	2,60,000	-	2,00,000	1,80,000

3.4.2 Give details of publications by the faculty:

The statistics of the literature published by faculty members of University during last five years is tabulated below:

	Science and Home Science	Social Sciences, Humanities and Languages
Number of papers published in peer reviewed journals (national/international)	**977**	**319**
Chapters in Books	**29**	**25**
Books edited		**36**
Books with ISBN with details of publishers	**17**	**54**
Citation Index - average:	**4.61**	**NA**
Cumulative Impact Factor - range / average:	**Range : 0 – 13 (Avg. = 1.82)**	**NA**
h-index : (Avg.)	**20***	

* According to Web of Science

(The Details of Publications is given as Annexure-19 and Chapters in Books, Books (Edited) and Books Published are given in Annexure-20)

http://www.spuvvn.edu/iqac/rar16/annexures/ann-19.pdf

www.spuvvn.edu/iqac/rar16/annexures/ann-20.pdf

3.4.3 Give details of

Faculty serving on the editorial boards of national and international journals

Twenty nine faculty members of University have been serving on editorial boards of national and international journals. The details are given in table below:

Sr. No.	Name of the faculty	Name of Journal	National/ International	Position
1	Dr Suresh M Makvana	The International Journal of Indian Psychology	International	Editor in-Chief
2	Prof RP Patel	Synergy	National	Chief Editor
3	Prof Datta Madamwar	Bioresource Technology	International	Editorial board member
		Current Biotechnology	International	Editorial Board Member
		Special Issue BIOCATALYSIS of Bioresource Technology	International	Guest Editor
4	Prof NV Sastry	International Journal of Industrial Chemistry and Biotechnology	International	Editorial board member
		Organic Synthesis and Medicinal Chemistry	International	Editorial board member
		International Journal of Physical Sciences	International	Editorial board member
		Journal of Indian Council of Chemists	National	Editorial board member
5	Dr Dayashankar Tripathi	PRAGNA	National	Chief Editor
		Sahitya Parivar	National	Editorial board member
6	Dr RA Vasant	Journal of Intercultural Ethnopharmacology	International	Editorial board member
		Journal of Experimental & Integrative Medicine	International	Editor board member

Sr. No.	Name of the faculty	Name of Journal	National/ International	Position
7	Dr PV Virparia	National Journal of System and Information Technology	National	Editor board member
		International Journal of Research and Reviews in Information Security and Privacy	International	Editor board member
		Research@ICT: International Journal of Information and Computing Technology	International	Editor board member
		International Journal of Computer Applications	International	Editor board member
		National Journal of Engineering and Science : Editorial Board	National	Editor board member
		International Magazine on Advances in Computer Science and Telecommunications	International	Editor board member
8	Dr DB Choksi	PRAJNA	National	Editor board member
		National Journal of Computer Science & Technology (NJCST)	National	Editor board member
		International Journal of Computer Science & Systems	International	Editor board member
		RESEARCH@ICT: International Journal of Information and Computing Technology	International	Editor board member
		International Journal of Research Issues in Computing Sciences (IJRICS)	International	Editor board member
9	Dr PS Sajja	International Journal of Computer Science & Applications, India	International	Editor board member
		International Magazine on	International	Editor board

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Sr. No.	Name of the faculty	Name of Journal	National/ International	Position
		Advances in Computer Science and Telecommunications, Republic of Macedonia		member
		International Journal of Computational Intelligence Techniques, UK	International	Editor board member
		INFOCOMP Journal of Computer Science, Brazil	International	Editor board member
		Research@ICT: International Journal of Information and Computing Technology, India	International	Editor board member
		International Journal of Data Mining and Emerging Technologies	International	Editor board member
10	Dr HJ Panchal	Journal of computational intelligence and electronic systems	International	Editor board member
11	Prof D Lakshminarayana	PRAJNA - Journal of Pure and Applied Sciences	National	Editor board member
12	Dr Rema Subhash	PRAJNA	National	Editor board member
13	Dr Namrita Kola	Asian Journal of Home Science	International	Editor board member
14	Dr Vinayak H Patel	Pragati: Compilation of Researches in Home Science	National	Editor board member
15	Prof LM Manocha	Bulletin of Carbon Science(Korea)	International	Editor board member
		Russian Journal composites and Nanostructures	International	Editor board member
		Eurasian-Techno chemical journal of chemical Science	International	Editor board member
16	Dr (Miss) RH Patel	Journal of Materials Science	International	Editor board member
17	Prof SJ Bhatt	Mathematics Today	National	Editor board member

Sr. No.	Name of the faculty	Name of Journal	National/ International	Position
		Banach Journal of Mathematics	International	Editor board member
		Mathematics Student	National	Editor board member
18	Dr HV Dedania	Banach Journal of Mathematics	International	Editor board member
19	Prof AB Patel	Mathematics Today	National	Editor board member
20	Prof AH Hasmani	Mathematics Today	National	Editor board member
21	Prof HP Trivedi	Vidyapeeth Samayik	National	Editor board member
		International Journal of Multi-Disciplinary	International	Editor board member
		Artha Vikas-Journal of Economic Development	National	Managing Editor
22	Dr JM Trivedi	KCG e-journal of social sense	International	Chief Editor
23	Prof DJ Chauhan	Artha Vikas-Journal of Economic Development	National	Managing Editor
24	Dr Sonal Bhatt	Artha Vikas-Journal of Economic Development	National	Assistant Editor
25	Prof NP Patel	PRAJNA	NATIONAL	Editorial board member
26	Dr HN Patel	Prajna,Research Journal, SP University	National	Editorial board member
		International Journal of Interdisciplinary Approaches	International	Editorial board member
		Samaj Veeganiki	National	Editorial board member
		Samajgosti	International	Editorial board member
27	Dr RH Makvana	A Journal of Asia for Democracy and Development: A Quarteriy Journal of Social Sciences	National	Editorial board member
28	Dr IM Macwan	Ideal research an international Multi disciplinary e-journal	International	Editorial board member

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Sr. No.	Name of the faculty	Name of Journal	National/ International	Position
29	Dr Shivani Mishra	Journal of Social Welfare and Management	International	Editorial board member
		International Journal of Scientific and Engineering Research, Houston, Texas, USA	International	Editorial board member

Faculty serving as members of steering committees of international conferences recognized by reputed organizations/societies

Sr. No.	Name of Department	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Year
1	Biosciences	Prof Datta Madamwar	Advisory Committee Member	International Conference on Industrial Biotechnology at Patiala, India	Biotech Research Society of India (BRSI)	2012
2	Biosciences	Prof Datta Madamwar	Advisory Committee Member	International Conference on 'Advances in Biotechnology & Bioinformatics at Pune, India	BRSI	2013
3	Biosciences	Prof Datta Madamwar	Advisory Committee Member	International Conference on Emerging Trends in Biotechnology (ICETB-2014) at Delhi, India	BRSI	2014
4	Biosciences	Prof Datta Madamwar	Advisory Committee Member	Third Global Sustainable Biotech Congress at Jalgaon, India	Global Biotech forum	2014
5	Biosciences	Prof Datta Madamwar	Advisory Committee Member	International Conf. on New Horizons in Biotechnology at Trivandrum, Kerala, India	BRSI	2015

Sr. No.	Name of Department	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Year
6	Biosciences	Prof Datta Madamwar	Advisory Committee Member	International Conference on Recent Trends in Applied Sciences: Building the Institutional and Industrial Avenues (ICRTAS-2015)	Charotar Education Society, Anand	2015
7	Mathematics	AH Hasmani	National Organizing Committee	International Conference on Differential Geometry and General Relativity	Department of Mathematics, Aligarh Muslim University, Aligarh and Tensor Society of India	Dec 2012
8	Mathematics	AH Hasmani	National Organizing Committee	International Conference on Recent Advances in Mathematics	Department of Mathematics, RTM Nagpur University, Nagpur	Jan 2013
9	Mathematics	AH Hasmani	National Organizing Committee	International Conference on Differential Geometry and General Relativity	Department of Mathematics, Gorakhpur University, Gorakhpur and Tensor Society of India	Nov 2014
10	Education	Dr KS Likhia	Member	Prabuddhan International Seminar	All India Association of	2013-14

Sr. No.	Name of Department	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Year
					Education Research, Gujarat Chapter	
11	Education	Dr MK Yagnik	Member	Prabuddhan International Seminar	All India Association of Education Research, Gujarat Chapter	2013-14
12	Education	Dr MA Chotalia	Member	Prabuddhan International Seminar	All India Association of Education Research, Gujarat Chapter	2013-14

3.4.4 Provide details of

- **research awards received by the faculty and students**

  The totals of 26 research prizes/awards have been received by faculty members and 58 research prizes have been received by research students of the University. The details of research prizes and awards received by the faculty members and PhD students are given in Annexure-21.

  www.spuvvn.edu/iqac/rar16/annexures/ann-21.pdf

- **national and international recognition received by the faculty from reputed professional bodies and agencies**

  Good numbers of faculty members have received awards and recognitions as mentioned below:

2010-11

- Prof Datta Madamwar conferred Fellow of Association of Microbiologists of India in 2010.
- Dr NJ Parmar received an India International Friendship society, New Delhi's SHIKSHA RATTAN Award.
- Dr MP Patel was awarded Shiksha Rattan Puraskard by India International Friendship Society, New Delhi on 21-01-2011 for Metitorious Services, Outstanding Perfomance and Remarakable Role in the field of Chemistry.
- Prof SJ Bhatt conferred Fellow of Indian Academy of Sciences since December 2009.
- Prof SJ Bhatt was also awarded Hans Raj Gupta Award by Indian Mathematical Society in the year 2010.
- Dr GM Deheri was awarded Dolar Rai Mankad Award (Saurashtra University) for Excellence Research in Science.
- Prof SH Chaki was awarded "Hari Ohm Ashram Prerit Shri Bhaikaka Inter University Smarak Trust" prize of Sardar Patel University for the year 2008-2009 in Materials Science subject for research paper entitled "Electrical Properties and Surface Microtopographic Studies of Tungsten Disulfide Single Crystals Grown by CVT Technique".
- Prof Ajit Thakor was awarded Sarswat Gaurava Sanman By Somanath Sanskrit University; Sep 2010 Veraval.

2011-12

- Prof LM Manocha was elected Vice-President of Gujarat Science Academy; Vice-President of Indian Carbon Society; Chairman of MRSI (Gujarat Chapter).
- Prof (Mrs) S Manocha received Sardar Patel International Award-2011 by International Sardar Vallabhbhai Patel Foundation for Life time Achievement in Excellence in Technology Development.
- Prof CK Sonara received Rashtra Gaurav Award – 2011 – By Yuva Samuh Prakashan, Agrasen Press, Shivaji Chowk, Vardha (Maharastra).

2012-13

- Prof Datta Madamwar was conferred Fellow of Association of Biotechnology and Applied Pharmacy.
- Prof TV Raman Rao was conferred Fellow, Association of Biotechnology and Pharmacy (ABAP), Conferred on Dec. 2012.
- Prof TV Raman Rao received Dr CK Shah Award for the research Paper entitled "Banana fruit ripening as influenced by edible coatings" authored by Neeta B Gol and TV Ramana Rao in Plant

Sciences (Botany/Agriculture Botany/Plant Biotechnology) for the year 2011-2012.

- Dr SS Soni received with DST-FAST track Young Scientist Award.
- Dr RM Makwana was awarded Dr Ambedkar award & One Lakh rupee from Government of Gujarat in 2012.

2013-14

- Prof Kiran Kalia received 8th International Prestigious Sardar Patel Award 2013 in the Field of "Woman Empowerment".
- Dr AS Reddy received Outstanding Botanist award by the National Conference Committee on Recent Emerging Trends in Plant Sciences-2013.

2014-15

- Dr Manoj Soni was awarded Global Award For Distance Learning Leadership 2015, by the World Education Congress.

3.4.5 Indicate the average number of successful MPhil. and PhD. scholars guided per faculty during the last five years. Does the university participate in Shodhganga by depositing the PhD theses with INFLIBNET for electronic dissemination through open access?

The details of number of PhD/MPhil awarded during the last five years are as follows:

	2010-2011	2011-2012	2012-2013	2013-2014	2014-2015	Total
MPhil	82	95	109	133	119	538
PhD	21	54	84	95	69	323
					Total	861

- Grand Total of PhDs and MPhils produced in the last five years = 861
- Total Number of Faculty in University All together = 158
- Average number of PhD/MPhil per faculty member during the last 5 years: 861/158 = 5.45

The list of PhD/MPhil Degrees awarded with title of the PhD thesis is given in Annexure-22.

www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

3.4.6 **What is the official policy of the university to check malpractices and plagiarism in research? Mention the number of plagiarism cases reported and action taken.**

Plagiarism and malpractices in research are serious matter of concern; hence University has procured a registered access to **URKUND** software provided by **INFLIBNET**. The software is available for PhD Supervisors and students to get their documents scanned as a precautionary measure. The research scholars are educated regarding the plagiarism by their supervisors as well as a module on plagiarism is included in mandatory pre-PhD coursework on Research Methodology.

3.4.7 **Does the university promote interdisciplinary research? If yes, how many interdepartmental / interdisciplinary research projects have been undertaken and mention the number of departments involved in such endeavours?**

To promote interdisciplinary research within campus of University, following interdisciplinary research projects were awarded from its own funding:

Sr. No.	Principal Investigator/ Department	Principal Collaborator/ Department	Titles
1.	PC Vinodkumar, Physics	BY Thakore, Physics PK Priyan, MBA	Applications of Quantum Field Theory Methods in Financial Market Dynamics
2.	TR Shah, Pharmaceutical Sciences, SPU	Rita V Vora, Shree Pramukh Swami Medical College, Karamsad	Hydrogel Thickened Microemulsion of Methotrexate for the Treatment of Psoriasis: Formulation and Clinical Implications
3.	PK Priyan, MBA	RB Subramaniam, Biosciences	Incubation Centre and Inter-departmental Collaborations: Mechanism for Making Research into Fruition
4.	HJ Panchal, Computer Science	Brijesh Patel, Computer Science	Heli-PyD, a Comprehensive Database for *Helico Bactor Pylori*
5.	KR Surati, Chemistry	KD Patel, Physics	Synthesis of Materials Based on Mixed Legends Complexes and their Evaluation as Solid-state Electroluminescent Devices

Sr. No.	Principal Investigator/ Department	Principal Collaborator/ Department	Titles
6.	UH Patel, Physics	SS Soni, Chemistry	Synthesis and Single Crystal X-ray Characterization of Catalytically Active Ionic Liquids
7.	VS Vaishnav, Electronics	-	Thin Film Semi-conductor Gas/Vapour Sensor
8.	SS Bhatt, Biosciences	JM Patel, Mathematics SJ Bhatt, Mathematics	An Investigation on Fractality in Some Biological Systems and Processes
9.	HV Dedania, Mathematics	SJ Ghevariya, Mathematics	An Investigation into Some Mathematical Aspects in Financial Derivatives
10.	AVRLN Acharya, Biosciences	NV Sastry, Chemistry	Exploratory Investigations for the Removal of Fluoride ions from Water using Organic Biowaste.

An interdisciplinary team consisting of members from Departments of MBA, Economics, Statistics and MSW prepared a District Human Development Report of Dang and Panchmahal districts assigned by Government of Gujarat under UNDP grant.

Departments of Management and Social work carried out pre- and post-election surveys of voters assigned by Election Commission of India, Government of Gujarat.

Centre of Indian Diaspora study at Sociology Department organized four International seminars which included inter-disciplinary studies presented by various faculty members from different disciplines.

Faculty members of social sciences from Departments of MBA, Economics, Commerce, Sociology, Psychology, Political Science, MSW, Library and Information Science and Education have undertaken several inter-disciplinary studies and the outcomes have been published in form of research papers.

The University also sanctions duty leave to faculty for visiting national/International institutes.

3.4.8 Has the university instituted any research awards? If yes, list the awards.

The University has instituted the following research awards:

Hari Om Ashram Best Research Paper Award:

To encourage the faculty and students for publication of good quality work, Best Research Paper Award has been instituted. The best paper is selected after evaluating them by external subject expert in the respective discipline. The awards are presented in the annual functional meeting.

Best Thesis Award:

The Best Thesis award has been constituted for the research scholar of Chemistry Department in memory of Late Prof BN Mankad. The selection criteria for this award are lead down by Departmental Research Committee (DRC) and thesis is evaluated by subject expert of the department.

3.4.9 What are the incentives given to the faculty for receiving state, national and international recognition for research contributions?

The university has constituted a personal and professional development fund (PPDF) and a budget code is created for each faculty member. The fraction of overhead component (@20%) of research grants obtained by corresponding faculty member is deposited in their PPDF account. The PPDF fund can then be utilized by faculty member for the purpose of research and professional development with the permission of University administration.

3.5 CONSULTANCY

3.5.1 What is the official policy of the university for structured consultancy? List a few important consultancies undertaken by the university during the last four years.

The University encourages consultancy to industries by its faculty members. There is a dedicated University-Industry Interaction cell called the UI cell, which is responsible for structured consultancy. The UI cell prepares the information brochure about the expertise and infrastructure available in the University. The same is circulated among various industries and organizations. Most faculty members provide analytical services (using Departmental facilities and also offering Industrial consultancy) in the form of analysis of samples and data.

3.5.2 Does the university have a university-industry cell? If yes, what is its scope and range of activities?

As mentioned already the "University-Industry Interaction cell" headed by the Hon. Vice-Chancellor takes care of building, maintaining and enhancing relationships between University and industry. The specific objectives of University and Industry Interaction Cell (UIIC) are:

- To create database on Need Analysis of Industries in the state
- To create database on expertise/facilities on the campus
- To co-ordinate R & D projects/consultancy/sponsored projects/to address technical problems facing the Industry and the University and exploring technology transfer of the new processes and technology developed by the University Departments.
- To assist in signing of MOU, promote patent awareness and development of IPR/Patents by the University faculty based on their products and processes developed
- To help testing/characterizations of the materials or samples of Industrial applications
- To offer training programs/to co-ordinate Seminars relating to research outcomes with potential Industrial Applications.
- To characterize, test and analyse industrial products
- To keep liaison with various funding agencies and Govt. organizations
- To make aware about the expertise resources available with the University

The University and Industry Interaction Cell (UIIC) take care of promotion of consultancy activity in the campus, by encouraging the faculty members to take up consultancy works.

3.5.3 What is the mode of publicizing the expertise of the University for Consultancy Services? Which are the departments from whom consultancy has been sought?

Areas of expertise / specialization and infrastructural facilities available in various departments are regularly updated in the website. Faculty members also make their own efforts in interacting with industries relevant to their expertise.

3.5.4 How does the university utilize the expertise of its faculty with regard to consultancy services?

Yes, The University encourages all the faculty members to involve in consultancy services. The procedural processes are minimized through the UIIC. The faculty members are permitted to visit the industry and spend the required time to deliver the consultancy services qualitatively

without affecting the regular teaching responsibilities like Pavan Chakki & Solar Systems Developed in University.

3.5.5 **List the broad areas of consultancy services provided by the university and the revenue generated during the last four years.**

The post graduate departments offer mainly analytical consultancy services to both industries and institutions. These include

- Mass spectrometric analysis of organic samples.
- Particle size analysis
- NMR analysis for structure elucidation
- Scanning Electron Microscopic analysis
- Modelling of Plasma Atomization in Powder Metallurgy
- English language studies
- Social work

Prof (Dr) HJ Jani and Dr Raju M Rathod render their consultancy service in preparing State wise Analysis of Accreditation Reports of Gujarat, Published by NAAC, Bangalore and prepared by NACC & Knowledge Consortium of Gujarat, published in March 2014.

Management Department is rendering consultancy service to Krishna Medical Hospital run by Charotar Arogya Mandal for creating professional corporate culture among the employees and to other local Small and Medium Scale Industries.

b) **Revenue generated by consultancy/analytical services during the last five years (2010 to 2015):**

Name of the Department	Amount generated (in ₹)
Chemistry	19,54,700
Physics	1,93,320
Material science	61,100
CISST	32,140
MSW	10,00,000
Total	**32,41,260**

(Please see Annexure-23: for the Details of Consultancy Services Rendered and Revenue Generated.)

www.spuvvn.edu/iqac/rar16/annexures/ann-23.pdf

3.6 EXTENSION ACTIVITIES AND INSTITUTIONAL SOCIAL RESPONSIBILITY (ISR)

3.6.1 How does the university sensitize its faculty and students on its Institutional Social Responsibilities? List the social outreach programmes which have created an impact on students' campus experience during the last four years.

The University at both departmental as well as at University level organizes several programmes in order to sensitize its faculty and students towards Institutional social responsibilities. The following programmes are organized regularly

The University organizes Youth festival every year in which students from all post graduate department as well as students from affiliated colleges of this University participate in various events such as music, dance, one act play, skits, painting, collage making, sculpture, debate, rangoli, photography, etc. The winners in these events are sponsored for inter-university youth festival events.

Various university departments organize blood donation camps round the year with the help of Red cross society, sports events, cultural events such as Garba celebration during Navaratri, Ganesh Utsav, etc,

The departments also organize tree plantation programmes, sky gazing, etc on different occasions,

The community science centre of the university organizes several community based science programmes involving students of university as volunteers. These activities include: science activities and competitions for school students, health and nutrition related awareness drives for women and children, Science exhibitions, Workshops, sky gazing, bird watching, sensitization towards natural resources and their conservation, etc. On an average about 150 to 200 such activities are organized round the year.

The department of Home Science organizes regularly: Diet counselling for various diseases, weight reduction, etc.; Furnishing, interior decoration aspects etc. for extension in local Mahila Mandals; Training programmes on hygiene and sanitation for mess-workers; Need-based programs in old age home, Mahila Mandals, etc.; Finding out prevalence of anaemia, diabetes, cardiovascular diseases among adult population of Anand and VallabhVidhyanagar.

The Department of Mathematics is instrumental in conducting state level A R Rao a talent search examination in Mathematics under auspices of Gujarat Ganit Mandal for the students of B.Sc.(Mathematics) and M.Sc.(Mathematics).

In MBA Department all faculty members routinely interact with students in group and individually after class sessions on various issues faced by society and corporate. The syllabus incorporates issues on environment, social responsibility, social cost and other such topical subjects. Clean India programmes, road safety, cyber safety, digital India and other such issues are discussed on various forums in the department. Students are also encouraged to work on research projects on contemporary issues in management and international standards as well.

The NSS section of University regularly organizes several activities involving students of University departments and affiliated colleges. They are

- Tree plantation
- Cleaning of Village Street, pond and wells
- Pollution control program
- Environmental sanitation and disposal
- Provision of safe mass immunization
- Population education and family welfare programs
- Health education, Aids awareness and medical camp
- Women empowerment
- Free eye check up camp
- Blood donation camp
- Thalassemia test
- Swachh Bharat Abhiyan
- Personality development programs
- Youth leadership program
- Betibacho beti padhao abhiyan
- Street play on prevailing issues of community
- Organized developmental activity in school
- NSS day celebration
- Sharmdan
- Women's self defense

Prof. Datta Madamwar is associated with Kendriya Vidyalaya as VC Nominee, Chairman and involved in improvement of school education. He is also associated with syllabus preparation at Under Graduate at State Level as well as e-content preparation of MSc Microbiology at UGC.

3.6.2 How does the university promote university-neighbourhood network and student engagement, contributing to the holistic development of students and sustained community development?

University at regular interval organizes events which are open to all even people outside university can attend such events. It organizes Gujarat's folk cultural even- 'Dayro' on convocation day which is open to all people staying in neighbourhood.

Science exhibition is organized every year which is open to all.

University has a campus radio station, through which it broadcasts programmes for community development, such as awareness on contemporary issues in society, science popularization, cultural programmes and awareness about activities of University.

The University publishes monthly magazine 'Sheel Shrutam' covering important news and events of University, which is widely circulated.

The department of Home Science conducts dietary survey of vulnerable group of the society and organizes community awareness programmes for low cost nutritious recipes through demonstration. It also organizes sensitization programmes for women with an objective of skill development for income generation.

The department of Economics as well as MSW conduct various activities where students have to interact with residents in neighbourhood of University and some of these activities have been highly appreciated and have resulted in significant outcomes with reference to community development, for example, unutilized medicine collection from neighbourhood residential areas.

3.6.3 How does the university promote the participation of the students and faculty in extension activities including participation in NSS, NCC, YRC and other National/ International programmes?

General Section of University and Physical Education Section of the university regularly inform students about the various extension activities organized by International, National and state level agencies. Faculty Co-ordinators of extra-curricular activities at Postgraduate departments communicate to the students about these activities and motivate them to participate in such activities. University has constituted Shree Aurobindo Chair of Integral Studies, Corporation Bank Management Chair, Pujya Mota Chair, Gandhian Studies Centre, Dr. Baba Saheb Ambedkar Chair, Shree Bhaikaka Adhyayan Prakalp, and Sardar Patel Chair to promote research and extension activities in specific areas.

3.6.4 **Give details of social surveys, research or extension work, if any, undertaken by the university to ensure social justice and empower the underprivileged and the most vulnerable sections of society?**

The Home Science department regularly conducts:

- Block placement in various institutions like old age homes, institutions for the mentally and physically challenged, preschools, etc.
- Community nutrition practicals like demonstration of low cost recipes in the Anganwadi training centre.
- Income generating activities like tie and dye, card making, handicraft items, nail art.
- Activities related to art and craft and cognitive development for persons with disabilities in "Andh Apangjan" school at nearby vicinity are carried out as part of practicals by Human Development students.

Faculty members of Departments of Education, MBA, Bioscience and Commerce conducted a survey to check the viability of Contributory Personality Development (CPD) program launched by Gujarat Technological University for students pursuing MCA, Degree and Diploma in Pharmacy and Engineering. Data was collected from 27 Educational Institutes in Anand and Kheira District. This survey assigned by Indian Institute of Teacher Education, Gandhinagar was conducted during 1st November 2013 to 7th November 2012.

Faculty members of MBA and MSW departments under the guidance of Prof (Dr) HJ Jani undertook a 'Knowledge, Attitude, Behaviour, Belief and Practices' (KABBP) -Base line Election Survey assigned by Election Commission of India during Assembly election of Gujarat, July-September 2012. On the basis of findings of this study, Election Commission designed various communication campaigns that helped to increase the voter's turn out ratio.

The above team also KABBP of Voters in Gujarat End line Election Survey, February-April 2013. The out-come and implication of both the studies have been published in form of detailed report as a part of Systematic Voters Education Programme.

Team of Sardar University prepared reports on District Human Development of Dang and Panchmahal district under project assigned by Government of Gujarat under UNDP grant. This project was aimed to identify the under privileged and vulnerable sections of these districts for

design and implementation of social development schemes of Government.

3.6.5 Does the university have a mechanism to track the students' involvement in various social movements/activities which promote citizenship roles?

Each post-graduate department has a forum for organizing co-curricular and extra-curricular as well as extension activities. The student's representatives are selected to act as secretaries facilitating various activities which are supervised by faculty members as Teacher-in-charges. Activities such as sports events, debates, elocution competitions, article writing on contemporary issues, social awareness programmes and active citizenship promotion projects in association with local NGOs and various centres and cells of university such as Community science centre, Woman's cell, etc. To promote citizenship role, Blood donation camps, Women safety awareness, career counselling, traffic awareness, health awareness, Investor's awareness, rural development, consumer protection, human rights and vote for India campaign, Clean India Mission, International Yoga Day, anti-narcotics campaign have been organized by individual departments or at University level. Several of these activities are organized with active support of organizations such as Red Cross, Rotary club, Lion's Club, JCI, SPICMACAY, Vallabh Vidyanagar nature club, etc. The activities are recorded in annual reports of each post-graduate department and students are felicitated for their exceptional performance on Annual Day celebration each year.

Many departments run student's club as well to address specific issues, for example MBA department runs consumer protection club.

Community Science Centre has more than 100 registered student volunteers, who are deputed in various sections of society for science related activities.

3.6.6 Bearing in mind the objectives and expected outcomes of the extension activities organized by the university, how did they complement students' academic learning experience? Specify the values inculcated and skills learnt.

In Department of Home Science many students take up community based work that includes finding out the prevalence of anaemia among school going children and adolescents, cardiovascular diseases, diabetes and osteoporosis. Here they get an opportunity to know the dietary pattern of these subjects and simultaneously educate them regarding the foods that should be avoided and included in their diets. Moreover students also interact with the enrolled subjects in their intervention

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programs wherein they educate them regarding the nutritional as well as therapeutic importance of the developed product. The students who work with disabled persons get an opportunity to develop tools related to their cognitive development.

In general through extension activities students

- Get sensitized towards contemporary social issues
- Develop leadership qualities
- Learn to work in groups and time management
- Learn regarding bottlenecks in field work and how to overcome them
- Communication skills with different types of people
- Event management
- Develop to be a socially responsible citizen

3.6.7   How does the university ensure the involvement of the community in its outreach activities and contribute to community development? Give details of the initiatives of the university which have encouraged community participation in its activities.

The University ensures involvement of the community in its outreach activities through university's community science centre, SPU community radio-station (90.4 FM) and several local NGOs such as Vidyanagar nature club, Patriotic club of India, Vivek club, Energy conservation club, etc. The volunteers in addition reach to community and ensure community participation in University programmes through extensive use of social networking media.

3.7   COLLABORATION

3.7.1   How has the university's collaboration with other agencies impacted the visibility, identity and diversity of activities on campus? To what extent has the university benefitted academically and financially because of collaborations?

The collaborations between the faculty of the department of Biosciences and various institutes/industry have resulted in acquiring knowledge and expertise in the following areas of research:
- Metagenomics and bioinformatics
- Protein engineering and metabolic engineering
- Crop physiology
- Dye sensitized solar cells
- Photo-responsive materials

In the projects funded by BASF, fellowships were provided to the research fellows apart from grant for consumables and travel. These

collaborative programmes also enhanced interaction among scientists working in various areas of specialization.

CISST has collaboration with PRL, Ahmedabad for teaching and practical work. Several faculties from PRL were invited to deliver lectures as well as impart practical training to students at CISST.

The department of Gujarati has organized several activities in collaboration with Sahitya Academy, New Delhi.

3.7.2 Mention specific examples of how these linkages promote

- PRL and SAC, Ahmedabad; AIIMS, New Delhi; ARDE, Pune have contributed significantly in designing of curricula for MSc courses in Earth Science, Defence Science and Biomedical Science and Technology. One of our students spent a summer stay there and also did his project work for fulfilment of MSc degree. The same student is now pursuing PhD there.
- Scientists from PRL and SAC, Ahmedabad, are invited as visiting faculty at Department of Physics and CISST.
- Scientists from the above institutes are co-guides to MPhil and PhD in physics.

3.7.3 Has the university signed any MoUs with institutions of national/international importance/other universities/industries/ corporate houses etc.? If yes, how have they enhanced the research and development activities of the university?

Yes, the MoUs signed by University with other organizations are listed below:

- University has signed MOU with Government of Gujarat and District Collectors of Dang and Panchmahal district on mutual responsibility for preparation of DHDR. The DHDR has been prepared and submitted to Government of Gujarat.
- University has signed MoU with University of Turku, Finland and Tooltech Global Engineering Pvt. Ltd., to develop 'Centre of Excellence in Biotechnology for Affordable Health'. This MoU was signed at the National Education Summit at Gandhinagar, Gujarat on 10th January 2014.
- University has signed MoU with The Papua New Guinea University of Technology represented by it Vice-Chancellor Dr Albert Schram in December 2015, to facilitate academic and research co-operation, exchange of expertise between the two institutes and sharing and access of research facilities and infrastructure.
- R&D support services, Inc., USA has signed an LoI with SPU for running academic, research and short term training programmes in

multidisciplinary and interdisciplinary areas of Science and Technology.

- Our University has signed MoU with IIT, Powai, for Spoken Tutorial Project funded by Government of India on 22nd July 2015. The tutorials are provided by IIT Bombay and are available on www.spokentutorial.org. Upon successful completion of course, the certificate is issued to candidates by IIT Bombay.

3.7.4 Have the university-industry interactions resulted in the establishment/creation of highly specialized laboratories/facilities?

The interaction currently is mainly for undertaking analytical services and pilot projects. Till now, no specialized facilities have been created out of University and Industry interactions, However, the efforts are on to establish an Incubation centre which will create a platform for active interaction between industry and academia.
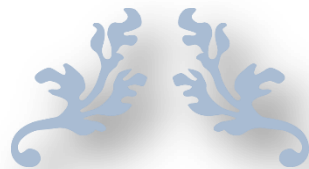
CRITERION IV

[INFRASTRUCTURE AND LEARNING RESOURCES]

CRITERION – IV
[INFRASTRUCTURE AND LEARNING RESOURCES]

4.1   PHYSICAL FACILITIES

4.1.1   How does the university plan and ensure adequate availability of physical infrastructure and ensure its optimal utilization?

SARDAR PATEL UNIVERSITY
Vallabh Vidyanagar

BLUE INDICATES
UNIVERSITY CAMPUS

N ←

30.	Home Science Dept.
31.	University Press.
32.	Bhaikaka Library
33.	Mathematics Dept.
34.	S.P. University Office
35.	Dept. of Pharmaceutical Sciences (Proposed)
37.	Chemistry Dept.
37(A)	Materials Science Dept.
38.	Radio Station
39.	Electronic Dept.
40.	H.M. Patel Inst. of Rural Development
49.	Physics Dept.
49(A)	Computer Centre
50.	M B Patel Education College
51.	USIC
52.	Humanities Building
57.	Health Centre.
58.	University Museum
59.	Hindi Dept.
60.	University Guest House
61.	University Ladies Hostel
63.	Student Centre
74.	Old Hostel
103.	Central School
104.	Business Administration Dept.
105.	Computer Science Dept.
106.	BRD School of Bio-Sciences
107.	Sardar Patel Maidan
108.	Nehru Hall Hostel
109.	MBA (NRI) Hostel
110.	Community Science Centre

MASTER PLAN OF THE UNIVERSITY

Authorised Signatory

Under the chairmanship of Honourable Vice Chancellor, the university has several major policy making committees. The future requirements are discussed and plans are carried out for the development of next five years about landscaping, strengthening infrastructure and learning resources of the university. The Building Committee, Finance and Establishment and other statutory committees plan for various aspects of the same. The university has adequate infrastructural facilities for the faculty, research scholars, and students, to carry out curricular, co-curricular, research and extension activities. The facilities in the Research Laboratories in various departments are extended to the students of other departments on a regular basis as a part of the course curriculum and also for research. A central facility like housing of sophisticated equipments has been created at CISST. Other central facilities like Bhaikaka Library, Computer Centre, Health Centre , Guest House, Examination Wing (as known as Gyanodaya Pariksha Bhavan) Auditoria, Gymnasium,YUVI Sports Complex, CC Patel Community Science Centre, University Museum, 'RADIO CAMPUS'

90.4 FM Community Radio Station and others are catering to the diversified specialized needs of various stakeholders. Many of the facilities like Seminar Halls, Auditoria, and Gyanodaya examination building of the university are also made accessible to other Government and private sectors with the minimal services charges by establishing appreciable rapport with them and also used for academic collaborative programmes. The following table presents the details of various buildings on the campus:

- **Campus Area**

Sr. No.	Name of the building	Construction area in Sq. Mt.	Year of Construction	Number of floors	UGC plan period
1	University Administrative Building	3,209.00	1963	G+2	02
		439 .00	2007	G+2	10
		1,906.12	1974	G+1	04
		953.12	1979	SF	05
2	Old Bio Sciences Building	299.75	1980	Basement	05
		336.72	2002	G+2	09
		114.17	2002	GF	09
		336.72	2002	G+2	09
		475.10	1965	GF	02
3	Press Building	208.75	1973	GF	04
		192.00	2002	G+1	09
4	MB Patel College of Education	2,315.16	1965	G+1	02
		528.90	1981	SF	05
5	USIC /Workshop	504.53	1963	GF	04
		317.20	1978	G+1	05
6	Bhaikaka Library	4,309.24	1966	G+3	02
7	Hindi Bhasa Bhavan	926.52	1985	G+2	06
8	Business Studies/Mathematics /Statistics Building	2,219.00	1980	GF	05
		4,437.00	1981	FF+SF	05
9	Home Science Department	1,740.00	1990	G+2	07
10	Electronics Department	2,294.07	1987	G+2	06
11	Senate Hall/Vice-Chancellor Office Wing	832.80	1980	G+1	05
12	Humanities Department	3,259.14	1964	G+1	02
		773.91	1979	G+1	05
13	Animal House for Home Science	210.17	1978	GF	05
14	Computer Centre	925.02	1986	G+2	06

Sr. No.	Name of the building	Construction area in Sq. Mt.	Year of Construction	Number of floors	UGC plan period
15	University Museum	432.00	1994	G+2	08
		254 .00	2010	GF	11
		1,079.40	1994	G+2	08
16	Materials Science Department	567.09	2005	G+2	10
		360.00	2010	G+2	11
		2,198.62	1966	G+1	02
		1,099.31	1974	SF	04
17	Chemistry Department	448.16	1974	GF	04
		1,185.19	1981	G+2	05
		134.70	2002	GF	09
		134.70	2004	FF	10
18	HM Patel College of Economics and Agro Economics	2,490.05	2000	G+2	09
19	Vice Chancellor Bungalow	377.24	1963	G+1	02
20	University Womens' Hostel-1	4,080.25	1966	G+2	02
21	University Womens' Hostel-2	650	2006	GF	10
		1,300	2010	FF+SF	11
22	Faculty Guest House	1,024.66	1983	G+2	06
		111.52	2000	FF	09
23	V.I.P. Guest House Old	334.33	1973	G+1	04
24	V.I.P. Guest House New	297.78	2000	G+1	09
25	University Health Centre	631.20	1964	G+1	02
26	University Consumer Store (Apna Bazar)	422.68	1963	GF	02
27	Non Resident Students Centre	422.68	1964	GF	02
28	Canteen	45.00	2007	GF	10
29	Toilet Block for MP Patel Auditorium	33.78	2010	GF	11
30	University Men's Hostel-1	2,829.00	1962	G+2	02
		229.50	1985	G+2	05
31	Academic Staff College Building	5,831.45	1963	G+1	02
32	Overhead Water Tank	1.51 Lakhs Litre Capacity	2008	FF	09
33	Pump Man Quarter	30.31	1986	GF	06
34	Guest House Attendant Quarter	30.31	1978	GF	05
35	Driver quarter	30.31	1978	GF	05

Sardar Patel University, Vallabh Vidyanagar, Gujarat

Sr. No.	Name of the building	Construction area in Sq. Mt.	Year of Construction	Number of floors	UGC plan period
36	Community Science Centre	402.45	2004	G+1	10

- **Details of University Staff Quarters**

Sr. No.	Name of the Building	Attach Toilet/Toilet	Bath-room	Number of WC		Number of Wash Basins	Number of Taps
				WC	EWC		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	A Quarters-12	24 (0 / 24)	12	12	12	24	204
2	B Quarters-8	24 (8 / 16)	08	16	08	24	112
3	C Quarters-16	16 (16 / 0)	-	16	-	32	176
4	D Quarters-80	80 (0 / 80)	80	80	-	80	560
5	D Quarters-22	44 (22 / 22)	22	22	22	22	220
6	E Quarters-10	10 (0 / 10)	10	10	-	10	90
7	F Quarters-24	24 (0 / 24)	24	24	-	-	144
8	G Quarters-63	63 (0 / 63)	63	63	-	-	189
9	H Quarters-12	12 (0 / 12)	12	12	-	24	192
10	I Quarters-16	16 (0 / 16)	16	16	-	16	96
11	J Quarters-8	08 (0 / 8)	08	08	-	08	48
12	T Quarters-72	72 (0 / 72)	72	72	-	-	288
	Total	393(46/347)	327	351	42	240	2319

- **Details of University Land**

Sr. No.	Property Description	Land Area (in Sq. Mt.)
1	University Staff Colony (including Balwadi, Kendriya Vidyalaya, Open Ground, Botanical Garden)	1,17,074.34
2	Main Campus Area	85,253.10
3	Satellite Campus Area Computer Science Department (Survey No. 2095)	12,739.50
	Central School Staff Quarters & Adjoining Land (Survey No. 2089-2090)	11,529.49
	Department of Bio Sciences & Sardar Patel Maidan, UV Sports Complex, Proposed Swimming Pool (Survey No.1152/2)	1,21,406.00
	Total Land Area (Sq. Mt.)	**3,48,002.43**

4.1.2 Does the university have a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment? If yes, mention a few recent initiatives.

Our university has a policy for the creation and enhancement of infrastructure in order to promote a good teaching-learning environment.

Sardar Patel University was established in 1955 with the major donations from farmers of surrounding villages and the landscaping, planning and construction of various buildings of university were constructed using a huge donation amount. Continuing from the beginning the university is progressing in all dimensions.

In recent five years the university has step forwarded through new constructions and renovation for enhancing qualitative teaching-learning environment.

Here are mentioned some major features of the Infrastructural development of the University in last five years of accreditation period.

- The major buildings where all the departments are facilitated with all latest infrastructure. They are buildings of Home Science, Library Science, Mathematics-Statistics-Business Studies, CISST, Material Science, Chemistry, Electronics, Economics, Bio Sciences, MCA, MBA, BEd Physics, Humanities, Hindi.
- There are 5 Auditoria on the campus and each department has well equipped Conference room.
- Easily accessible public transportation is available to reach each department with RCC road and Paver blocks inside compounds of each building.
- Beautification and gardening of each department is specially taken care of through annual contract.
- Almost all departments are equipped with the Interactive (Smart) boards.
- Every department has Digital Projectors in most of the class rooms.
- Every department has Internet Connectivity extended to the students.
- There is a Central Cyber Café for the students.
- Most of the Department have their own Departmental Library housed in the Department.
- The departmental libraries, NBHM Regional Library in Mathematics, ICT Facilities, Language Laboratories, Psychology Lab, Computing Labs, Research Labs, Reprographic Facility, Digitalization Facility at the Library and Information Science Department and other facilities are well taken care of for enhancing qualitative teaching-learning.

Under the sanctioned 11th plan of UGC the major renovations and new construction carried out by university are as follows:

Year 2009-10

- The new building of examination known as Gyanodaya of 6735 Sq. Mt., near University office building was constructed under the grant of 11th plan of UGC and with support of university fund. Also, in this year the renovation of Humanities building was done.

Year 2010-11

- The renovation of Department of Education was done.
- Home science department and Physics was carried out.
- In this year the new construction of extension of Computer Science's building of 251 Sq. Mt., toilet block of MP Patel Auditorium of 33.78 Sq. Mt., extension of Museum's building of 254 Sq. Mt., New Eklavya hostel of 3,011.03 Sq. Mt., were done by the University.

Year 2011-12

- In this year the new construction of Yugpurush Swami Vivekanand Sports Complex of 689 Sq. Mt. including multipurpose gymnasium, basketball court, tennis court, and table tennis court for enhancing sports facilities for staff, and students and community.
- The beautification of main campus with an arc of entrance was developed during this year.
- The renovation work of Material Science department, administrative office, Department of Education, modernization of library, civil renovation work of computer centre including E governance, and Dept. of Mathematics was completed.
- The construction of new women's hostel building of 27,558.33 Sq. Ft., construction of extension of Mathematics department of 241.0 Sq. Ft., Civil work of department of education and construction of Guest house of 845.85 Sq. Ft., at Academic staff college was completed.

Year 2012-13

- In this year the renovation work of Economics department was completed under the UGC SAP-1 grant.

Year 2013-14

- In this year the civil renovation work and roofing of Central Assembly Hall at M. B. Patel College of Education, extension work for existing Computer centre of 1,213.13 Sq. Ft., two side paver fitting at Yugpurush Swami Vivekanand sports complex, was completed under the 11th plan grant.

- Recently, infrastructural facilities are being upgraded in various departments in form of fixing tiles, flooring, new pipelines for drainage, toilet block and paver blocks in the exterior etc.

Year 2015-16

- Recently, a new project of a state-of-art swimming pool with the financial support of ₹3.91 crores by the UGC XIIth plan have been initiated.

Thus, all departments are infrastructurally well equipped for promoting qualitative teaching learning processes and University is committed to generate a general conducive ambience on the campus.

4.1.3   How does the university create a conducive physical ambience for the faculty in terms of adequate research laboratories, computing facilities and allied services?

All the departments of Science have adequate science laboratories for post graduate students and research students. According to the latest requirements all the laboratories are upgraded, renovated and well maintained. The laboratories are fully equipped with all sorts of instruments to inspire research. The faculties too are highly engaged in teaching-learning and conducting major research projects received from many national agencies. All the Social science and humanities departments have computer laboratories; language departments are having language laboratories as per their requirements. The Bhaikaka library extends its services to all the departments by providing E resources, e-Journals and e-Material to enhance qualitative teaching-learning processes. The university has a well developed computer centre for assisting all kinds of computing facilities to the faculties. The financial funding and support is provided for all resources of laboratories through UGC, state government and through endowment funds.

All the faculties at departments have personal cabin for sitting arrangement and they are provided with all upgraded physical facilities. There are air conditioned auditoria, seminar rooms and smart classrooms at all the departments. The departments share the technologically equipped auditoria and seminar rooms for exchanging teaching-learning thoughts among teachers and students, for intra departmental activities and sharing of learning. There are other facilities like Community Radio station, Community Science centre, under the university to explore the talent of students and faculties on the campus and extend the expertise of the university to the society.

4.1.4 Has the university provided all departments with facilities like office room, common room and separate rest rooms for women students and staff?

The university has provided all departments with all supportive facilities like Office room, common room and separate rest rooms for women students and staff. The faculties at each department has separate cabin as their seating arrangement. Each department has well equipped and furnished administrative office. At university building too women administrative staff has all facilities available. The summery of various facilities at departments are as follows:

	No. of Class-rooms	No. of Common rooms			Rest Room for Staff	Committee Room
		Boys	Girls	Common		
Total	106	10	14	6	12	14

4.1.5 How does the university ensure that the infrastructure facilities are disabled-friendly?

The physically impaired students are considered as special students of the university. The university ensures them all available facilities. The buildings have ramp and each department has wheel chair facility for physically challenged students. The classrooms are arranged at ground floor wherever there is no lift facility available. Scholarships from various agencies are made available for visually impaired students. Lift facility is available at the Centralized Examination centre Gyanodaya, Computer centre and department of computer science.

In other departments barrier free facilities are planned out and will be available in near future.

4.1.6 How does the university cater to the requirements of residential students? Give details of capacity of the hostels and occupancy (to be given separately for men and women)

University has three hostels for women with 100% occupancy of students and five hostels for men including NRI and SSF hostel with 100% occupancy of students. All the facilities are availed to students in all hostels. The details are presented in the following table.

Sr. No.	Name of Hostel	Type of Hostel	Capacity	Occupancy
1	Womens Hostel-1	Women's Hostel	300	100%
2	Womens Hostel-2	Women's Hostel	60	100%
3	Womens Hostel-3	Women's Hostel	96	100%
4	Men's Hostel-1 (Nehru hall	Men's Hostel	156	100%

Sr. No.	Name of Hostel	Type of Hostel	Capacity	Occupancy
	Hostel)			
5	Old Hostel (Men's Hostel-2)	Men's Hostel	200	(Under Renovation)
6	CTE Hostel	Men's Hostel	78	100%
7	MBA NRI Hostel	Men's Hostel	52	100%
8	SSF Hostel	Men's Hostel	16	100%
9.	Eklavya Hostel for ST students	Men's Hostel	200	100%
10.	Vivekanand Samras Hostel (Possesion Awaited)	Women's Hostel Men's Hostel	500 500	Will be allotted from the Academic year 2016-17
		Total	2,158	

Recreational facilities in hostels like Gymnasium, Yoga centre, etc.

Sports ground facilities are available on the campus for both men and women. Indoor games are available at the hostels. At women hostels, shibirs and orientation for yoga and exercise are arranged frequently. Apart from this the university has its own Sports complex-Yugpurush Swami Vivekanand sports complex where all the fitness facilities are available both for men and women.

Broadband connectivity Wi-Fi/facility in the hostels

In the first phase of the Men's hostel, Nehru Hall is made Wi-Fi and the other hostels will be made Wi-Fi in consequent phases.

4.1.7 Does the university offer medical facilities for its students and teaching and non-teaching staff living on campus?

Yes. The university has fully equipped health centre and have a full time permanent doctor (MD Physician) and well equipped laboratory and qualified lab technician, pathologist and nursing staff. The details of which are given in the following table:

Hon Medical officer	One (Permanent)
Staff Nurse	One
Pharmacist cum Compounder	One
Assistant Compounder	One
Lab Technician	One
Lab Assistant	One
Dresser cum Peon	One
Sweeper	One
Sweeper	One

Helper	One

Specialist consultants like Physician, Gynaecologist, Ophthalmologist etc. have their visiting hours at health centre, the details of which are as under:

Dr Ravindra Parikh	:	Physician (Wednesday)
Dr Nayana Patel	:	Gynaecologist (Wednesday)
Dr Shyam Kumar	:	Ophthalmologist (Wednesday)
Dr Anita Singh	:	Gynaecologist (Thursday)

The health check-up of university staff is carried out every year and is counselled for further treatment. The awareness campaign and seminars too are organized by the health centre.

The following describes statistically the services rendered by the University Health Centre during 2014-2015:

Sr No	Month	New	Old	Total	Student	Staff
1	April-2014	213	487	700	453	247
2	May-2014	145	434	579	376	203
3	June-2014	146	421	567	390	177
4	July-2014	493	616	1,109	743	366
5	Aughust-2014	473	538	1,011	668	343
6	September-2014	525	688	1,213	815	398
7	October-2014	243	359	602	405	197
8	November-2014	260	526	786	524	262
9	December-2014	259	497	756	508	248
10	January-2015	258	383	641	430	211
11	February-2015	558	689	1,247	829	418
12	March-2015	373	616	989	657	332
	Total	**3,946**	**6,254**	**10,200**	**6,798**	**3,402**

The health centre facility is also extended to retired staff of university and also students registered in affiliated colleges/institutes.

4.1.8 **What special facilities are available on campus to promote students' interest in sports and cultural events/activities?**

Sports facilities:

- The Sardar Patel University Maidan has state of art sports facilities for the students and staff.
- This sports ground has an area of over 40,000 Sq. Mt.

- Various University level annual sports tournaments are organized here. It includes well established sports facilities for fitness and different types of sports which are as under:

The University has constructed new Indoor Sports complex named as Yugpurush Swami Vivekanand Sports Complex since 2014-15 having following Facilities:

- Multi-purpose court with a provision for games of:

  INDOOR

  - Basket ball
  - Hand ball
  - Volley ball
  - Kho-Kho
  - Prokabbadi
  - Tennis

  OUTDOOR

  - Athletic track (400 meters for all events including Cricket and Football)
  - Tennis court (cement court)   : 01
  - Kabbadi grounds   : 02
  - Kho-kho grounds   : 02
  - Hand-ball ground   : 01
  - Volley-ball grounds   : 02
  - Basket ball grounds (cement)   : 02
- Table Tennis hall with three pairs of tables
- Badminton courts : 02

Moreover the University is in process of establishing an Olympic size swimming pool and the details of which are as under:

  Venue   : University Maidan
  Size   : 50m x 21m
  Tendered cost   : 3.91 crore
  Funding agency : UGC under 12th 5 year plan

This swimming pool premise also includes a multigym fitness facility with a well equipped gymnasium hall of 200 Sq. Mt.

The board of Sports and Welfare of the university and physical education section looks after all sports activities and tournaments carried out at university.

Every year the students of the university and affiliated colleges enthusiastically participate in sports activities.

Achievements in Sports Activities

Sardar Patel University has secured Bronze Medal in the West Zone Inter University Kho-Kho (Women) Tournaments held Mumbai, After qualifying at the West Zone Level, our team has participated at the All India Inter University Kho-Kho (Women) Tournament held at M G Kashi University, Varanasi Uttar Pradesh.

The details of students participation above university level in last five years is listed below:

Sr. No.	Year	Name of the Student	Name of the Game/Event	Level
[2014-15]				
1	2014-15	Kalpeshkumar N Patel	Cricket	Zonal
2	2014-15	Viren H Patel	Handball	Zonal
3	2014-15	Vijaykumar K Thapa	Air Rifle Shooting	National
4	2014-15	Ajaykumar A Sharma	Air Rifle Shooting	National
5	2014-15	Harin N Desai	Volleyball	Zonal
6	2014-15	Rahul R More	Volleyball	Zonal
[2013-14]				
7	2013-14	Jwalant N Yagnik	Chess	Zonal
8	2013-14	Chirayu S Shastri	Badminton	Zonal
9	2013-14	Pratima J Sharma	Badminton	Zonal
10	2013-14	Krishna B Inamdar	Handball	Zonal
11	2013-14	Keyurbhai H Mitaliya	Volleyball	Zonal
12	2013-14	Kishan D Sodha	Table Tennis	Zonal
[2012-13]				
13	2012-13	Karn K Vyas	Basketball	Zonal
14	2012-13	Nayan C Patel	Basketball	Zonal
15	2012-13	Swapnil D Patil	Cricket	Zonal
16	2012-13	Krishnakumar B Inamdar	Handball	Zonal
17	2012-13	Niyatiben S Patwa	Table Tennis	Zonal
18	2012-13	Nikitaben R Patel	Kabaddi	Zonal
[2011-12]				
19	2011-12	Shastri Hardik	Badminton	Zonal
20	2011-12	Chirayu Shastri	Badminton	Zonal
21	2011-12	Patel Darshit	Badminton	Zonal
22	2011-12	Niraj H Patel	Basketball	Zonal

Sr. No.	Year	Name of the Student	Name of the Game/Event	Level
[2010-11]				
23	2010-11	Arun I Sharma	Football	Zonal
24	2010-11	Girdhari Singh	Football	Zonal
25	2010-11	Sunny C Patel	Football	Zonal
26	2010-11	Maniash Kant	Football	Zonal
27	2010-11	Shastri Chirayu	Badminton	Zonal
28	2010-11	Patel Darshit	Badminton	Zonal

Cultural Activities

Sardar Patel University is committed to overall development of the students and therefore gives adequate opportunities to the students to participate in various cultural activities and celebrations organized time and again at the departmental level.

The University has been organizing University Youth festival as per the guidelines of AIU since last 25 years. More than 50 teams from University departments and affiliated colleges participate in this annual event.

Various competition events like Cartooning, Classical Dance, Classical Instrumentation Solo (Non Percussion), Classical Instrumentation Solo (Percussion), Classical Vocal Solo, Clay Modelling, Collage, Debate, Elocution, Flute, Folk Dance, Folk Orchestra, Group Song Western, Groups Song Indian, HOLI day celebration, Kite-Flying , Light Vocal Solo, Mime, Mimicry, On the Spot Painting, On the Spot Photography, One Act Play, Poetry writing, Poster Making, Rangoli, Singing, Skit, Solo, Western Vocal Solo are organized. The winners form University team for the zonal competition.

Sardar Patel University has Organised West Zone Inter University Youth Festival, three times, last being, 08th to 12th January, 2016. Our University Secured 2nd position in Skit, Debate, Western Vocal Solo and on the Spot Photograph in the West Zone Inter University Youth Festival held at our University. Thereafter our Team of Skit, Debate, Western Vocal Solo and on the Spot Painting participated in the National Inter University Youth Festival during 15th -19th February, 2016 held at Mysore University, Mysore. We have also secured a Third Position in the event of Skit, Debate and Fourth in Western Vocal Solo at the National Level.

The student's participation and achievements in various cultural events are listed in the table below:

Sr. No.	Year	Department	Name	Name of the Game/Event	Prize	Level
1	2014-15	Home Science	Ms. Yogini Chauhan	Poster Making	First	University
2	2014-15	Home Science	Ms. Meera Barasara	Drawing Competition	Second	University
3	2014-15	Physics	Anand P Joshi	Solo	First	University
4	2014-15	Gujarati	Nayan Boghra	Debate	Second	University
5	2014-15	Gujarati	Kamlesh Parmar	Poetry Writing	First	University
6	2014-15	Gujarati	Manisha chavda	Essay Writing	Second	University
7	2013-14	Home Science	Ms. Yogini Chauhan	Poster Making	First	University
8	2013-14	Gujarati	Farhanabanu Diwan	Rangoli	second	University
9	2013-14	Gujarati	Deval Shah	Rangoli	Third	University
10	2012-13	Home Science	Jinal Panchal	Collage	Second	University
11	2012-13	Home Science	Ami Brahmbhatt	Light Vocal Solo	Third	University
12	2012-13	Home Science	Group of Students	Group Dance	Second	University
13	2012-13	Gujarati	Nitin Patel	Rangoli	Third	University
14	2011-12	Home Science	Ms Ami Brahmbhatt	Light Vocal Solo	Third	University
15	2011-12	Gujarati	Jashvant Panchal	Youth Festival	First	University
16	2011-12	Gujarati	Nitin Patel	Youth Festival	First	University
17	2011-12	Gujarati	Dipak Patel	Youth Festival	First	University
18	2011-12	Gujarati	Manish Gadhavi	Youth Festival	First	University
19	2011-12	Gujarati	Hiren Gadhavi	Youth Festival	First	University
20	2011-12	Gujarati	Ragini Rami	Youth Festival	First	University
21	2011-12	Gujarati	Bhumika Rami	Youth Festival	First	University
22	2011-12	Gujarati	Sailesh Tambodiya	Youth Festival	First	University
23	2011-12	Gujarati	Manisha Chavda	Youth Festival	First	University
24	2011-12	Gujarati	Ankita Patel	Rangoli	Second	University
25	2010-11	Gujarati	Jignesh Joshi	Youth Festival	Second	University

Sr. No.	Year	Department	Name	Name of the Game/Event	Prize	Level
26	2010-11	Gujarati	Nimesh Gadhavi	Youth Festival	Second	University
27	2010-11	Gujarati	Narendra Patel	Youth Festival	Second	University
28	2010-11	Gujarati	Dharmishta Kakadiya	Youth Festival	Second	University
29	2010-11	Gujarati	Priskilla Chauhan	Youth Festival	Second	University
30	2010-11	Gujarati	Hiran Gadhavi	Youth Festival	Second	University

Apart from these the students also participate in other extracurricular activities organized on campus like Annual Day, Blood donation camp, Departmental cleaning, Essay-writing, Fresher and Farewell, Quiz, Teacher's day celebration, Tree plantation etc.

The University Community Science Centre (District level centre funded by GUJCOST) organizes various Science popularization programs where students of departments and affiliated colleges participate as well as work as volunteers.

4.2   LIBRARY AS A LEARNING RESOURCE

BHAIKAKA LIBRARY

The Central Library named as Bhaikaka Library is a unique facility of Sardar Patel University.

Bhaikaka Library, named after the illustrious founder of the educational township as well as the University, came into existence in 1957, with the purchase of 3,000 books. A grant of ₹10 lakhs was provided by UGC for the construction of the library building and purchase of furniture and equipments. The present library building was inaugurated by the Late Prime Minister, Shri Lal Bahadur Shastri on 31st October, 1964.

Bhaikaka Library is a four-story building, with two large reading rooms and one women's reading room. The capacity of reading room/women's reading room is 350 students each. The stack area is divided in four parts with holding capacity of the 3,00,000 documents. The students can access the documents like books, periodicals, theses, dissertations, reference books, donated books and non-book material.

The membership of the Bhaikaka Library is available to the students, teaching staff, non-teaching staff as well as staff and students of affiliated colleges. The University has extended the library membership to retired teachers of the University also.

NBHM-DAE REGIONAL LIBRARY IN HIGHER MATHEMATICS IN THE DEPARTMENT OF MATHEMATICS

National Board for Higher Mathematics (NBHM) is an autonomous Board under the Department of Atomic Energy (DAE), Government of India. The NBHM has an ambitious plan of developing a network of rich high-level regional library system on higher mathematics in the country. The regional library for the western region is getting developed in the Department of Mathematics as a national facility.

Highlights:

- Housed in the department with separate cataloguing.
- Funded by the National Board for Higher Mathematics, Department of Atomic Energy and Government of India.
- Annual Grant ₹32,00,000 (Total grant so far in tune with ₹2.1 Crores).
- About 5,000 books of Teaching and Research Level in Mathematics.
- 46 Journals subscribed; Back volume of 50 Journals.
- Free membership to anyone interested in Mathematics.
- Access to the library to visitors (up to extended hours on request).

- Two High Speed Photocopying Machines with Computer Connectivity.
- Internet Connection with access to e-resources through INFLIBNET.
- Supply of photocopies on request.
- Circulation of Library News Letter for to update users outside SPU.
- MATHSCINET.
- SOUL Server.

4.2.1 Does the library have an Advisory Committee? Specify the composition of the committee. What significant initiatives have been taken by the committee to render the library student/user friendly?

Yes, The Library has library committee which is established under the ordinance no. 93C of the University Act.

Details of Library Committee:

The Library committee is consisting of:
  (i) The Vice-Chancellor
  (ii) Heads of University Post Graduate Departments
   - Two head of departments from Basic Sciences
   - Two head of departments from Languages
   - Two head of departments from Social Sciences
  (iii) Two Principles of Degree Colleges
  (iv) Such other persons not exceeding three nominated by syndicate.

Tenure: The term of office of members under (ii), (iii) and (iv) shall be analogous to the term of Syndicate appointing each member. Librarian is the secretary to the committee.

Library committee frames the rules regulations time to time. It advises and makes the recommendations for the development of library. It also accepts the suggestions made by the librarian.

Functions of library committee are as following:

- The Library committee subject to the control of the syndicate manage the library and advise the syndicate on any matter connected with the library or referred to it by syndicate. In particular and without prejudice to generality of the foregoing power the committee have power to make recommendations to the syndicates (a) as to the administration of the funds set apart for the library and (b) other matters connected with library.
- The committee report to the syndicates for information, the purchase of books and disposal of such books as in the opinion of the committee are worthless, unserviceable or otherwise useless. For the

purpose of this ordinance, books include manuscripts and periodicals.

- The library committee have power to make rules governing the use of the library from time to time and amend them. Such rules and changes made there in, be reported to the Syndicate
- The library committee keep on account of all funds provided for the purpose of the library and forward a statement of such accounts to registrar for submission to syndicate every three months.

Some of the major resolutions carried out by library committee in last five years are as under:

- Library membership rules and regulations and its fee structure is amended for Students/Teachers/Administrative staff of affiliated colleges as well as Self financed/Adhoc teachers.
- Resolution was passed to sign MoU with INFLIBNET for Shodhganga project.
- Digitization and Digital Archiving of Printed Theses will be provided.
- Reference material shall not be issued. To any staff member of the university and affiliated colleges.
- Resolution was passed for installation of CCTV camera in 2012.
- Teaching staff of Sardar Patel University now onwards entitle for issuing five books only and the tenure of two months. And those who have already issued more than five books should return their issued books. The books shall be renewed time to time.
- DELNET Membership continued.
- University has accepted the centre for ILL (Inter Library Loan) through INFLIBNET centre.

4.2.2 Provide details of the following:
- **Total area of the library (in Sq. Mt.)**
- **Total seating capacity**
- **Working hours (on working days, on holidays, before examination, during examination, during vacation)**
- **Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone for accessing e-resources)**
- **Clear and prominent display of floor plan; adequate sign boards; fire alarm; access to differently-abled users and mode of access to collection**

Total area of the library: 4309 Sq. Mt.

The area of the departmental libraries is shown in the following table.

Sr. No.	Department	Carpet Area (Sq. Mt.)	Seating Capacity
1	Department of Biosciences	85.94	25
2	Department of Chemistry	348.39	40
3	Department of Computer Science	83.61	25
4	Department of Electronics	111.48	35
5	Department of Home Science	37.16	12
6	Department of Materials Science	37.16	12
7	Department of Mathematics	201.23	45
8	Department of Physics	92.90	27
9	Department of Statistics	48.77	10
10	Department of Business Administration	485.88	50
11	Department of Business Studies	18.58	05
12	Department of Economics	55.74	15
13	Department of English	167.23	45
14	Department of Gujarati	74.32	20
15	Department of Hindi	27.87	08
16	Department of History	9.29	02
17	Department of Political Science	41.81	12
18	Department of Psychology	185.81	45
19	Department of Education	139.35	35
20	M B Patel College of Education		
Total Carpet Area (of all departmental libraries)		**2,218.52**	

Total seating capacity: 700+

Working hours: The Library is kept open on all days of the year including Sundays and Saturdays, except on national holidays and on days declared as holiday by the University. It is kept open for 14 hours a day from 8 am to 10 pm.

Timings   : Reading Room: 8.00 a.m. to 10.00 p.m. (14 Hours)
On working days   : 8.00 a.m. to 10.00 p.m. (14 Hours)
On holidays   : 8.00 a.m. to 10.00 p.m. (14 Hours)
Before examination : 8.00 a.m. to 10.00 p.m. (14 Hours)
During examination : 8.00 a.m. to 10.00 p.m. (14 Hours)
During vacation   : 8.00 a.m. to 10.00 p.m. (14 Hours)
Circulation / Reference Section: 10.00 a.m. to 5.30 p.m. (07 Hours)
(Excluding 2nd & 4th Saturdays, Sundays & Public Holidays)
Layout of the library (individual reading carrels, lounge area for browsing and relaxed reading, IT zone or accessing e-resources)

Map of Stack Areas

Universe of Knowledge BHAIKAKA LIBRARY

STACK-1 [GROUND FLOOR]
➡Gujarati Novels & Short Stories ➡Economics
➡ All Gujarati Literature➡Political Science
➡Linguistics ➡Psychology
➡ Education➡General Statistics
➡ Law➡Religion
➡ General Works

STACK-2 [FIRST FLOOR]
➡Science & Technology
• Bioscience
• Mathematics
• Statistics
• Electronics
• Physics
• Chemistry
• Computer Science
➡ Literatures
• Hindi Literature
• Sanskrit Literature

STACK-3 [SECOND FLOOR]
➡Reference Collection ➡English Literature
• Encyclopedias ➡Library Science
• Dictionaries ➡History (English)
• GyanGangotri ➡ Geography
• Gujarati VishvaKosh➡ Biography
• BhagvadGomandal ➡ Sardar Patel Collection
• Pamphlets ➡ GandhianStudies
• Census

STACK-4 [THIRD FLOOR]
➡ Dissertations
➡ Thesis
➡ Back Volumes of Journals / Periodicals

- **Signboards:** For facilitating the users, the plan of each floor is graphically displayed at the entrance of first floor. Signboards are adequately placed and utilized at the premise to assist the users.
- **Fire Alarm:** Fire safety tools are available.
- **Access to differently-abled persons:** Differently able students are provided and availed of help in informal ways. Library personnel facilitate differently able learners according to their learning needs. There is a ramp for the physically challenged students to go upstairs on the first and second floors. This ramp is available in the side ways of the ground floor.
- **Accessing e-resources:** An e-recourses be accessed from any place on the campus through campus network. Some of the e-resources that can be accessed include Science Direct, JSTOR, Project Muse, Springer Link, Taylor and Francis, Wiley Blackwell Publishing, IEEE *Xplore* Digital Library, Cambridge University Press and Oxford University through INFLIBNET and Shodhsindhu.

The following are the details of Mode of Access to Collection:

Sr. No.	Name Of Database
01	American Chemical Society
02	American Institute of Physics
03	American Physical Society
04	Annual Review
05	Cambridge University Press
06	Economic & Political weekly
07	Emerald
08	Institute of Physics
09	ISID
10	JCCC
11	JSTOR
12	MathSciNet
13	Nature
14	Oxford University Press
15	Portland press
16	Project Euclid
17	Project Muse
18	Royal Society of Chemistry
19	Science Direct
20	SIAM
21	Springer Link
22	Taylor & Francis
23	Web of Science
24	Wiley-Blackwell
25	DELNET

4.2.3   Give details of the library holdings:

a)   Print (books, back volumes and theses)

The total number of books in possession in the Bhaikaka library is approximately **2,40,000.**

The total number of Print books, back volumes and theses added in the last five years at the Bhaikaka library is shown in the following table.

Print Books	**20,024**
Theses	**881**
Back Volumes	**834**
Total	**21,739**

b) Average number of books added during the last three years

In the last three years total **12,436** new books are added to the Bhaikaka library.

c) Non Print (Microfiche, AV)

The services of microfiche are not available. There are total 158 audio and video cassettes available on varied topics from different disciplines.

d) Electronic (e-books, e-journals)

Total e-books   : 87,368
Total e-journals : 9,442

e) Special collections (e.g. text books, reference books, standards, patents)

Category of collection	Books
American Special collection	158 Printed books
Sardar Patel Special collection	214 (Approximate)
Ghadhian Special collection	300 (Approximate)
Non material Collection	120

Bhaikaka Library is looking after all the activities related to Publication since the inception of University.

The University has been publishing the following Journals/Bulletins on regular basis:

- Sheel Shrutam (Monthly news bulletin of the University) (Bhaikaka Library).
- Vocational Guide (University Employment Bureau).
- Journal of Education and Psychology (Department of Education, Sardar Patel University, Vallabh Vidyanagar).
- ArthaVikas (Department of Economics, Sardar Patel University, Vallabh Vidyanagar).
- PRAJNA-University Journal of Basic Sciences.
- PRAJNA-University Journal of Social Science and Business Studies.
- Journal of Engineering and Technology (Birla Vishwakarma Mahavidyalaya).
- Mimansa-Journal of English Literature (Department of English, Sardar Patel University.
- Synergy-Journal of Business Studies Administration (Department of Business Administration, Sardar Patel University).

192 books have been published so far by the Publication Section of Bhaikaka Library, Sardar Patel University, Vallabh Vidyanagar.

GyanGangotri Gujarati Publication (A Book of Knowledge in Gujarati language)

The GyanGangotri series, a book of Knowledge is a valuable publication of our university from the generous grant received from the Central and State Government and Donations from Hari Ohm Ashram and others has came to be just such an Encyclopaedia but with a different knowledge and information embodied in the essays of various subject, arranged and collected in different volumes. The series has been widely acclaimed as unique collection. The University naturally feels gratified for having answered the need of such books. So far thirty (30) volumes in Gujarati and five in Hindi have been published. The list of the publications is availed on the Website of Sardar Patel University.

f) Question Banks

The question papers of previous years are uploaded on university websites.

The question sets of university examinations are maintained by departmental library.

4.2.4 **What tools does the library deploy to provide access to the collection?**

The University Library has electronic Resource Management Package which generates efficient access to –

OPAC

Online public access catalogue using SOUL (Software for University Library) is available at Bhaikaka Library and all departmental libraries. All the sections of the library can access the library OPAC through LAN from any section. For users, the access to OPAC is as below:

WEBOPAC (From the Department also any one can access)

Web link: http://172.16.120.5/webopac/main.aspx

Electronic Resource Management package for e-journals

The Bhaikaka Library uses the software package for effective Resource Management. The e-journals and e-books are accessible through the following:

- Library Portal
- UGC-INFONET
- DELNET

The University is having collaboration with various e-resources.

Federated searching tools

Federated searching tools are available to search articles in multiple databases.

Library Website

http://www.spuvvn.edu/administration/service_centres/library/

In-house/remote access to e-publications

One can access the list at **http://www.spuvvn.edu/pub-pdf.pdf.**

4.2.5 **To what extent is ICT deployed in the library? Give details with regard to**
- **Library automation**
- **Total number of computers for general access**
- **Total numbers of printers for general access**
- **Institutional Repository**
- **Content management system for e-learning**
- **Participation in resource sharing networks/consortia (like INFLIBNET)**

Bhaikaka Library is using Soul 2.0 Software for library automation.

The following Services are provided in the library for ICT use:

- Reading Room Facilities
- Internet Facilities
- Cyber Café
- Women's Reading Room Facilities
- Documentary Delivery Services
- Photocopying facilities
- Membership with
    1. INFLIBNET(UGC INFONET Consortium)
    2. DELNET
- Reference Services
- Online Public Access Catalogue (OPAC
- Scanning Facilities
- CD Writing
- Current Awareness Services
- Selective Dissemination Information (SDI)
- Wi-Fi Services

Total number of computers for general access

The total number of computer for general access is 25+.

Total numbers of printers for general access

There are total 11 printers and 02 Barcode printers.

Internet band width speed

Internet Bandwidth is provided by University's G H Patel computer centre. The band width speed is 1Gbps line under NMPICT Project from NIC which provides 100 Mbps downloaded speed and 50 mbps upload speed.

Institutional Repository

Library is in process of making Institutional repository to enable the online access to our own library resources/publications.

Content management system for e-learning

 E learning resources are in the process of preparation.

Participation in resource sharing networks/consortia (like INFLIBNET)

Library has document delivery centre from INFLIBNET by which we are serving documents (Books or Journals in any form) at free of cost to rest of Indian universities. Services are provided on request basis.

4.2.6 **Provide details (per month) with regard to**
- **Average number of walk-ins**
- **Average number of books issued/returned**
- **Ratio of library books to students enrolled**
- **Average number of books added during the last four years Average number of login to OPAC**
- **Average number of login to e-resources**
- **Average number of e-resources downloaded/printed**
- **Number of IT (Information Technology)literacy trainings organized**

Average number of walk-ins

Following table shows the average number of walk-ins in the library.

Year	2010-11	2011-12	2012-13	2013-14	2014-15	**Total**
No. of Walk-Ins	12,400	9,000	9,138	7,638	9,734	**47,010**

Average number of books issued/returned

Following table shows the average number of books issued/returned in the library.

Year	2010-11	2011-12	2012-13	2013-14	2014-15	Total
Issue	10959	6426	5671	6215	5926	**35,197**
Return	11436	7695	6312	6056	5862	**37,361**
Total	**22,395**	**14,121**	**11,983**	**12,271**	**11,788**	**72,558**

Ratio of library books to students enrolled

The following table shows the details of Ratio of books to students enrolled.

Year	2010-11	2011-12	2012-13	2013-14	2014-15
Students	2191	2300	2216	2473	2356

Average number of books added during the last four years

In the following table the books added during last five years is shown.

Year	2010-11	2011-12	2012-13	2013-14	2014-15	Total
Books	4,555	3,033	6,153	2,871	3,412	**20,024**

Average number of login to OPAC

The WEBOPAC service is available during office hours. Readers and students are availed of these facilities as per their needs.

Following is the link for WEB OPAC.

Link:**172.16.120.5/webopac2/main.aspx**

Average number of login to e-resources

Average number of login to e-resources is shown in the following table.

Sr. No.	Name of Database	Total hits received				
		2010	2011	2012	2013	2014
01	American Chemical Society	10,860	9,478	11,972	10,901	10,263
02	American Institute of Physics	436	1,038	1,116	549	839
03	American Physical Society	2549	4,452	2,348	1,750	1,500
04	Annual Review	247	54	526	429	569
05	Cambridge University Press	306	305	513	412	449
06	Emerald	-	173	180	1,068	133
07	Institute of Physics	2,808	3,317	3,161	1,898	1,537
08	JCCC	29,316	5,653	4,753	2,134	301
09	JSTOR	5,185	5,188	4,115	3,572	2,284
10	MathSciNet	352	743	1,424	3,178	5,034
11	Nature	344	482	456	461	522
12	Oxford University Press	2,164	1,972	2,077	1,550	1,537

Sr. No.	Name of Database	Total hits received				
		2010	2011	2012	2013	2014
13	Portland press	-	07	-	-	-
15	Project Euclid	32	25	39	18	28
16	Project Muse	430	299	456	276	75
17	Royal Society of Chemistry	1,890	2,333	4,902	6,059	5,749
18	SIAM	07	04	-	01	01
19	Springer Link	12,694	17,009	14,332	15,209	10,307
20	Taylor & Francis	4,830	2,835	4,786	3,824	2,857
21	Web of Science	1,032	6,148	3,111	2,250	3,749
22	Wiley-Blackwell	5,476	8,785	-	3,459	7,234
23	Elsevier	609	57,367	58,694	55,757	54,559

The library provides services of Shodhganga and Shodhsindhu. The library has signed MOU with INFLIBNET for these services. It facilitates the university research scholars for qualitative research.

The details about the access of these two services are shown as under

Access to Shodhganga	2,400 uploaded (Approximate Theses)
Access to shodhsindhu	Provided by INFLIBNET 15000+eJournals

Average number of e-resources downloaded/print

The service is available and students and researchers use it as per their requirement.

Number of IT (Information Technology) literacy trainings organized

The demands of the IT (Information Technology) literacy trainings are taken care of by the Department Of computer Science and computer centre of the university. The academic and administrative personnel of the university are trained for acquiring techno savvy skills as per the requirements of their roles. The details are under.

Training for freeware

The University has begun to train students in the effective use of relevant freeware. The use of the technical software LaTEX is taught to MPhil/PhD scholars in the University Departments of Mathematics, Statistics, and Physics with a view to equip them with the necessary skills to be able to prepare technical material.

Training in specialized software

Relevant computer courses with practical training on computers are offered in many Departments. Besides computer programming course of varying degrees of sophistication, also include training students in effective use of readily available specific software like FORTRAN in

Physics, MATLAB and MATHEMATICA in Mathematics, SPSS in Statistics, SOUL in Library Science etc.

4.2.7 Give details of specialized services provided by the library with regard to
- **Manuscripts**
- **Reference**
- **Reprography/Scanning**
- **Inter-library Loan Service**
- **Information Deployment and Notification**
- **OPACS**
- **Internet Access**
- **Downloads**
- **Printouts**
- **Reading list/ Bibliography compilation**
- **In-house/remote access to e-resources**
- **User Orientation**
- **Assistance in searching Databases**
- **INFLIBNET/IUC facilities**

The details related to above points are mentioned in the following table.

Services	Yes/No	Details
Manuscript	Yes	• 06 Manuscripts (in Gujarati Department). • Varied sized folders of 136 sets of published manuscripts, 99 sets of unpublished manuscripts and 163 sets of printed manuscripts are available with University Museum.
Reference Services	Yes	• Library orientation program: To aware the students, faculty members and researchers about primary and secondary sources available in the library.
Reprographic/Scanning	Yes	• On Request Basis.
Inter Library Loan Service	Yes	• On Request Basis.
Information Deployment	Yes	• Important and current information are communicated through Notice Board.
OPAC	Yes	• http://172.16.120.5/webopac/main.aspx
Internet Access	Yes	• Through Cyber café.
Download	Yes	• Download is free of charge. • No restrictions or Download limits.
Printout	Yes	• On Request Basis.

Services	Yes/No	Details
Reading List/Bibliographic compilation	Yes	• Available through OPAC and Internet.
In-house/remote access to e-resource.	Yes	• Through Cyber café.
User Orientation	Yes	• It is conducted since 2009 in the month of July or August and continuous for One Month. Time is scheduled at convince of department.
Assistance in searching database.	Yes	• Personal attention.
INFLIBNET/IUC		• Through Cyber café

Our library is recognized as document delivery centre. So, we are always ready to provide the information on request basis. The library also provides inter library loan services. The details are available here.

Library loan services

Sr. No.	Date	Name of ILL Requester	Requested title of articles	Call nos.
1	12-03-2010	Dr Sangeeta Kaul, Network Manager, DELNET, New Delhi	Overcoming loss of accuracy when using correct finite element By McLeod R.	541 W4 M2 105840
2	13-10-2010	G Sharath (Research Student) Deptt.of Studies in Mathematics University of Mysore Mysore.	Indian Journal of Mathematics	Vol.47, No.1, Year-2005, pp.99-122.
2012				
3	05-04-2012	M. M. Kher BRD School of Biosciences S.P.University, V.V.Nagar Article Received From: Rajesh Singh, Deputy Librarian Uni. Of Delhi, Delhi	Regeneration whole Fertile Plants from 30,000-y-old Fruit Tissue Buried in Siberian Permafrost	Proceedings of the National Academy of Sciences of the United States of America Vol.109, No.10, Year-2012 Pages-4008-4013
4	05-04-2012	K.S. Rao BRD School of Biosciences S.P. University V.V.Nagar	The Unfold Protein Response : From Stress Pathway to Homeostatic	Science Vol.334 No.6059 Year-2011 Pages- 1081-1086

Sr. No.	Date	Name of ILL Requester	Requested title of articles	Call nos.
		Article Received From: Rajesh Singh, Deputy Librarian Uni. Of Delhi, Delhi	Regulation	
5	09-07-2012	Rita Mahapatra, Res. Student BRD School of Biosciences S.P. University Article Received From : Rajesh Singh, Deputy Lib. Uni. Of Delhi, Delhi.	Identification and Characterization of Maize pathogenesis related proteins.	Plant Molecular Biology Vol.11, No.4 Year-1988 pp. 529-538
6	03-08-2012	Dr. M. B. Bhatt Deptt. Of Ststistics S.P. University Article Received From : DELNET, New Delhi.	• Carbonization and Graphitization • Optical Anisotrophy in Cokes from High-rank coals • Development of Optical Anisotrophy in vitrains during carbonization	(1) Carbon Vol.22 No.6, pp.521-541 (2) Fuel, May-1988, Vol.67 (3) Fuel, July-1973, Vol.52,
7	25-09-2012	Dr. M. B. Bhatt Deptt. Of Statistics S.P. University Article Received From : Nagireddy Y. Librarian, University of Hyderabad	Distributions Determined by Conditioning on a pair of order Statistics	Metrika Vol.39, No.1 Year-1992 pp.107-112
8	08-10-2012	Barot Rinkesh A. (Res. Student) Deptt. Of Physics S.P. University Article Received From : Rajesh Singh, Deputy Lib. Uni. of Delhi	Copper(II) Complexes of Sulfanilamide Derivates	Transition Metal Chemistry Vol.4, No.5 Year-1979 pp.285-288
9	15-10-2012	Dr. S.H. Mandalia Bhaikaka Library S.P. University Article Received From: Banasthali University, Banasthali Vidyapith.	Vitamin C : Newer Insights into its Biochemical Functions	Nutrition Reviews Vol.49, No.3 Year-1991 pp. 65-70

Sr. No.	Date	Name of ILL Requester	Requested title of articles	Call nos.
2013				
10	10-10-2013	Mr. Mukesh (Res.Student) Deptt. Of Mathematics S.P.University Article Received From: Rajesh Singh, Deputy Lib. Uni. of Delhi	Numerical Modelling of Magnetic Fluid-based Squeeze Film between Rotating Transversely Rough Curved Circular Plates	International Journal of Computational Materials Science and Surface Engineering Vol.4, No.3, Year-2011 pp.185-204
11	14-12-2013	M. S. Ravikumar Dr.B.R.Ambedkar Memorial Lib.-Acharya Nagarjuna University Nagarjunanagar	Control Charts for Simultaneous Monitoring of Unknown Mean and Variance of Normally Distributed Processes	Journal of Quality Technology Vol.45, No.4 Year-2013
12	19-12-2013	Shailashree S. Vanaki (Prof.) Basavanal Library, Karnataka University, Karnataka	Penetration of Scheduled Commercial Banks in Rural Areas : A Comparative Study	Indian Journal of Finance Vol.7, No.1 Year-2013 pp.38-43
2014				
13	03-02-2014	Jignesh Gondaliya (Res.Student) Deptt. Of Statistics S.P. University, V.V.Nagar Article Received From: INFLIBNET Centre, Gandhinagar	Sequentially Balanced Three-Squares Cross-Over Designs	Statistics in Medicine Vol.15, Oct.1996 pp. 2143-2147
14	05-06-2014	Amir Hussain Deptt. Of Social Work	Handicrafts of Meghalaya : An Analysis of the Marketing Practices	Indian Journal of Mareketing Vil.-43, No.5, pp.49-57.
15	07-06-2014	JCCC@UGC-INFONET	Use of Electronic Information Resources in Adesh in Punjab, India : A Case Study	PEARL – A Journal of Library and Information Science, Vol.7, No.4, Year : 01-12-2013

Sr. No.	Date	Name of ILL Requester	Requested title of articles	Call nos.
16	30-6-2014	Sanjeev, (Res. Student) Centre for Social Works, Panjab University	Sanitation Through Toilet	Science Reporter Vol.50, No.11 Year-2013
17	01-07-2014	Irawwa Gokak, Botany Deptt. Karnatak University, Karnatak	Effect of Mn Doping on Microstructure and Optical Properties of Nanocrystalline ZnO	Nano Journal Vol.8, No.6, Pub.Date : 1-12-2013
18	22-09-2014	Dr. Narendra Sharma, Uni. Of Rajasthan, Jaipur	Accessing Pattern of Electronic Journals through UGC-Infonet by the Faculty Members and Research Scholars in Alagappa University : A Study	PEARL – A Journal of Library and Information Science Vol.7, No.1, Pub. Date: 1-3-2013
19	18-10-2014	Sushil Kumar Chaudhari Devilal University, Sirsa	Investors' Perception about Mutual Funds in India : An Empirical Study	Indian Journal of Finance Vol.7, No.1 Pub. Date: 1-1-2013
20	22-12-2014	Dr M. B. Bhatt Deptt. Of Statistics, S.P. University Article Received from: DELNET, New Delhi	Estimating the Mean of Selected Uniform Population	Abstract from : Estimating the Mean of Selected Uniform Population
2015				
21	20-01-2015	Dhani Ram, Central Uni. Of Himachal Pradesh, Dharamshala	Comparative Study of Open Source Software in Library Automation Network in Academic Institutions of Andhra Pradesh : A Survey	PERL- A Journal of Library and Information Science Vol.7, No.4, Pub.Date : 1-12-2013

Sr. No.	Date	Name of ILL Requester	Requested title of articles	Call nos.
22	21-01-2015	Aditya Ram Central Uni. Of Gujarat, Gandhinagar	Collection Development in the University Libraries of Gujarat State : An Evaluative and Comparative Study	PERL- A Journal of Library and Information Science Vol.7, No.2, Pub.Date : 1-6-2013, pp.128
23	23-01-2015	Dr. M. B. Bhatt, Deptt. Of Statistics, S.P. University, V.V.Nagar	Sequential Estimation in two-truncation Parameter Family of Distributions under Type II Censoring	Statistical Methods and Applications Vol.3, No.3 Pub.Date: 1-10-1994 pp.385-396
24	27-01-2015	Dr. M. B. Bhatt, Department of Statistics, S.P. University, V.V.Nagar	Shortest Confidence Interval Estimation for Families of Distributions Involving Two Truncation Parameters	Metrika Vol.37, No. 1 Year : 1990 pp.353-383
25	23-02-2015	Prof. D.C. Tiwari Jiwaji University, Gwalior	Effect of Airborne Contaminants on the Wettability of Supported Graphene and Graphite	Nature Materials Vol.12, No.10 Pub.Date: 1-10-2013 pp.925-931
26	25-02-2015	Pukhrambam, Dipak	Effect of airborne Contaminants on the wettability of supported grapheme and graphite	Journal of Nature Materials
27	04-03-2015	Manupriya, UIAMS, A C Joshi Library, Punjab University	Measuring Customer Based Brand Equity Using Aaker's Model	Indian Journal of Marketing Vol.43, No. 3 Pub.Date : 1-3-2013 pp.5-13.

BHAIKAKA LIBRARY ILL (Inter Library Loan) Services

Sr. No.	Date	ILL Requester Name	Requested Title of Book	Call Nos.
[2011]				
1	18-07-2011	Dr.T.S.Kumbar, Librarian Dhirubhai Ambani Instt. Of Info. & Communication Technology	The Psychology of Music	781.15 S3 P8 25001
[2012]				
2	30-05-2012	Dr. M.B. Bhatt Deptt. Of Statistics Book Received From DELNET, New Delhi.	Order Statistics and Inference By N.Balakrishnan	519.2 B2 O7 30246
[2013]				
3	22-01-2013	DELNET, New Delhi.	Photoelectrochemical Solar Cells	621.31244 S2 P4 169136
4	27-05-2013	DELNET, New Delhi.	Ratlam ka Pratham Rajya	H.954.2 R2 R2 85488
[2014]				
5	15-09-2014	DELNET, New Delhi	Control of Food Quality and Food Analysis	664.07 B4 C6 135952

4.2.8 Provide details of the annual library budget and the amount spent for purchasing new books and journals.

The following table indicates the details related to annual library budget and amount spent in Rupees for purchasing new books and journals.

Year	2010-11	2011-12	2012-13	2013-14	2014-15
Budget(Under UGC Plan) (XI,XII Plans) Amount in ₹	126.00 Lac (2007-2012)		86.00 Lac	64.00 Lac (2013 to 2017)	
Amount spent on Books (in ₹)	39,86,211	35,06,817	86,00,000	17,52,131	16,05,567
Amount spent on Journals (in ₹) (Recurring & SAP Grant)	71,33,840	74,21,946	76,96,702	66,46,268	51,81,895
e-books (in ₹)			5,28,426		
e-Journals(in ₹)	54,599	59,239	17,81,954		14,20,350

4.2.9 What initiatives has the university taken to make the library a 'happening place' on campus?

Following Initiatives has been taken to make the library a 'Happening Place':

- Internet connectivity is given by University Authorities. Cyber café and Wi-Fi facility is provided.
- MoU is signed for Shodhganga project.
- Infrastructure like building renovation has been done. Women reading room is being separated. Server Room, Periodical section, OPAC Room, Audio-Visual Room and Meeting Room is renovated and reorganized. Wooden cupboard had been constructed. As per the requirement electrification is done. Journals Display cupboards are given.
- Computerized overhead projector with white screen (Tripod) is given. So, we can organize Library Orientation Programme.
- A separate unit named as Career corner for students preparing for competitive examinations is created.
- Electricity Generator is available.
- XEROX and its maintenance is given by the University.
- RO facility is installed.
- Capture of data and its sending to users on demand via social media is initiated.

4.2.10 What are the strategies used by the library to collect feedback from its users? How is the feedback analyzed and used for the improvement of the library services?

For improving the facilities of the library and creating a learner friendly conducive climate, the library collects feedback from the readers and students in informal ways. At the outset of each academic year an orientation programme for the students and faculty members is organized. At the end of the programme, student representatives from each discipline shares the views and accordingly improvements are made.

4.2.11 List the efforts made towards the infrastructural development of the library in the last five years.

The Bhaikaka library had made the correspondence/presentations with University and INFLIBNET and NAAC committee and have developed facility of Electricity Generator, Cyber café, Women reading room, periodical section, , OPAC Room, Audio-Visual Room, Meeting Room, Good Flooring, Parking facility, RO System (Clean Drinking Water) and reprographic (Xerox) services are developed in the last five years.

4.3 IT INFRASTRUCTURE

G H Patel Computer Centre is the hub responsible for automation in the University. It is also responsible for establishing ICT facilities in the University. The new developments that have taken place in the academic 2014-15 year include:

- The university has implemented web-based portal for automation of core university processes. Computer Centre has played a pivotal role for successful implementation of the portal and also continuing support for troubleshooting.
- Many departments are provided Wi-Fi facilities. The networking infrastructure is strengthened. Total internet users have gone up to 1000 including Wi-Fi users.
- The Work Flow System was developed and will be functional from the next academic year. This system will help in fast movement of files and help to establish a paperless environment.

The Computer Centre staff viz. Data Entry Operators were trained on the new process of data entry.

The details of ICT infrastructure at the departments and university office is given in the following table:4-A.

Sr. No.	Department	No of Computers	ICT Enabled Classrooms	No. of LCD Projectors in Dept.	IT Enabled Seminar Halls	Student Computer Ratio
1	Biosciences	59	06	06	01	03
2	Business Studies	66	06	07	01	07
3	Computer Science	209	08	10	02	01
4	Chemistry	40	06	06	02	03
5	Economics	35	01	02	01	05
6	Education	15	01	01	01	02
7	Electronics	51	02	03	01	01
8	Gujarati	19	01	01	01	07
9	Hindi	08	01	01	Shared Basis	20
10	History	03	01	01	Shared Basis	55
11	Home Science	25	03	04	Shared Basis	05
12	Library & Information Science	38	02	03	Shared Basis	01
13	Materials Science	25	02	02	01	01
14	Mathematics	105	08	10	01	03
15	Business Administration (MBA)	113	07	08	02	01
16	Social Work (MSW)	21	01	04	01	25
17	Physics	88	01	06	01	02
18	Political Science	03	01	01	Shared Basis	09
19	Psychology	05	01	01	Shared Basis	98
20	Pharmaceutical Science	26	03	03	01	01
21	Sanskrit	05	01	01	Shared Basis	22
22	Sociology	08	01	01	Shared Basis	20

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Sr. No.	Department	No of Computers	ICT Enabled Classrooms	No. of LCD Projectors in Dept.	IT Enabled Seminar Halls	Student Computer Ratio
23	Statistics	152	08	10	02	01
24	University Instrumentation Centre (USIC)	04				
25	Centre for Interdisciplinary Studies in Science & Technology (CISST)	24	02	02	01	10
26	IQAC	02		01	01	
27	University Administrative Building (Main Office)	88				
28	Computer Centre	67	01	02		
29	Bhaikaka Library	31		01		
30	Humanities Building Office	49				
31	University Press	13				
32	University Museum	03		01	01	
33	M B Patel College of Education	33	01	03	01	06
34	University Health Centre	03				
35	Agro Economics Research Centre	43	01	02	01	
36	C C Patel Community Science Centre	02		02	01	
37	Community Radio Station	01				
	Total	**1482**	**77**	**106**	**25**	

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4.3.1 Does the university have a comprehensive IT policy with regard to IT Service Management?

Yes, a consistent IT policy is used for the entire campus for providing hardware, software, Internet infrastructure and services, Antivirus solution, etc.

The University has always laid stress on the usage of Information and Communication technology in the entire campus to improve the teaching-learning and administrative processes. Laptops, Desktops, printers and scanners are provided to almost all the faculty members and state-of-the-art computer laboratories are established in many departments with 24x7 Internet facilities. The Computer Centre facilitates Internet services to all the departments and administrative sections of the University. University Website is regularly updated with help of the Computer Centre. An ICT network is established in the University that connects all departments on-campus as well as satellite campuses. Wi-Fi is provided in many departments and Students hostels.

The Computer Centre helps in establishing LAN, policies of providing Internet services, installation of software, troubleshooting of hardware and network problems.

Information Security

Information security is provided on each node by installing centrally administered Antivirus solution (the University has already used MacAfee, Trend micro and Quick Heal Antivirus Solution).

Network Security

For network security Cyberoam (an appliance for network security) is installed. A uniform IT policy is devised on the usage of websites in the entire university and Internet speed on each node in the network.

Risk Management

Appropriate backup infrastructure is developed at the Computer Centre to avoid loss of data in unforeseen circumstances

Software Asset Management

Certain licensed software available with computer centre and computer science department is provided to the users on need basis.

Open Source Resources

University has always insisted to use either licensed software or free open source software wherever it is required to use. Sardar Patel University has established collaboration with IIT Bombay Spoken

Tutorial program. Under this collaboration, an opportunity to conduct Software Training Program, free of cost to all affiliated colleges and university departments of Sardar Patel University.

The details about the MOU of this collaboration can be accessed through the following link:

http://www.spuvvn.edu/academics/computer_science/iitmum.pdf

In this way, university has promoted the use of Open Source Resources wherever possible.

The department of Computer Science has initiated a policy to purchase IT resource through the appropriate channel and after the approval of authority, the purchase process is initiated.

Green Computing

For green computing, some measures like power switch off the computers/printers when not in use, printing on both sides of a pages and other general information for less use of papers, energy, ink, and toner are followed.

4.3.2 Give details of the university's computing facilities i.e., hardware and software.
- **Number of systems with individual configurations**
- **Computer-student ratio**
- **Dedicated computing facilities**
- **LAN facility**
- **Proprietary software**
- **Number of nodes/ computers with internet facility**
- **Any other (please specify)**

Number of systems with individual configurations

Sr. No.	Processor/RAM	Make/ Brand	Total
1	Core (TM) i7/4gb	HP	04
2	Core (TM) i5/4gb	HP/Dell	17
3	Core (TM) i3/4gb	HP/Dell	10
4	Dual Core /4gb	HP/Dell/Acer	25
5	Core 2 Duo/2gb	HP/Dell/Compaq	03
		Total	**59**

Laptops

Processor	Make/Brand	Total
Core 2 Duo/2gb	HP	03
Core (TM) i5/4gb	Dell	01
	Total	**04**

Servers

Sr. No.	Brand	CPU Type	Make	OS
1	Power Edge E410	Intel (R) - Xeon(R) CPU E5620	Dell	Windows 2008(R)
2	HP Proliant DL 380	Intel (R) - Xeon(R) CPU 2.8	HP	Windows 2003(R)

Exclusively for Online System				
3	IBM System x3650 M4 (3 Nos.)	System	IBM	Windows 2012
	TS 2900 Tape Auto Loader	System Storage	IBM	
	IBM DS 3512	Storage Device	IBM	

Printers

[A] Heavy Duty Printers

Sr. No.	Brand	Make	Total
1	HP Laser Jet 4250 dn	HP	3
2	HP Laser Jet 9040 dn	HP	4

[B] Xerox Cum Printers

Sr. No.	Brand	Make	Total
1	Image Runner 2530	Canon	2

[C] Colour Printers

Sr. No.	Brand	Make	Total
1	HP Desk Jet 1180 C	HP	1
2	HP Laser Jet CP 2025	HP	1
3	HP Laser Jet 500 Color M551	HP	1

[D] Laser Printers

Sr. No.	Brand	Make	Total
1	Laser Jet Pro M 202 DW	HP	2
2	EPL N 2500	EPSON	1
3	HP 2055 DN	HP	1
4	HP P 3015	HP	1
5	HP Laser Jet P 1606 DN	HP	1
6	HP Laser Jet 1320	HP	1
7	HP Laser Jet P 2015	HP	1

Scanners

Sr. No.	Brand	Make	Total
1	Image Runner 2530 A/3 Network Scanner	Canon	2
2	HP Scan Jet - C7710 A	HP	1
3	HP Scan Jet - 5590	HP	3

Reprographic Service

Sr. No.	Brand	Made By	Total
1	Image Runner	Canon	2

UPS

Sr. No.	Brand	Capacity	Total
1	APC	1.5 KVA	29
2	APC	0.6 KVA	02
3	Emerson Network Power UPstation (GXT AV)	2 KVA	01
4	APC Make Long Time Backup Battery System		01

Computer-student ratio Please Refer Table: 4-A

Dedicated computing facilities Please Refer Table: 4-A

LAN facility

Sr. No.	LAN Name	No. of Connected Nodes
1	MIS	50
2	UMIS	10

Proprietary software

Sr. No.	Name of Software
1	SPU Management System
2	Office 2007
3	Adobe Creative Suite 6
4	Visual FoxPro 9
5	Windows Server 2012
6	Windows Server 2003
7	MS SQL
8	Windows Server 2006 R
9	Symentac Backup Recovery

Number of nodes/ computers with internet facility

We are getting 1 Gbps Line under NMEICT Project from NIC which provides 100 Mbps download speed and 50 Mbps upload speed.

Internet Node Information

Year	Internet Node Existing	Add	Speed Given to User
2010-2011	300	180	2Mbps
2011-2012	480	173	2Mbps
2012-2013	653	198	1Mbps
2013-2014	851	320	512Kbps
2014-2015	1171	129	256Kbps

Server Information

Sr. No.	Server Name	Model
1	Application Server	IBM System x3650M4
2	Backup Server	IBM System x3650M4
3	Database Server	IBM System x3650M4
4	Backup Server for MIS	Dell PowerEdge T410
5	UMIS Server	Dell Vostro 200
6	Antivirus Server	Dell Optiplex 3020

Internet Facility

- NKN has provided 1 Gbps connectivity the University through BSNL
- BSNL 5Mbps specially for online system
- Total Nodes connected : 1300
- Internet connectivity to satellite campuses like Biosciences, CSC, UGC-HRDC (ASC) and Agro Economics is provided through radio link.
- There are around 1300 nodes are connected to the internet through Fibre optic and UTP Cable and WiFi.
- The Computer Centre has an appliance which takes care of uniform distribution of bandwidth to all the users.
- The computer centre is responsible to keep the network free of viruses. The antivirus software Seqrite End Point Security is used.

4.3.3 **What are the institutional plans and strategies for deploying and upgrading the IT infrastructure and associated facilities?**

The Director, Computer Centre shoulders the responsibility for developing institutional plans and deploying strategies for upgrading IT infrastructure and associated facilities. The university has Gujarat Info. Petro Ltd. (GIPL) committee for outsourcing. The committee suggests the requirements and it is fulfilled through GIPL.

The University is planning to have its own data centre that will provide access to the required information.

The university web portal is accessed on this link: **http://www.spuportal.in/SPLogin.aspx**

The Complete Enterprise Resource Planning (ERP) is available through University Management Information System. The strategies for deploying and upgrading the IT infrastructure and associated facilities are as under

Software Development

The Computer Centre has been helping the university in automation by developing software for various administrative, academic and research purposes. Software developed in-house for:

- Payroll, PF calculation, CTD calculation
- Income Tax calculation and printing of related forms
- Service book automation
- Automation of fixation and calculation of arrears
- Human resource Information

- Pre Examination Work
- Student record preparation
- On Examination Work
- Marks Entry
- Result Processing
- Preparation of Mark sheets (pre, post printed)
- Post Examination Work
- Statistical analysis for decision making
- Merit List
- Budget Preparation
- Annual account preparation
- Establishment schedule preparation
- Examination remuneration processing
- Cash & Bank book generation, trial balance generation etc.
- Computerization of admission procedures in various departments
- Merit list preparation
- Other reports

In the year 2004, a web based system was developed for various sections in-house under the supervision of the Computer Centre which worked successfully till the year 2014 in intranet. At present, a web based portal is in use.

Due to the changes in the hardware and software technologies and meet the needs of the students and other stakeholders an ERP for University Management (www.spuportal.in) was developed by outsourcing to a third party (GIPL, Gandhinagar) but the computer centre acts as the interface between the sections and the developer of the system in testing and implementing the system.

Networking Services

The centre established the campus-wide computer networking using a fibre optic backbone having a capacity of 1GB.

- Assist in establishment and maintenance of Local Area Network in Departmental Laboratories.
- Assist in establishment and maintenance of network between the departments and the Computer Centre.
- Assist in providing radio links to the satellite campuses of the University.

Internet Services

- The University is sanctioned 10 Mbps bandwidth under the NMEICT scheme. The Computer Centre provides internet services to all the departments, administrative sections and Hostels of the University. Internet services provided to the users vary from cabled to Wi-Fi. The computer centre is maintains the infrastructure required for providing internet services. The bandwidth management is also the responsibility of the Computer Centre. It is managed using Cyberoam. Three agencies are involved in providing Internet services which include Cyberoam, BSNL & NIC and the networking agency. The computer centre has to co-ordinate with these agencies to provide internet services 24*7 to the entire university.
- The internet nodes connected through cabled network are 952 and the internet nodes connected through Wi-Fi are 352 .

Website and University Portal Management

The Computer Centre manages the website of the university **www.spuvvn.edu** and is also responsible to maintain the University portal **www.spuportal.in.** The centre acts as the interface between the sections and the developer of the portal.

4.3.4 **Give details on access to on-line teaching and learning resources and other knowledge and information database/packages provided to the staff and students for quality teaching, learning and research.**

The Computer Centre was recognized as Nodal Centre by the UGC, New Delhi for providing practical training to the students of M.Sc. (Biosciences), M.Sc. (Home Science), M.A. (Psychology), students of Education department, etc. The computer centre has provided services to all these departments and helped them to setup their own computer laboratory. Presently, these services are provided to Home Science Students only.

At present computer centre provides training to the staff of the university and affiliated colleges on the usage of the portal installed for university administration.

Access to on line resources for students

Teaching of courses like Computers and Statistical methods in the Department of Biosciences, Department of Home Science and Departments of Social Sciences helps learners acquire important analytical ability for experimental studies as well as enable them to use

many modern scientific equipments with which computers remain attached effectively in modern times.

The Department of Computer Science and Technology trains students in the design and development of software.

Access to on line resources for teachers

The teachers of the university are equipped with techno savvy skills. The use of multimedia in classroom teaching is a regular feature of teaching–learning processes. Faculty members of Departments have succeeded in designing software to meet their needs like to prepare their PowerPoint presentation slides; to facilitate classroom teaching; and to keep assignments as well as reading materials on servers so that soft copies can be accessed through work stations. Most Departments have software tools required for developing computer-aided teaching-learning materials. The Department of Computer Science and Technology designs computer-aided instructions packages as aids for teaching and learning.

Furthermore Dr D J Karia of Mathematics Department has initiated **E-Groups** and is coordinating the following academic e-groups for qualitative academic interactions. The details of these e groups are ugcnetmath@yahoogroups.comand topologicalalgebras@yahoogroups.com.

Recently, to establish LAN connecting all Departments, all administrative units and the library for fast and efficient data transmission is planned. Exploring the possibility of online teaching and examination is under process.

4.3.5 What are the new technologies deployed by the university in enhancing student learning and evaluation during the last four years and how do they meet new/future challenges?

University Management Information System (UMIS) is online web-based management software for university, affiliated colleges and departments. This software helps in undertaking various administrative activities like

Academic Section Management:

- PG Enrolment and UG Registration
- Fee Management
- PEC, FEC Generation
- PG Admission

Exam Section Management:

- **Pre-examination activities:** Time Table Generation, Examination Appointment, Seat No. Generation and Hall Ticket Preparation.
- **Post-examination activities:** Marks Entry, Result Processing, Result Declaration, Mark sheet Management, Convocation Management (Degree Certificate)

MIS Reports:

- Different Statistical Analysis Reports.

UMIS helps us to streamline management and University college functioning, eliminate errors and delays in storing/retrieving information, automate validation, improve communication between University & affiliated colleges, provides different reports. This software helps us to monitor the status and priorities on action plan. It reduces redundancy & paper work, saves time and provides accuracy. It provides quick response to students.

4.3.6 What are the IT facilities available to individual teachers for effective teaching and quality research?

Laptops, Desktops, printers and scanners are provided to almost all the faculty members and state-of-the-art computer laboratories are established in many departments with 24x7 Internet facilities.

4.3.7 Give details of ICT-enabled classrooms/learning spaces available within the university? How are they utilized for enhancing the quality of teaching and learning?

Majority of the departments have classrooms with projection/smart boards**.** Some departments also have WiFi network and structured cabling. Regular classes are taken on PowerPoint presentation along with audio visual aids. e-Learning resources are provided to the students from library as well as online. The centralized cyber café in library and computer centre are also available to the students. Moreover the students also have their own laptops and network access.

The details of these facilities available at various departments are given in the Table-4A.

4.3.8 How are the faculty assisted in preparing computer- aided teaching-learning materials? What are the facilities available in the university for such initiatives?

The faculty members utilize the ICT facilities as mentioned above in 4.3.6 for preparing the material for classroom teaching and demonstration of experiments.

The physical facilities are mentioned in Table 4-A.

4.3.9 How are the computers and their accessories maintained?

The University does not give Annual Maintenance Contract. The Computers and its peripherals in the University Administrative Sections are maintained by the Computer Centre. In case of complicated problems, private agencies are entrusted the work.

The Network is maintained by the Computer Centre. The maintenance committee at the computer centre looks after the maintenance of computer and their accessories both for university and various departments.

4.3.10 Does the university avail of the National Knowledge Network connectivity? If so, what are the services availed of?

Yes, the University is member of NKN through NMEICT project.1 GBPS Internet connectivity is given by NKN to the University. The G H Patel Computer centre has Involvement with KCG. e-Content development workshops were conducted by the university with KCG under NMEICT project. Internet Bandwidth is given by BSNL under NME-ICT project by NKN.

The Computer Centre has updated the equipment and now the University has sufficient bandwidth for its users. The e-Journal can also be accessed through INFONET under their scheme. The Computer Centre is now directly connected with various Departments and sections of the University. The expenditure for Net-workers was incurred from the 11th Plan grant received by the Computer Centre. The new software to process the result under Choice Based Credit System is developed under implementation & testing by the Computer Centre.

Apart from the regular MIS activities, the computer centre provides assistance in purchasing of computer hardware and software to the entire university.

4.3.11 Does the university avail of web resources such as Wikipedia, dictionary and other education enhancing resources? What are its policies in this regard?

Yes, University avails all the web resources through central internet connectivity from the computer centre of the University. Wikipedia, E-journals and other education enhancing resources are available freely in the computers for all the departmental students and staff members. Also, students are given Wi-Fi connection in their personal laptops for internet in the Bhaikaka library.

4.3.12 Provide details on the provision made in the annual budget for the update, deployment and maintenance of computers in the university.

The maintenance of computers at the department is done by USIC and computer centre department and expenditures are incurred from working expense budget of the departments. Also the Maintenance and up-gradation, repair, etc. is done through lab expenses grant, major research projects, working grants, self-finance grants and other grants received from different funding agencies.

4.3.13 What plans have been envisioned for the gradual transfer of teaching and learning from closed university information network to open environment?

Continuous up gradation of campus network infrastructure is done from time to time for the gradual transfer of teaching and learning from closed university information network to open environment.

SANDHAN- BISAG and EDUSAT facility for live interactive lectures series has been in use for various subjects. The university faculty is involved in delivering expert lectures. The students of our university as well as others are benefitted, at the same time the students get opportunities to listen to the other experts.

4.4 MAINTENANCE OF CAMPUS FACILITIES

4.4.1 Does the university have an estate office / designated officer for overseeing the maintenance of buildings, class-rooms and laboratories? If yes, mention a few campus specific initiatives undertaken to improve the physical ambience.

Yes. The university has an estate office/designated officer for overseeing the maintenance of buildings, classrooms and laboratories.

The estate department of the university is structured as under:

The university has building and estate committee under the chairmanship of vice chancellor constituted for the construction, renovation and maintenance of all buildings and assets of university.

Here are a few campus initiatives carried out recently.

- Aluminium section window fitting was done at Bhaikaka Library.
- Rain water pipe fitting to prevent leakage at Mathematics Department and Bioscience Department.
- Water proofing treatment at M. B. Patel College of Education to prevent leakage.
- New FRP doors fitting at necessary toilet/bathrooms.
- New drainage pipe line fitting at Nehru hall hostel.
- Toilet blocks renovation with water proofing at hostels and dept.
- Paver block fitting at library and departments.

4.4.2 How are the infrastructure facilities, services and equipments maintained? Give details.

The university has generated a continuous monitoring system for maintenance of its infrastructure. The university spent a total amount of ₹1,07,40,000 for the maintenance of its infrastructure from the annual budget. The building and estate committee of the university looks after the requirements of new construction, maintenance and renovation of university assets. The university engineer manages the expenditure of budget according to the requirement of maintenance of infrastructure and physical facilities passed through the committee.

The Learning resource facilities like equipments and instruments are maintained under the supervision of University Science Instrumentation Centre (USIC) department.

The infrastructure at departmental level is maintained through the Departmental Development Fund and other grants. The Computer centre maintains the E-resources of all the departments at university level. In some circumstances, as and when required, the university and the departments extend the maintenance contract to external agencies annually.

The following table shows the details of amount spent on infrastructural Maintenance during the year 2014-15

Item	Amount (in ₹)
Repairs & Maintenance of Buildings (Budget Code : 51208)	56,40,000
Maintenance of Gardens, Roads & Drainage (Budget Code : 51209)	6,50,000

Electricity Charges & Water Supply (Budget Code : 51211)	15,00,000
Repairs & Spare of Electrical Motors & Pumps (Budget Code : 51212)	1,00,000
Additions, Alterations to Bore (Budget Code : 51213)	2,00,000
Miscellaneous Contingencies (Budget Code : 51214)	1,50,000
Panchayat Charges & Contribution etc. (Budget Code : 51215)	25,00,000
Total	**1,07,40,000**
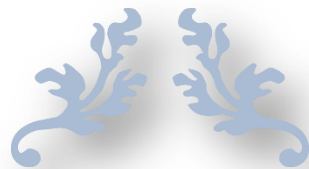
CRITERION V

[STUDENT SUPPORT AND PROGRESSION]

CRITERION-V
[STUDENT SUPPORT AND PROGRESSION]

5.1 STUDENT MENTORING AND SUPPORT

5.1.1 Does the university have a system for student support and mentoring? If yes, what are its structural and functional characteristics?

Yes, the university has a system for student support and mentoring. The following are the features of the system:

- Pre-admission counselling
- Orientation programme
- Teacher(s)-in-charge (take care of the day-to-day issues of the students related to classroom and laboratory facilities of the respective stream)
- Remedial classes
- Coaching programme for SC/ST
- Talent Search and Nourishment
- Ragging free campus
- Women cell
- Placement cell
- Hostel accommodation
- Health care
- Youth welfare and Cultural activities
- Physical education
- Industrial visit
- Soft skill development
- Ethical character building
- Socialization
- Life enrichment

5.1.2 Apart from classroom interaction, what are the provisions available for academic mentoring?

Apart from class room interaction, several mechanisms are being adopted for academic mentoring:

- Students are provided an opportunity to meet the concerned faculty member for further discussion/clarification in the subject concerned.
- Expert talks are organized.
- Seminar/Group Discussion/Soft Skill development, etc. are arranged as per the need.
- For understanding project work, teacher guides are allotted to a group of students.

- Students are provided an opportunity to interact with the faculty member through weekly contact hours as shown in the time table.

5.1.3 Does the university have any personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to wellbeing for its students? Give details of such schemes.

Yes, the university has personal enhancement and development schemes such as career counselling, soft skill development, career-path-identification, and orientation to its students. The individual department provide several opportunities to the students for their participation in extracurricular and socialization activities that are organized under a society consisting of faculty members and all the students. Lectures by eminent persons are arranged on topics other than the curricular aspects to improve the personality development and also awareness programs. Each department has a placement cell which looks after the liaison work between the student and prospective employers. Placement based test and interviews are arranged and the students are counselled for their best performance. Separate programs are organized in some of our social science and humanities departments, for improving soft skills. NET/SLET coaching classes are arranged. The students are appraised about the unique features of the department in a orientation cum welcome programme. Annual days are regularly organized and the best performing students are recognized by rewards.

5.1.4 Does the university provide assistance to students for obtaining educational loans from banks and other financial institutions?

Yes, the university provides assistance to students for obtaining educational loans from banks and other financial institutions. Moreover, the university awards fellowships and free-studentships to the deserving and needy students.

Following are the sources from where the financial assistance from other than banks can be availed:

- Scholarships offered by Government of Gujarat
- Senior and Junior Fellowship
- SC/ST Scholarship
- EBC Scholarship
- SF Fellowship
- Rajiv Gandhi Fellowship for MPhil and PhD students
- National and International Fellowship

The campus has its own bank branch of Corporation Bank. The needy students are counselled to approach this bank for loan. The process of loan application is facilitates by the department and the university by providing identity, surety and any other required formalities by the bank.

5.1.5 **Does the university publish its updated prospectus and handbook annually? If yes, what is are main issues/activities/information included/provided to students through these documents? Is there a provision for online access?**

Yes, the university publishes its updated prospectus annually. University regularly announces this information through University Website and softcopy of the common prospectus for all courses is uploaded on the site, which can be accessed from the following link:

http://www.spuvvn.edu/students_corner/admissions/Prospects-2014-15-FINAL.pdf

Prospectus includes academic programs offered by the university, eligibility criteria, admission procedure, hostel facility, faculty details, infrastructure details, academic rules and regulations, placement details, fees structure, pre and post admission information and contact details of each department.

The university handbook is also updated and published time to time. All the information to be disclosed is covered under the handbook is being kept in the office of PIO, RTI Cell for personal inspection. The copy of the handbook is made available on demand.

5.1.6 **Specify the type and number of university scholarships/freeships given to the students during the last five years. Was financial aid given to them on time? Give details (in a tabular form) for the following categories: UG/PG/M.Phil./Ph.D./Diploma/others (please specify).**

The University awards fellowships and free-studentships to the deserving and needy students as described in 5.1.4.

The details of financial assistance provided by the university for the last five years are mentioned below:

[A] Scholarships/Fellowships/Free-Studentships etc. (in ₹)						
	2010-11	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**Total**
Dr.Taraben N.Patel Scholarship				10,800	11,200	22,000
Private Endowment Scholarship	8,340	14,400				22,740
Ratilal Vallavjibhai Doshi Parivar Scholarship				14,400	14,400	28,800
Self-finance free Studentship	7,60,000	10,54,500	9,48,900	9,02,700	9,21,800	45,87,900
University fellowship	6,000	3,600				9,600
University free studentship	48,000	2,400				50,400
Total	**8,22,340**	**10,74,900**	**9,48,900**	**9,27,900**	**9,47,400**	**47,21,440**

[B] Research Scholarships/Fellowships (in ₹)						
	2010-11	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**Total**
CSIR (Council of Science and Industrial Research)	4,78,802	9,54,165	13,97,658	11,34,708	6,86,123	46,51,456
Deputation				1,54,724		1,54,724
Dr D S Kothari Postdoctoral fellowship Scholarship	1,68,935	1,59,600	7,67,648	6,90,967		17,87,150
Indira Gandhi Scholarship for Single Girl Child	1,60,000	1,40,000	30,000			3,30,000
Inspire Fellowship				12,32,581	21,00,000	33,32,581
JRF (Junior Research Fellowship)	-2,44,641	22,63,113	20,11,059	17,95,871		58,25,402
NBHM	72,000					72,000
PG Merit for	1,70,000					1,70,000

[B] Research Scholarships/Fellowships (in ₹)						
	2010-11	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**Total**
Rank Holder Scholar						
RGNF (Rajiv Gandhi National Fellowship)	1822440	38,75,831	16,55,560	6,97,365		80,51,196
Total	**26,27,536**	**73,92,709**	**58,61,925**	**57,06,216**	**27,86,123**	**2,43,74,509**

[C] Category wise Scholarship (in ₹)						
	2010-11	**2011-12**	**2012-13**	**2013-14**	**2014-15**	**Total**
Baxipanch Scholarship	8,73,942	6,22,121	13,14,084	16,18,510	34,29,965	78,58,622
EBC Scholarship	20,400	24,000	21,600			66,000
Gujarat Higher Education Scholarship	1,000	13,000	600			14,600
Handicap Scholarship	3,000	18,000	27,000	30,000	18,000	96,000
Minority Scholarship	46,500					46,500
Miscellaneous Scholarship	1,76,570	5,000	5,000			1,86,570
SC Scholarship	8,14,543	19,05,063	40,06,992	33,09,985	36,50,162	1,36,86,745
ST Scholarship	90,785	27,24,461	43,66,508	44,62,704	59,75,270	1,76,19,728
Total	**20,26,740**	**53,11,645**	**97,41,784**	**94,21,199**	**1,30,73,397**	**3,95,74,765**

5.1.7 **What percentage of students receives financial assistance from state government, central government and other national agencies (Kishore Vaigyanik Protsahan Yojana (KVPY), SN Bose Fellow, etc.)?**

The following table shows the percentage of students received financial assistance:

Year	Scholarships/ Fellowships/ Free-Studentships etc. (in %)	Research Scholarships/ Fellowships (in %)	Category wise Scholarship (in %)
2014-15	04		52
2013-14	03	02	36
2012-13	03	01	27

Year	Scholarships/ Fellowships/ Free-Studentships etc. (in %)	Research Scholarships/ Fellowships (in %)	Category wise Scholarship (in %)
2011-12	03	01	27
2010-11	03	01	22

List of the candidates Availed Financial Assistance under various schemes are shown in Annexure-24

www.spuvvn.edu/iqac/rar16/annexures/ann-24.pdf

5.1.8 Does the university have an International Student Cell to attract foreign students and cater to their needs?

The university has established a separate office named the International Students Centre (ISC) to cater to the needs of International students. The International Students Centre (ISC) of Sardar Patel University was founded in the academic year 2004-05 through a University Circular No. D-E/10/1197 dated 29.5.2004 with the twin objectives of (a) assisting the International Student Community by providing information about the various courses offered, admission procedure, eligibility criteria, fee to be charged etc, and (b) arranging for their admissions, helping them settle down quickly and happily in their studies, and taking care of their welfare.

The University attracts quite a good number of foreign students every year. The fact that the cost of living and education in Vallabh Vidyanagar is easily manageable is an additional reason for international scholars joining this University for studies.

Since its inception, the ISC coordinates all the activities related to the admission of international students through a Single Window System. It coordinates with Indian Council for Cultural Relations (ICCR), Union Ministry of External Affairs (MEA), Union Ministry of Human Resource Development (MHRD), Union Ministry of Home Affairs (MHA), and with different Embassies and Consulates for various purposes including assisting the international students to obtain Student or Research Visa, Scholarships etc.

The detail of foreign students is given elsewhere.

5.1.9 What types of support services are available for

Provide the details for the following, if applicable:

For whom	Type of support services available
Overseas students	• International Student Centre (ISC), Sardar Patel University provides general support. • Logistic support is provided with the consent of the university. • International Student Centre has provided accommodation in the University staff colony with separate rooms. Also we provide furniture, electric equipments like refrigerator, water purifier, and hot water geyser.
Physically challenged / differently-abled students	• Ramp facility. • In Gynodaya Examination Building and Department of Computer Science, lift facility is available. • Extra time, efforts and guidance is given to the needy students. • Special arrangement in classrooms as well as in the laboratories. • Information pertaining to their financial and other academic benefits is provided in time.
SC/ST, OBC and economically weaker sections	• SC/ST & OBC fellowship (State Government Sponsored) is given to these students. • UGC NET Coaching Centre at University level. • Stakeholders are informed via circular from the University for Reservation Policy and various scholarships.
Students participating in various competitions/conferences in India and abroad	• Students are motivated by senior faculty for attending various competitions/conferences and necessary guidance about Government monetary system is also given. • By providing the financial support from the department as per university rules.
Health centre, health insurance etc.	• University Health Centre (UHC). • UHC operates medical checkup and provides free medicines. • Students are also provided information about nearby hospitals to take the advantage. • Medical check-up.
Skill development (spoken English, computer literacy, etc.)	• Different educational training programmes or awareness programmes by placing the relevant information's time to time on student notice board as received directly or indirectly from Government/Non-Government Agencies/Institutions etc. • In Humanities and Social Science departments, a course is offered for all students to develop computer skills.

For whom	Type of support services available
Performance enhancement for slow learners	• Re internal test is available for slow learners. • Remedial Classes are conducted as and when required. • Extra classes and personal guidance is given to slow learners. Students can contact faculty as and when required for guidance. • Assignments, personal guidance is provided by subject teachers.
Exposure of students to other institutions of higher learning/ corporate/business houses, etc.	• Department encourages students for participation in various academic, co-curricular activities. • Students are also permitted for attending conferences, workshop and symposium etc.
Publication of student magazines	• Students are provided an opportunity to publish their articles or other materials to display on the departmental notice board.

5.1.10 Does the university provide guidance and/or conduct coaching classes for students appearing for Civil Services, Defence Services, NET/SET and any other competitive examinations? If yes, what is the outcome?

Yes, Sardar Patel University runs centre for coaching classes of NET/SLET, which provides guidance and conducts such coaching classes, especially for the benefit of SC, ST, OBC and minority students. Moreover, students are encouraged for such competitive examination and also required materials are made available.

Data of successful candidates at UGC-NET examination:

Year	Category	No. of Students Attended	No. of Students Passed
2014-15	SC	51	01
	ST	24	
	SEBC	65	03
	Minority & PH	06	
	OPEN	94	05
2013-14	SC	53	09
	ST	30	01
	SEBC	57	06
	Minority & PH	01	
	OPEN	111	12
2012-13	SC	30	11
	ST	17	01
	SEBC	40	05
	Minority & PH		02
	OPEN	115	16

Year	Category	No. of Students Attended	No. of Students Passed
2011-12	SC	Students have reported for the participation directly.	07
	ST		
	SEBC		01
	Minority & PH		
	OPEN		08
2010-11	SC	Students have reported for the participation directly.	07
	ST		
	SEBC		04
	Minority & PH		
	OPEN		14

Data on successful candidates at other examinations:

Year	GATE/GPAT	NET JRF	SLET	GPSC	NBHM
2014-15	07	02	10	01	
2013-14	07	04	21	03	01
2012-13	16	03	13	05	
2011-12	37	01	09		
2010-11	07	03	15		
Total	**74**	**13**	**68**	**09**	**02**

Overall summary:

Year	UGC-NET	NET JRF	Other Examinations (GATE,SLET,GPSC,NBHM)
2014-15	09	02	08
2013-14	28	04	13
2012-13	35	03	09
2011-12	16	01	06
2010-11	25	03	03
Total	**113**	**13**	**39**

5.1.11   Mention the policies of the university for enhancing student participation in sports and extracurricular activities through strategies/schemes such as additional academic support and academic flexibility in examinations special dietary requirements, sports uniform and materials any other (please specify).

Yes, Sardar Patel University regularly organize Intercollegiate tournament for Men and Women. Winners are also motivated and supported to participate at the West Zone/All India Inter University tournament. Moreover, university also conduct coaching camps for various games in order to provide practices to participants who are participating the West Zone/All India Tournament. The duration of the camps is 15 to 25 days in two sessions in morning and evening. The budgetary provision is made for diet of the student during Coaching

Camp of the both session. When our team participates at West Zone/All India Inter University Tournament Students are given Sports Kit (T-Shirt & Shots) and Track Suite printed with University Logo. The team which achieves any position or qualify for the All India Level Tournament they are given Blazer along with University crest. The University sanctions TA and DA to the students for attending zonal and national meets. The travel mode is relaxed in case of emergency.

The following are the practices applied at the department level in order to motivate the students for sports and extracurricular activities:

Additional academic support and academic flexibility in examinations:

- Academic support like leave, compensation in attendance, etc are given as per the feasibility and university rules.
- If student is participating in any University or State Level events, the teaching and laboratory hours are adjusted during holidays or in extra time. In some important events the special slot for the examination also provided to the Student.
- Financial support to participate in various events of youth festival like dance, rangoli, collage making, poster making, etc.

Sports uniform and material are provided to the qualify participant any other :

- Sports week/day celebration.
- Indoor/Outdoor sports facility.
- Participation certificate are provided as an encouragement.
- Trophies and certification are awarded during annual day celebration
- Kite flying celebration in few departments.

5.1.12 Does the university have an institutionalized mechanism for students' placement? What are the services provided to help students identify job opportunities, prepare them for interview, and develop entrepreneurship skills?

A Career and Counselling Cell (CCC) of the University centrally coordinates the departmental level cells in managing the placement related activity. The university has well-defined structure for managing placement related process. Most of the departments also take care about the placement related activities themselves. University supports required facility in order the scatter the needs of placement at department level. The Industry requirements are also informed to the concern department through notices. Moreover, the university has U&I Cell, which acts as bridge between the university and industry level. Sometimes job

opportunities are observed through the Alumni of the department. Department regularly displays the relevant information of placements regarding fellowship and job vacancies at different organizations/institutes etc. Department interact with the industry people themselves or via CCC cell of the university in order to obtain the job requirement and improvement in the existing curriculum. The placement cell helps student identify job opportunities, runs entrepreneurship skill-development workshops, where students are taught soft skills, conducts special competitive test. **Details about the number of companies visited can be accessed through Annexure-25.**

www.spuvvn.edu/iqac/rar16/annexures/ann-25.pdf

5.1.13 Give the number of students selected during campus interviews by different employers (list the employers and the number of companies who visited the campus during the last four years).

Graphical representation of the number of students selected for last five years:

Placement Summary

	2010-11	2011-12	2012-13	2013-14	2014-15
Total	70	59	132	56	123

No. of students placed
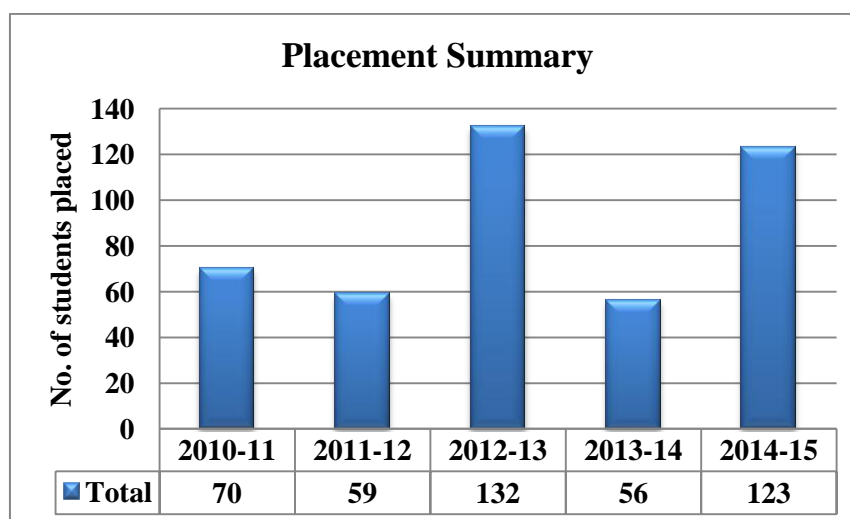
The details about number of students selected during campus interviews by different employers are given in Annexure-26.

www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

5.1.14 Does the university have a registered Alumni Association? If yes, what are its activities and contributions to the development of the university?

The university at central level has recently registered an alumni association named, "**S. P. UNIVERSITY BHUTPURVA CHHATRAMANDAL**", even though some of our individual departments have registered alumni association as independent units. The periodical meets of alumni are arranged at department level and the

alumni are encouraged to participate and give suggestions in finding more opportunities for job placement. Interactive sessions of alumni and present students are arranged for giving useful tips in facing the interview and group discussion etc.

There is a SPU alumni association at USA and they keep in close touch with the university and this unit has recently donated ₹1 crore for the strengthening of academic & research activities of academic and research activities. A tradition of gathering of alumni and just passed out studies on the eve of convocation day at department is rigorously maintained. During this visit informal discussion and informal feedback are also taken. Some of our alumni maintain groups on social media such as Facebook & Whats-App.

5.1.15 Does the university have a student grievance redressal cell? Give details of the nature of grievances reported. How were they redressed?

Yes, Sardar Patel University has central mechanism for student grievance redressal cell. As per the guidelines provided by the State Government, University Grants Commission (UGC), university regularly implements the required policies. These are well taken care by the department as and when department receive any grievance(s) raised by the student via suggestion box or any hand written application. Each department has a Grievance Redressal Committee, which addresses grievances related to quality of education, amenities, admission, discrimination on the basis of caste, race, etc. Various cells like Common Grievance Cell, Women Grievance Cell, Anti-ragging Committee, Anti-Harassment Cell exist in the departments.

5.1.16 Does the university promote a gender-sensitive environment by (i) conducting gender related programmes (ii) establishing a cell and mechanism to deal with issues related to sexual harassment? Give details.

Yes, the university promotes a gender-sensitive environment by establishing a Woman's Cell and Sexual-harassment cell. Most of the department has lady teacher representative in this cell to promote a gender-sensitive environment. Each department has their own Woman's Cell and Sexual-harassment cell as per the UGC guidelines. The activities of these cells are covered under the University mandate as directed by the Supreme Court of India and the Government of India.

5.1.17 Is there an anti-ragging committee? How many instances, if any, have been reported during the last four years and what action has been taken in these cases?

Yes, the university has department level anti-ragging committee. During the last four years no such instances are reported. Department regularly display the role and responsibility of the anti-ragging committee and students are aware regarding the anti-ragging committee members and their contact details.

5.1.18 How does the university elicit the cooperation of all its stakeholders to ensure the overall development of its students?

Sardar Patel University is a model for rural development, obliviously university has a key focus on the overall development of the students. In the year 2015, the university has crossed the 60 years (Diamond Jubilee) of its establishment, the sufficient number of stakeholders are exist in the surrounding as well as in the International Level. These stakeholders regularly remain in touch with the University via Alumni Association or in other form to co-operate the university. The department make conscious efforts to build a healthy relationship with all its stake holders at large. The university has a mechanism to facilitate the top rankers on the eve of Convocation Day with their parents. Also their feedbacks are taken in the august presence of Heads of the Department, their parents and other invitees to improve the educational process.

5.1.19 How does the university ensure the participation of women students in intra- and inter-institutional sports competitions and cultural activities? Provide details of sports and cultural activities where such efforts were made.

The girl/woman students are encouraged to participate in intra- and inter-institutional sports competitions and cultural activities. The faculty members take due care of the safety and security of participants during the events. Musical evening and annual "Garba" events are arranged for woman students. Following are the events, games where students actively participated:

- Badminton
- Collage
- Drawing
- Essay Writing
- Handball
- Kabaddi
- Light Vocal Solo
- Poster Making
- Rangoli

- Table Tennis
- Youth Festival.

5.2 STUDENT PROGRESSION

5.2.1 What is the student strength of the university for the current academic year? Analyse the Programme-wise data and provide the trends for the last five years.

The student strength of the University for the Current Academic Year (i.e. 2014-15) is shown as below:

Current Academic Year (2014-15)	
Programmes	**Number of students admitted**
PG	1897
M. Phil.	139
Ph. D.	208

Student Progression	2013-2014	2012-2013	2011-2012	2010-2011
No. of students (PG to M.Phil.)	92	139	116	195
No. of students (PG to Ph.D.)	95	84	54	21

5.2.2 What is the programme-wise completion rate during the time span stipulated by the university?

The program-wise completion rate is close to 95%.

5.2.3 What is the number and percentage of students who appeared/qualified in examinations like UGC-CSIR-NET, UGC-NET, SLET, ATE / CAT / GRE / TOFEL / GMAT / Central / State services, Defense, Civil Services, etc.?

Please refer the answer of this question is already specified in the item **5.1.10.**

5.2.4 **Provide category-wise details regarding the number of Ph.D./D. Litt./D. Sc. thesis submitted/ accepted/ resubmitted/ rejected in the last four years.**

Category wise details of Ph. D. (full time) students						
	Year	OPEN	SC	ST	SEBC	Total
Category-wise details regarding the number of Ph. D./D. Litt./D. Sc. thesis submitted	2014-15	26	01	03	06	78
	2013-14	44	01	08	11	85
	2012-13	32	07	02	10	82
	2011-12	21	05	01	03	66
	2010-11	03	-	-	-	58
Category-wise details regarding the number of Ph. D./D. Litt./D. Sc. thesis accepted	2014-15	63	02	03	10	78
	2013-14	58	05	06	14	83
	2012-13	59	08	02	12	81
	2011-12	55	07	01	03	66
	2010-11	57	-	-	01	58
Category-wise details regarding the number of Ph. D./D. Litt./D. Sc. thesis resubmitted	2014-15	-	-	-	-	-
	2013-14	01	-	-	01	02
	2012-13	01	-	-	-	01
	2011-12	-	-	-	-	-
	2010-11	-	-	-	-	-

5.3 STUDENT PARTICIPATION AND ACTIVITIES

5.3.1 **List the range of sports, cultural and extracurricular activities available to students. Furnish the programme calendar and provide details of students' participation.**

Following are the list of sports, cultural and extracurricular activities available to students:

Category	Name of activities/events
Sports	Sport day celebration, Badminton, Cricket, Football, Kabbadi, Kho-Kho, Table Tennis, Volleyball, Chess
Cultural	Cartooning, Classical Dance, Classical Instrumentation Solo (Non Percussion), Classical Instrumentation Solo (Percussion), Classical Vocal Solo, Clay Modelling, Collage, Debate, Elocution, Flute, Folk Dance, Folk Orchestra, Group Song Western, Groups Song Indian, HOLI day celebration, Kite-Flying , Light Vocal Solo, Mime, Mimicry, On the Spot Painting, On the Spot Photography, One Act Play, Poetry writing, Poster Making, Rangoli, Singing, Skit, Solo, Western Vocal Solo

Category	Name of activities/events
Extracurricular	Annual Day, Blood donation camp, Departmental cleaning , Essay-writing, Fresher and Farewell , Quiz, Teacher's day celebration, Tree plantation

Student's participation

Sr. No.	Year	Name of the Student	Name of the Game/Event	Level
1	2014-15	06	Cricket, Handball Air Rifle Shooting	Zonal/National
2	2013-14	06	Chess, Badminton,Handball, Volleyball , Table Tennis	Zonal
3	2012-13	06	Basketball,Cricket, Handball,Table Tennis, Kabaddi	Zonal
4	2011-12	04	Badminton	Zonal
5	2010-11	06	Football, Badminton	Zonal
Total		28		

5.3.2 **Give details of the achievements of students in co-curricular, extracurricular and cultural activities at different levels:**

University/State/Zonal/National/International, etc. during the last five years.

Sr. No.	Department	Name of the participant	Name of Game/Event	Prize	Level
[2014-15]					
1	Gujarati	Kamlesh Parmar	Poetry Writing	First	University
2	Gujarati	Nayan Boghra	Debate	Second	University
3	Gujarati	Manisha Chavda	Essay Writing	Second	University
4	Home Science	Ms. Yogini Chauhan	Poster Making	First	University
5	Home Science	Ms. Meera Barasara	Drawing Competition	Second	University
6	Physics	Anand P. Joshi	Solo	First	University
[2013-14]					
7	Gujarati	Farhanabanu Diwan	Rangoli	second	University
8	Gujarati	Deval Shah	Rangoli	Third	University
9	Home Science	Ms. Yogini Chauhan	Poster Making	First	University

Sr. No.	Department	Name of the participant	Name of Game/Event	Prize	Level
[2012-13]					
10	Gujarati	Nitin Patel	Rangoli	Third	University
11	Home Science	Jinal Panchal	Collage	Second	University
12	Home Science	Group of Students	Group Dance	Second	University
13	Home Science	Ami Brahmbhatt	Light Vocal Solo	Third	University
[2011-12]					
14	Gujarati	Nitin Patel	Youth Festival	First	University
15	Gujarati	Dipak Patel	Youth Festival	First	University
16	Gujarati	Manish Gadhavi	Youth Festival	First	University
17	Gujarati	Hiren Gadhavi	Youth Festival	First	University
18	Gujarati	Ragini Rami	Youth Festival	First	University
19	Gujarati	Bhumika Rami	Youth Festival	First	University
20	Gujarati	Sailesh Tambodiya	Youth Festival	First	University
21	Gujarati	Manisha Chavda	Youth Festival	First	University
22	Gujarati	Jashvant Panchal	Youth Festival	First	University
23	Gujarati	Ankita Patel	Rangoli	Second	University
24	Home Science	Ms. Ami Brahmbhatt	Light Vocal Solo	Third	University
[2010-11]					
25	Gujarati	Jignesh Joshi	Youth Festival	Second	University
26	Gujarati	Nimesh Gadhavi	Youth Festival	Second	University
27	Gujarati	Narendra Patel	Youth Festival	Second	University
28	Gujarati	Dharmishta Kakadiya	Youth Festival	Second	University
29	Gujarati	Priskilla Chauhan	Youth Festival	Second	University
30	Gujarati	Hiran Gadhavi	Youth Festival	Second	University

5.3.3 Does the university conduct special drives /campaigns for students to promote heritage consciousness?

The university has its own Museum and houses several rare and archeologically significant exhibits and the museum is run by permanent specialized faculty. Museum arranges visits, workshops, exhibitions and competitions to spread heritage awareness among students and citizens.

Under "Museum Awareness Program 2014-2015", Museum has invited various schools of Vallabh Vidyanagar-Anand. In such Museum visits, the students were given an orientation lecture by Museum-Curator and followed by a guided tour to the Museum galleries. At the end of each conducted visit, Museum has made an arrangement of documentary show (available in English/Hindi) on LCD. Over 2,600 school students along with 78 teachers visited University Museum.

University Museum had acquired the following objects:

- Anand Philatelic Association has given 80 Postal Stamps (on temporary loan) to develop a philatelic section in Museum. The Philatelic Section is under formative stage.
- 1 (ONE) British Coin (i.e. Edward VII; 1903) from Mr. Shreyas Pandya, Student, NA &TV Patel Arts College.
- 8 frames consists of rare scanned documents belong to Sardar Vallabhbhai Patel which are more than 100 years old. The original documents are with Middle Temple, UK. The same is gifted to the Museum by Prof. Harish Padh, Vice-Chancellor, Sardar Patel University.
- Following graph shows the details about the no. of visitors during the assessment period:

**Visitors Information
(S P University Museum)**

No. of Visitors	2010-11	2011-12	2012-11	2013-14	2014-15
Local Visitors	3722	4883	6880	8256	2678
Outsider Visitors	778	817	5520	5244	13322
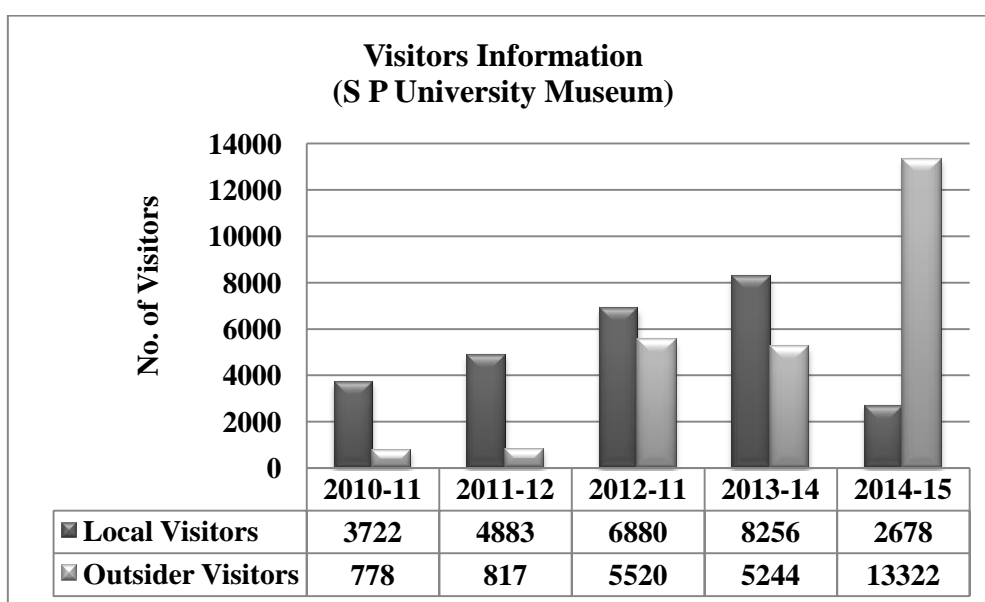
5.3.4 How does the university involve and encourage its students to publish materials like catalogues, wall magazines, college magazine, and other material? List the major publications/ materials brought out by the students during the last four academic sessions.

Students are given an opportunity to publish their contribution by the faculty in the appropriate place. The IQAC cell of the university regular remains in the touch with all departments and directly to students via emails to communicate such opportunity for the benefit the concern community. Departments have notice board to display the articles from magazines, industrial and science related information, other important messages related to health, education, etc…Students skills are also identified and they are provided opportunity to spread their skills within student community at department level, at university level and at higher level. The university has its own newsletter 'Sheel Shrutam' and students are encourage for their contribution to the news letter.

5.3.5 Does the university have a Student Council or any other similar body? Give details on its constitution, activities and funding.

The university has a very effective decentralized student council representative system. Each class has a class representative, woman representative and general secretary. These representatives closely work with the societies headed by heads of the department and faculty members. The activities are funded by University Central Gymkhana Fund and Departmental Gymkhana Fund.

Following activities are carried out for the students:

- Organizing the cultural programs
- Organizing the extracurricular programs
- Organizing welcome party
- Organizing farewell party
- Days celebration
- Talent finding
- Sports day
- Annual day or its equivalents event
- Organizing activity for overall development

5.3.6   **Give details of various academic and administrative bodies that have student representatives on them. Also provide details of their activities.**

The following are academic and administrative bodies that have student representatives:

- Anti Ragging Committee
- Women Cell
- Wall Magazine Committee
- Students Grievance Cell
- Students Society

CRITERION VI

[GOVERNANCE, LEADERSHIP AND MANAGEMENT]

CRITERION-VI
[GOVERNANCE, LEADERSHIP AND MANAGEMENT]

6.1 INSTITUTIONAL VISION AND LEADERSHIP

6.1.1 State the Vision and Mission of the University

VISION

Sardar Patel University envisages blossoming of human potential through nurturing of talent, skill, and scientific temper, creation of knowledge, incubation of wisdom, sustenance of blithesome spirit toward upholding national pride, international understanding, peace and prosperity by activating engines of academic excellence

MISSION

Regeneration of rural Indian life with the application of the study and research in all the disciplines of knowledge in tune with the modern global developments

To meet up the mission of the university, all departments have formulated their own vision and mission statements which would collectively contribute to the attainment of the envisioned goal of the university. Our university is involved in the creation of knowledge base through academic research of high quality and also imparting through well thought out educational programmes

6.1.2 Does the mission statement define the institution's distinctive characteristics in terms of addressing the needs of the society?, the students it seeks to serve, the institution's tradition & value orientations, its vision for the future, etc.?

Yes, the departments have given a serious thought into these aspects. Our university, being a rural university with a mandate to address the rural issues trains the students from largely rural background and also the weaker sections. We have identified thrust areas which includes Agro-Economic research and extension, rural enterprises development apart from a strong presence in basic sciences and liberal studies. We maintain interactions with Industry for gathering their needs in order to enrich our curriculum and justify the existence by being relevant. Departments are undertaking problem solving research projects in addition to enrichment of knowledge through basic research. Some of the research results are being patented. We have applied for grant to set up an incubation centre for the logical extension of knowledge creation by commercializing the inventions. Inter disciplinary research projects are encouraged here by combining departments. Centre for

Interdisciplinary Studies in Science & Technology (CISST), Community services through C.C Patel Community Science Centre, Community Radio, Rural Programmes, Family Resource Management, Women Enterprises etc., is some of the examples.

6.1.3 How is the leadership involved?
- **in ensuring the organization's management system development, implementation and continuous improvement**
- **in interacting with its stakeholders**
- **in reinforcing a culture of excellence**
- **in identifying organizational needs and striving to fulfil them**

Right from the inception, our university believed and practiced democratic procedure of decision making with a strong leadership at the helm of affairs. The university has to function under the structure designed by University Act with the Governor of the State Gujarat being the Chancellor and the Vice-Chancellor being the Chief Executive authority. For the participatory decision making there are statutory bodies and a number of non statutory committees. These include Senate, Syndicate, Academic Council, P G Board, Finance and Establishment Committee, Building Committee, Library Committee, Academic Monitoring Committee, and Board of Studies at University level followed by Department level IQAC as an implementation agency of the apex body IQAC. At the department level, Department Research Committees, and several functional committees are also at work. The Vice-Chancellor being the head provides overall leadership, guidance and the direction of teaching-research by taking the views of the stakeholders in a University set-up. The decision taking bodies combine the views and visions of Chairpersons of Board of Studies, HODs of departments and Professors, Registrars, Deans, and other officers. The structure of bodies often represents the Government, Alumni, Philanthropists and Industry participations.

Our University believes in the quality improvement as an ongoing process and encourages systems improvements accordingly. We have a systematic quality assessment cell with laid down manuals for the standardisation of procedures. Under the IQAC we undertake the quality audits of our programmes with the support of department level quality assessments to uphold the standards. Department Research committee is a nodal point to stream line the research with a stated focus. Some of the Department level bodies help in admissions, curriculum improvements, purchases of equipments and stores, acquisition of library books and other administrative activities in order to maintain the transparency and values. We have maintained an ambience for quality teaching and

research by democratising the decision taking and we strongly encourage participatory management.

6.1.4 Were any of the top leadership positions of the university vacant for more than a year? If so, state the reasons.

Yes. Some key positions such as Registrar, Chief Accounts Officer and Medical officer were vacant for some period despite several of attempts made by us to fill these vacancies. We have advertised these positions several times during this period and recently we have been able to fill the position of Registrar, Chief Accounts Officer and Medical officer.

6.1.5 Does the university ensure that all positions in its various statutory bodies are filled and meetings conducted regularly?

Yes, our statutory bodies such as Senate, Syndicate, and PG Board have convened several meetings during this period. The annual senate meetings facilitate the passing of annual budgets and other recommendations for the academic reforms and improvements as suggested by other bodies such as Board of studies, PG Boards and academic council etc. Similarly, some important committees such as Finance and Establishment (FE) Committee, and Building Committee also have convened number of meetings.

Syndicate being executing authority has been dealing with important matters such as affiliation, recruitment & promotion, recommendation regarding the fee structure and other student oriented policy related decisions.

Finance and Establishment committee transacts, plan and non plan expenditure and also the management of various university funds time to time. It covers all of our construction activities.

Building Committee decides upon planning, execution and completion of major civil works which covers construction, extension, renovation, furniture upgrading and other novel activities such as solar & water harvesting, renovation in hostels, university quarters.

Following table shows the Details of meetings held of Statutory Bodies of University:

	Name of Bodies	Meetings Held 2010-11	Meetings Held 2011-12	Meetings Held 2012-13	Meetings Held 2013-14	Meetings Held 2014-15
A	Senate	01	01	01	01	01
B	Syndicate	09	19	06	04	03
C	Academic Council	02	02	02	02	
D	Board of		01	01	01	01

	Name of Bodies	Meetings Held 2010-11	Meetings Held 2011-12	Meetings Held 2012-13	Meetings Held 2013-14	Meetings Held 2014-15
	Postgraduate Studies and Research					
E	**Faculties**					
	Faculty of Arts	01	01	01	01	01
	Faculty of Science	01	01	01	01	01
	Faculty of Business Studies	01				
	Faculty of Management	01	01	01		
	Faculty of Education	01	01	01	01	01
	Faculty of Home Science	01	01	01	01	01
	Faculty of Law	01				
	Faculty of Medicine	01	01	01	01	01
F	**Boards of Studies**					
	Hindi	01	01	01	01	01
	Gujarati	01	01	01	01	01
	Sanskrit	01	01	01	01	01
	English	01	01	01	01	03
	History	01	01	01	01	01
	Logic and Philosophy	01	01	01	01	02
	Sociology	01	01	01	01	01
	Psychology	01	01	01	01	01
	Economics	01	01	01	01	02
	Political Science	01	01	01	01	01
	Geography	01	01	01	01	01
	Co-Operation	01	01	01	01	01
	Library Science	02	02	02	02	02
	Music and Dance	01	01	01	01	01
	Mathematics	01	01	01	01	01
	Statistics	01	01	01	01	02
	Chemistry	01	01	01	01	01
	Physics	01	01	01	01	01
	Biosciences	02	03	03	03	03
	Industrial Chemistry	01	01	01	01	01
	Computer Science	01	01	01	01	02
	Electronics	01	01	01	01	01
	Materials Science	01	01	01	01	01
	Commerce and Business Studies	01		01	01	01

	Name of Bodies	Meetings Held 2010-11	Meetings Held 2011-12	Meetings Held 2012-13	Meetings Held 2013-14	Meetings Held 2014-15
	Accountancy	01	-	01	01	01
	Banking	01	-	01	01	01
	Management	02	02	01	01	02
	Education	02	02	01	01	04
	Law	01	01	01	01	01
	Home Science	01	01	01	-	01
	Homoeopathic	01	01	01	01	01
	Clinical	01	01	01	01	01
	Paraclinical	01	01	01	01	01
	Pre-Clinical	01	01	01	01	01
G	AD-hoc Board					
	BSW/MSW	01	01	01	01	-
	Post Graduate in Pharmacy	01	-	-	-	-
	E-Commerce	01	-	-	-	-
	Instrumentation	01	01		01	01
	Master Of Valuation (Real Estate) and Master Of (Plant & Machinery)	-	-	-	01	01
	Interior Design	-	01	02	-	-
	Master Human Resource Development	-	-	-	-	01
	B Visual Arts	-	-	-	01	01
	Joint Ad-hoc Board of studies in Biomedical Science, Defence Science & Earth Science	-	-	-	03	02
	Forensic Science	-	-	-	01	01
	Nanoscience and Nanotechnology	-	-	-	01	01
	Master of Labour Welfare	-	-	-	01	01
	Renewable Energy	-	-	-	01	01

- Details of Civil work in the University

Year 2010-11 (Civil Work)

Sr. No.	Particulars	Cost (in ₹)	Status
1	Construction of Pariksha Bhavan Building	10 Crores	Completed
2	Construction of S.T. Hostel Building	2.5 Crores	Completed
3	Academic Staff College Guest House	75 Lakhs	Completed
4	Humanities Renovation	22 Lakhs	Completed
5	Computer Science Renovation	15 Lakhs	Completed
6	Computer Centre Renovation	15 Lakhs	Completed
7	Old Biosciences Building Renovation	10 Lakhs	Completed
8	Physics Department Renovation	5.32 Lakhs	Completed
9	Home Science Department Renovation	5.15 Lakhs	Completed
10	Basic Facilities for Women	28 Lakhs	Completed
11	Women's Hostel Construction	2.07 Lakhs	In progress
12	University Second Floor Renovation	25 Lakhs	In progress
13	Campus Development	60 Lakhs	In progress
14	Gymnasium Hall Construction	5 Crores	In progress

Year 2011-12 (Civil Work)

Sr. No.	Particulars	Cost (in ₹)	Status
1	Basic Facilities for Women	50 Lakhs	Completed
2	University Second Floor Renovation	25 Lakhs	Completed
3	Water Proofing Work for T Block Quarters No : 45 to 72	4.95 Lakhs	Completed
4	Mathematics Department Renovation	8.63 Lakhs	Completed
5	Extension work of Mathematics Department	16.09 Lakhs	Completed
6	Materials Science Renovation	10.62 Lakhs	Completed
7	M.B.P.C. Renovation	12.23 Lakhs	Completed
8	E-type Quarters Renovation	11.15 Lakhs	Completed
9	Women's Hostel Construction	2.07 Crores	In Progress
10	Campus Development	60 Lakhs	In Progress
11	Gymnasium Hall Construction	5 Crores	In Progress

Year 2012-13 (Civil Work)

Sr. No.	Particulars	Cost (in ₹)	Status
1	Construction of Womens' Hostel No : 3	2.15 Crores	Competed
2	Renovation Work of Economic Department	13.00 Lakhs	Competed
3	Campus Development	62.00 Lakhs	Competed
4	Furniture Work for Womens' Hostel No : 3	14.00 Lakhs	Competed
5	Extension of Community Science Centre	22.00 Lakhs	Competed
6	Extension of Chemistry Department 2nd Floor	13.00 Lakhs	Competed
7	Civil Work of Purse Programme Phase-I	13.00 Lakhs	Competed
8	Renovation Work of Home-science Department	5.00 Lakhs	Completed
9	Construction of Gymnasium Hall	4.91 Crores	In Progress
10	Renovation Work of Bhaikaka Library 1st Floor	6.00 Lakhs	In Progress
11	Renovation of Bio-Sciences Campus Canteen	1.75 Lakhs	In Progress
12	Furniture Work for Eklavya Hostel	33.00 Lakhs	In Progress
13	Civil Work of Purse Programme Phase-II	10.00 Lakhs	In Progress

Year 2012-13 (Electrical Work)

Sr. No.	Particulars	Cost (in ₹)	Status
1	Electrification for Extended Portion of Mathematics Department (2nd Floor-West Side)	1.81 Lakhs	Completed
2	Re-electrification of M.B.Patel Education College	14.65 Lakhs	Completed
3	Supply, Installation, Testing & Commissioning of Power Panel & Cable Laying of D.G. Sets (Gyanodaya Bhavan, University Press, M.P. Patel Auditorium Hall & G.H. Patel Computer Centre)	9.70 Lakhs	Completed
4	Electrification for Providing Power Plug & renovation of Power Distribution System at Nehru Hall	3.42 Lakhs	Completed

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Sr. No.	Particulars	Cost (in ₹)	Status
5	Supply, Installation, Testing & Commissioning of Power Panel & Cable Laying of D.G. Sets for Bhaikaka Library	2.37 Lakhs	Completed
6	Re-electrification of Room No : 101 to 109, 111, Passages and cabins at Ground Floor of Old Bio-sciences Building under CISST Programme	4.23 Lakhs	Completed
7	Electrification Work for Womens' Hostel & USIC Portion (G+3 Floor)	13.36 Lakhs	Completed
8	Re-electrification of H Type Staff Quarters	4.83 Lakhs	Completed
9	Re-electrification of Home Science Building (For Lab no: G2, G4 & HOD Cabin)	1.26 Lakhs	Completed
10	Re-electrification of Humanities Building	31.21 Lakhs (Estimated)	In Progress

Year 2013-14 (Civil Work)

Sr. No.	Particulars	Cost (in ₹)	Status
1	Construction of Womens' Hostel No : 3	2,14,15,536	Competed
2	Renovation Work of Economic Department	12,83,348	Competed
3	Campus Development	61,37,507	Competed
4	Furniture Work for Womens' Hostel No : 3	14,19,532	Competed
5	Extension of Community Science Centre	19,33,539	Competed
6	Extension of Chemistry Department 2nd Floor	12,06,679	Competed
7	Civil Work of Purse Programme Phase-I	14,10,712	Competed
8	Renovation Work of Home-science Department	5,67,041	Completed
9	Renovation Work of Bhaikaka Library 1st Floor	5,37,089	Completed
10	Renovation of Bio-Sciences Campus Canteen	1,64,539	Completed
11	Furniture Work for Eklavya Hostel	33,89,553	Completed
12	Civil Work of Purse Programme Phase-II	7,70,157	Completed
13	Construction of Gymnasium Hall	5.32 Crores	Completed

Sr. No.	Particulars	Cost (in ₹)	Status
14	Extension work of Computer Centre	15,49,505	Completed
15	Renovation work for Women's Hostel 1 & 2	4,79,767	Completed
16	Renovation work of Central Hall No : 13 for M B Patel College of Education	4,17,836	Completed
17	Solar Water Harvesting System for Women's Hostel No : 3	4,03,591	Completed
18	Solar Water Harvesting System for CTE Hostel	2,45,436	Completed
19	Solar Water Harvesting System for Men's Hostel	2,69,247	Completed

Year 2013-14 Electrical Work

Sr. No.	Particulars	Cost (in ₹)	Status
1	Electrification for Extended Portion of Mathematics Department (2nd Floor-West Side)	1.81 Lakhs	Completed
2	Re-electrification of M B Patel Education College	14.65 Lakhs	Completed
3	Supply, Installation, Testing & Commissioning of Power Panel & Cable Laying of D G Sets (Gyanodaya Bhavan, University Press, M P Patel Auditorium Hall & G H Patel Computer Centre)	9.70 Lakhs	Completed
4	Electrification for Providing Power Plug & renovation of Power Distribution System at Nehru Hall	3.42 Lakhs	Completed
5	Supply, Installation, Testing & Commissioning of Power Panel & Cable Laying of D G Sets for Bhaikaka Library	2.37 Lakhs	Completed
6	Re-electrification of Room No : 101 to 109, 111, Passages and cabins at Ground Floor of Old Bio-sciences Building under CISST Programme	4.23 Lakhs	Completed
7	Electrification Work for Womens' Hostel & USIC Portion (G+3 Floor)	13.36 Lakhs	Completed
8	Re-electrification of H Type Staff Quarters	4.83 Lakhs	Completed

Sr. No.	Particulars	Cost (in ₹)	Status
9	Re-electrification of Home Science Building (For Lab no : G2, G4 & HOD Cabin)	1.26 Lakhs	Completed
10	Re-electrification of Humanities Building	31.21 Lakhs (Estimated)	Completed
11	Re-electrification Work of Lab No : 207 at Bio-science Department	2,57,081	Completed
12	Electrification Work of Lab No : 108 Purse Programme	1,03,221	Completed
13	Electrification Work of Lab No : G-2, G-4 & Head Cabin at Home Science Department	98,534	Completed
14	Electrification Work of USIC Section & Women Hostel	13,36,661	Completed
15	Electrification Work of Community Science Centre	1,26,460	Completed
16	Electrification Work of Chemistry Dept IInd Floor Extended Portion	3,07,372	Completed
17	Under Ground Cabling Street Light at Museum Road	99,530	Completed
18	8 Mtr PSC Pole with Laying 95 Sqm Cable	33,000	Completed
19	Gymnasium Hall Electrification work	35.00 Lakhs	Completed

Year 2013-14 Repairs and Maintenance Work

Sr. No.	Particulars	Cost (in ₹)	Status
1	Providing and Fixing Glass at University Staff Quarters	28,684	Completed
2	Providing and Fixing FRP Sheet and Shed at Bio-sciences Building	1,34,849	Completed
3	Colour Work at Nehru Hall Hostel (Men's Hostel No : 1)	6,20,801	Completed
4	Providing and Fixing Book shelf at Bhaikaka Library	3,52,764	Completed
5	Providing and Fixing Pipe Line and Removal of Trees from Wall at Old Hostel	76,506	Completed
6	Providing and Fixing A/C Roofing Sheet at Staff Quarters	50,073	Completed
7	Providing and Fixing Rain Water Pipe at Bio-sciences Building	39,251	Completed
8	Providing and Fixing Fencing	40,729	Completed

Sr. No.	Particulars	Cost (in ₹)	Status
	Work at SSF Hostel		
9	Repairing and Renovation of Toilet Block at T, G & BSc BEd Block	1,55,931	Completed
10	Providing and Fixing A/C Roofing Sheet at Old Hostel Canteen	54,205	Completed
11	Providing and Fixing A/C Roofing Sheet at Staff Quarters	27,473	Completed
12	Providing and Fixing Tiles Flooring Work at Lab No : 302-A & B at Bio-sciences Building	1,46,701	Completed
13	Providing and Fixing Tiles Flooring Work at Lab No : 202 & 203 at G H Patel Computer Science & Technology Department	2,87,050	Completed
14	Providing and Fixing Glass at University Staff Quarters	31,337	Completed
15	Providing and Laying PCC (1:2:4) Under Tiles Flooring at G H Patel Computer Science & Technology Department	75,488	Completed
16	Repairing and Renovation of Toilet Block at BSc BEd Block 51/52, 69/70 Quarters	43,368	Completed
17	Repairing of Table Top at Faculty Guest House	34,770	Completed
18	Providing and Fixing Pipe Line, Door Shutters and RCC Frame at CTE Hostel	1,11,398	Completed
19	Renovation of Toilet Block at VC Office	29,367	Completed
20	Renovation work of Toilet Block and Water Proofing at D-45 to 48 Quarters at University Staff Colony	3,01,768	Completed
21	Providing and Fixing Fabrication Grill at Nehru Hall Hostel	31,955	Completed
22	Providing and Fixing RCC Door Frame and FRP Door at D-30 Quarters	35,245	Completed
23	Providing and Fixing Glass Work at University Staff Quarters	36,535	Completed
24	Removal of Trees from Wall at University Staff Quarters and Hostel	74,000	Completed

Sardar Patel University, Vallabh Vidyanagar, Gujarat

Sr. No.	Particulars	Cost (in ₹)	Status
25	Providing and Fixing A/C Roofing Sheet at University Staff Quarters	1,40,468	Completed
26	Removing and Refixing of Door Frame and Shutters at University Staff Quarters D-31, 32, 37, 59, 64 & 70	69,968	Completed
27	Toilet Block Renovation, Sintex Water Tank Fitting and Pipe Fitting Work at D-50/52 Quarters	1,29,932	Completed
28	Providing and Fixing Table Top Lamination at Nehru Hall Hostel	3,80,227	Completed
29	Renovation of Master of Social Work Department	3,08,763	Completed
30	Providing Colour Work D Block Quarters	4.03 Lakhs	Completed

Year 2014-15 (Civil Work)

Sr. No.	Particulars	Cost (in ₹)	Status
1	Civil renovation work for central hall no 13 at MBPC	4,10,626	Completed
2	Roofing for MBPC Hall	5,35,626	Completed
3	Extension work for existing computer centre	17,05,366	Completed
4	Toilet block quarters renovation T block 53,54,61,62,69,70	3,62,066	Completed
5	University U.V sports complex Two side paver fitting	2,86,616	Completed
6	New Under Ground pipeline at botnical garden Sardar Patel University	1,10,554	Completed
7	Color work at D-(41-80) Quarters	1,93,460	Completed
8	Color work at Exterior wall at Physics dept.	72694	Completed
9	color work at quarters D-(1-40)	2,34,882	Completed
10	PCC work at Electric transformer at computer Sci. Department.	52,419	Completed
11	Providing & fixings Table Top with Drawer at Nehru Hall Hostel	3,73,352	Completed
12	Providing & Fixings M S Parking shed with GI sheet at Uni. Staff quarters	4,46,029	Completed

Sr. No.	Particulars	Cost (in ₹)	Status
13	Color work at T-49-72 quarters at sardar patel university	85,292	Completed
14	Providing & fixings Aluminum section sliding window at bhikaka lib. Sardar Patel University	1,92,477	Completed
15	Providing & fixings Rain water pipe line at Maths deptt. Busi. Studies Department	2,55,659	Completed
16	Color work at T-25-48 quarters at Sardar Patel University	66,424	Completed
17	Civil Renovation Work for Women hotels 1 and 2	4,76,142	Completed
18	Solar Water Hitting Systems or women's Hostel -3	4,03,591	Completed

6.1.6 Does the university promote a culture of participative management? If yes, indicate the levels of participative management.

Yes, it always does. Kindly see the response to 6.1.3. Following are the various committees functioning at our departments

- Admission Committee
- Time table Committee
- Purchase Committee
- Library Committee (Book Purchase)
- Security Committee
- Anti-ragging Committee
- Examination Committee
- Students Affairs Committee
- Placement Committee

6.1.7 Give details of the academic and administrative leadership provided by the university to its affiliated colleges and the support and encouragement given to them to become autonomous.

Our university provides academic leadership by appointing faculty members of affiliated colleges in the board of studies and also appointing their faculty members as Dean of the discipline or Chairman of the Board of Studies. University appoints the subject experts and nominates representatives as Vice-Chancellor's nominee in the selection process of the faculty. The performance review of the affiliated colleges will be conducted annually. For the new courses, university constitutes Local Inquiry Committee and on the Spot committee and necessary actions are taken as per the suggestions of this committee. University has a critical role in curriculum development and upgrading of it to keep them abreast with the changes. University provides the academic

calendar for the affiliated colleges and also conducts cultural and extracurricular activities. Apart from that University is wholly responsible for conducting end semester examinations, results declaration and Degree awarding. We facilitate colleges by providing leadership and quality enrichment in their academic pursuit to become autonomous.

6.1.8 Have any provisions been incorporated/introduced in the University Act and Statutes to provide for conferment of degrees by autonomous colleges?

No (at present).

6.1.9 How does the university groom leadership at various levels? Give details.

Our university believes in collective decision making process at various levels. At apex the Vice-Chancellor leads the process of strategy formulation in meetings of Heads of Departments, Registrar, Deans and Chairmen of different bodies. The renowned educationalists, Industrialists and other eminent personalities also contribute in setting the long term goals of the university. While at the implementation stage of strategies, several committees at university and department levels play a significant role. We have structured the schedules of meetings at various levels and meet regularly. This would give our lower level participants an opportunity to get groomed up nicely. The list of statutory bodies/ordinance committees is shown below.

- Senate
- Syndicate
- Academic Council
- PG Board of Studies and Research
- Finance & Establishment Committee
- Building& Estate Committee
- Heads of Department Committee
- College Development Council

6.1.10 Has the university evolved a knowledge management strategy? If yes, give details.

Yes. The success of knowledge depends both in creation and effective utilization or dissemination of it. This requires a proper management. We believe in team work of faculty, research students, and non teaching administrators in enhancing the knowledge level and its propagation. We have framed committees such as Departmental Research committees at that level and at the recognized research centres. Board of studies in

order to plan and monitor research activities. We at our university focus on generation, storage and dissemination of knowledge. With this view University strongly encourages the faculty members to organize and participate in academic conferences. University always promotes focused efforts to generate research projects sanctioned from various funding agencies. University also collaborates with several reputed foreign universities and Research Organizations through Memorandum of Understanding to expand the spectrum of research. Our effort in creating an incubation centre is an initiative in the direction of fructifying the research results. The University Industry Interaction Cell facilitates the filing and financing of the patent registration.

6.1.11 How are the following values reflected in the functioning of the university?

- **Contributing to national development**

Our university contributes to human resources by churning out quality students. We take care of the skills of students by imparting the best teaching inputs supported by the usage of latest information and communication technology. Our courses are addressing the needs of the society. For instance, Chemical Sciences, Bio-sciences, Physics, Material Sciences, Management and Business Studies, we cater to the needs of surrounding industry. Gujarat being the leading manufacturer of Pharmaceuticals and Chemicals we have kept number of courses covering these aspects. We train our students of various disciplines through projects with reputed research centres like PRL, ARDE Pune, and industries such as Envision Scientific Pvt. Ltd., industrial houses such as RIL, Asian Paints, Banks, rural welfare projects etc. We also train students to become entrepreneurs. With respect to research scholars, we make them learnt to formulate relevant research questions, hypotheses, developing suitable research methodology. Thus, our researchers can become useful hands to deal with science and social science research contexts with an orientation towards welfare of the society.

In fact, our university is one of the two in western region and one among seventeen universities across India to have won the status of Centre for Potential of Excellence in applied polymers during the period 2003-2008. Recently, UGC Committee visited and approved second phase of this program. As mentioned elsewhere, university also has GUJCOST sponsored centre of excellences. Based on the impact of research papers published in Science subjects DST, New Delhi has awarded PURSE programme for the period 2011-15, a distinction of being one of the 30 universities in India.

- **Fostering global competencies among students**

Our education systems witnessed substantial changes during the last 2-3 decades on account of the liberalization and the globalization. The meaning of being relevant has crossed the limits of the country's geographical boundaries. In this era, perhaps knowledge travels faster than anything and to be relevant means relevant globally. Hence, the university encourages our teachers and researchers to take up exchange programmes with foreign universities and research centres. We also attempt to improve the quality of our curriculum and teaching pedagogy to cope up with the global standards. Our university also encourages our students for clearing national level eligibility examinations such as JRF, NET, UGC-CSIR NET, ASRB (ICAR) etc

- **Inculcating a sound value system among students**

Orientation towards ethics and social responsibility is the prime considerations of value driven education. Our university apart from fostering these values as a part of education also conducts sessions of interaction with spiritual speakers. We have constituted Aurobindo, Gandhiji, Ambedkar and Sardar Patel chairs to emphasis our value based outlook of the university. We have added courses on Environmental issues, Women studies, Corporate Social Responsibility, Corporate Governance, Ethics and Social Welfare and Rural Economics. We also promote activities under NCC, NSS, Vivekanada Yuvak Kendra and Sports to have interface with the society to be considerate and appreciative of social issues. Our liberal arts, languages and political science disciplines are providing the inputs required to weave the social fabric with cultural, philosophical and ethical underpinnings. We undertake activities like Blood-donation camps, Cultural activities, Tree Plantation programmes, Campus cleaning programmes etc. Our university has signed an MOU with Vidyanagar Nature Club, for various activities ranging from outdoor camps on Cleanliness, Sanitation & Hygene in campus including residential of our university. It also covers Bio-diversity & Conservation, good agricultural practices, water harvesting and environmental awareness among students and community.

- **Promoting Use of Technology**

We have adopted developments of the latest Information and Communication Technology (ICT) in our teaching learning process. We have provided to our academic participants with Internet, sufficient number of computer terminals, educational and administrative software, and smart class rooms with LED projectors and they are in use for many years now. Several of the administrative functions of the university have

been using the computers and online system of administration. In Future, we are looking forward to paperless administration. Many departments are having Wi-Fi access to students. Our university and department libraries are having the access to e-books and e-journals. INFLIBNET facility is helping us to use vast resources of materials. University library as a part of UGC Shodganga, uploads Ph.D. theses. The university has set up a Cyber Café for the facilitating research and research based studies.

- **Quest for excellence**

The university emphasizes the quality in every sphere of activities and we believe in "excellence matters". We provide quality infrastructure and also tries to optimizing its utilization by centralizing some of the facilities such as central instrumentation and letting sister departments to use the equipments on available basis. Several departments are taking special initiatives for developing Research Talent and Teaching skills. In order to achieve this we organize workshops for preparing for JRF/NET/SLET examinations.

6.2   STRATEGY DEVELOPMENT AND DEPLOYMENT

6.2.1   Does the university have a perspective plan for development? If yes, what aspects are considered in the development of policies and strategies?

Yes, the university and departments have a perspective plan. The Vice-Chancellor is heading the body which plans and through which directs the university. The details of the future plans are given in the departmental profile.

Teaching and Learning

The University has a long term plan for teaching and research. As mentioned before we are in the process of continuous improvement of learning and research. Organizationally we have a set procedure under several academic bodies. Scheduling the classes both theory and practical are planned well in advance before the commencement of academic year. Students are given the course plan with contents and reference materials days before the classes begin. Teachers and students are encouraged to use ICT and other more effective teaching pedagogies for the effective imparting of knowledge. The evaluation of the students is continuous and methodology is also well framed and students are informed about it and the assessed answer books are shown to them. Interactions of experts from outside which includes people from Industry, reputed institutes and Alumni are arranged. Curriculum includes project works, field training and internships depending upon the course requirements.   Students and Faculty are also encouraged to

participate in seminars and conferences at local, regional, national and international levels.

Inter department collaborations are promoted in our university. CISST is a nodal centre for inculcating the culture of interdisciplinary approach based academic and research activities. It is providing a common platform to the academicians and research scholars on campus to come together and address the academic content and its delivery in chosen three thrust programs.

CISST has already approached Government of Gujarat for faculty positions and approval for three such positions has already been received. The recruitment process is in the pipe line. We plan to extend the instrument facilities to industries and forge collaborations. CISST, SPU has already signed MOU with R & D Support Services Inc., Pennsylvania for taking up the activities in the area of biomedical devices. Efforts are also in the process for the collaborative research in the area of Earth Sciences with PRL, Ahmedabad. A similar forum for Social Science disciplines is being set up. For the centre in Science and Social Sciences, a philanthropist has given a generous donation for infrastructure.

Research and development

For undertaking research and development university follows a multi-pronged strategy. At university level, research planning will be done under the headship of Vice-chancellor. This body formulate perspective plans to provide the road map for the future research and monitor its progress systematically. Faculty members identify the thrust areas of research. University also promotes interdisciplinary research and has initiated seed money grant to faculty members for joint research. Faculty members are encouraged to develop project proposals for obtaining financial support from public and private funding agencies and industrial organizations. Our University ensures the continuous fund flow for operation of research projects.

At department level department research committees (DRCs) are formed to monitor research programmes and this committee plays a pivotal role. For the admission of PhD students, we have a structured admission procedure as per the instructions of UGC guidelines. The course works and the academic progress will be evaluated by DRC time to time. There exists an academic administrative section to facilitate the research. For the smooth conduct of the research some equipment are shared. Similarly, college level research is also being coordinated under different faculty discipline and board of studies.

Overall, the university involves constructively in promoting research in every department and affiliated colleges. All departments are encouraged to organize workshops, training programmes and seminars. University sponsors its faculty members to undertake collaborative research programmes with national and international institutions.

University encourages its academic community to publish research papers in refereed and indexed journals. University as a part of publication effort has couple of journals of its own at university and department level. University has signed a few MOUs with Industrial and research organizations for promotion of research. As a part of recognizing the efforts, there are a few awards that have been constituted under trusts and agencies.

Based on the impact of our research in the science departments DST, New Delhi has sanctioned PURSE program for the period 2011-15. Our progress in this program has been rated as excellent. Several of our departments have received special funding for research from UGC, DST, DBT and GUJCOST etc.

Community engagement

Being a rural university we place a lot of emphasize for the community development. Several departments involve village people in its extension activities. Department of Home Science is taking care for the health of vulnerable sections of women and children. They document and keep records of these poor people and counselling them whenever there is a need. University organizes women entrepreneurship development programmes to make them self reliant. Department of MSW interacts with the society often to address some issues of the weaker sections of the society. The university has NCC and NSS. These students' forums undertake several programmes for the village people through village camps. Blood donation camps, health check-ups and specific medical camps are being organized on regular basis.

University has established a Community Science Centre, (Shri C. C. Patel Community Science Centre) partly funded by GUJCOST, Gandhinagar. Its outreach activities directly involve the students from schools, colleges and university and also members of the society in its activities mainly popularization of sciences, creation of scientific temperament and also conducts exhibition of celestial phenomenon. It closely collaborates with PRL, Gujarat Science Academy and other Community Science Centres in the state. All the programmes are assisted by PG teachers of the science departments and research students participate as volunteers of our university. It conducted workshop for farmers of surrounding areas on utilization of banana wastes for making useful products.

University has a community radio station which operates on FM bandwidth. Several programmes of educational, cultural, social, and entertainment are formulated and aired for the benefit of students and citizens up to 8 km radius. Several pogrammes on health precaution, stress management, educational programmes for local farmers are also aired.

Human resource planning and development

For any institution, particularly educational institutions human resources are the most critical inputs for the success of meeting its goal. We have a long term plan in place to acquire, train and retain personnel. Recruitment, training and development will help us to equip ourselves to impart the best knowledge and skill sets to our students. Providing the best academic atmosphere with the right kind of administrative background helps in leading us to approach the optimal delivery mode. The academic persons were recruited based on rules of State Government and regulatory bodies such as UGC, AICTE, and NCTE etc. The faculty members are recruited in three categories such as Professors, Associate Professors and Assistant Professors. The non-teaching staff is recruited at various levels such as officer, clerical, technical and supporting staff. In addition, several persons are promoted internally to the subsequent higher levels based on the rules of promotion. For the development of skills among faculty members, they are encouraged to take training by way of participation in orientation programmes, refresher programmes, training programmes etc. Faculty members are also sent for Faculty Development Programme at IIM, Ahemdabad, and Sardar Patel Institute of Public Administration, Ahemdabad. There used to be workshops to train teachers in Research methodology and research paper writing. Teachers are encouraged to participate in seminars, workshops, conferences, and symposia etc, held nationally and internationally in order to develop their skills. This also provides them interaction with exchange of knowledge between industries, academic institutions of different places. Faculty members are also sponsored to visit other universities and institutions of international repute. Administrative persons are also provided with new skills in administrative activities by deputing them for similar programmes organized by academic staff colleges and institutions. Our computer centre also arrange need based training program for University staff besides in-house training programmes.

Industry interaction

The university has formulated a policy and structured a plan for the interaction with the Industry. To meet up this objective, our university has set up university-industry interaction cell. The faculty members are encouraged to have collaboration with Industry through consultancy and research projects. The university has entered into collaborative research with the industry. We have signed MOUs with Industrial units and research centres for forging the research and its extension. University Industry Interaction Cell (UIIC) has recently published a booklet showing the expertise and infrastructure available for consultancy purpose. (Please refer **http://www.spuvvn.edu/iqac/uiic.php**)**.**

Internationalization

Globalization in education has become a reality as never before. It provides challenges and opportunities. To create world class professionals, the university has adopted several measures in its academic and research activities. To acquire the prominence and purpose the curriculum has to be well designed and reviewed periodically by taking cues and suggestions from experts in the field. The collaborations with foreign universities contribute to a great measure.

Our university has an exclusive international students centre to help foreign students to take admission for post-graduate and doctoral programmes. We provide foreign students with accommodation and other facilities for a comfortable stay in our place. Our continuous efforts have resulted in large number of students enrolling for our academic programmes.

6.2.2 **Describe the university's internal organizational structure and decision making processes and their effectiveness.**

Our University has structured in a well-defined manner where Academic and Administrative functions are separated albeit administrative functions are supportive in nature in the pursuit of the goal attainment of the University. The head of the university is Vice-chancellor who has been presiding over most of the Statutory Academic Bodies like Senate, Syndicate and Heads meetings. The Registrar is the Administrative head of the University. We have Chief Accounts Officer, Deputy Registrars, and Assistant Registrars, Development officer, Medical officer, University Engineer, Director, Computer Centre, University Librarian, Museum Curator, Press Manager, Director, Physical Education and departments like Estate Department, Establishment, and Dispensary. These departments function as per the delegation of powers under the administrative head. Following two charts shows the organization charts of our university.

Organizational Structure of University (General Administration)
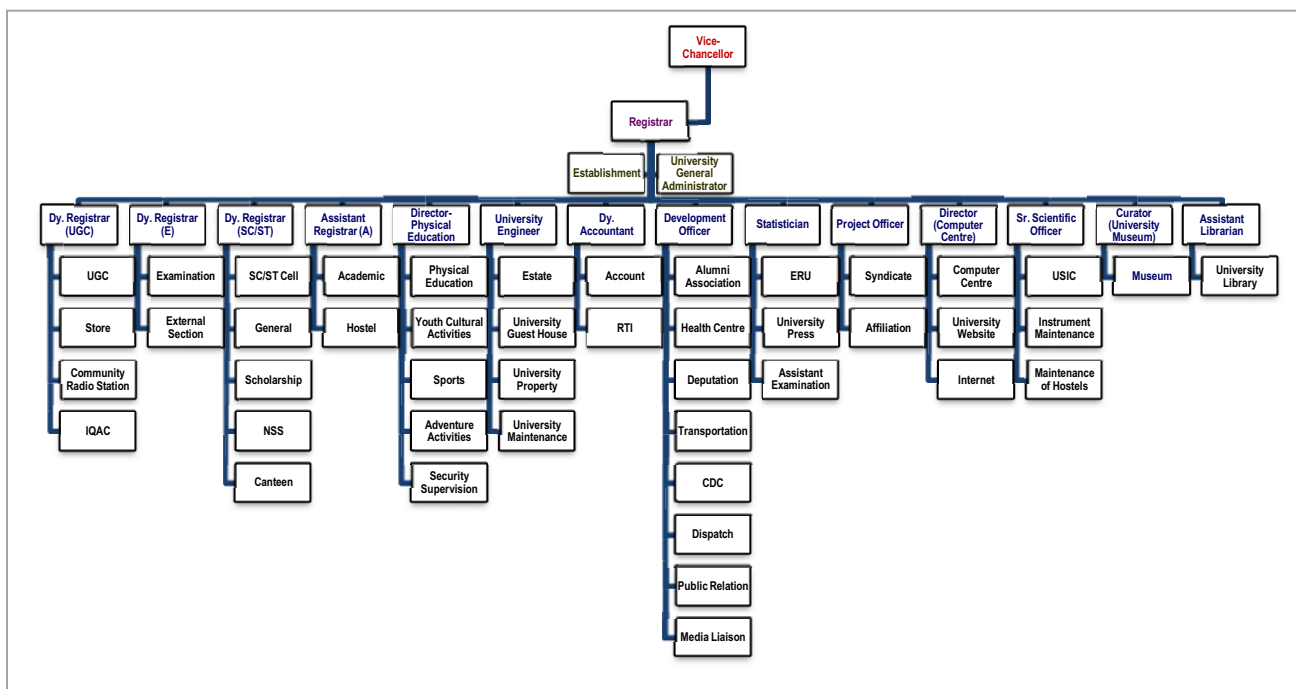
Organization Structure of University (Academic Administration)
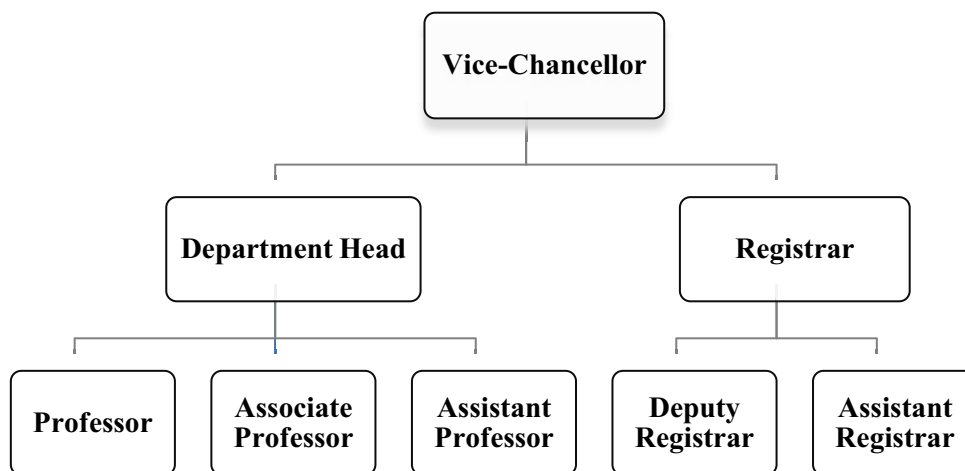
6.2.3 **Does the university have a formal policy to ensure quality? How is it designed, driven, deployed and reviewed?**

Yes, we have a quality policy and we firmly believe in excellence in performance. We are committed to producing quality students in terms of capabilities and skills who should be an asset wherever they work. As a researcher, one should be in a position to visualize a research problem and developing a suitable research methodology for carrying out that research. We take utmost care while recruiting the faculty and orienting them suitably. We try to provide the state of art technology for the deliverance. To ensure the quality we have an organizational mechanism

such as IQAC and DIQAC that are playing a pivotal role in quality assurance in framing the guidelines and their implementation.

6.2.4 **Does the university encourage its academic departments to function independently and autonomously and how does it ensure accountability?**

Yes, the university encourages decentralization and autonomy of the departments with respect to several activities. All the departments are given with full academic autonomy. The Heads of the Departments is responsible for teaching, research and extension activities of the department. Those departments which run programmes exclusively are given full examination autonomy. Remaining departments are permitted decentralized practical examinations. All the departments are given financial autonomy under the delegation of power by competent authorities. These functions are conducted through various committees and the timely, effective completion is ensured. The Vice-Chancellor conducts periodic meetings with Heads of the Departments and Deans to review the programmes of the departments.

6.2.5 **During the last four years, have there been any instances of court cases filed by and against the institute? What were the critical issues and verdicts of the courts on these issues?**

There are not many cases filed against our university. However, few cases about disputes during the senate elections were filed and university got judgments in favour of it. Yet there are two cases related to service of two employees pending in the court.

6.2.6 **How does the university ensure that grievances / complaints are promptly attended to and resolved effectively? Is there a mechanism to analyze the nature of grievances for promoting better stakeholder-relationship?**

We have designed and implemented a structured mechanism to ensure that grievances of students and staff are addressed properly and issues are being resolved. The complaints and suggestions boxes are prominently placed at University and Department levels. The heads of the departments are also receiving complaints which are forwarded to the University for their redressal fast. There is a committee for attending to the grievances that meets frequently. The women grievances cell is also in operation to address the gender related issues. The University is also organizing open house where Vice-Chancellor receives complaints directly in presence of officers. Some of the issues are resolved on the spot. In order to prevent major grievances an ordinance described staff joint consultative committee is framed. It has three representatives of respective staff associations. This committee inculcates and promotes

co-operation and harmony in the functioning of the university. It helps to smooth the relation between employees and university. It also suggests from time to time on measures to increase the efficiency of services and promote the welfare of the employees. Besides, the university has also formed an assessment and monitoring committee to look into issues in general and suggest ways and means to solve it.

6.2.7 Does the university have a mechanism for analyzing student feedback on institutional performance? If yes, what was the institutional response?

Yes, university has a structured feedback collection format by which students are supposed to express their feedback semester wise. The questions would cover the entire gamut of a course from its contents to it delivery. The collected feedback is analyzed and shortcomings are eliminated in subsequent years.

6.2.8 Does the university conduct performance audit of the various departments?

We have a different mechanism whereby we gather the Self Appraisal Report (SAR) collected through forms (as per UGC format) from each department. The faculty members submitting SARs are to fill in with details of their teaching, administration activities, research and publications and extension activities. The SARs for administrative staff are also in place.

6.2.9 What mechanisms have been evolved by the university to identify the developmental needs of its affiliated institutions?

As such University has a supervisory role in the affiliated colleges and other institutions. We have a leading role in their curriculum related aspects through board of studies and preparation of the academic calendar. For the infrastructure related issues we suggest as per the recommendations of Local Inquiry Committees. We have a College development council which is also having several functions for the development of affiliated institutions.

6.2.10 Does the university have a vibrant College **Development Council (CDC)/Board of College and University Development (BCUD)? If yes, detail its structure, functions and achievements.**

We have constituted a College Development Council (CDC) consisting of members from heads of University PG departments, Principals of affiliated colleges, senior teachers of university and colleges, director of Education and the Director/Co-ordinator of the council. Largely, they are policy recommending body for the integrated development of colleges.

Under the aegis of this body we had organised two workshops for teachers on how to get grants for research and, NCTE-Norms and Regulations.

6.3 FACULTY EMPOWERMENT STRATEGIES

6.3.1 What efforts have been made to enhance the professional development of teaching and non-teaching staff?

As mentioned before, our university believes that the quality of teaching faculty ultimately benefits students. Hence teachers are encouraged to attend the quality improvement programmes such as orientation, refresher, seminars, workshops and conferences. During the last five years our teachers have attended many refresher/orientation and short duration programmes. Apart from that we have given computer and internet facilities to all the departments and teachers. They utilize these facilities for their improvements and efficient teaching. We have our own facility under Human Resource Development where we conduct several programmes for quality and skill development. A number of programmes were conducted for non teaching staff also to make them more efficient. We provide computer training for non teaching staff. We have a large central library with INFLIBNET and other data mining software for helping researchers. All departments are also keeping a good library in their department also where they have been provided with several e-resources for their reference. At department level teachers discuss about the programmes in DRC for the benefit of other faculty members. Teachers are also examining the theses of other universities and involve in delivering lectures and participate as experts and panel members of other universities and colleges. Faculty members are also encouraged to conduct Minor and Major research projects under various schemes. Some departments are organising weekly Research Seminars to review their research and for exchanging ideas. Our university earmarks part of research grant (5% of overhead charges) as Personal & Proficiency Development Fund (PPDF) and the faculty members are free to use this fund for their academic and research development. PPDF has been given a code, faculty wise.

6.3.2 What is the outcome of the review of various appraisal methods used by the university? List the important decisions.

The faculty members are encouraged to improve their performance in research and our university has created seed grant, an interdisciplinary research grant from its own resources for initiating research by non initiated teachers. Performance appraisal methods reveal the information about these teachers. Some of these projects got converted to major research projects funded by national agencies.

6.3.3 What are the welfare schemes available for teaching and non-teaching staff? What percentage of staff have benefitted from these schemes in the last four years? Give details.

- Teacher's welfare fund is contributed by all teachers of the university, and a committee monitors its utilization for the teachers.
- Group Insurance Scheme is also mandatory for the employees, the amount is deducted from the salary every month and the amount is given to the teacher at the time of retirement, or to the nominee (in the case of untimely death of the employees). University has taken a master policy with LIC and a policy Karmachari Kalyan Nidhi
- Health centre with laboratory and pharmacy facility is available for serving all employees including retired employees. This facility is also extended to all the students in the campus at concessional rates. There is a full time medical officer and several super specialists from reputed hospitals are invited as visiting doctors on weekly basis. Free medical checkup and camps are arranged for employees and students every six months
- Sports complex with outdoor and indoor games facility
- Swimming pool is under construction.
- Staff quarters.
- Canteen Facility
- Festival and Food grain Advances as per Government rule
- Uniforms, Foot wares and other protective gear to our university support staff
- Tuition Fee Concessions
- Dedicated Bank Branch for University

A large number of employees are the beneficiary of these measures.

6.3.4 What are the measures taken by the University for attracting and retaining eminent faculty?

- A teacher-administrator friendly atmosphere is maintained in the department/university.
- All posts are filled up in the university by advertising in national newspapers and the same is put up on the web site also, so that eminent faculty gets attracted for applying.
- The salary and scale is as per UGC norms and so eminent faculty gets attracted and also retained.
- A Central School (Kendriya Vidyalaya) is functioning under the management of university functioning on our campus where our employees' children get preference in admission.
- Freedom to work
- Quality Infrastructure

- Free access to all centralized facilities
- Retired faculties apply for UGC emeritus Professor Fellowship. Some are accommodated under CISST programme
- Recognition of meritorious works

6.3.5 **Has the university conducted a gender audit during the last five years? If yes, mention a few salient findings.**

With respect to students, our university has registered an increasing number of females compared to males over the years. During the last five years there were as many as 26,810 male students against 21,037 female students with a ratio of 1.27 male for 1 female. However, the year 2014-15 this ratio was just 1.14 male for 1 female though there was fluctuation during this period. It has been observed that there is a growing enrolment of girl students in most of the departments. With respect to teaching staff, however, the male members are more compared to female members. During the year 2010-11 the male ratio was 3.24 against 1 female and this ratio was fallen to 3.08:1 in 2014-15 largely due to the retirement of male faculty. With respect to administration and technical staff male proportion has been high. In the year 2010-11 the male female ratio was 9.34:1 which fell down to 7.58:1 by 2014-15. This decline was happened on account of retirement of the male members during this period.

6.3.6 **Does the university conduct any gender sensitization programmes for its faculty?**

Anti-sexual harassment cells are formed in each department which carries out gender sensitization programmes at department and University level. Also University encourages such programmes by celebrating Women's Day with various activities, competitions, prize distribution, etc. Our university has set up a women study centre sponsored by UGC which has organized a series of lectures on various aspects of women related issues.

(Please refer : **http://www.spuvvn.edu/iqac/womencell.php**)

6.3.7 **What is the impact of the University's Academic Staff College Programmes in enhancing the competencies of the university faculty?**

A large number of our Faculty members have attended Orientation/ Refresher programmes offered by our Human Resource Development Centre formerly known as Academic Staff College. The following table provides the information regarding the number of programmes organized by academic staff college of our university and the number of faculty attended of University and affiliated colleges are provided. Following two tables are meant for providing information on number of

programmes offered by our centre HRDC and number of local and out station students attended in these programmes.

The number of local participants attended in the programmes of UGC-HRDC (formerly Academic Staff College) during 2011-2015 are:

Year	Total OPs[*]	Total Participants in OP	Total RCs[*]	Total Participants in RC	Total STCs[*]	Total Participants in STC
2010-11	05	54	02	03	02	28
2011-12	06	50	05	41	03	25
2012-13	05	46	08	46	01	18
2013-14	06	61	08	89	04	54
2014-15	05	54	10	89	05	26

[*] - (OP – Orientation Programme, RC – Refresher Course, STC – Short Term Course)

The number of outstation participants attended in the programmes of UGC-HRDC (formerly Academic Staff College) during 2011-2015 are:

Year	Total OPs[*]	Total Participants in OP	Total RCs[*]	Total Participants in RC	Total STCs[*]	Total Participants in STC
2010-11	05	54	02	36	02	19
2011-12	06	73	05	74	03	43
2012-13	05	59	08	123	01	8
2013-14	06	74	08	82	04	53
2014-15	05	98	10	179	05	126

[*] - (OP – Orientation Programme, RC – Refresher Course, STC – Short Term Course)

6.4 FINANCIAL MANAGEMENT AND RESOURCE MOBILIZATION

6.4.1 What is the institutional mechanism available to monitor the effective and efficient use of financial resources?

We have computerized our entire accounting system with coding for each and every transaction department wise and head wise for income & expenditure accounts. University maintains the system accurately by using Tally ERP 9, the latest version of software.

We seek proposals of financial requirements from each department. After receiving proposals we call a joint meeting of heads under the chairmanship of Vice chancellor for scrutinizing and finalizing requirements. Budgetary provisions are created and sanctioned, and expenditures are monitored periodically.

6.4.2 **Does the university have a mechanism for internal and external audit? Give details.**

Yes, University appoint chartered accountant firm for internal auditing and preparation of university accounts. Submitted audit report will be placed before Finance and Establishment Committee and on the basis of recommendation of the committee, the internal audit report along with university accounts will be put before the syndicate for its approval. The university senate will consider and approve in its meeting held at every year end.

As per the act of the university, statutory auditor is Local fund office, which is controlled under the finance department of Gujarat Government. External audit will be arranged as per the availability of the Local Fund auditors.

6.4.3 **Are the institution's accounts audited regularly? Have there been any major audit objections, if so, how were they addressed?**

Yes. The compliance of the audit queries raised by the Auditor in Audit report is submitted to State Government after the approval at Senate meeting.

6.4.4 **Provide the audited income and expenditure statement of academic and administrative activities of the last five years. All the audited accounts up to financial year 2014-15 have been approved by the competent authorities like university Syndicate and Senate.**

Audited income and expenditure for the year 2010-11

SARDAR PATEL UNIVERSITY - VALLABH VIDHYANAGAR

INCOME & EXPENDITURE ACCOUNT

FOR THE YEAR ENDED 31-3-2011

INCOME	Annexure	TOTAL AMOUNT Rs.
Other Fees	L	2628790.00
Publication & Endowment Publication Income	M	8059941.00
Miscellaneous Income	N	1916482.50
Interest Income on University own Fund		1796099.86
Block Maintenance Grant		268515000.00
TOTAL		**282916313.36**

EXPENDITURE		
Salary & Allowances	O	246740861.5
Office & Administrative Expenses	P	7373452.80
Deficit of Expenses over Income in University Departments	Q	27330987.43
Miscellaneous Expenses	R	6787746
TOTAL		**288233047.7**

Surplus/(Deficit) Before Prior Period Adjustments	**-5316734.33**
Add: Prior Period Adjustments(Net)	
SURPLUS/ (DEFICIT) FOR THE YEAR	**-5316734.33**

(C/F AS GRANT RECEIVABLE FROM STATE GOVERNMENT IN THE BALANCE SHEET)

We have Prepared these financial statement on the basis of information and explanation provided to us by the University.

Consultant Chartered Accountant
For D G S M & Co.
(FRN 101606W)

D G S M
& Co.
Chartered Accountants
VADODARA

(CA. Subramanya Shenoy)
Membership No.:-142153

Date : 13-07-2012
Place : Vadodara

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Audited income and expenditure for the year 2011-12

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SARDAR PATEL UNIVERSITY - VALLABH VIDHYANAGAR
DRAFT INCOME & EXPENDITURE ACCOUNT

INCOME	Annexure	AMOUNT Rs. 31.03.2012	AMOUNT Rs. 31.03.2011
Other Fees	L	52,50,590.00	26,28,790.00
Publication & Endowment Publication Income	M	62,36,388.00	80,59,941.00
Miscellaneous Income	N	15,05,904.50	19,16,482.50
Block Maintenance Grant		32,80,82,000.00	26,85,15,000.00
Income of University Departments	Q	1,80,24,682.00	1,72,91,733.74
Interest Income on University own Fund		-	17,96,099.86
TOTAL		35,90,99,564.50	30,02,08,047.10
EXPENDITURE			
Salary & Allowances	O	26,95,30,761.00	24,67,40,861.46
Office & Administrative Expenses	P	85,41,178.00	73,73,452.80
Expenses of University Departments	Q	4,95,96,325.00	4,46,22,721.17
Miscellaneous Expenses	R	63,55,052.85	67,87,746.00
TOTAL		33,40,23,316.85	30,55,24,781.43

Surplus/(Deficit) Before Prior Period Adjustments		2,50,76,247.65	(53,16,734.33)
Add: Prior Period Adjustments(Net)			
SURPLUS/ (DEFICIT) FOR THE YEAR		2,50,76,247.65	(53,16,734.33)

(C/F & NET OFF WITH GRANT RECEIVABLE FROM STATE GOVERNMENT IN THE BALANCE SHEET)

We have Prepared these financial statement on the basis of information and explanation provided to us by the University.

SUBJECT TO APPROVAL
Consultant Chartered Accountant
For Kiran Patel & Co.   **For Sardar Patel University**
Chartered Accountants

(CA Hiten Mehta)   Registrar I/c. Chief Accounts Officer   Date: 5|6|14
Partner   Account Sec. Head   Place: V.V. Nagar
                                               Sardar Patel University
                                               Vallabh Vidyanagar-388120.

Incharge Registrar
Sardar Patel University
Vallabh Vidyanagar.

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Audited income and expenditure for the year 2012-13

K. G. PATEL & CO.
CHARTERED ACCOUNTANTS

SARDAR PATEL UNIVERSITY
V. V. NAGAR

Office :
First Floor, K. D. C. C. Bank Bldg.,
Station Road, ANAND - 388 001
Tel. No. 251275, 252575

INCOME EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2013

EXPENDITURE	Sch.	AMOUNT	INCOME	Sch.		AMOUNT
To, **SALARIES AND OTHER ALLOWANCES**	H	290777522.30	By, **GRANT INCOME** MAINTENANCE GRANT (ADHOC)			320000000.00
To, EXAMINATION EXPENSES	I	45911569.00	By, EXAMINATION FEES INCOME	L	85887696.00	
			Less : AMOUNT TRANS. TO EXAM FUND		39976127.00	45911569.00
To, EXPENSES OF UNIVERSITY DEPARTMENT	J	54981883.43	By, INCOME OF UNIVERSITY DEPARTMENT	M		15781842.00
To, OFFICE & OTHER ADM. EXPS.	K	12925600.00	By, EXAMINATION OTHER INCOME	N		156675.00
			By, OTHER FEES INCOME	O		9598435.00
			By, PUBLICATION & ENDOWMENT PUBLICATION INCOME	P		20818.08
			By, MISC. INCOME	Q		3241059.00
			By, INTEREST INCOME			2238569.00
			By, GRANT RECEIVABLE (Deficit)			7647607.65
TOTAL Rs.		**404596574.73**	**TOTAL Rs.**			**404596574.73**

For, SARDAR PATEL UNIVERSITY

REGISTRAR
SARDAR PATEL UNIVERSITY
Authorized Signatories

V. V. NAGAR

ANAND

1 4 NOV 2014
DATE:

DATE: 1 5 NOV 2014

I/c. Chief Accounts Officer
Sardar Patel University
Vallabh Vidyanagar-388120.

K. G. PATEL & CO.
VERIFIED
ANAND

As per our Internal Audit Report of Even Date

For, K. G. Patel & Co.
Chartered Accountants

Partner
K. G. Patel
M. No. 12087
FRN # 107716W

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Audited income and expenditure for the year 2013-14

K. G. PATEL & CO.
CHARTERED ACCOUNTANTS

SARDAR PATEL UNIVERSITY
V. V. NAGAR

Office :
First Floor, K. D. C. C. Bank Bldg.,
Station Road, ANAND - 388 001
Tel. No. 251275, 252575

INCOME EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2014

EXPENDITURE	Sch.	AMOUNT	INCOME	Sch.		AMOUNT
To, **SALARIES AND OTHER ALLOWANCES**	H	330779915.50	By, **GRANT INCOME** MAINTENANCE GRANT (ADHOC)			292100000.00
To, EXAMINATION EXPENSES	I	49202977.00	By, EXAMINATION FEES INCOME	L	85874829.00	
			Less : AMOUNT TRANS. TO EXAM FUND		36671852.00	49202977.00
To, EXPENSES OF UNIVERSITY DEPARTMENT	J	58080557.00				
			By, INCOME OF UNIVERSITY DEPARTMENT	M		17707180.00
To, OFFICE & OTHER ADM. EXPS.	K	14464521.92	By, EXAMINATION OTHER INCOME	N		175650.00
			By, OTHER FEES INCOME	O		7495248.00
			By, PUBLICATION & ENDOWMENT PUBLICATION INCOME	P		36779.28
			By, MISC. INCOME	Q		2474561.86
			By, INTEREST ON SAVING BANK			360205.00
			By, GRANT RECEIVABLE			82975370.28
TOTAL Rs.		452527971.42	**TOTAL Rs.**			452527971.42

For, SARDAR PATEL UNIVERSITY

Chief Account Officer
Authorized Signatories Sardar Patel University
Vallabh Vidyanagar (Guj.)
V. V. NAGAR

I/c. Registrar
Sardar Patel University
Vallabh Vidyanagar (Guj.)
ANAND

DATE: 1 8 MAY 2015   DATE:

1 8 MAY 2015

As per our Internal Audit Report of Even Date

For, K. G. Patel & Co.
Chartered Accountants

Partner
K. G. Patel
M. No. 12087
FRN # 107716W

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Audited income and expenditure for the year 2014-15

K. G. PATEL & CO. CHARTERED ACCOUNTANTS			SARDAR PATEL UNIVERSITY V. V. NAGAR			Office : First Floor, K. D. C. C. Bank Bldg., Station Road, ANAND - 388 001 Tel. No. 251275, 252575
			INCOME EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31ST MARCH 2015			
EXPENDITURE	**Sch.**	**AMOUNT**	**INCOME**	**Sch.**		**AMOUNT**
To, SALARIES AND OTHER ALLOWANCES	H	397902845.50	By, **GRANT INCOME** MAINTENANCE GRANT (ADHOC)			438100000.00
To, EXAMINATION EXPENSES	I	45019290.00	By, EXAMINATION FEES INCOME	L	89468823.00	
			Less : AMOUNT TRANS. TO EXAM FUND		44449533.00	45019290.00
To, EXPENSES OF UNIVERSITY DEPARTMENT	J	61012544.00	By, INCOME OF UNIVERSITY DEPARTMENT	M		21796402.00
To, OFFICE & OTHER ADM. EXPS.	K	16009909.60	By, EXAMINATION OTHER INCOME	N		172000.00
			By, OTHER FEES INCOME	O		7239469.00
			By, PUBLICATION & ENDOWMENT PUBLICATION INCOME	P		10865.00
			By, MISC. INCOME	Q		761302.00
			By, INTEREST ON SAVING BANK			441293.00
			By, GRANT RECEIVABLE			6403968.10
TOTAL Rs.		**519944589.10**	**TOTAL Rs.**			**519944589.10**

For, SARDAR PATEL UNIVERSITY

Chief Account Officer
Sardar Patel University
Vallabh Vidyanagar (Guj.)
Authorized Signatories

V. V. NAGAR

DATE: 21 SEP 2015

I/c. Registrar
Sardar Patel University
Vallabh Vidyanagar (Guj.)

ANAND

DATE:

21 SEP 2015

As per our Internal Audit Report of Even Date

For, K. G. Patel & Co.
Chartered Accountants

Partner
K. G. Patel
M. No. 12087
FRN # 107716W

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6.4.5 Narrate the efforts taken by the University for Resource Mobilization.

Our resources are mainly derived from tuition and other fees, funded research projects from various agencies, funds for centres of excellence, special assistance programmes, analytical services of industries and consultancy projects, maintenance and development grants and self finance courses. Our university has several development funds earmarked from above sources.

- Central Development Fund
- Department wise Development Fund
- University Development Fund
- Security Development Fund
- Campus Development Fund
- Hostel Development Fund
- Sports Development Fund
- Library Development Fund

Sardar Patel University, Vallabh Vidyanagar, Gujarat

- Examination Development Fund

Apart from sources of funds mentioned above we also take initiatives to get generous donations from philanthropists and other donors. The allotted amount will be utilised for the purpose for which it is being given though the fund will be yielding interest for the time period being kept as a deposits. We also claim 25% of such received amount from UGC under matching grant scheme. Following table provides the information regarding the donation received for the last five years.

Donation received by university for the last five years (2010-2015)

Sr. No.	Period	Donation Amount (in ₹)
1	01/04/2014 to 21/03/2015	2,47,48,028
2	01/04/2013 to 21/03/2014	17,03,988
3	01/04/2012 to 21/03/2013	3,51,000
4	01/04/2011 to 21/03/2012	8,47,500
5	01/04/2010 to 21/03/2011	29,80,315

6.4.6 Is there any provision for the university to create a corpus fund? If yes, give details.

Yes, the interest earned on investments and the income over expenditure particularly examination is transferred to our Corpus. Currently we have a corpus of Rs 110 Crores as on 31-3-2016. We have invested this Corpus fund in long term and short term investments.

6.5 INTERNAL QUALITY ASSURANCE SYSTEM

6.5.1 Does the university conduct an academic audit of its departments? If yes, give details.

Since the Government of Gujarat has formed Knowledge Consortium of Gujarat (KCG) for Academic and Administrative Audit. We will be submitting our intent soon for AAA for covering for last five years.

6.5.2 Based on the recommendations of the academic audit, what specific measures have been taken by the university to improve teaching, learning and evaluation?

Please see 6.5.1

6.5.3 Is there a central body within the university to continuously review the teaching learning process? Give details of its structure, methodologies of operations and outcome?

The Academic Council and Board of Faculty chaired by Vice chancellor and Deans of Faculty respectively are the apex bodies that review and recommend the suggestions of teaching and learning proposed by board of studies.

6.5.4 **How has IQAC contributed to institutionalizing quality assurance strategies and processes?**

The IQAC has recommended to co-opt the Co-ordinators in various sub committees formed to frame guidelines regarding admission, academic and extension activities. The pro active role of IQAC is described in details in 7.2.1

6.5.5 **How many decisions of the IQAC have been placed before the statutory authorities of the University for Implementation?**

Same as 6.5.4

6.5.6 **Does the IQAC have external members on its committees? If so, mention any significant contribution made by such members.**

No

6.5.7 **Has the IQAC conducted any study on the incremental academic growth of students from disadvantaged sections of society?**

Yes. IQAC on annual basis review the status of scholarship, free studentship and remedial coaching etc for the disadvantaged sections of society and streamline the process of academic and financial assistance.

6.5.8 **What policies are in place for the periodic review of administrative and academic departments, subject areas, research centres, etc.?**

The departments covered under major funding by national agencies have annual review meetings of advisory committee headed by the VC and experts from UGC. Similarly, other programmes from GUJCOST, DBT and DST are also reviewed periodically in mid-term meetings. DST PURSE program is reviewed by Project Management Board (PMB) for the progress of research work.
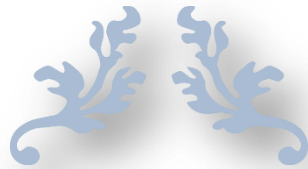
CRITERION VII

[INNOVATIONS AND BEST PRACTICES]

CRITERION-VII
[INNOVATIONS AND BEST PRACTICES]

7.1 ENVIRONMENT CONSCIOUSNESS

7.1.1 Does the university conduct a Green Audit of its campus?

The University is located in the heart of Vallabh Vidyanagar which is having the highest tree plantation in this area of the district in the Gujarat State.

The University is collaborating with Vidyanagar nature club, a registered charitable trust of Vallabh Vidyanagar, for environmental conservation, assessment and awareness in the campus for students and people at large. They are regularly assessing the environmental aspects especially related to tree conservation and plantation and are also advising on use of technologies for sustainable development.

Some of the campaigns like anti-polythene bag campaign, save the vultures campaign, anti-pollution campaign, survey of biodiversity in terms of flora and fauna have helped in making the campus environment friendly.

There is no activity leading to air and water pollution. The areas like University Office, Library and Departments are declared silent zones to keep noise pollution under control and keep the campus quite.

7.1.2 What are the initiatives taken by the university to make the campus eco-friendly?

- **Energy conservation:** The University is taking several measures for energy conversation. With a view to conserve electricity, conscious efforts of switching off are made, when electricity is not required. Instructions to run air conditioners on energy saving mode is given. Energy-saving fixtures, lamps, lighting control systems are being installed.

- **Use of renewable energy:** Solar energy harvesting systems have been installed at various places in the university campus for generating electricity to save electricity bills. Such installations with single or dual axel tracking systems have been installed in the University office, M. B. A. Department, Physics Department and Economics Department. It has resulted into power generations of 9 KVA. Solar water heating systems have been installed in many of the University run hostels for obtaining 24 hours hot water. These systems are helping in reducing carbon emission, have low maintenance and are labour free. Along with the hybrid solar system,

a wind mill system has been installe**d** on the roof of Physics Department. On these installations, an M. Sc. Laboratory, a Class room, department and Head's office are working.

- **Water harvesting:** The University has taken initiatives in rain water harvesting which helps in ground water recharge, salinity control and maintenance of soil humidity. Such installations have been made at University colony ground, University Guest House, University Women's Hostel, Vice-Chancellor Bungalow and Community Science Centre. This has helped in minting the ground water table in the campus.

- **Check dam construction:** No scope of check dam construction in this region of the state.

- **Efforts for Carbon neutrality:** Various departments and distant campuses are observing Vehicle Free Day on regular basis, helping the environment to reduce carbon emission. Conscious efforts are made for the restricted use of air conditioners to reduce the greenhouse gases along with CO_2. With a view to eliminate the carbon foot-prints and emissions, laboratories of Department of Chemistry are supplied with natural gas-based connection. Even **a natural gas-based, back-up generator supplies electricity, in case of power failure.**

- **Plantation:** The University has regular drives for plantation to maintain green coverage of the main campus as well as distant campuses. These movements are supported by different environment conscious organizations and Government Forest Department. Green campuses have been developed with such efforts at Computer Science Department and Bio Science Department.

- **Hazardous waste management:** No department in general has generation of hazardous waste. Biomedical waste generated by health centre is segregated and then handed over to 'Samvedna" an agency authorized to handle and dispose of such kinds of waste. Departments like Chemistry, Biosciences and Home Science where there is a use of chemicals and biological materials; the disposal of waste is done as per the prescribed rules and norms.

- **E-waste management:** Computers with old version have been given to an NGO for the purpose of education free of cost. The other E-waste is disposed off through tendering to the parties who are handling such waste.

- **Solar Power System:** The Department of Physics has developed the Solar Power System using both single and dual axial tracking systems with a generation capacity of 1.5 to 3.0 KW/h. The off grid systems are installed on the terrace of Department of Physics, VC's office, MBA Department and Agro-economics research centre. The storage of energy is used as a backup.

7.2 INNOVATIONS

7.2.1 Give details of innovations introduced during the last four years which have created a positive impact on the functioning of the university.

Numerous quality initiatives have been taken up by the Sardar Patel University for its effective and efficient performance. The following are the major initiatives:

IQAC: IQAC, as a facilitator between academic and administration, has carried out following innovative approaches.
- Implementation and actual execution of Choice Based Credit System (CBCS) at Under-Graduate and Post-Graduate level across the Faculties of the university.
- Implementation of UGC Minimum Requirements for Ph.D. (Including Ph.D. Entrance Test and Ph.D. Coursework).
- Arrangement of workshops and seminars on quality improvement parameters.
- Facilitation in singing of MoUs and Patent Filing etc.
- Redesign of examination papers and proportion of weightage between internal and external across the Faculties of the university.
- Familiarization and Training to both teaching and non-teaching staff members of the university and affiliated colleges and institutions for examination related issues namely paper setting, assessment and conduction of examinations.
- Implementation of UGC Career Advancement Scheme (CAS) and arrangement of assessment process through Academic Performance Indicators (API)
- Ensuring the speedy disposal of CAS cases
- Acting as nodal agency for AISHE and uploading of necessary information.
- Handholding and assisting new colleges and institutions for getting recognition under 2(f) and 12 (b) of UGC
- Coordinating the planning and distribution of funds to various department and sections from planned grants of 11th and 12th plans
- Arrangement of workshops and programmes for under graduate, post graduate and Ph.D. students to display their creativity through projects under Anveshan programme.

- Arrangement of convention and research scholars meet
- Preparation of brief appraisal of efforts made to initiate and familiarize the preparation of Sardar Patel University for AAA, KCG, Gujarat and Next Cycle of Reaccreditation (NAAC)

Memorandum of Understandings: The University has signed MoU with Government of Gujarat and District collectors for preparation of District Human Development Report for Dang District and Panchmahal District. The University has also signed MoU with the Papua New Guinea University of Technology, LAE, PNG to implement academic and professional cooperation and collaboration through research, study and training in furthering the advancement of learning, knowledge, business management, science and technology, and professional development. MoU has been signed with University of Turku, Finland and Tooltech to develop centre of excellence in Biotechnology for affordable health (for creating knowledge centre with the aim of commercialization, knowledge upgrade, internationalization and industrialization of such research, relevant to the goals which benefit science and society).

Alumni Associations: Various departments of the university have separate alumni associations at the department level. University level alumni association has been founded and registered the same under the Cooperative Societies Registration Act, 1860. On formation of University level alumni association, alumni associations of the department have been functioning as Chapters to have lively contact with departments' alumnus. Alumnus of the departments are invited on the day of the Convocation to their respective departments to interact with their teachers and the other students.

Implementation of CBCS: University had implemented CBCS System in all under graduate and post graduate programme. University has formed Task force/ CBCS Review committee to monitor and to make necessary amendment in the CBCS policies as per the UGC and state government guidelines. Moreover, University has also organized Work shop /Seminar / Training programme for all teaching and non teaching staff of the department and colleges to make them familiar with the CBCS System. Seminar was organised by Examination Reforms Unit (ERU) and Internal Quality Assurance Cell (IQAC) on "Challenges and Problems in Implementing Choice Based Credit System (CBCS) at UG Level" to explain technical aspects and to dispel the doubts.

Examination Reforms: The University has initiated below mentioned examination reforms and all these reforms have been implemented in all the university departments and colleges.

- Indication of the name of the student and name of the department/college in the students Grade Card/Mark-sheet and Degree Certificate of the students.
- Observation of Answer-book in all semesters/year undergraduate and post graduate examinations
- Preparation and implementation of question paper style format for all CBCS Examination.
- Examination Autonomy to all concerned department where single/unique post graduate course is offered.
- Decentralised Undergraduate BA/BCOM/BSC/BCA/BBA/BSW-I Semester examination which are offered in various affiliated colleges
- Decentralised all Practical Examination of Undergraduate and Post Graduate Courses conducted at various Departments/ Colleges / Institutions
- Deposit of examination remuneration in bank account

Information and Communication Technology: In order to strengthen the applications of information and communication technology in academics, research and administration, the University has taken up campus networking project and completed it successfully. The University also provides integrated e-platform for student management life cycle. The University web-site is upgraded periodically. It also provides Wi-Fi to many departments and student hostels. The University computer centre has organized orientation programme on the usage of online system.

Grievance Redressal Mechanism: The University takes pride in the fact that we have never had strikes on the campus. Academic sessions begin every year on time, examinations are announced and conducted on time, and central evaluation is conducted and results declared on time. Complete confidentiality is observed in on-the-spot evaluation and resolution of the problems. Our successive Vice Chancellors have made himself accessible to the student community throughout the year, depending on the nature of their daily schedule. Women's cell has also been established to handle the grievances of girls and female employees of the university. Departmental Anti-ragging committee and women's cell have also been constituted to handle or prevent ragging and to address women grievances at the department level.

Staff Joint Consultative Committee: A Staff Joint Consultative Committee has been constituted under O.99 to inculcate and promote amongst the employees of the University a spirit of co-operation, harmony and efficient service in the functioning of the University; to smoothen the relationship between the University as the employer and as employees and to promote harmonious relations and secure the greatest measure of cooperation between the University in its capacity as the

employer as the general body of the non-teaching employees, in matters of common concern and with a view further to increasing the efficiency of service and promoting the well-being of the employees.

Journals: The University publishes 6 journals (Journal of Education and Psychology by Department of Education, Arth Vikas – Journal of Economic Development by Department of Economics, PRAJANA: Journal of Pure and Applied Sciences – Basic Science by Registrar, Sardar Patel University, PRAJNA – Humanities by Registrar, Sardar Patel University, Journal of Engineering and Technology by Birla Vishwakarma Mahavidyalaya and SYNERGY- A Journal of Management by M. B. A. department) to create and promote research environment among the research scholars and teachers across the University.

Transparency in Admission: There is complete transparency in admissions granted on the basis of merit as the merit list for the masters, M. Phil. and Ph. D. programmes is prepared and put on the University website. The university has adhered to the national and state reservation policies in the granting of admissions. Students from communities belonging to Schedule Castes, Schedule Tribes, Socially and Economically Backward Classes, Physically or Visually Challenged groups, children of retired army men and women etc. are admitted on merit against their reserved quota and, therefore, there have been no complaints of discrimination. Processes of enrolment of the students and work flow system have also been made online to avoid delay and to have faster administrative decisions and approvals.

Freeships to meritorious students: 10% of the meritorious students admitted on self-financing basis are granted 50% Freeships on the basis of their merit standing at the Under Graduate Degree for those in the first year of the two-year masters programme and during the second year on the basis of their performance in the examination in the first year of masters programme. This works as a great incentive, and motivates our students to compete so as to be eligible for the 50% Freeships.

Felicitation of the students and the retiring employees: Students receiving gold medals for their outstanding performance in their final year exams are invited a day before the annual convocation, publicly felicitated in the presence of their parents, the teaching fraternity, administrative staff, and leading citizens of the township specially invited for the purpose, and this ends with a dinner where they get to interact with everyone present. Employees retiring during any given academic year are publicly felicitated and given a warm farewell as a result of which a permanent bond gets at once established between the university and the retiring employees, creating a lot of goodwill. The

university also disburses gratuity and leave encashment fully by cheque to its superannuating employees on the day of their retirement.

Medical facilities: The University students Health Centre provides primary health facilities to all the employees and students registered in the University. This is over and above the health facilities available in all the government hospitals as per the norms identified by the Government of Gujarat. The university reimburses the actual expenditure incurred during the illness as per the norms set by the government. Over and above medical facilities (diagnosis and medication) to the University students, University employees and their families; facilities available in the University Health Centre are to be extended to the superannuating employees and their families. Service of specialized doctors is also rendered to the staff over and above medication by the University medical officer.

Centralised Book Purchase: The University has constituted library committee to make central purchase of the books of all the departments so as to avail maximum discount ranging from 24%-50%.

Book Fair: The University has organized book fair for 2 days wherein the publishers/distributors were invited for making prompt purchase of books recommended by the teachers, students and research fellow.

Library: The University Library is well-equipped with ICT. It provides Wi-Fi services, cyber cafe, current awareness services, selective dissemination of information, reference services, reprography service, internet facility, reading room facility, document delivery service and inter library loan service to the readers and departmental level libraries. The University has organized career corner with a view to provide the students the literature pertaining to various competitive examinations, UGC NET/SLET, TOFFEL etc. and thereby to aid to the students to build their career. University gives library facilities to superannuating teachers also. They are given membership of the University library on the payment of Non-refundable fees of ₹2,000.

International Students Centre: Every year 10 to 25 foreign and NRI students on various programme in the University are admitted through Indian Council for Cultural Relations (ICCR), Ministry of External Affairs, Government of India, New Delhi.

National Service Scheme (NSS): The University has NSS in 32 affiliated colleges, having 5000 volunteers. The University takes pride in offering NSS as elective subject. The University has more than 40 students as "Swacchatta Senaani".

Affiliation to 39 colleges from Gujarat University: The University has given affiliation to 39 colleges from Gujarat University and taken up the issues relating to their representation in statutory bodies of the

University promptly, recognition of teachers from colleges as PG teacher and Ph. D. guide.

SEED Money for Research: To create and promote research among the teachers of the departments and affiliated colleges who have not been approached for funding for research, SEED money is utilised to sanction minor research projects.

Personal Proficiency Development Fund (PPDF): The University has created Personal Proficiency Development Fund out of Overhead Budget of the various research schemes granted by the different funding agencies with a view to meet research and educational activities; to purchase international books, journals and e-journals; to subscribe research journals; to participate in seminar, symposia, conference (to meet TA/DA and Registration fees); to purchase learning materials, scientific equipments, Laptops; and to depute the other teacher to attend seminar, conference etc. with a permission of the teacher who has credit amount in his PPDF.

Group Insurance Scheme: This scheme is available to all teaching and non-teaching staff. Every employee contributes per month to this scheme. In case of a premature death of an employee, the amount is paid to kith and kin of the deceased. If the employee retires after attaining superannuation or voluntary retirement, an employee is paid the amount of his/her contribution after certain deductions

Teacher welfare fund: Sardar Patel University Teachers' welfare fund (SPUTWEF) has been created to provide financial assistance to member –teachers who have been compelled to abstain from work owing to prolonged illness, serious physical or mental disability, provided he/she is on leave. Moreover, other welfare activities are undertaken for the members and their families. In the event of death of a member, his/her nominee is given financial assistance in case of full-time salaried teachers as well as part-time salaried teachers.

KALYANNIDHI: Sardar Patel University Non-teaching staff welfare fund (KALYANNIDHI) has been created to provide financial assistance to member –teachers who have been compelled to abstain from work on leave without pay owing to prolonged illness, serious physical or mental disability; to provide financial assistance to the legal heir of the member in case of death of the member and to provide financial assistance to the member who retires from the university service.

Transparency in Tendering and Order Work: The University invites tenders by giving advertisement in leading and local News Papers. Tender documents are opened in presence of all the firms who have sent tenders.

Design and development of New Food products: PG Students of Home Science department have designed and developed new food products for various health claims and special conditions such as for sports person, for children, convenience foods etc.

CISST: The University facilitates **involvement and participation of faculty members from departments of Physics, Chemistry, Biosciences, Electronics, Mathematics and Statistics and Computer science in teaching programme on a common platform of CISST. It also facilitates central equipment facility for the researchers from all the Science Departments.**

Preparation of Audio Book for Blind People's Association: "Tattvamasi" by Shri Dhruvbhai Bhatt, a well known Gujarati Novel cum Life enriching and guiding story depicting the life on the banks of river Narmada, and a recipient of 'Rashtriya Sahitya Academy Award' was selected and audio book was prepared utilizing honorary services from an expert announcer and reader and was recorded, edited and prepared at the University's Community Radio Station.

Sardar Patel University Community Outreach and Extension Programme - A Pilot Project: Continuing the mission of the University of "Resurgence of Rural India" by taking education and applications of study and research in various disciplines of knowledge to the doorsteps of rural areas, and prepare the citizens and leaders of new free nation as envisioned by Sardar Vallabhbhai Patel, the University undertook a pilot of SARDAR PATEL UNIVERSITY COMMUNITY OUTREACH AND EXTENSION PROGRAMME.

Loans from General Provident Fund (GPF)/Contributory Provident Fund (CPF): All the teaching and non-teaching staff are provided interest free loan up to 75% of the contribution of the employee from their own funds deposited in GPF/CPF. The loan is provided for (a) the marriage, (b) other social occasions, (c) cover illness, (d) purchase of a house, (e) purchase of vehicles, and (f) for higher education purpose.

7.3 BEST PRACTICES

7.3.1 Give details of any two best practices which have contributed to better academic and administrative functioning of the university

Best Practice – I

Title of the Practice: Promotion of Research through SEED grant and establishment of interdisciplinary research centres

Objectives of the Practice:

- To inculcate and develop a research culture among teachers and students of the University
- To encourage and facilitate the teachers for undertaking minor and major research projects from UGC and various other funding agencies
- To increase awareness and benefits of interdisciplinary research in basic sciences, humanities and social sciences
- To facilitate interaction among researchers of different disciplines through establishment of interdisciplinary research centres

The Context:

The University teachers appointed as Assistant or Associate Professors though may have very good research and innovative ideas, are constraint with funding to implement and experiment on their ideas. Provided some start-up grant, they will be able to go ahead with and pursue their ideas giving them results which may provide a platform to them for establishing their long and bright research career benefiting the University. They may be hesitating in approaching the national agencies for the funds and if such an opportunity is provided to them in form of SEED grant at their home institute, they will be able to carry out and initiate their research with confidence. With the result achieved, they may be able to convince the national or other funding agencies to finance their research projects considering the future prospects.

A multidisciplinary approach to study and research has now become a demand of the time as a result of the levels at which the contemporary advancement of knowledge in different disciplines have reached. Consequently the university is establishing the CISST for promotion for Interdisciplinary Studies and Research in Science and Technology, in particular, for the implementation of the PURSE Programme. The centre is expected to provide a platform for design and implementation of teaching and research programmes of interdisciplinary nature.

The Practice:

The University organizes workshops with an emphasis on interdisciplinary research themes where researchers across the University as well as experts from medical and agricultural faculties from collaborating institutions are invited for brainstorming on prospective interdisciplinary research areas.

The University also organizes joint workshops with Knowledge Consortium of Gujarat, Government of Gujarat for the University and affiliated college teachers of basic sciences, home science, management, commerce, humanities and social sciences disciplines for preparation of research proposal which are discussed and finalized with the experts in the subject area as mentors for onward submission to various funding agencies.

The University, for its young faculty members, provides SEED grant as start-up resource to initiate in the research area of their subject as basic research or area of interdisciplinary research. For the purpose of allocation of SEED grant, research proposals are selected on the following considerations:

- Objective, methodology and outcomes of the research project proposal
- Teachers in the cadre of Assistant or Associate Professor are given preference
- Teachers not having any minor or major research project are given priority
- The fund of ₹25,00,000 is earmarked for the purpose from the University's own resources
- The scrutinized research proposals are presented and a grant up to ₹1,00,000 p.a. per research proposal is sanctioned.

The University has established Centre for Interdisciplinary Studies in Science and Technology (CISST) which houses central experimental facilities, consisting of the equipments under the DST-PURSE so as to facilitate and promote interdisciplinary research and academic activities.

A committee consisting of the retired Vice-Chancellors has been constituted to consider the possibility of establishment of the centre, promoting interdisciplinary research and academic activities especially for humanities and social sciences. Considering their positive response, the University is going to establish a similar centre in line of the CISST for social sciences.

Evidence of Success:

- Ten Interdisciplinary Research projects have been initiated to promote interdisciplinary research collaboration.
- The research projects completed with the help of SEED grant have been proposed and approved by various national funding agencies.
- Faculties are also allowed to utilize the SEED grant for attending the seminars and conferences (TA/DA and registration fees).
- CISST has started functioning with research facilities established from DST-PURSE grant equipments catering the need of basic sciences and interdisciplinary research. The approach of housing and establishing such common facilities for interdisciplinary research haven been appreciated and considered "excellent" by DST, Government of India.
- Three teaching and research programmes have been identified after successive rounds of brainstorming session which are
  - Biomedical Science and Technology
  - Defence Science and Technology
  - Earth System Science

These programmes are run by CISST with the help of the faculty members of the University departments having expertise in the area and other invited faculty members institutions like PRL, ISRO and The M. S. University of Baroda and others. Considering the importance of the proposed research and training areas in the present scenario, government of Gujarat has also sanctioned the teaching posts which will help us in recruiting the expert faculties in these areas.

Considering the future prospects of research and development in the proposed programmes of CISST, Donors have generously donated ₹2,00,00,000 for construction of a new CISST building.

On receiving favourable reports and encouraging remarks and suggestions from the Vice-Chancellors' committee, the University has announced for the establishment of Centre for Interdisciplinary Studies in Humanities and Social Sciences in line of CISST. Donors have also agreed to donate generously ₹1,00,00,000 for establishment of infrastructural facilities for the proposed centre.

Problems Encountered and Resources Required:

- Since the M.Sc. Programme are innovative, new and yet to be published among prospective students and employers; we at present are getting only a couple of students to begin with. However, it is hopeful that these programmes will pick up the interest of the students in coming future and we have already initiated awareness

campaign about the job and research opportunities in the chosen areas.

- More specialized faculties especially in the chose areas are required for handling advanced level topics and also guiding the students for Projects and PhD.
- Similarly, more specialized equipments are to be purchased for practical training of the students.

Best Practice – II

Title of the Practice: Fund Management

Objectives of the Practice:

- **To generate the fund for the development of research and infrastructural facilities**
- **To make optimum utilization of fund**
- **To make fruitful investment of ideal fund**

The Context:

Due to revision of pattern for fixation of the yearly maintenance grant from vide GR dated 01-04-1997 by education department, government of Gujarat; reimbursement of the loss was not possible for the purpose and calculating the maintenance grants of the University under the head "examination" and an additional income generated through different sources i.e. donation, increase of fees except tuition fees etc. shall not be considered as the income of the University for the purpose of calculating maintenance grant of the University. In this line, the University has also started creation of funds to facilitate and promote research activities, to develop infrastructural facilities, to meet staff deficit and fund deficit from various funding agencies. Under a single umbrella of Corpus fund, various funds out of surplus of the respective budget heads such as Self Finance courses Funds, Funds from external courses, Examination Development funds, Library fund, Personal proficiency development fund have been created. Even surplus of corpus funds is strategically invested to get fruitful returns.

The Practice:

Creation and utilization of funds

- Central Development Fund: Out of surplus of tuition fees of self finance incomes, 30% of the surplus is utilized for creation of Central Development Fund for the purpose of development of research activities and infrastructural facilities.

- Department Development fund: In the line of Central development fund, Out of surplus of tuition fees of self finance incomes, 30% of the surplus is utilized for creation of Department Development Fund for the purpose of development of research activities and infrastructural facilities at the departmental level.

- Surplus from External courses: the University runs UG and PG level external courses. Surplus from the income from external courses is transferred to the University corpus fund which is utilized for the development of teaching, research and extension activities.

- Personal Proficiency Development Fund (PPDF): The University has created Personal Proficiency Development Fund out of Overhead Budget of the various research schemes granted by the different funding agencies with a view to meet research and educational activities; to purchase international books, journals and e-journals; to subscribe research journals; to participate in seminar, symposia, conference (to meet TA/DA and Registration fees); to purchase learning materials, scientific equipments, Laptops; and to depute the other teacher to attend seminar, conference etc. with a permission of the teacher who has credit amount in his PPDF.

- Recurring Development Fund: As per Notification dated 7-4-1997 of Govt. Of Gujarat additional income generalized either from Exam & Tuition fees like interest of Involvement of University own fund is transferred to RDF.

- Security Services Fund: The University receives ₹2,00,000 p.a. as security service from the Government of Gujarat. Being the amount is insufficient for the security purpose, security service charges are being charged from the students of University departments and the students residing in the University hostels and security services fund has been created with a view to compensate expenditure on security.

- Library Development fund: Unclaimed deposit by the University members is transferred to Library development fund which has been generated to create and provide library facilities such as Wi-Fi services, cyber cafe, current awareness services, selective dissemination of information, reference services, reprography service, internet facility, reading room facility, document delivery service etc.

- Hostel Development Fund: Penalty and unclaimed deposit are transferred to the Hostel development fund and the same is utilized for providing better facilities to the students staying in the University hostels.

- Examination development fund: Excess of income over expenditure from examination fees is transferred to examination development

fund for utilization of infrastructural facilities, ICT and strengthening of the University press particularly for the examination unit.

Over and above aforementioned utilizations of the University corpus, it is utilized to pay remuneration or salary to the ad-hoc/ contractual appointed faculties, administrative and supporting staff due to unfilled positions against the sanctioned vacancies and superannuated employees.

Moreover, the University provides financial assistance to the Departments and supporting services for the addition, alteration and renovation of the existing buildings, purchase of scientific equipments and development of other infrastructural facilities.

Investment

Surplus of corpus fund is strategically invested both as long term investment i.e. for 5 years and as short term investment i.e. for 1 year. The long term investment can be made in either 8% Government Taxable Bonds or in 6.5% Non-taxable bonds. As the University income is exempted under section 10 (23) (c) of the Income-tax Act, 1961, the University makes investment in the first option. With a view to manage liquidity, some of the ideal fund can be invested with the banks as short term investment in Fixed Deposit for 1 year. For the purpose, banks are approached to provide the maturity value of the fund to be invested. On the receipt of the maturity value, comparative statement of maximum rate with maturity value is prepared and the banks' representatives are invited for the negotiation and then the bank with the highest rate of interest and the maturity value is given the deposit for the period of 1 year.

Evidence of Success:

- The practice has helped the university to meet cut in recruitment of the employees by making appointment of ad-hoc and contractual staff.
- It has resulted into remarkable increase in the University corpus fund.
- It has become possible for the University in timely payment of the salary and retirement benefits.
- Liquidity and solvency of the University have improved.
- The University Funds required for promoting and developing research activities have increased and research environment has been developed by utilizing the fund as SEED grant. Interdisciplinary research activates have also been promoted with the help of the fund.

- Basic infrastructural facilities like "Gyanoday" (examination bhavan), Yugpurush swami Vivekanand Sports complex up to the mark at international level have been created.
- MoU with Gujarat Info Petro Limited has been made to make student cycle online (admission to award of degree) with the help of the fund. Human Resource module and Inventory software have been developed and introduced for smooth functioning of the University administration.

Problems Encountered and Resources Required:

- Allotment of insufficient and untimely maintenance grant from the state government.
- Over a period of time, accumulated deficit has increased against which government has not sanctioned even ad-hoc grant to reduce the accumulated deficit.
- Non-adjustment of funds received under planned and unplanned schemes despite of submission of report and utilization certificate in due courses.

VOLUME – I
PART – B

- **Evaluative Reports of the Departments**
- **Declaration by the Head of the Institution**
- **Compliance Certificate of Head of the Institute**

EVALUATIVE REPORTS OF THE DEPARTMENTS

PART-B
Evaluative Reports of the Departments
INDEX

1. DEPARTMENT OF BIOSCIENCES

1. Name of the Department**: Biosciences**

2. Year of the Establishment**: 1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes offered: **MSc in Botany, Biochemistry, Biotechnology, Industrial Biotechnology, Microbiology, Zoology; PhD in Botany, Biochemistry, Biotechnology, Microbiology, and Zoology.**

5. Interdisciplinary programmes and departments involved **MSc Bioinformatics (Department of Computer Science, Department of Biosciences, Department of Mathematics, Department of Statistics, CISST); MSc Industrial Biotechnology (Department of Biosciences, Faculty for Chemical Engineering based courses is invited as visiting faculty from GCET Engineering College, Vallabh Vidyanagar).**

6. Courses in collaboration with other universities, industries, foreign institutions, etc: **Nil**

7. Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments:

   MSc Bioinformatics and MSc in Biomedical Science and Technology currently being offered at CISST.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**03**	**01**	**08**
Associate Professor	**08**	**05**	**05**
Assistant Professor	**09**	**08**	**01**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Prof AVRLN Acharya	PhD	Professor and Head	Physiology	29	03
Prof Datta Madamwar	PhD	Professor	Bioremediation, Non-aqueous biocatalysis, Genomics, Cyano-bacterial biotechnology	37	11
Prof Kiran Kalia	PhD	Professor	Proteomic and Genomic bio-markers for diabetes and cancer	29	04
Prof K C Patel	PhD	Professor	Microbial enzymes, Bioremediation and Biopolymers	27	02
Prof TV Ramana Rao	PhD	Professor	Pre and Post-harvest biology and technology of fruits and vegetables	30	02
Prof JSS Mohan	PhD	Professor	Plant Biotechnology	30	05
Prof RB Subramanian	PhD	Professor	Molecular Biology	29	08
Prof VR Thakkar	PhD	Professor	Plant Biochemistry	18	07
Dr AS Reddy	PhD	Associate Professor	Plant Taxonomy, Biodiversity	25	02
Dr UB Trivedi	PhD	Associate Professor	Enzymes and Fermentation Technology	25	06
Dr Amita Shah	PhD	Associate Professor	Microbial enzyme technology	26	06
Dr H R Keharia	PhD	Associate Professor	Bioremediation, Microbial Ecology and Microbial enzymes	20	04
Dr Sujata Bhatt	PhD	Associate Professor	Aquaculture and Nutrition	20	03
Dr M Nataraj	PhD	Assistant Professor	Plant Tissue Culture	10	

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**

13. Percentage of classes taken by temporary faculty-programme-wise information:

MSc Botany : **6.25%**

MSc Zoology : **6.25%**

MSc Microbiology : **6.25%**

MSc Biotechnology : **6.25%**

MSc Industrial Biotechnology : **18.75%**

MSc Biochemistry : **6.25%**

14. Programme-wise Student Teacher Ratio **(256 students /14 Teachers) = 18:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	**Filled**	**Actual**
Technical	**12**	**07**	**06+01 (contractual)**
Administration	**08**	**06**	**06+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies: **Bio-resource Technology, Environmental Biotechnology.**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Faculty members with ongoing projects from

(a) National funding agencies: 05

(b) International funding agencies: NIL

(c) Total grants received: ₹3,90,60,968

Name of the Principal Investigator/Co-investigator	**Title**	**Funding Agency**	**Amount of Research Grant sanctioned with Letter No. & Date**
Prof Datta Madamwar	**Molecular assessment of bacterial community structures of long term oil contaminated soil and screening of lipase producers for lipase production and their application in ester synthesis in organic solvents**	**UGC, New Delhi**	**₹13,80,000** **42-167/2013(SR)** **22nd Mar, 2013** **Duration : 3 Years**

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount of Research Grant sanctioned with Letter No. & Date
Prof Datta Madamwar Coordinator / Dr RB Subramanian & Dr Hareshkumar Keharia	Molecular and 'omics' technologies to gauge microbial communities and bioremediation of xenobiotic contaminated sites.	DBT New Delhi	₹3,36,57,000 No. BT/1/CEIB/09/V/05 3rd Sep, 2011 Duration: 6 Years
Prof Datta Madamwar	Folding and stability of naturally truncated photosynthetic pigment C-phycoerythrin from cyanobacteria Phormidium tenue	DST New Delhi	₹3,60,000 SR/SO/BB-0124/2010/B 13th Aug 2012 Duration: 3 Years
Dr RB Subramanian	Phenotyping and molecular screening of Tomato germplasm for resistance to Tomato Yellow Leaf Curl Virus from agroclimatic regions of Gujarat	GSBTM	₹7,43,968 Duration: 3 Years
Dr Mrs Amita R Shah Co-investigator: Prof Datta Madamwar	An integrated approach for the development of microwave system for pretreatment of lignocellulosic biomass for cellulolytic enzyme and bioethanol production	DBT, New Delhi	₹23,70,000 Sanctioned letter No BT/PR7333/PBD/26/373/2012 26/05/2014 Duration: 3 Years
Prof RB Subramanian	An Investigation on the effect of Xcelora 50% FS and Standak Top 500 g/L FS in combination with Opera 18.3% SE on physiology and growth of maize (Zea Mays L.)	BASF	₹2,75,000 G/1-BASF/JSS/3601 Duration: 1 Year

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount of Research Grant sanctioned with Letter No. & Date
Prof JSS Mohan	Evaluating the BASF fungicide package of practices: Seed treatment and foliar spray in groundnut for physiological effects and yield	BASF	₹2,75,000 Duration : 1 year

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration:

Name of the Principal Investigator/ Co-investigator	Title of project	Funding Agency	Total amount of Research Grant received (₹)	Duration
Dr TV Ramana Rao Dr Anil Nandane of ADIT, New Vallabh Vidyanagar	Development and optimization of edible coating formulations to improve the postharvest quality and shelf-life of underutilized short lived fresh fruits by using RSM (In collaboration with Dr Anil Nandane, Dept. of Food Processing Technology, ADIT, New Vallabh Vidyanagar, Gujarat).	MOFPI - SERB, DST, New Delhi	17,12,800	2012-15
Prof Datta Madamwar in Collaboration with Dr Hemant Purohit NEERI, Nagpur.	Metagenome analysis for metabolic pathways present in activated biomass at common effluent treatment plant (CETP)	DBT, New Delhi	64,08,000	Jan 2010 to May 2013
Prof Datta Madamwar in Collaboration with Dr Venkata Mohan IICT, Hyderabad.	Application of periodic discontinuous batch operation to enhance treatment efficiency of dye containing waste-water	DBT New Delhi	49,96,546	Oct 2010 to Sep 2013

Name of the Principal Investigator/ Co-investigator	Title of project	Funding Agency	Total amount of Research Grant received (₹)	Duration
Prof Datta Madamwar in Collaboration with Dr Yogesh Shouche NCCS, Pune.	Molecular assessment of bacterial community structure of long term polluted sea coast near Alang ship breaking yard and exploitation of the bacterial wealth for PAH bioremediation	DST New Delhi	26,20,435	Sep 2010 to Aug 2013
Prof Datta Madamwar in Collaboration with Dr Imtiyaz Hasan JMI, New Delhi.	Folding and stability of naturally truncated photosynthetic pigment, C-phycoerythrin from cyanobacteria Phormidium tenue	DST New Delhi	2,83,871	Aug 2012 to Jul 2016

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sr. No.	Type of recognition	Funding agency	Amount of funds sanctioned with letter no. and date	Duration
1	UGC-SAP	UGC, New Delhi	47.5 Lakhs F4-8/2007/SAPII Dated 28/03/2007	2007-12
2	DST-FIST	DST, New Delhi	71.0 Lakhs 01/12/2009	2009-14
3	UGC-CAS	UGC, New Delhi	2.47 Crores F.3-11/2015/CAS-I/(CAS-II)	2015-20

20. Research facility/centre with State, National and International Recognition **Centre of Excellence in 'Environmental Biotechnology' under CEIB scheme of DBT, New Delhi.**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	40	11	29
2011-12	42	03	39
2012-13	41	01	40
2013-14	34	01	33
2014-15	76	01	75
Total	233	17	216

b) Monographs: **Nil**

c) Chapters in Books: **05**

d) Edited Books: **Nil**

e) Books with ISBN with details publishers: **Nil**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **257**

g) Citation Index – range/average: **27-681**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor-range/average Range: **0-6.279**

Average Impact Factor: **1.236**

k) h-index **3-33**; Average: **10**

23. Details of patents and income generated

Sr. No.	Name of Faculty member/s who have filed/or have been granted a patent	Title of patent	National/ International	Status Filed/ granted	File No./ patent grant no and date
1	Dr RB Subramanian	**PROCESS FOR PURIFYING L-ASPARAGINASE FROM *ASPARAGUS OFFICINALE***	**National**	**Filed**	**592/DEL/ 2009**
2	Dr KC Patel	**Process for the production of a yellow antioxidant pigment from the fungus Colletotrichum**	**National**	**Filed**	**3267/DEL/2014**

Sr. No.	Name of Faculty member/s who have filed/or have been granted a patent	Title of patent	National/ International	Status Filed/ granted	File No./ patent grant no and date
3	Shah Amita R along with (Narra Madhuri, Dixit Garima, Balasubramaniam Velmurugan from SPRERI, Vallabh Vidyanagar)	Enzymatic hydrolysis of biomass	National	Filed on 20 Feb 2015	573/MUM/2015

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/institutions/ industries in India and abroad.

Sr. No.	Name of faculty member and designation	Type of leave availed	Purpose of leave and institution visited	Duration of leave
1.	Dr Haresh R Keharia	Sabbatical	Biophysics department, Indian Institute of Science, Bangalore	Six months (13th Feb, 2013- 15th Aug, 2013)

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify)

(A) Faculty serving as members of steering committees of international conferences recognized by reputed organizations / societies

Sr. No.	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Year
1	Prof Datta Madamwar	Advisory Committee Member	International Conference on Industrial Biotechnology at Patiala, India	Biotech Research Society of India (BRSI)	2012

Sr. No.	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Year
2	Prof Datta Madamwar	Advisory Committee Member	International Conference on 'Advances in Biotechnology & Bioinformatics at Pune, India	BRSI	2013
3	Prof Datta Madamwar	Advisory Committee Member	International Conference on Emerging Trends in Biotechnology (ICETB-2014) at Delhi, India	BRSI	2014
4	Prof Datta Madamwar	Advisory Committee Member	Third Global Sustainable Biotech Congress at Jalgaon, India	Global Biotech forum	2014
5	Prof Datta Madamwar	Advisory Committee Member	International Conference on New Horizons in Biotechnology at Trivandrum, Kerala, india	BRSI	2015
6	Prof Datta Madamwar	Advisory Committee Member	International Conference on Recent Trends in Applied Sciences: Building the Institutional and Industrial Avenues (ICRTAS-2015)	Charotar Education Society, Anand	2015

Editorial Boards

Sr. No.	Name of the faculty	Name of Journal	National/ International	Whether Chief Editor (Y/N)	Publisher
1	Prof Datta Madamwar	Bioresource Technology	International	Editorial Board Member	Elsevier

Sr. No.	Name of the faculty	Name of Journal	National/ International	Whether Chief Editor (Y/N)	Publisher
2	Prof Datta Madamwar	Current Biotechnology	International	Editorial Board Member	Bentham
3	Prof Datta Madamwar	Special Issue BIOCATALYSIS of Bioresource Technology	International	Guest Editor	Elsevier
4	Prof Vasudev R Thakkar	African Journal of Biochemistry	International	Editorial Board Member	Academic Journals

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refere Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects:

Year	Number of students who opted for dissertation	% of students who opted for dissertation
2010-11	64	50
2011-12	72	57
2012-13	51	53
2013-14	52	55
2014-15	51	52

- percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by Faculty:

(a) **Award**

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
1	Prof Datta Madamwar	Best Scientist	2012	Research	Association of Biotechnology and Pharmacy	International
2	Kiran Kalia	8th International "Sardar Patel Award	2013	Women empowerment	Sardar Vallabhbhai Patel Foundation	National

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
3	TV Ramana Rao	CK Shah award	2007 & 2013	Research promotion	Sardar Patel University	National

(b) Recognition Received

Sr. No.	Name of Faculty member	Title/Type of recognition conferred	Year in which recognition was conferred	Recognition conferring body	National /International
1	Prof Datta Madamwar	Fellow	2012	Association of Biotechnology and Pharmacy (FABAP)	National
2	Prof Datta Madamwar	Fellow	1998	Gujarat Science Academy	National
3	Prof Datta Madamwar	Fellow	2004	Biotech Research Society of India (BRSI)	National
4	Prof Datta Madamwar	Fellow	2010	Association of Microbiologists of India	National

(c) Doctoral / post doctoral fellows:

Sr. No.	Name of Student	Title of Award	Year of Award	Name of Awarding body
1	Miss Vrutika Patel	Best poster presentation	2015	National Conference on "Latest Development in Basic and Applied Sciences"
2	Ms Jenny Johnson	Best oral presentation	2015	International conference on Recent trends in Applied sciences: Building institutional and industrial avenues
3	Miss Vrutika Patel	Best oral presentation	2015	International conference on Recent trends in Applied sciences: Building institutional and industrial avenues
4	Mr Ravi Sonani	Best poster presentation	2014	International Congress – Third Sustainable Global Biotech Congress (GSBC, 2014)
5	Miss Vrutika Patel	Best poster presentation	2014	National symposium on 'Microbial Biotechnology: Advances and Future trends'

Sr. No.	Name of Student	Title of Award	Year of Award	Name of Awarding body
6	Dr Rajesh Rastogi	Best poster presentation	2014	National symposium on 'Microbial Biotechnology: Advances and Future trends'
7	Miss Vrutika Patel	Best poster presentation	2014	National symposium on "Microbial biotechnology: Advances and future trends-2014"
8	Miss Vrutika Patel	Best poster presentation	2014	International Conference on "Biotechnology and Bioengineering" (ICBB)

(d) Students: Nil

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Year	National/ International	Name of Seminar/ Conference/Workshop	Source of Funding	Amt. of Fund (in ₹)	Participant Details
2010-11	National	Trends in Biological Sciences	UGC	1,50,000	300

31. Code of ethics for research followed by the departments : **The department has a functional committee for the purpose of control and supervision of experiments on animals (Registration No. 337). This committee meets whenever any faculty member proposes to conduct animal experiments to approve them following the guidelines of CPCSEA. The animal house is maintained as well as the experimental material is done as per the guidelines laid down by CPCSEA.**

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass Percentage
		Male	Female	
2010-11				
MSc Microbiology	187	08	35	
MSc Zoology	21	02	06	
MSc Biochemistry	71	04	20	
MSc Botany	10	03	06	
MSc Biotechnology	220	11	25	
MSc Industrial Biotechnology	12	01	05	
2011-12				
MSc Microbiology	160	06	28	
MSc Zoology	40	06	09	
MSc Biochemistry	55	11	16	

Name of the Programme	Applications received	Selected		Pass Percentage
MSc Botany	21	08	11	
MSc Biotechnology	173	08	16	
MSc Industrial Biotechnology	21	02	04	100%
2012-13				
MSc Microbiology	57	04	24	
MSc Zoology	34	05	10	
MSc Biochemistry	00	07	08	
MSc Botany	24	02	13	
MSc Biotechnology	55	08	07	
MSc Industrial Biotechnology	09	03	04	
2013-14				
MSc Microbiology	97	03	22	
MSc Zoology	38	09	09	
MSc Biochemistry	23	01	16	
MSc Botany	530	15	10	
MSc Biotechnology	42	10	10	
MSc Industrial Biotechnology	434	04	04	
2014-15				
MSc Microbiology	134	06	26	
MSc Zoology	50	06	13	
MSc Biochemistry	56	05	17	
MSc Botany	51	04	18	
MSc Biotechnology	26		07	
MSc Industrial Biotechnology		01	04	

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
MSc (Biochemistry, Biotechnology, Botany, Microbiology, Zoology)	70	10	20	-
MSc (Industrial Biotechnology)	NIL	04	96	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sr. No.	Name of Examination	Year				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	NET	03	03	03	02	-
2	GPSC	-	-	-	02	-
3	GATE	-	01	10	-	01
4	SLET	-	-	02	02	-

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	-
PG to PhD	5

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	21
from universities from other States	29
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

   a) Library

   The departmental library has 2,500 books and 10 Journals are subscribed every year. The library uses Soul 2.0 software and maintains the records of all the books and issues of journals. Moreover, the software is also used to check the availability of a specific book for the purpose of issue.

Year	Number of Books/Journals	Amount (in ₹)
2010-11	188/0	5,79,077
2011-12	150/7	5,66,758
2012-13	17/0	4,00,000
2013-14	01/0	7,453
2014-15	66	1,66,917

   b) Internet facilities for staff and students: **All faculty members, research scholars are given access to Internet through LAN as well as Wi-Fi MSc**

Students who opt for Dissertation are given access to Internet during the duration of Dissertation work.

c) Total number of class rooms: **07**

d) Class rooms with ICT facility: **07**

e) Students' laboratories: **There are separate laboratories for students of each stream and the laboratories are equipped with basic infrastructure and equipments needed for performing experiments as per their curriculum.**

f) Research laboratories: **Faculty members are provided research laboratories, which are maintained by faculty members utilizing funds from their research projects. The department supports by providing small equipments and routine consumables to all research scholars. In general research laboratories in the department have sufficient infrastructure to justify the needs of Ph. D. students. In addition department has a central instruments facility equipped with sophisticated analytical instruments as well as microscopy facility, which are extensively used by Ph. D. students during office hours.**

39. List of doctoral, post-doctoral students and Research Associates:

   a) from the host institution/university

   Doctoral students

   2010-11

   1. **Mr Sandeep G Chovatiya, Supervisor: Dr Sujata Bhatt**

   2011-12

   2. **Mr Durgesh Nandini, Supervisor: Dr JSS Mohan**
   3. **Ms Yachana Jha, Supervisor: Prof R B Subramanian**
   4. **Ms Khyati Pathak, Supervisor: Dr Haresh Keharia**
   5. **Ms B Kavita, Supervisor: Dr Haresh Keharia**
   6. **Ms Digantkumar G. Chapla, Supervisor: Mrs Amita R Shah**
   7. **Mr Hitesh Patel, Supervisor: Prof Kiran Kalia**
   8. **Mr Hardik Bhatty, Supervisor: Dr U B Trivedi**
   9. **Mr Varun Shah, Supervisor: Prof Datta Madamwar**
   10. **Ms Asha Parmar, Supervisor: Prof Datta Madamwar**
   11. **Pramod Sivan, Supervisor: Dr KS Rao**

   2012-13

   12. **Dhiraj V Chavada, Supervisor: Dr Sujata Bhatt**
   13. **Ms Rupal A Vasant, Supervisor : Dr AVRL Narasimh Acharya**
   14. **Purvesh B Bharvad, Supervisor : Prof JSS Mohan**
   15. **Ms Anjali K Sharma, Supervisor : Dr AS Reddy**
   16. **Sandip Patel, Supervisor : Dr AS Reddy**
   17. **Sandesh Mohan, Supervisor : Prof Kiran Kalia**
   18. **Harsurbhai M Jajda, Supervisor : Dr VR Thakkar**
   19. **Niraj Kumar Singh, Supervisor : Prof Datta Madamwar**

   2013-14

   20. **Ms Pinaki B. Patel, Supervisor : Dr VR Thakkar**

21. Mr Amit N. Thakkar, Supervisor : Dr VR Thakkar
22. Shivani Patel, Supervisor : Dr VR Thakkar
23. Ms Tripti Raghavendra, Supervisor : Prof Datta Madamwar
24. Ms Vilas Patel, Supervisor : Prof Datta Madamwar
25. Mr Bhaumik Dave, Supervisor : Dr RB Subramanian
26. Mrs Sunitha Mary, Supervisor : Dr RB Subramanian
27. Shivani Patel, Supervisor : Dr RB Subramanian
28. Mr Umang Bharucha, Supervisor : Dr UB Trivedi
29. Anjali Bose, Supervisor : Dr Haresh Keharia
30. Vinay Patel, Supervisor : Dr KS Rao
31. Neeta B Gol, Supervisor : Dr TV Raman Rao
32. Madhuri Narra, Supervisor : Dr Amita Shah
33. Rita Mahapatra, Supervisor : Dr JSS Mohan
34. Dhananjay Patel, Supervisor : Dr JSS Mohan
35. Vaghela Jigisha, Supervisor : Dr AS Reddy
36. Prajapati Sujit R, Supervisor : Dr AS Reddy

2014-15

37. Mafatlal Kher, Supervisor : Dr M Nataraj
38. Ali Ahmed Ben Ahmed, Supervisor : Dr JSS Mohan
39. Naynika Patel, Supervisor : Dr JSS Mohan
40. Sarasvati M Sukhanandi, Supervisor : Dr Sujata Subhash Bhatt
41. Vimal Prajapati, Supervisor : Prof KC Patel
42. Ankit P Sudhir, Supervisor : Dr RB Subramanian
43. Sanjay S Karn, Supervisor : Dr AVRL Narasimhacharya
44. Shayam D Khandedia
45. Ms Sananda Chattaraj, Supervisor : Prof Datta Madamwar

b) from other institutions/universities

1. **Dr Chetan C Oturkar, UGC Dr DS Kothari Fellowship, Title of the topic: Molecular cloning, over expression and activity study of azoreductase from alkaliphilic bacterial strain. Year of Joining: 2011. Year of Completion: 2013. Stipend: ₹36,000. Supervisor: Prof Datta Madamwar**
2. **Dr Dhaval Vyas, UGC Dr DS Kothari Fellowship, Title of the topic: Plant systematic. Year of Joining: 2012. Year of Completion: 2014. Stipend: ₹35,000/-. Supervisor: Dr AS Reddy.**
3. **Dr Rajesh Rastogi, UGC Dr DS Kothari Fellowship, Title of the topic: Cyan bacterial Biotechnology. Year of Joining: 2014. Year of Completion: NA. Stipend: ₹46,000, Supervisor: Prof Datta Madamwar.**

Please do refer Volume-II and URL :
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

Sardar Patel University, Vallabh Vidyanagar, Gujarat

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	04	08	12
2011-12	04	02	10
2012-13	06	05	25
2013-14	07	10	12
2014-15	06	29	21
Total	27	54	80

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	Ms Pushpabahen Laxanbhai Damor	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms Johnna Farancis Varghese		
3	2012-13	Ms Anita Kumari Ramanbhai		
4	2013-14	Mr Krupal Kanubhai Patel		
5	2014-15	Miss KhyatiBipinkumar Bhatt		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Not Applicable**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback? Yes , It is discussed in staffing at the end of Semester start of next term and corrective measure are implemented.

   Orally at the end of Semester

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   Student feedback through standard proforma prepared by university is taken regularly. Based on the feedback the corrective measures are taken by the faculty to improve the quality education. This feedback is analysed and solutions are sought through meetings held with the student council as well as with the other faculty members

   c) alumni and employers on the programmes offered and how does the department utilize the feedback? **No**

43. List the distinguished alumni of the department (maximum 10)

   - **Prof Appa Rao Podile, Vice Chancellor, University of Hyderabad.**
   - **Dr J R Bhatt, Director, MoEF, Government of India.**
   - **Dr Mohandas Nair, Retired Director, TBGRI, Trivandrum.**

- **Dr Anami Patel, Director at Le Bonheur Children's Medical Center, Memphis, Tennessee.**
- **Dr Hemant Vaidya, Vice President, Molecular and Microbiology Research and Development for Siemens Healthcare Diagnostics located in Sacramento, California.**
- **Dr Taslimarif Saiyed, Director and COO, Centre for Cellular and Molecular Platforms, NCBS-TIFR, Bangalore.**
- **Shri Mohammad Ibrahim, Chief Conservator of Forest, Andhra Pradesh, Govt of India.**
- **Dr Nehal Thakor, 'Campus Alberta Innovation Programme' Chair of Synthetic Biology and RNA based systems, University of Lethbridge, Canada.**
- **Dr Aparna Kasinath, Head, Syngene International Limited, Bangalore.**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered
1	**Dr Absar Ahmad, Principal Scientist, National Chemical Laboratory**	**07/10/2011**	**Biotechnology of endophytic fungi: Inorganic nanomaterials and drug**
2	**Dr Harish Kumar M, Department Of Physiology, Miyazaki Medical College, Japan**	**01/12/2011** **02/12/2011**	**Spirulina, phytocyanin and biotherapies** **Artificial skin and wound healing**
3	**Dr Nehal Thakor, Post-Doctoral Fellow, Department Of Medical Microbiology And Immunology, University Of Alberta, Canada**	**13/12/2011**	**Translation control in eukaryotes.** **IRES mediated translation can operate in stress condition**
4	**Dr TR Sharma, Principal Scientist (Biotechnology), National Research Centre for Plant Biotechnology, IARI, New Delhi**	**7/1/2012**	**Rice Genomics**
5	**Prof Kavi Kishore, University of Hyderabad, Hyderabad.**	**20/1/2012**	**Engineering of lignin biosynthesis in woody plants**
6	**Prof Daginawala, Nagpur**	**25/1/2012**	**Epigenetics**
7	**Dr Hemant Purohit, Scientist, NEERI, Nagpur**	**25/1/2012**	**Salt stress in bacteria**
8	**Dr Yogesh Souche, Scientist, NCCS, Pune**	**23/2/2012**	**Who does what in Lonar lake?**
9	**Prof Y S Yadav, Shivaji University, Maharastra**	**28/2/2012**	**Biodiversity conservation in Western Ghats**
10	**Dr Prashant Chauhan, Millipore**	**2012**	**Flow cytometer and ELISA multiplexing bead array system**

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered
11	Dr Amit Thakar, Senior Scientist, Department Of Neuroscience, University Of Wyoming, USA	03/07/2013	Osmoregulation induced changes in chromatin structure and dynamics
12	Dr Darshan Pathak, Yale University, USA	06/08/2013	Self, non-self-recognition and social interaction in myxobacterial biofilms
13	Prof Deepti Deobagkar, Director, Bioinformatics Center, University Of Pune, Pune	16/08/2013	Epigenetics, stress and adaptation
14	Prof Ashok Pandey NIIST, Trivendrum	21/08/2013	Non-conventional solid wastes as potential feedstocks for the production of bioethanol
15	Dr Prashant Bhatt Sun Agritech, Baroda	1/10/ 2013	Entrepreneurship in Biological Sciences
16	Dr Yogesh Scouche, Scientist G, National Center For Cell Science, Pune.	22/10/2013	Metagenomics
17	Dr Harish C. Joshi, Drug Discovery And Therapeutics-Winship Cancer Center, Faculty Of Cell Biology, Emory University, Atlanta, USA	13/12/2013	Discovery of noscapine as tubulin binding anti-cancer drug
18	Dr Gururaja Rao, Principal Scientist And Head, Central Soil Salinity Research Institute, Bharuch	23/12/2013	Agricultural salinity management : technological interventions
19	Prof B N Johri, Emeritus Professor, Dept. Of Biotechnology, And Bioinformatics, Barkatullha University, Bhopal	11/01/2014	Biofuels
20	Prof Ramesh M Ray, The University Of Tennessee, USA	8/02/ 2014	Amino acids regulate growth via antizyme
21	Prof K N Joshipura, Advisor, C. C. Patel Community Science Centre, SPU	28/02/2014	National Science Day-Contributions of Indian Nobel Laureates in Science
22	Prof Rup Lal, Department Of Zoology, University Of Delhi	11/10/2014	Metagenomics
23	Prof DN Rao, Dept. Of Biochem. AIIMS, New Delhi	27/03/2015	Immunodiagnosis
24	Prof Appa Rao Podile, University Of Hyderabad	17/07/2015	Non-host resistance in plants Plants and microbes: receptors and ligands

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered
25	**Prof T P Singh, AIIMS, New Delhi**	**17/09/2015**	**3-D structure of proteins**
26	**Prof Hari Misra, BARC, Mumbai**	**19/09/2015**	**Are proteins working in isolation?**

45. List the teaching methods adopted by the faculty for different programmes.

Teaching methods are contemporary and student friendly. Lectures are designed using power point presentations. Adequate computer facility and Wi-Fi network are made available. Important notices are circulated through e-mails and social networking. Some unique methods developed by faculty members considering to the need of specific subject are highlighted below:

MSc Botany Programme

- **Plant taxonomy is a practicing subject and it is often said that much is to be studied in the field rather than in closed classrooms and laboratories. Keeping this in mind, a new practice has been initiated to make the identification more interesting and effective. Students are asked in advance to bring plant specimens for regular practical classes from the field. Each student was supposed to bring a couple of specimens from the field (either from their village, University/Department campus, any wild habitat, farm lands, orchards etc.). This resulted in making students acquainted with field observations and recognizing local flora. Such specimens were studied group wise in the laboratory and each group demonstrates the identified distinguishing characters. Later each student is encouraged to practice individually for attaining perfection. The software has been developed for easy identification of local and regional flora. In the examination too an innovative practice is being followed. Students are provided with a set of few important characters. (Adequate care was taken to ensure that specimens matching with such characters are located in the nearby area.) They were asked to go to the field and supposed to collect a specimen with the matching characters in stipulated time and later they should proceed for further answering such as elaborated technical description, botanical identity to the family/species level etc. During this course of innovative practice, students felt more enthusiastic.**

MSc Zoology Programme

- **In MSc Zoology Fourth semester students visit Fish Breeding Center (Lingda, Anand dist.) to study Induced breeding technique and to study Fish Farm management. Every year during June-July these trips are arranged.**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

- **The department organizes the orientation programme for newly admitted students on the first day before commencement of classes. Students admitted to all the programmes are asked to gather in**

conference room and Head with all faculty members as well as non-teaching staff welcomes the students to the department. Students are introduced to all the teachers as well as non-teaching staff and given information about academic schedule, students' extra-curricular activities under auspices of SPUBS, examination system, seminars, infrastructure available in department, etc.

- **Student learning outcomes are monitored by regular evaluation in form of quizzes, seminars, internal tests. Regularity of Students is monitored in all theory and practical sessions by faculty members and records are maintained in form of attendance sheets.**
- **All the subject teachers provide academic/personal guidance as and when required. Semester wise lab in-charges also work as advisor/mentor for students.**

47. Highlight the participation of students and faculty in extension activities.

- **Department give opportunities for nurturing creativity and scientific temper through the activities of SPUBS (Sardar Patel University Biological Society) like Poster competition, Debate, Science day celebration, quizzes etc.**
- **Research scholars work as volunteers in activities of University's community science centre.**
- **Faculty members work as resource persons and or volunteers in activities of University's community science centre.**

48. Give details of "beyond syllabus scholarly activities" of the department.

- **MSc students regularly present research papers selected from reputed journals. This helps them to understand recent developments in that area of Science. Students are encouraged to take part in debates and quizzes organized by other institutions.**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **No**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has been actively contributing towards generation of new knowledge which is evident from the publication as well as patent profile of the department. The most significant contributions are:

- **Development of e-phytoresource database.**
- **Development of purification protocols for therapeutic enzyme L-Asparaginase and its modification for enhancing its efficiency.**
- **Development of a novel antioxidant pigment from the fungus *Collectrichum* spp.**
- **Saccharification of cellulosic biomass to be used as a substrate for bioethanol production.**
- **Development of chromatography based analytical protocols for detection and quantification of plant growth hormones and secondary metabolites.**
- **Development of technology for enhancing post-harvest shelf life of fruits and vegetables.**

- **Development of novel methods for non-aqueous catalysis based synthesis of commercially important esters.**
- **Development of protocols for environmental DNA isolation and information on microbial diversity of polluted site in Ankleshwar, Gujarat by metagenomics approach.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Being an integrated department of Biosciences under one roof is one of the strengths of the department. This facilitates better interaction and exchange of knowledge and ideas between the faculty as well as students.   **A strong aptitude for research among the faculty.**   **Recognition from National Funding Agencies, Such as UGC, DBT and DST.**   **Collaborations and linkages with many National level Institutes and Universities.**   **Communicating science and offering expert advice to stake holders in society (Schools, Academic Institutions, NGOs, Research Institutions, Forest Departments and Community Science Centres).**

Weaknesses
Decreasing Faculty strength with number of faculty members retiring.   **Average faculty age is above 50 yrs. The blending of young and experienced is missing.**   **Unavailability of laboratory assistants making it difficult to maintain MSc Laboratories and cater to students in a best possible manner.**   **Due to non availability of sufficient support and technical staff administration including purchase and maintenance at department level is partly shared by faculty members.**

Opportunities
Development of novel technologies.   **From the existing courses, synthesis of new inter-disciplinary courses at PG level.**   **Amalgamation of academic courses with industry.**   **Strengthening CBCS programme to its true essence giving maximum choices.**   **Interdisciplinary collaborations within University departments for teaching and research.**

Challenges
To overcome the increasing burden of administrative duties and excel in both teaching and research is a challenge because the retiring administrative staff is not being replaced, due to non clearance from Government.   **Maintenance of state of art infrastructure and keeping pace with contemporary developments in science globally with diminishing faculty and administrative support.**

- **To be able to manage the existing MSc programmes in the coming years will be another challenge since the faculty strength will reduce rapidly in next four years.**
- **Training and motivating students for national level competitive examinations**
- **Organizing programmes like workshops, short term courses, and winter/summer schools. Vacation programmes on regular basis.**
- **Getting extramural research funds and executing research projects effectively.**

52. Future plans of the department.

- **Strengthening and enrichment of existing MSc Programmes.**
- **Creating a centre of excellent of research in the allied discipline of Biosciences.**

2. DEPARTMENT OF CHEMISTRY

1. Name of the Department: **Chemistry**

2. Year of the Establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes offered: **MSc with specializations in Inorganic Chemistry, Organic Chemistry, Analytical Chemistry, Physical Chemistry, Industrial Polymer Chemistry and PhD.**

5. Interdisciplinary programmes and departments involved: **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

7. Details of programmes discontinued, if any, with reasons: **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions**

9. Participation of the department in the courses offered by other departments**: Involved in academic programs of CISST.**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others):

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**05**	**-**	**06**
Associate Professor	**11**	**05**	**01**
Assistant Professor	**14**	**07**	**05**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr DI Brahmbhatt	MSc, PhD	Professor	Organic Chemistry	35	08
Dr NV Sastry	MSc, PhD	Professor	Physical/Polymer Chemistry	30	05
Dr DK Raval	MSc, PhD	Professor	Organic/Polymer Chemistry	27	11
Dr MN Patel	MSc, PhD	Professor	Inorganic Chemistry	27	07
Dr MP Patel	MSc, PhD	Professor	Organic/Analytical Chemistry	20	06
Dr NJ Parmar	MSc, PhD	Professor	Organic Chemistry	20	05
Dr HM Patel	MSc, PhD	Associate Professor	Organic Chemistry	19	-
Dr KH Patel	MSc, PhD	Assistant Professor	Physical Chemistry	32	04
Dr JH Trivedi	MSc, PhD	Assistant Professor	Polymer Chemistry	05	01
Dr SS Soni	MSc, PhD	Assistant Professor	Physical Chemistry	09	03
Dr KR Surati	MSc, PhD	Assistant Professor	Analytical Chemistry	08	-
Dr NP Chiklaliya	MSc, PhD	Assistant Professor	Polymer Chemistry	04	-

12. List of senior Visiting Fellows, adjunct faculty,emeritus professors

- **Prof Raj Pal Sharma, Department of Chemistry, Punjab University, Chandigarh- 160 014.**
- **Prof Venugopalan, Department of Chemistry, Punjab University, Chandigarh- 160 014.**
- **Dr PH Parsania, Professor & Head, Department of Chemistry, Sauvrashtra University, Rajkot.**
- **Ravi Ranjan Panday, National Physical Laboratory, Dr KS Krishanan Road, New Delhi.**
- **Dr UH Pandya, Deputy Manager, Exel Group Care Ltd., Bhavnagar.**
- **Prof Dr R Shirsat, Department of Chemistry, University of Goa, Goa.**
- **Prof Dr SP Gejji, Department of Chemistry, University of Pune, Pune.**
- **Prof Dr A Venkatraman, Department of Chemistry, Gulbarga University, Gulbarga.**
- **Prof Dr S Ramshesha, Solid State Structural Unit, Indian Institute of Science, Banglore.**

- **Prof Dr Sunita Kumbhat, Department of Chemistry, Jai Narayan Vyas University, Jodhpur.**
- **Dr Parimal Paul, CSIR-Central Salt & Marine Chemicals Research Institute, Bhavnagar.**
- **Dr Pradip Deota, Head, Department of Applied Chemistry, M S University, Vadodara.**
- **Prof Mangala Sunder Krishnan, Department of Chemistry, IIM, Chennai.**
- **Prof Sudhir N Limaye, Department of Chemistry, Dr Harisimgh Gour University, Sagar (MP).**
- **Dr Rajendra Shirsat Goa University, Goa.**
- **Dr Narahari Sastry, CSIR – IICT Hyderabad.**
- **Dr Nisanth N Nair, IITK , Kanpur.**
- **Dr Sudhir Kulkarni, Vlife Technologies, Pune.**
- **Dr RB Sunoj, IITB, Mumba.**
- **Dr MS Gopinatha IISER, Thiruvananthapuram.**
- **Dr Dilip K Maity, BARC, Mumbai.**
- **Dr C H Suresh, CSIR – NIIST, Thiruvananthapuram.**
- **Dr Biswajit Ganguly, CSIR – CSMCRI. Bhavnagar.**
- **Prof Dr P Venkatesu, University of Delhi, New Delhi.**
- **Dr Gunjan Verma, Bhabha Atomic Research Centre Trombay, Mumbai.**
- **Dr Afshan Sayed, Sr. Application Specialist - Material characterization, Perkin Elmer India Pvt. Ltd.**
- **Dr Arvind Kumar, CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar.**
- **Prof Dr Pragnesh N Dave, K S K V Kachchh University, Bhuj Gujarat.**
- **Prof Dr Alka Sharma, University of Rajasthan, Jaipur.**
- **Prof Dr Kesharsingh J. Patil, North Maharashtra University, Jalgaon.**
- **Prof Dr Bijay K Mishra, Sambalpur University Jyoti Vihar, Sambalpur.**
- **Prof Dr Fateh S Nandel, Punjab University, Chandigarh, Punjab.**
- **Prof Dr Anjali U Patel, Department of Chemistry, MS University of Baroda, Vadodara.**
- **Prof Dr Nishit C Desai, Department of Chemistry, MK Bhavnagar University, Bhavnagar.**
- **Prof Dr P Bahadur, Department of Chemistry, Veer Narmad South Gujarat University, Surat.**
- **Prof Dr PN Dave, Department of Chemistry, KSKV Kuchchh University, Bhuj.**
- **Prof Dr Mrs Padmaja Sudhakar Pamidimukkala, Department of Chemistry M S University of Baroda, Vadodara.**
- **Prof Dr Rajpal Sharma, Department of Chemistry, Punjab University, Chandigarh.**
- **Prof Dr KC Patel, Department of Chemistry, Veer Narmad South Gujarat University, Surat.**
- **Prof Dr N Sekar, Department of Dyestuff and Technology, Institute of Chemical Technology Mumbai.**

- **Prof Dr I N N Namboothiri, Department of Chemistry, Indian Institute of Technology Bombay, Powai , Mumbai.**
- **Prof Dr Alka Sharma, Department of Chemistry, University of Rajasthan, Jaipur.**
- **Prof Dr AK Singh, Department of Chemistry, Indian Institute of Technology Bombay, Powai, Mumbai.**
- **Prof Dr Fateh Singh Nandel, Department of Biophysics, Punjab University, Chandigarh.**

13. Percentage of classes taken by temporary faculty – programme-wise information: **Nil**

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
MSc	**2010-11**	**101:15**
	2011-12	**151:13**
	2012-13	**85: 13**
	2013-14	**77:12**
	2014-15	**83:12**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	**Filled**	**Actual**
Technical	**15**	**08**	**07**
Administration	**15**	**13**	**08**

16. Research thrust areas as recognized by major funding agencies : **Synthesis of heterocyclic and bioactive molecules, Dye- sensitized solar cell, Metal Based drug synthesis, Amphiphilic Ionic Liquids, Development of catalysis and ionic liquids based reactions, Synthesis of polymers especially for Opto electronic materials, Drug delivery systems etc.**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
SS Soni	**Development of porous functionalized metal oxides and their application in metal ion removal**	**UGC, New Delhi**	**₹10,35,000 (Ref. No. F.41-295/2012(SR), dated 13/07/2012)**	**01/07/ 2012-30/06/ 2015**
KR Surati	**Highly efficient**	**DST(TSG),**	**₹ 25,92,555**	**2 Years**

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
PK Iyer	Phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs: Fabrication and its Application	New Delhi	DST/TSG/PT/194G dated 2/08/2013	

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration:

Name of other Department	National/ International	Project Name	Grant Received	Year Project Start
Dr V K Aswal Solid State Division, BARC, Mumbai	National	Studies on Aggregation Behavior of Pyridinium based Amphiphilic Ionic Liquids in Water and in Presence of Aggregate Growth Promoters (Dr N. V. Sastry, P. C.)	₹4,17,000	2011 – 14
Dr V K Aswal Solid State Division, BARC, Mumbai	National	Influence of Micellar Morphology on Conductivity of Polymer Gel Electrolytes (Dr S. S. Soni, P. C.)	₹5,92,000	2012 – 15
Dr P K Iyer Dept. of Chemistry, IIT-Guwahati, Assam	National	Highly Efficient Phosphorescent Iridium (III) and Zinc (II) Mixed Ligand Complexes for OLEDs: Fabrication and its Application	₹ 25,92,255	

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
Funds for Infrastructure Improvement in Science and Technology (FIST)	DST, New Delhi	₹42 Lakhs	01/4/2010 to 31/3/2015
Centre for Advanced Study	UGC, New Delhi	₹133.08 Lakhs	01/4/2011 to 31/3/2016

20. Research facility/centre with State, National and International Recognition:

    National Recognition: DST – FIST Department, UGC CAS-I Department, Centre of Potential for Excellence in Applied Polymer Science (2003-2008)

21. Special research laboratories sponsored by/created by industry or corporate bodies: **None**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	**21**	**0**	**21**
2011-12	**54**	**01**	**53**
2012-13	**77**	**03**	**74**
2013-14	**55**	**03**	**52**
2014-15	**51**	**0**	**51**
Total	**258**	**07**	**251**

    b) Monographs: **Nil**

    c) Chapters in Books: **Nil**

    d) Edited Books: **Nil**

    e) Books with ISBN with details publishers **Nil**

    f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

    g) Citation Index – range/average:- **0-146** Average Citation : **12** (Total Citations/total publications)

    h) SNIP: **Nil**

    i) SJR: **Nil**

    j) Impact Factor – range/average: **0.562 – 17.54** (Avg:- **2.74**)

k) h-index: **Range: 8 - 30**

Name of the Faculty	Citations	h-index	i10-index
Dr DI Brahmbhatt	262	09	09
Dr NV Sastry	2353	30	60
Dr DK Raval	425	13	16
Dr MP Patel	877	17	43
Dr NJ Parmar	182	09	07
Dr KH Patel	150	08	04
Dr SS Soni	677	12	18

23. Details of patents and income generated

Year	Details of Patent	Income Generated
2013 (Dr SS Soni)	Patent no: 2609/MUM/2013, Dated 7th Aug 2013, "Synthesis of alkyl substituted carbazole dyes and its application to dye solar cell."	Not applicable

24. Areas of consultancy and income generated

Year	Areas of consultancy/analytical services	Income Generated (in ₹)
2010-11	The department undertakes the analysis and consultancy work by determining the required properties of samples and interpretation of data	1,10,750
2011-12		2,15,500
2012-13		4,56,750
2013-14		3,90,900
2014-15		7,80,800

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

Name of Faculty	Year of Visit	International Visits
Dr DI Brahmbhatt	2011	University of debrecen Hungary again under UGC Educational Exchange programme
Dr NV Sastry	2010	Regenesburg University, Regensburg, Germany, Research work under DAAD Reinvitation Fellwship
	2014	W. F. James Chair Professor of Pure and Applied Science, St. Francis Xavier University, Antigonish, Nova Scotis, Canada

Dr SS Soni	**2014**	**Prof. Dr Alain gibaud, lpec, universite du maine, le mans, France**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/ International/ Editorial Board	Year of Joining
Dr DI Brahmbhatt	**Editorial Board Member in International Chemistry Journal of Current Microwave Chemistry and Current Organo- Catalysis.**	**International**	**2013**
Dr NV Sastry	**Member, Board Of Associate Editors(Physcial Chemistry Section), Indian Chemical Society, Kolkata**	**National**	**2011-2013**
	Member, Editorial Board, International Journal of Industrial Chemistry & Bio technology, Malyasia	**International**	**Ongoing**
	Member, Editorial Board, International Journal of Organic Synthesis and Medicinal Chemistry	**International**	**Ongoing**
	Member, Editorial Board, International Journal of Physical Sciences	**International**	**Ongoing**
Dr Kiran R Surati	**Invite member of the editorial advisor board in "The Open Catalysis Journal" Bentham Publisher (ISSN: 1876-214X).**	**International**	

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects**: Not Applicable**

    - percentage of students who have done in-house projects including inter-departmental projects
    - percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by

- **(a) Faculty**

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.	Years
Dr DI Brahmbhatt	Selected to visit Hungary for a period of one month under Indo-Hungarian Educational exchange Programme 2011-12 and visited University of Debrecen, Hungary during 15/09/2011 to 15/10/2011	2011-12
Dr NV Sastry	DAAD Re-invitation Fellowship for visiting Institute of Physical and Theoretical Chemistry, University of Regensburg, Regensburg, Germany (July – August 2010) as Visiting Scientist	2010
Dr MN Patel	Awarded UGC BSR "one time grant" of ₹7 Lakhs from UGC, New Delhi.	2014
Dr SS Soni	Received DST-FAST track Young Scientist Award with the Major Research Project worth ₹25,40,800.	2014
	Awarded with membership of American Chemical Society (ACS) for three years from July 2015	2015
Dr NJ Parmar	Received an India International Friendship society, New Delhi's SHIKSHA RATTAN Award	2011-12
	Received V best poster prize for presenting a paper in One day National seminar on New Dimensions in Chemical Sciences, held on 30/01/2010, at Department of Chemistry, Osmania University, Hyderabad	2011-12
	Received II best Poster Prize for presenting a research paper in National seminar on Research Trends in chemical Sciences and Future Prospects held during 11–12 Oct 2011 at Government VYT PG College, Durg (CG)	2011-12
Dr MP Patel	Received an India International Friendship society, New Delhi's SHIKSHA RATTAN Award	2011-12
	Received II best Poster Prize for presenting a research paper in a UGC sponsored National seminar organized by VP & RPTP SCIENCE collage on 8th-9th Jan. 2016	2015-16

(b) **Recoginitons Received: Following faculty members are elected as Fellows of Gujarat Science Academy (GSA)**

Sr . No.	Name of Fellow
1	Prof Dr NV Sastry
2	Prof DK Raval
3	Dr MP Patel
4	Prof Dr RM Patel (Rtd)
5	Prof Dr JD Joshi (Rtd)
6	Prof Dr HC Trivedi (Rtd)

(c) Doctoral / Post Doctoral fellows: Dr Bhavesh Bharatiya, Dr Kothari Post- Doctor Fellowship, 2014.

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments :

    Yes, the department strictly adheres to code of ethics for research that was formulated by the university from time to time.

32. Student profile programme-wise:

Name of the Programme	Year	Applications Received	Selected		Pass percentage	
			Male	**Female**	**Male**	**Female**
MSc	**2010-11**	**702**	**108**	**43**	**100%**	**100%**
	2011-12	**576**	**130**	**60**	**100%**	**100%**
	2012-13	**324**	**65**	**36**	**100%**	**100%**
	2013-14	**530**	**55**	**46**	**100%**	**100%**
	2014-15	**454**	**61**	**40**	**100%**	**100%**
PhD	**2010-11**	**67**	**02**	**-**	**100%**	**100%**
	2011-12	**35**	**06**	**02**	**100%**	**100%**
	2012-13	**24**	**15**	**04**	**100%**	**100%**
	2013-14	**60**	**09**	**03**	**100%**	**100%**
	2014-15	**43**	**08**	**03**	**100%**	**100%**

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students From universities outside the State	% of students from other countries
MSc	**83.2**	**10.9**	**5.9**	**-**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Sr. No.	Name of Students	Cleared NET-JRF/SLET	Passing Year
1	**Nirav H Sapariya**	**NET-JRF**	**2013**
2	**Rakesh R Giri**	**SLET**	**2013**
3	**Mr Umesh Tarpada**	**NET**	**2013**
4	**Mr Tushar Sutariya**	**SLET**	**2012**
5	**Mr Vishal Purohit**	**SLET**	**2012**
6	**Mr Pankaj Vekariya**	**SLET**	**2012**
7	**Mr Umesh Popat Tarpada**	**SLET**	**2010**

Sr. No.	Name of Students	Cleared GATE/NBHM	Passing Year
1	Mr Mayankkumar G Sharma	GATE	2015
2	Mr Vishal B Purohit	GATE	2015
3	Mr Nirav H Sapariya	GATE	2014
4	Mr Pankaj Vekariya	GATE	2013
5	Mr Vishal B Purohit	GATE	2013
6	Mr Pankaj Vekariya	GATE	2012
7	Mr Parag Karia	GATE	2012
8	Mr Umesh Popat Tarpada	GATE	2011

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	-
PG to PhD	10 (through PhD Entrance Test)
Campus Selection	80

For Campus selection List Please do refer Annexure 26: www.spuvvn.edu/iqac/rar16/annexures/ann-26.pdf

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	58
from other universities within the State	33
from universities from other States	9
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Not Applicable**

38. Present details of departmental infrastructural facilities with regard to

    a) Library: **Books : 8,000, Journals/Periodicals : 20**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	73/0	1,88,871
2011-12	10/0	3,155
2012-13	338/3	4,00,000
2013-14	61/5	2,05,062
2014-15	273/0	1,96,303

    b) Internet facilities for staff and students: **Yes, available for the staff and students**

    c) Total number of class rooms: **10**

    d) Class rooms with ICT facility: **03**

    e) Students' laboratories: **Yes**

    f) Research laboratories: **Yes**

39. List of doctoral, post-doctoral students and Research Associates :

a) **from the host institution/university**

Doctoral students

2011-12

1. **Parmar Pradhuman Amrutsinh, Supervisor: Dr MN Patel**
2. **Gandhi Deepenkumar Sureshbhai, Supervisor: Dr MN Patel**
3. **Promise Abhaykumar Dosi, Supervisor: Dr MN Patel**
4. **Pushpak M Shah, Supervisor: Dr MP Patel**
5. **P J Shah, Supervisor: Dr HS Patel**
6. **Apoorva A Patel, Supervisor: Dr DI Brahmbhatt**
7. **Nilesh R Vaghela, Supervisor: Dr NV Sastry**
8. **Amitkumar Thummar, Supervisor: Dr NV Sastry**

2012-13

9. **Mr Patel Chiragbhai V, Supervisor: Dr DI Brahmbhatt**
10. **Mr Bhila Varun G., Supervisor: Dr DI Brahmbhatt**
11. **Mrs Lad Hemali B., Supervisor: Dr DI Brahmbhatt**
12. **Visha P Modi, Supervisor: Dr HS Patel**
13. **Khyati D Patel, Supervisor: Dr HS Patel**
14. **Paresh N Patel, Supervisor: Dr HS Patel**
15. **Bhupesh Shantilal Bhatt, Supervisor: Dr MN Patel**
16. **Shashikant Bhikhubhai Teraiya, Supervisor: Dr NJ Parmar**
17. **Rikinkumar Ashvinkumar Patel, Supervisor: Dr NJ Parmar**

2013-14

18. **Bhavesh Rranchhodbhai Pansuriya, Supervisor: Dr NJ Parmar**
19. **Hitesh Ajabhai Barad, Supervisor: Dr NJ Parmar**
20. **Kinnari Bharatbhai Trivedi, Supervisor: Dr KH Patel**
21. **Kinnar R Pandya, Supervisor: Dr DI Brahmbhatt**
22. **Jigar Lalbhai Patel, Supervisor: Dr DI Brahmbhatt**
23. **Vaibhav K Patel, Supervisor: Dr DK Raval**
24. **Bhautik B Thummar, Supervisor: Dr DK Raval**
25. **Jemin R Avalani, Supervisor: Dr DK Raval**
26. **Umesh P Tarpada, Supervisor: Dr DK Raval**
27. **Devji S Patel, Supervisor: Dr DK Raval**
28. **Hardikkumar Nareshbhai Joshi, Supervisor: Dr MN Patel**
29. **Chintankumar Ramanbhai Patel, Supervisor: Dr MN Patel**
30. **Harshad G Kathrotiya, Supervisor: Dr MP Patel**
31. **Yatin N Patel, Supervisor: Dr MP Patel**
32. **Hardik H Jardosh, Supervisor: Dr MP Patel**
33. **Deepali A Kotadia, Supervisor: Dr SS Soni**

b) **from other institutions/universities**

Student Name	Year of Completion	Doctoral, Post-Doctoral and Research Ass.
Dr Bhavesh Bharatiya	**2014**	**Post – Doctoral**
Dr Ms AM Naji Abu-Tabikh	**2011**	**Doctoral**

Student Name	Year of Completion	Doctoral, Post-Doctoral and Research Ass.
Dr Mitesh K Prajapati	2014	Doctoral
Dr Y S Patel	2013	Doctoral

Please do refer Volume-II and URL :
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	04	01	21
2011-12	02	01	16
2012-13	03	04	14
2013-14	07	07	15
2014-15	08	14	31
Total	24	27	97

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Mr Sharadkumar Chaturbhai Karad	₹10,000	Kashiben and Gordhanbhai Patel Scholarship
3	2012-13	Ms Meha Jayantilal Prajapati		
4	2013-14	Ms Priyankaben Kanaksinh Rathva		
5	2014-15	Miss Rosy AlphonsSequeira		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Initially the feedback obtained from the alumni, employers is considered for commencement of a new programme. Then a series of discussions will be conducted by the faculty and board of studies for preparing the draft which will be again discussed with the employers requesting for their suggestions. It will be finally discussed in the board of studies and approved as per the university procedures.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

a) How does the department utilize the feedback?

Feedback is collected from the staff which is utilized to improve the course structure from time to time.

b) students on staff, curriculum and teaching-learning-evaluation and how does

the department utilize the feedback?

The feedback from the students is collected and properly analysed in order to promote better ways of improving the teaching-learning-evaluation system.

c) Alumni and employers on the programmes offered and how does the department utilize the feedback?

To improve the quality of the education provided by the department the feedback from the alumni and employers is utilized.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing	Any Other Remarks
Dr HC Trivedi	**Retired Professor**	**Counseling**	**1971**	**He was Vice Chancellor in Bhavnagar University, Bhavnagar, Gujarat and Head of Chemistry Dept. of Sardar Patel Univeristy VV Nagar**
Dr JS Parmar	**Retired Professor**	**Vice President**	**1973**	**He was HOD of S P Univ.**
Dr DJ Desai	**Retired Principal**	**Member**	**1976**	**He was principal V P & R P T P Science College**
Dr MC Patel	**Chairman of CHARUSET University, Changa**	**Counseling**	**1968**	**-**
Dr Mahesh G Patel	**owner of Champion paint industries**	**EC Member**	**1987**	**He is also Seven owner of 7/11 cloth stores and EC Member of CHARUSET University**
Dr Keyur Shah	**Owner of Vallabh dyes stuff Ltd. and other industries**	**Invited Member**	**1997**	**-**

Name of Alumni	Present Profession	Programme Offered	Year of Passing	Any Other Remarks
Mr Dinesh P Patel	**Regional and Technical Manager at Covestro Dubai**	**Member (Foreign affairs activity)**	**1995**	
Dr Atul A Vaghela	**Sr Tech Manager, (Testing) CIPET, Ahmedabad**	**Member**	**1992**	
Dr KD Patel	**MD of Schin Field Tech. , Ahmedabad**	**EC Member**	**1974**	
Dr Randhir J Parmar	**Senior Manager (Technology), Asian Paints Ltd. Bombay**	**Member**	**1994**	

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Please do refer Volume-II and URL :
http://www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

The faculty adopts methods like making Power point presentations, model demonstration (both 3D-computer based as well as working model) including experimental learning, and interactive discussions for better teaching.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Results committee discusses the outcomes of the department regularly and makes arrangement to conduct student counseling for the students who have back logs or any the doubts. In this way the students are regularly monitored through exams as well as through their participation in competitions, discussions, etc. These measures give a scope to judge the extent of objectives being fulfilled in designing this course.

47. Highlight the participation of students and faculty in extension activities.

- **Industrial tours for students were arranged to explore real time synthesis as well as analysis by using various analytical instruments.**
- **Faculty and students of the department have participated in the Swachta Abhiyan, once in two- three months.**

48. Give details of "beyond syllabus scholarly activities" of the department.

The department organizes Student Seminars, Industrial tours for better learning and it also encourages students to participate in symposia and conferences to gain exposure. Additionally, for poorly performing students regular remedial classes were arranged.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **NA**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Most of the faculty member in the department are working on Synthesis of Heterocyclic Compounds for Medicinal activity study, basic research on chemical kinetics, catalyst development, Inorganic complexes and their DNA studies, Ionic Liquids, Surfactants, smart materials solar cell, grafting on polymers etc.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Knowledgeable faculty,excellent curriculum, Quality research, Good no. of publications in National and International reputed journals**
Weaknesses
• **Vacant positions of faculty and supporting staff due to non clearance from Government.**
Opportunities
• **Campus placements are offered in best industries and Educational institutions. Good opportunities for students to get selected CSIR, NET, SET & GATE** • **Students can get employment in Govt. Organizations**
Challenges
• **To create the state of the art analytical laboratories to gear up to the Increasing demands in Analytical Chemistry.** • **Improving the quality of teaching by strengthening the faculty of the department and the alumni support.**

52. Future plans of the department.

- **Plans related to infrastructure development: Strengthen the department with Infrastructural facilities and Research facilities.**
- **Teaching Learning: Encourage the teaching faculty to apply for more no. of Research Projects. Conducting the seminars frequently for renew the knowledge of Teachers, Scholars and students by interacting with rewound personalities who invited as resource person for seminars.**
- **Research: To develop in to a center for potential of excellence in chemical science research.**

3. DEPARTMENT OF COMPUTER SCIENCE

1. Name of the Department: **Computer Science**

2. Year of the Establishment: **1986**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes offered: **PhD, MPhil, MCA, MSc (Bio-informatics), MSc (Information & Science Technology), MSc (Information Technology) & PGDCA.**

5. Interdisciplinary programmes and departments involved. **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**

7. Details of programmes discontinued, if any, with reasons. **MSc (Bio-informatics) now shifted to the CISST.**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**04**
Associate Professor	**03**	**01**	**01**
Assistant Professor	**05**	**05**	**01 + 08 (contractual)**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr PV Virparia	**PhD (CS), MCA**	**Director and Professor**	**Computer Science, Simulation**	**26**	**07+02**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr DB Choksi	PhD (CS), MCA, MSc (Phy)	Professor	Computer Science, Computer Networks	26	03+02
Dr DB Shah	PhD (CS), MCA	Professor	Computer Science, Computer Graphics	26	06+03
Dr PS Sajja	MSc (CS), MSc (CS)	Professor	Computer Science, Artificial Intelligence	22	06+03
Mr BB Patel	MCA	Associate Professor	Computer Science, Software Engineering	19	-
Mr JV Smart	MCA	Assistant Professor	Computer Science, RDBMS	18	-
Dr HJ Panchal	PhD (Bio-Chem), PGDCA	Lecturer	Computer Science, Bio-informatics	12	02
Mr Brijesh Patel	MSc (IS)	Lecturer	Computer Science	07	-
Ms SB Shah	MCA	Lecturer	Computer Science	07	-
Dr BV Patel	PhD (CS), MCA	Lecturer	Computer Science	07	-
Dr HB Pandit	PhD (CS), MCA	Lecturer	Computer Science	07	-
Ms JK Patel	MCA	Lecturer	Computer Science	07	-
Dr JA Trivedi	PhD (CS), MCA	Lecturer	Computer Science	04	-
Ms RD Gaharwar	MCA	Lecturer	Computer Science	04	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**

13. Percentage of classes taken by temporary faculty – programme-wise information: **Not Applicable**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MCA	2010-11	25:1
	2011-12	25:1
	2012-13	25:1
	2013-14	25:1
	2014-15	25:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	02	03 (contractual)	03 (contractual)
Administration	01	01	04 +01 (contractual)

16. Research thrust areas as recognized by major funding agencies

- **Neuro-fuzzy Systems**
- **Comparative Genomic & Proteomic studies of the multi domain Cellulase enzyme from different organisms**
- **Heli-PyD, a Comprehensive Database for Helico Bactor Pylori**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Sr. No.	Name of Faculty	Title of project	Month and Year of sanction	Amount sanctioned	Amount utilized
1	**Mr Bharat B Patel**	**A comprehensive study of web services in the field of Bioinformatics**	**Sardar Patel University (Seed Grant)**	**50,000 (No. G/1-SEED GRANT/2015-16/6585 (27th January 2015)**	**On going**

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

   Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition : **Not Applicable**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Not Applicable**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	43	10	33
2011-12	11	01	10
2012-13	31	0	31
2013-14	06	0	6
2014-15	04	0	4
Total	95	11	84

b) Monographs: **Nil**

c) Chapters in Books : **11**

d) Edited Books: **01**

e) Books with ISBN with details of publishers: **05 Books**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **Nil**

g) Citation Index – range/average

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average

Average =	3
Highest =	6
Lowest =	3

k) h-index

Faculty Name	Citation since 2010	h-index since 2010
Dr PV Virparia	48	04
Dr DB Choksi	13	02
Dr DB Shah	31	03
Dr PS Sajja	369	08
Dr BV Patel	36	-
Dr HB Pandit	14	-
Ms JK Patel	02	01
Dr JA Trivedi	21	-

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad.

Prof PV Virparia, Prof DB Choksi, Prof DB Shah and Prof PS Sajja visited various institutes/universities for providing academic services.

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify).

Sr. No.	Name of the Faculty	Name of Journal	National/ International
1	Dr PV Virparia	National Journal of System and Information Technology	National
		International Journal of Research and Reviews in Information Security and Privacy	International
		Research@ICT: International Journal of Information and Computing Technology	International
		International Journal of Computer Applications	International
		National Journal of Engineering and Science : Editorial Board	National
		International Magazine on Advances in Computer Science and Telecommunications	International
2	Dr DB Choksi	PRAJNA Sardar Patel University	National
		National Journal of Computer Science & Technology (NJCST) S.V.Institute of Computer Studies, Kadi	National
		International Journal of Computer Science & Systems DIT School of Engineering, Greater Noida	International
		RESEARCH@ICT: International Journal of Information and Computing Technology ISTAR	International
		International Journal of Research Issues in Computing Sciences (IJRICS)	International
3	Dr PS Sajja	International Journal of Computer Science & Applications, India	International
		International Magazine on Advances in Computer Science and Telecommunications, Republic of Macedonia	International
		International Journal of Computational Intelligence Techniques, UK	International
		INFOCOMP Journal of Computer Science, Brazil	International
		Research@ICT: International Journal of	International

Sr. No.	Name of the Faculty	Name of Journal	National/ International
		Information and Computing Technology, India	
		International Journal of Data Mining and Emerging Technologies	**International**
4	**Dr HJ Panchal**	**Journal of computational intelligence and electronic systems American Scientific Publishers**	**International**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    The department has organized workshops/training programmes on .NET technology, Bioinformatics, Multimedia Technology for faculty recharging.

28. Student projects:

    - percentage of students who have done in-house projects including inter-departmental projects: **100 All the students of PGDCA/MCA/MSc (IT) courses do their in-house project work during their study period.**
    - percentage of students doing projects in collaboration with other universities/industry/institute **All the last semester students of MCA/MSc (IT) courses do their project work in collaboration with industry.**

29. Awards/recognitions received at the national and international level by

    - **Faculty:**

Name of Faculty member	Title of Award	Year of Award	Name of Awarding body	National/ International
Dr PS Sajja	**Best research Paper**	**2012**	**National Conference on Spectrum of Information Technology Development at India's Perspective, Tarntaran**	**National**
	Best research Paper	**2014**	**National Conference on Emerging Trends in Information & Communication Technology, Rajkot**	**National**

    - **Doctoral/post doctoral fellows: Nil**
    - **Students: Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    - **Workshop on "Molecular Modeling and Drug Designing" 22nd-24th Nov 2010.**
    - **Workshop on Bioinformatics on 28-30 Aug, 2011.**
    - **Workshop on .NET Technology 21st – 22nd Oct, 2011**

31. Code of ethics for research followed by the departments

- **Feasibility of the proposed research work**
- **Duplication of work**
- **Usefulness of the work to society**

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MCA	**2010-11**	**245**	**84**	**16**	**100**	**100**
	2011-12	**178**	**68**	**33**	**100**	**100**
	2012-13	**139**	**82**	**22**	**100**	**100**
	2013-14	**202**	**83**	**18**	**100**	**100**
	2014-15	**179**	**57**	**27**	**100**	**100**
MSc Bioinformatics	**2010-11**	**-**	**12**	**19**	**100**	**100**
	2011-12	**-**	**09**	**22**	**100**	**100**
	2012-13	**04**	**06**	**05**	**100**	**100**
MSc (Information Technology)	**2013-14**	**58**	**22**	**15**	**100**	**100**
	2014-15	**32**	**14**	**09**	**100**	**100**

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCA (2013-14)	**24**	**76**		
MCA (2014-15)	**43**	**57**	**-**	**-**
PGDCA (2013-14)	**67**	**30**	**-**	**-**
PGDCA (2014-15)	**80**	**20**	**03**	**-**
MSc(IT) (2013-14)	**54**	**43**	**-**	**-**
MSc(IT) (2014-15)	**74**	**26**	**-**	**03**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: **Nil**

35. Student progression: **Nil**

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**92**
from other universities within the State	**8**
from universities from other States	**-**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **03**

38. Present details of departmental infrastructural facilities with regard to

    a) Library: **7,426 Books**

       Library: **Print (books, back volumes and theses) - 7,426 books**

       Electronic (e-books, e-journals) – **from INFLIBNET**

       Magazines: **11**

       National/International Journals: **38**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	**0/14**	**3,31,053**
2011-12	**71/44**	**70,545**
2012-13	**442/00**	**4,00,000**
2013-14	**0/23**	**1,99,999**
2014-15	**-**	**-**

    b) Internet facilities for staff and students: Department has two ways of getting internet connectivity

- **Bandwidth provided by university**
- **4 Mbps BSNL connectivity**

    c) Total number of class rooms: **08**

    d) Class rooms with ICT facility: **ICT enabled class**

    e) Students' laboratories: **Computer Laboratory**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university

Doctoral students

2012-13

1. **Mr Himanshu Patel, Suervisor: Dr PV Virparia**
2. **Mr Atul Patel, Suervisor: Dr PV Virparia**
3. **Narayan Arvindkumar Joshi, Suervisor: Dr DB Choksi**
4. **Vishal Dahiya, Suervisor: Dr PS Sajja**
5. **Jeegar Trivedi, Suervisor: Dr PS Sajja**

2013-14

6. **Jyoti Tiwari, Suervisor: Dr DB Choksi**
7. **Patel Biraj V, Suervisor: Dr DB Shah**
8. **Mistry Mijal R, Suervisor: Dr DB Shah**
9. **Pandit Hardik B, Suervisor: Dr DB Shah**
10. **Sanskruti V Patel, Suervisor: Dr PS Sajja**
11. **Kunjal B Mankad, Suervisor: Dr PS Sajja**
12. **Anita M Gutta, Suervisor: Dr PS Sajja**
13. **Sohil D Pandya, Suervisor: Dr PV Virparia**

2014-15

14. **Ms. Amisha R Chauhan, Suervisor: Dr PV Virparia**
15. **Ms. Megha Vaidya, Suervisor: Dr PV Virparia**
16. **Pathak Pranv, Suervisor: Dr DB Shah**
17. **Sagar Shirinkumar Patel, Suervisor: Dr DB Shah**
18. **Patel Megha K, Suervisor: Dr DB Shah**

b) from other institutions/universities

2010- 15

1. **Ms Amisha R Chauhan, Supervisor : Dr PV Virparia**
2. **Mrs Pankaj Parsania Supervisor : Dr PV Virparia**
3. **Mr Hardik A. Vyas,Supervisor : Dr PV Virparia**
4. **Mr Bhavinkumar Dilipkumar Shah, Supervisor : Dr DB Choksi**
5. **Mr Pranav Pathak, Supervisor : Dr DB Shah**
6. **Ms Jinal Tailor, Supervisor : Dr DB Shah**
7. **Ms Vishal Dahiya, Supervisor : Dr PS Sajja**
8. **Ms Anita Gutta, Supervisor : Dr PS Sajja**
9. **Mr Nilay M.Vaidya, Supervisor : Dr PS Sajja**
10. **Mr Pravin R Patel, Supervisor : Dr PS Sajja**
11. **Mr Krunal Khurana, Supervisor : Dr PS Sajja**
12. **Ms Aditi, Kalyani, Supervisor : Dr PS Sajja**

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	08	12	25
2011-12	10	16	17
2012-13	23	04	32
2013-14	23	12	52
2014-15	20	09	60
Total	84	53	186

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Ms Hemang Bharatkumar Mehta		
3	2012-13	Mr Anustup Shiladitya Gupta	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
4	2013-14	Mr.Anustup Shiladitya Gupta		
5	2014-15	Mr. Devangkumar Kantilal Jani		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

    The Programmes are review based on analysis of market and skill demands.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) how does the department utilize the feedback? **Yes, the department utilizes the feedback to improve the teaching learning process and curriculum.**

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes, the department utilizes the feedback to improve the teaching learning process and curriculum**.

    c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Yes, the department utilizes the feedback to improve the teaching learning process and curriculum.**

43. List the distinguished alumni of the department (maximum 10)

    Dr SM Patel (USA)
    Dr KM Jhaveri (USA)
    Dr GS Rao (USA)
    Dr Vinodkumar (USA)
    Dr Vipul Desai (Baroda)
    Mr Nikunj Patel (PCS, Gandhinagar)
    Dr Sanjay Booch (Reliance Ahmedabad)
    Dr Bankim Patel (Director, Uka Tarsadia University, Bardoli)
    Dr CK Kumbharana (Head, Saurastra University)
    Mr Ajay Yadav(Oracle, USA)

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts

Sr. No.	Name of Guest Faculty	Dates of visit	Interdisc iplinary /multidis ciplinary	Title of lecture/s delivered	Name of Scheme under which guest was invited
1	Mr Dipak Rai	7/2/2012	-	Emerging Trends in IT	IA Patel (Sheratha) Lecture Series
2	Prof ML Saikumar	1/8/2012	-	Software Testing	IA Patel (Sheratha) Lecture Series
3	Mr Vipul Patel	7/1/2013	-	Information Architecture & Data Warehousing	IA Patel (Sheratha) Lecture Series
4	Dr Manish R Joshi	13/8/2013	-	Future Trends in Computing	IA Patel (Sheratha) Lecture Series
5	Prof P Thrimurthy	26/12/2013	-	Development of Right Attitudes for Skills Development	IA Patel (Sheratha) Lecture Series
6	Mr Ashish Patel	3/1/2015	-	SAP in Business	IA Patel (Sheratha) Lecture Series
7	Mr Dilip Patel	8/1/2015	-	IT opportunities in CANADA	IA Patel (Sheratha) Lecture Series
8	Mr Nilay P Ganatra	2/9/2015 (2 Sessions)	-	Application Development using Android	IA Patel (Sheratha) Lecture Series

45. List the teaching methods adopted by the faculty for different programmes.

The faculty of the department of computer science uses the latest teaching aids such as multimedia projector, Internet, online demonstrations, tutorials, etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

   The department monitors placement of students and feedback received from students/society to ensure that the objectives are met.

47. Highlight the participation of students and faculty in extension activities.

   Students actively participate in blood donation camps organised by the department, tree plantation and cleaning activates time to time under NSS.

48. Give details of "beyond syllabus scholarly activities" of the department.

   The department organises IT competitions, expert talks, and workshops to develop IT skills in latest technologies.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details.

   Yes. The Department of Computer Science is approved by AICTE.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

   The research activities carried out by the faculty as well as research students of the department have opened up new areas for innovative work.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Latest state of the art infrastructure.** • **well designed syllabus.** • **Placement activities.** • **Well qualified faculty.** • **Beyond syllabus scholarly activities.**
Weaknesses
• **Vacant senior level positions of teaching staff and permanent non teaching staff due to pending clearance from Government.** • **Mobility of junior staff.**
Opportunities
• **Providing services to society/industry.** • **Developing new skills in latest technology.** • **Perusing research in modern technology.**
Challenges
• **To cope up with the rapid changes in information technology.** • **To produce competent IT professionals for industry/Government.** • **To attract students for the professional courses.**

52. Future plans of the department.

   • **The department plans to peruse research work in fields like artificial intelligence, image processing, data mining, cloud computing, distributed computing, etc.**

- **We also have a plan to introduce advanced servers/workstations to strengthen our computing facilities.**
- **The department plans to provide consultancy services through its expert faculty members.**

4. DEPARTMENT OF ELECTRONICS

1. Name of the Department: **Electronics**

2. Year of the Establishment: **1988**

3. Is the Department part of a School/Faculty of the university?

    Yes. Faculty of Science.

4   Names of programmes: **PhD & MSc.**

5. Interdisciplinary programmes and departments involved

    Dr BH Patel involved in the CISST program as a member of Advisory Committee.

    Dr VS Vaishnav and Dr UB Trivedi are involved in the MSc programme offered by CISST, Sardar Patel University.

6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**

7   Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments.

    Dr VS Vaishnav and Dr UB Trivedi are involved in the MSc programme offered by CISST, Sardar Patel University.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	-	02
Associate Professor	02	02	05
Assistant Professor	04	04	-
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr (Ms) BH Patel	MSc PhD (Physics)	Professor (CAS)	Thin Films Electronic Devices, Semiconducting Materials and Devices, Communication electronics , Crystal Growth, Vacuum Technology, Material Characterization, Properties and Device Applications	27	01
Dr D Lakshmiunarayana	MSc PhD (Physics)	Professor (CAS)	Semiconductors-Single Crystals and Thin Films & Devices, Solar Cells, Sensors / Bio-sensors / Bio-Electronics, Crystal Growth ,Semiconductor Thin Film Devices	31	-
Dr SS Patel	MSc PhD (Physics)	Associate Professor	Solar Energy, Electroluminescence Devices	26	-
Dr(Ms) VS Vishanav	MSc PhD (Electronics)	Associate Professor	Sensors : Science and Technology, IndustrialElectronics,Thick films	22	01
Mr DB Dave	MSc (Electronics)	Associate Professor	Computer Science and Technology, Instrumentation, Embedded System Design	24	-
Mr PB Patel	MSc (Electronics)	Associate Professor	Computer Electronics, Digital VLSI Design, Embedded System Design	22	-
Dr(Ms) SS Patel	MSc PhD (Electronics)	Associate Professor	Thin Film Device, Instrumentation, Microcontroller based systems.	19	-

12 List of senior Visiting Fellows, adjunct faculty, emeritus professors

Dr KK Makhija, Worked as Visiting Faculty (2010-11).

13. Percentage of classes taken by temporary faculty – programme-wise information: **Not Applicable**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MSc	**2010-11**	**15:1**
	2011-12	**18:1**
	2012-13	**16:1**
	2013-14	**11:1**
	2014-15	**8:1**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	**05**	**02**	**03**
Administration	**01**	**01**	**03+03 (contractual)**

16. Research thrust areas as recognized by major funding agencies: **Pulsed LASER Deposited Thin Film Nano Sensors, Thin Film Optical Sensors, GAS/VOC Sensors**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of Investigator/s Name of Investigator/s	Title of project	Funding agency	Amount Sanctioned (in ₹)
Dr(Ms) Basumati H Patel	**Synthesis and Characterization of pulsed leaser deposited semiconductor thin films for nanosensor application**	**UGC, New Delhi**	**14,58,800 Letter No. E.No.41-594/2012(SR)**
Dr (Ms) Vibha S Vaishnav	**Interdisciplinary Research work on Development of Gas / Vapour Sensors using the Oxide Semiconductors with possible extended study of the response of Tin Metal to Mechanical and Electrical Stimuli**	**Sardar Patel University**	**1,00,000 Letter No. : (i) G/No. DST Purse/12-13/1674 Dt. 06/06/2012 (ii) No. : G-1 / Elect / DST Purse/7518**

18. Inter-institutional collaborative projects and associated grants received
a) National collaboration b) International collaboration: **Nil**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received: **Nil**

20. Research facility/centre with State, National and International Recognition:

    Nataional Recongintion: Pulsed LASER Deposition System (COMPEX-Pro Excimer LASER) facility for thin film deposition.

    State recognition: VLSI Design Laboratory recognised and funded by Govt. of Gujarat

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	**02**	-	**02**
2011-12	**03**	**01**	**02**
2012-13	**02**	-	**02**
2013-14	-	-	-
2014-15	-	-	-
Total	**07**	**01**	**06**

    b) Monographs: **Nil**

    c) Chapters in Books: **Nil**

    d) Edited Books: **Nil**

    e) Book Publication: **Nil**

    f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

    g) Citation Index – range/average: **Nil**

    h) SNIP: **Nil**

    i) SJR: **Nil**

    j) Impact Factor – range/average **Range 3.84-0.9 (SCI Indexed Journal)**

    k) h-index (Since 2010)

Name of the Faculty	Citations	h-index	I10-index
BH Patel	**29**	**03**	**01**
VS Vaishnav	**260**	**06**	**05**
PB Patel	**144**	**06**	**05**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
D Lakshminarayana	**PRAJNA - Journal of Pure and Applied Sciences**	**National**	**2013,Sardar Patel University**
Dr BH Patel	**UGC-NET Examination**	**National**	**2003 onwards**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    Please do refer Volume II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects :

    - percentage of students who have done in-house projects including inter-departmental projects: **100. Students are under taking the Project work at all semesters of their MSc Course.**
    - percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by

    - Faculty: **BH Patel (Best Oral Presentation), PB Patel (Best Poster Presentation)**
    - Doctoral/post doctoral fellows: **Dhruv Dhananjay (Best Oral Presentation),Vishal Dhamecha (Best Poster Presentation)**
    - Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any: **Nil**

31. Code of ethics for research followed by the departments.

    As stipulated by UGC and University norms in relation to relevant research areas.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
MSc					
2010-11	76	43	13	96.40	100
2011-12	576	48	18	93.90	100
2012-13	67	28	19	97.80	100
2013-14	33	24	06	93.33	100
2014-15	27	15	06	-	-

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countires
MSc				
2010-11	54	46	-	-
2011-12	86	14	-	-
2012-13	71	29	-	-
2013-14	66	29	05	-
2014-15	54	46	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Number of Students	NET	GATE
2011-12	01	01	-
2011-12	02	01	-
2012-13	02	01	01
2013-14	01	01	-
2014-15	01	01	-

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	-
PG to PhD	2

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**67**
from other universities within the State	**-**
from universities from other States	**33**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

a) Library Books: **2200**, Journals: **6** and Video Cassettes: **85**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	41/2	2,50,027
2011-12	42/0	17,606
2012-13	20/2	4,00,000
2013-14	56/0	24,748
2014-15	29/0	6,089

b) Internet facilities for staff and students: **Yes**

c) Total number of class rooms: **02**

d) Class rooms with ICT facility: **02**

e) Students' laboratories: **06**

f) Research laboratories: **02**

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university

Doctoral students

2012-13

1. Mr Jignesh Panchal, Supervisor: Dr VS Vaishnav

b) from other institution/university

Sr. No	Name of student	Name of supervisor	Date of registration	Title of Thesis	Status: Pursuing/ submitted thesis/aw arded degree	Whether thesis was uploaded on internet (Y/N) If yes, provide details
1	Vishal Dhamecha	Dr BH Patel	21-09-2010 (full time)	Studies on Compound Semiconductor Thin Film Electronic Devices	Pursuing	
2	Dhruv Dhananjay	Dr BH Patel	04-11-2004 (part-time0	Studies on Compound Semiconductor $(ZnIn_2Se_4)$ Thin Film Electronic Devices	Degree Awarded (Dec 2015)	Submitted to University Library
3	Panchal Jignesh	Dr VS Vaishnav	30-11-2006 (full-time)	Development and Applications of Indium Tin Oxide (ITO) Thin Film Vapour Sensors	Degree Awarded (24-11-2014)	http://hdl.handle.net/10603/34702

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	02	0	04
2011-12	01	01	06
2012-13	0	0	05
2013-14	01	02	08
2014-15	0	0	07
Total	04	03	30

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Ms Aashiyabanu Iqbalhusain Saiyed		
3	2012-13	Ms Vaishali Shankerlal Bhoi	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
4	2013-14	Ms Bhumiben Mansukhlal Thummar		
5	2014-15	Mr Ramendra Narayan Pandey		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Not Applicable**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback? **Yes. Regular feedback from faculty members regarding the subjects they handled are discussed in the Curriculum Development Cell (CDC) of the department. Based on the discussions, modifications are made in the syllabi and curriculum in the Board of Studies.**

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes. Mentor meeting is conducted in regular intervals by the Mentors. Class Representative Meetings are conducted by the Head of the Department. Based on the feedback corrective measures are taken.**

   c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Few alumni and employers are members of the Board of Studies**

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr HN Kapse	Assistant Professor	MSc (Electronics)	1999
Dr CJ Panchal	Professor	PhD (Electronics	1996
Gopul R Patel	Entrepreneur	MSc (Electronics)	1996
Soumil B Shah	Dell Online Tech Support Manager	MSc (Electronics)	2006
Dhaval A Parikh	Project Manger, Einfochip	MSc (Electronics)	2007
Bharat B Lohray	Software Developer, SA	MSc (Electronics)	2008
Dhaivat B Jani	Embedded Engineer	MSc (Electronics)	2003
Parag D Dave	Software Engineer , USA	MSc (Electronics)	2009
Nimisha Neog	Assistant Professor, Asham	MSc (Electronics)	2011

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Mitesh Parmar	**Back End Design Tester, E-Infochip**	**MSc (Electronics)**	**2009**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts. **Not Applicable**

45. List the teaching methods adopted by the faculty for different programmes.

- **Collaborative and Cooperative Learning**
- **Experimental Learning**
- **Case study based Learning**
- **Web Based Learning**
- **Team-based Learning**
- **Project-based Learning**
- **Question-directed Instruction**
- **Project work Assignment**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

   The outcomes are listed

- **Ability to exhibit knowledge of Circuit Design based on science and engineering;**
- **Capable of identifying, formulating and solving electronic device and circuit related problems;**
- **Ability to conduct experiments, interpret data and design as per specifications; and**
- **Ability to work on live projects.**
- **Regular tests are conducted and the performance of the students are analysed based on their marks. Laboratory sessions include viva to check the knowledge gained by the students. Semester projects are done by the students based on the skills acquired and this enables them to work on live projects. The outcomes are monitored through tests, placements and competitions**

47. Highlight the participation of students and faculty in extension activities.

   Faculty members of the Department are associated with the Community Radio Station, rendering their technical expertise for keeping CRS live. Some faculties are also involved as committee member of Shri Aurbindo Chair of Integral Studies. Students of the Department are involved in various cultural activities of the University.

48. Give details of "beyond syllabus scholarly activities" of the department.

- **Industrial Placement - are arranged to enable the students to know about the real time applications.**
- **Senior students train their junior students on the latest trends in industry based on thire in-plant training they have attended**.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

    - **The Department is presently in a process of establishing the diverse research facility based on Pulsed LASER Deposition for Nano application.**
    - **Industry standard Design Tools are also included in the basic teaching and practical training for the student in the field of VLSI System Design.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Eco – friendly and amicable working atmosphere.   **Excellent Infrastructure and Lab facilities.**   **Experienced, dedicated and highly qualified Teaching Staff.**   **Departmental library facility is available for faculty Members and students.**   **Good and spontaneous assistance from non-teaching staff.**   **Providing study materials and holding special classes for slow student.**   **Different Cultural programs, Sport activities are organized in the department in regular basis.**
Weaknesses
Research output is less due to unfilled sanctioned teaching posts.   **PhD qualified faculty members are less in the department.**
Opportunities
Department can serve as a knowledge base centre in the filed of IC design and testing.
Challenges
Heavy syllabus leading to lack of time for giving personal attention to students.   **Strengthening Global Level Research.**   **Technical difficulties for continuous restructuring of course.**   **Motivating the students towards generating interest in the subject and further higher studies like PhD program.**

52. Future plans of the department.

    To achieve the Potential of Excellence in the field of Electronics.

5. DEPARTMENT OF MATERIALS SCIENCE

1. Name of the Department: **Materials Science**

2. Year of the Establishment: **1990**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes offered: **MSc Materials Science, MSc Nanoscience & Nanotechnology, PhD in Materials Science& PhD in Materials Technology**

5. Interdisciplinary programmes and departments involved **MSc Materials Science programme is an interdisciplinary branch of science involving basic and applied aspects of Physics, Chemistry and Engineering. Department of Physics and Chemistry are involved.**

6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**

7 Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments. **Laboratory facilities are provided for the practical work of MSc (Defence science)**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	-	-
Associate Professor	**01**	-	**02**
Assistant Professor	**02**	**02**	-
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr (Miss) RH Patel	MSc, PhD	Associate Professor	Synthetic Polymers: Synthesis, Characterization and applications Flame retardant Polymers: Synthesis, Characterization and applications	26	01
Dr NM Batra	MSc, PhD	Associate Professor	Crystal Growth and Characterization Thin Films (PECVD)	26	-
Dr LM Manocha	MSc, PhD	Professor (Retired)	Carbon Science and Technology, Carbon fibers, Carbon-Carbon composites, Ceramics &Ceramic Composites, Carbon Nanomaterials and Composites	25	05
Dr (Mrs) S Manocha	MSc, PhD	Professor (Resigned)	Activated Carbon, Carbon -metal complex, Composites for bio-Applications, Sol-gel Processing of Ceramics, Fly ash utilization, Nanoclay &nanoclay based composites, carbon and carbon ceramic foams	23	05

12   List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Department/University/Institution	Year of Visit
Dr HC Bajaj	MS University, Vadodara	2011
Dr PM Raole	IPR, Gandhinagar	2011
Mr JK Das, (West Bengal)	Naskar &Co., Howrah	2011
Dr TLPrakash	Director, CMET, Mumbai	2011
Dr UV Vardharajan	Scientist G, DRDO, at CRDE	2011
Dr P Kothiyal	BARC,Mumbai	2011
Dr Anil Gupta	IIT, Kharagapur	2011

Dr Krupanidhi	IISc, Banglore	2011
Dr Sundarrajan	ARCI, Balarpur,Hyderabad	2011
Dr Bhanushali	Quardrant dental solution, Mumbai	2012
Dr S Roy	CTI, Banglore	2012
Dr Saxena	DMSRD, Kanpur	2012
Dr RN Bhargav	IIT, Mumbai	2012
Dr HS Maiti	NIT, Rourkela	2012
Prof Walter Krenkel	University of Bayreuth,Germany	2012
Dr M Singh	NASA, USA	2012
Dr AK Singh	NAL, Banglore	2012
Dr Saxena	DMSRD, Kanpur	2012
Dr M Singh	USA	2013
Dr Arvind Saxena	Kanpur- DMSRDO	2013
Dr Ing Paolo	Colombo	2013
Dr Hasan Mandal	Turkey	2013
Dr VK Rattan	Dean, Engineering Faculty, Punjab University, Chandigadh	2013
Dr RB Mathur	NPL, Head Division of Physics & Engineering, New Delhi	2013
Prof Walter Krenkel	University of Bayreuth, Germany	2013
Dr Anil Gupta	IIT, Kharagpu	2013
Dr SD Majumdar	Delhi university, New Delhi	2013
Prof SK Joshi	NPL, New Delhi	2014
Prof SV Joshi	University of Pune, Pune	2014
Prof PK Jain	ARCI, Hyderabad	2014
Prof SB Krupanidhi	IISC, Banglore	2014

13. Percentage of classes taken by temporary faculty – programme-wise information:

List of Programme	Faculty (Permanent/Temporary)	Percentage
MSc	Permanent	50
	Temporary	50

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MSc	2010-11	8.5:1
	2011-12	10:1
	2012-13	11:1
	2013-14	16:1
	2014-15	19:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	02	01	01
Administration	07	06	03

16. Research thrust areas as recognized by major funding agencies:

    Identified for SAP CAS (Phase II) (Completed):

    - **Commission's sanction letter No.F 5-4/2009 dated 18-12-2009 CAS Phase II.**
    - **Carbon and Ceramic based solid and porous functional materials including Nanomaterials and composite materials for industrial and strategic applications.**

    Identified for SAP CAS (Phase III) (Recommended):

    - **Polymeric and ceramic based materials for composite, film and coating applications.**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration: **Nil**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
CAS	**UGC-SAP/CAS**	**₹106 Lakhs**	**2009-14**

20. Research facility/centre with State, National and International Recognition:

    - **State recognition:**

    State Government (Gujarat Council on Science and Technology, GUJCOST) has recognized the Department as Centre for Excellence in Nanoscience and Nanomaterials

    - **National recognition:**

    The Department of Science and Technology, New Delhi has recognized it for FIST level II program.

    The University Grants Commission, Delhi has recognized the department as Centre for Advance Studies in polymeric and ceramic based materials.

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

a) Number of papers published in peer reviewed journals (national/international)

Year	Number of Papers Published	National	International
2010-11	**08**	**-**	**08**
2011-12	**09**	**-**	**09**
2012-13	**02**	**-**	**02**
2013-14	**07**	**-**	**07**
2014-15	**06**	**-**	**06**
Total	**32**	**-**	**32**

b) Monographs: **Nil**

c) Chapters in Books: **Nil**

d) Edited Books: **Nil**

e) Books with ISBN with details of publisher: **Nil**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

g) Citation Index – range/average: **Nil**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average: **Nil**

k) h-index:

Prof LM Manocha	**h-index=8**
Prof S Manocha	**h-index=10**
Dr RH Patel	**h-index=5**
Dr NM Batra	**h-index=6**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated:

Year	Consultancy Provided to	Area	Income Generated (in ₹)
2011-12	**Sud chemie India pvt.ltd.**	**Testing (SEM analysis 05 sample)**	**5,000**
2011-12	**Sud chemie India pvt.ltd.**	**Testing (SEM analysis 07 sample)**	**7,000**
2011-12	**Sud chemie India pvt.ltd.**	**Testing (SEM analysis 07 sample)**	**7,000**

Year	Consultancy Provided to	Area	Income Generated (in ₹)
2012-13	Boron carbide Pvt. Ltd. Mumbai	-	12,000
2012-13	AR College of Pharamacy, VV Nagar	Testing (Particle size analysis & zeta potential 02 sample)	800
2012-13	AR College of Pharamacy, VV Nagar	Testing (Particle size analysis & zeta potential 12 sample)	4,800
2012-13	Kavya carbon Pvt. Ltd., Jaipur	Testing	12,500
2013-14	Sud Chemie India Pvt. Ltd.	Testing	10,000

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad:

- **SM Manocha, Eighth International Conference on High Temperature Ceramic Matrix Composites, September 22-26, 2013, Xi'an, China.**
- **Satish M Manocha, Institute of Materials Science, Shenyang, China, September 28, 2013.**
- **LM Manocha, Argonne National Laboratory, USA, May 31, 2011.**
- **LM Manocha, International Ceramic Conference, Daytona beach, USA, January 24, 2011.**
- **LM Manocha, International Symposium on Ceramics, Osaka, Japan, November 16, 2010.**
- **LM Manocha, Shinshu University, Nagano, Japan, November 18, 2010.**
- **LM Manocha, HTCMCAP, Xiang, China, April, 2010.**
- **LM Manocha, Russian Academy of Science, June 2010.**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

Name of Faculty	National/International/Editorial Board	Level
Prof LM Manocha	Bulletin of Carbon Science(Korea)	International
Prof LM Manocha	Russian Journal composites and Nanostructures	International
Prof LM Manocha	Eurasian-Techno chemical journal of chemical Science	International
Dr(Miss) RH Patel	Journal of Materials Science	International

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of Faculty	National/International	Workshops
Dr RH Patel	National	National seminar on crystallography (NSC 43B) & National workshop on CADD
Dr RH Patel	National	One-day workshop on statistical computing through software
Dr RH Patel Dr NM Batra Prof LM Manocha Prof S Manocha)	National	One day workshop on Advanced ceramics for industrial and Biomedical Applications
Dr RH Patel Dr NM Batra Prof LM Manocha Prof S Manocha	National	One day workshop on Advanced ceramics for industrial and Biomedical Applications
Dr RH Patel Dr NM Batra Prof LM Manocha Prof S Manocha	National	One day workshop on carbon nanomaterials for industrial applications
Dr RH Patel Dr NM Batra Prof LM Manocha Prof S Manocha	National	one Day workshop on ceramic processing

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: **100**
- percentage of students doing projects in collaboration with other universities/industry/institute: **10**

29. Awards/recognitions received at the national and international level by

Faculty:

Name of Faculty	Awards/Recognitions Given by	Year
Prof S Manocha	International Sardar Patel Award for Excellence in Technology Development	2012
Prof S Manocha	MRSI Medal	2012

Doctoral / post doctoral fellows: Nil

Students:

- **Mr Valay Solanki got the Third Prize in Poster Presentation in the "International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries" held on December 19, 2011 at Agra.**
- **Ms Arpana Basak got the Second Prize in Oral Presentation in the "Innovations in Science- SPU Research Scholar Meet (ISSPURSM-2012)" held during January 8-9, 2012 at Vallabh Vidyanagar.**
- **Mr Hasmukh Gajera got the First Prize in Poster Presentation in the "Innovations in Science- SPU Research Scholar Meet (ISSPURSM-2012)" held during January 8-9, 2012 at Vallabh Vidyanagar.**
- **Ms Namita Jha got the First Prize in Oral Presentation in the "XXVI-Gujarat Science Congress" held on February 26, 2012 at Ahmedabad.**
- **Mr Parth Joshi got the Best Poster Prize in poster presentation at the "National Conference on carbon materials- 2012" held on 1-3rd November, 2012 at BARC, Mumbai.**
- **Arpana Basak received the best oral presentation prize at the International Symposium on Advanced Ceramics, Composites and Nanostructured Materials.**
- **Arpana Basak received the best oral presentation prize at XXV Gujarat Science Congress, 2011.**
- **Valay Solanki received the best poster presentation prize at the International Symposium on Advanced Ceramics, Composites and Nanostructured Materials.**
- **Mr Milan Vyas got the Best Poster Prize in Poster Presentation at the "IUMRS ICA 2013"held on December 16th -20th, 2013 at IISC, Banglore.**
- **Mr Amin Hirani got the second prize in poster presentation at the XXVII Gujarat Science Congress-2013 held on 24/02/2013 at Charusat, Changa.**
- **Mr Amin Hirani got the third prize in poster presentation Research paper presented in poster form and got third prize in the,UGC sponsored one day seminar on Condensed Matter Physics (CMP-2014) held at Department of Physics,Sardar Patel University,Vallabh Vidyanagar on 3rd March,2014.**
- **Charulakshmi T R secured 1st position in Article writing competition organized by community science centre in National Science Day celebration-2014.**

Prof CN Rao education Foundation Prize for Best Project Prize

- **Mr Twinsampati Bhandari and Tridip B K Baishya for the year 2011-12.**
- **Mr Rahul R Pillai for the year 2013-14.**
- **Miss Charulakshmi TR for the year 2014-15.**

Awarded MRSI Gold medals for securing 1st rank in MSc (Materials Science)

- **Debabrata Ghosh for the year 2010-11.**
- **Prabhakar Jha for the year 2011-12.**
- **Bharatkumar Chunilal Prajapati for the year 2012-13.**

- **Abhignan Chwaudhary for the year 2013-14.**
- **Sidhhant Pathak for the year 2014-15.**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments:

    Hard work, sincerity and determination to achieve the goal.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	Female	Male	Female
(MSc Materials Science)					
2013-14	27	11	09	100	100
2012-13	28	09	12	100	100
2011-12	49	17	01	100	100
2010-11	20	09	-	94.7	-
(MSc Nanoscience & Nanotechnology)					
2013-14	12	-	-	-	-
2012-13	09	-	-	-	-
2011-12	10	06	02	100	100
2010-11	04	02	02	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSc (Materials Science)				
2013-14	10.00	90.00	-	-
2012-13	09.52	80.95	09.52	-
2011-12	77.78	22.22	-	-
2010-11	47.36	15.78	36.84	-
MSc (Nanoscience & Nanotechnology)				
2013-14	-	-	-	-
2012-13	-	-	-	-
2011-12	16.66	83.33	-	-
2010-11	-	100	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Sr. No.	Name of Examination	Year (numbers only)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	GATE	05	07	02	03	04
2	NET	-	-	01	-	-

35. Student progression:

Student Progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	-
PG to PhD	10
Employed	10
Other than campus recruitment	80
Entrepreneurs	10

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	50
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period **Nil**

38. Present details of departmental infrastructural facilities with regard to

   a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	09/0	6,852
2011-12	21/6	1,04,925
2012-13	15/1	3,00,000
2013-14	-	-
2014-15	-	-

   b) Internet facilities for staff and students: **Yes**

   c) Total no. of computers (configuration wise I3-I4/ etc, Laptops, etc.): **25**

   d) Total number of class rooms: **04**

   e) Class rooms with ICT facility: **01**

   f) Students' laboratories: **Synthesis, Analysis and Networking Laboratory**

g) Research laboratories:

Name of the Laboratory	Instrument/ equipment details	Capacity	Type (Research/Teaching)
Materials Processing Lab I (01)	Furnaces, PECVD, Compression moulding machine	10	Research
Materials Analysis Instron (02)	Universal testing machine- Instron	05	Research & Practical's
Materials Processing Lab II (03)	High temperature furnace, centrifuge, extruder, Drier	10	Research & MSc Project
Instrument Lab I (103)	Thermal analysis, IR analysis, SEM, Particle size analyzer, Micro hardness tester…	10	Research & MSc Practicals and Project
Instrument lab II (106)	Raman Spectrophotometer	05	Research & MSc Project
Instrument lab III (107)	BET surface area analyzer	02	Research & MSc Project
Research Lab I (108)	Autoclave, centrifuge, vacuum oven…	05	Research & MSc Project
Research Lab II (109)	GC analyzer & Izod impact tester	10	Research & MSc Project
MSc Final (MS/NST) Lab (101)	Flame photometry, autoclave	10	Research & MSc Practicals and Project
MSc (MS/NST) Lab I (201)	Lab-1	10	Research & MSc Practicals
MSc (MS/NST) Lab II (204)	Lab- II	10	Research & MSc Practicals
Networking Lab (207)	Computer lab	10	MSc
Laboratory (213)	Chemical lab	06	Research lab

39. List of doctoral, post-doctoral students and Research Associates:

a) from the host institution/university

Doctoral students:

2010-15

1. **Mr Milan Vyas, Supervisor: Prof LM Manocha.**
2. **Mr Valay Solanki, Supervisor: Prof Mrs S Manocha.**

3. **Ms Arpana Basak, Supervisor: Prof Mrs S Manocha.**
4. **Mr Pratipalsinh Rayjyada, Supervisor: Prof LM Manocha.**
5. **Mr KS Patel, Supervisor: Dr Miss RH Patel.**
6. **Mr AV Hirani, Supervisor: Dr Miss RH Patel.**
7. **Mr BR Patel, Supervisor: Dr Miss RH Patel.**
8. **Mr VR Sevkani, Supervisor: Dr Miss RH Patel.**

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	02	-	-
2011-12	-	-	01
2012-13	-	-	05
2013-14	01	-	03
2014-15	01	01	03
Total	04	01	12

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2011-12	Ms Twisampati Arunava Bhandari	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2012-13	Mr Bharatkumar Chunilal Prajapati Mr Chandreshkumar Tulsibhai Limbasiya		
3	2013-14	Mr Abhijnan Asiskumar Chowadhuri		
4	2014-15	Mr Siddhant Hitesh Pathak		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

    After the discussion in D-IQAC (Department level IQAC committee) and board of studies meeting.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) does the department utilize the feedback? **Yes, all the faculties are involved.**

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes, analysing the feedback forms obtained from the students**

    c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Suggestions obtained from alumni and**

employers are taken into consideration during the revision of the syllabi in board of studies meetings, during the allocation of project work to the MSc students.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr Chetan Panchal	Engineering Manager, First Solar Company, Malaysia.	MSc Materials Science	2003
Dr Bharat K Patel	Proprietor, Kanha Industries, Baroda	MSc Materials Science	2008
Dr Jignesh Panchal	Assistant Manager	MSc Materials Science	2003
Dr Hiren Bhatt	Associate Professor, GAU, Anand	MSc Materials Science	1995
Dr Ashish Warrier	UK	MSc Materials Science	2004
Dr Hitesh B Patel	R & D officer, GNFC	PhD Materials Science	2009
Dr Jignesh Valand	Research Associate, UK	MSc Materials Science	2005
Dr Mayanak D Shah	Assistant Manager	PhD Materials Science	2015
Dr Ashvin D Patel	Principal, CHARUSAT Engg. college, Changa	MSc Materials Science	2011
Dr Harshad Patel	Assistant Professor	MSc Materials Science	2010

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Sr. No.	Name & Address of the experts/eminent persons invited	Topics/Subject of Lectures delivered	Date of Lectures arranged
1.	Dr HC Bajaj, MS University, Vadodara	Carbon Nanomaterials	30/09/2011 (1 Lect.)
2.	Dr PM Raole, IPR, Gandhinagar	Materials Characterizatin Technician	30/09/2011 (1 Lect.)

Sr. No.	Name & Address of the experts/eminent persons invited	Topics/Subject of Lectures delivered	Date of Lectures arranged
3.	Mr JK Das, Naskar & Co. Hawarh (West Bengal)	Furness Materials & Construction	18/10/2011& 19/10/2011 (2 Lects.)
4.	Dr M Singh	Materials for sustainable socitey	19/02/2013
5.	Dr Arvind Saxena	Preparation of new self curing SIC precursor and its applications	19/02/2013
6.	Dr Ing Paolo Colombo	Porous Ceramics and Advanced Ceramic Components	19/02/2013
7.	Dr Hasan Mandal	New development in Sialon Ceramics	19/02/2013
8.	Dr VK Rattan, Dean, Engineering Faculty, Panjab University, Chandigadh.	Eco Friendly Low Cost Adsorbents from Industrial Wastes	16/08/2013 (1 Lects.)
9.	Dr RB Mathur, Scientist G, NPL, Head Division of Physics & Engineering, New Delhi	Quest for Green Energy - CSIR Initiatives	03/10/2013 (1 Lects.)
10.	Prof Walter Krenkel,University of Bayreuth,Germmany	Carbon/Carbon Composites for Tribo Application	17/01/2013 (1 Lect.)

45. List the teaching methods adopted by the faculty for different programmes.

Innovative teaching methods include classroom quizzes, discussion, assignments, computer / multi-media aided learning seminar presentations, small projects, report writings, interviewing people, preparing PPTs, invited guest lectures, and arranging study tours.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Regular assessment system like Quiz, seminar, internal test, projects and external test are used for the monitoring of the programme objective and learning outcomes.

Every year few of the MSc students clear GATE examination.

Majority of the students are absorbed in different industries.

47. Highlight the participation of students and faculty in extension activities.

- **Research students go to different Government schools to teach science subject to the students.**
- **Community Science Centre activities**
- **Youth festival organized by university**

48. Give details of "beyond syllabus scholarly activities" of the department.

   - **Department organizes quiz competition.**
   - **Seminar topics selected by the students are out of the syllabus.**
   - **Interested students go for industrial training in vacation.**
   - **Industrial visit is organized for the student.**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

   Industrial problems are solved. Industrial testing of industrial products like analysis by UTM, SEM, UV, etc. is carried out. Involved in national level projects work.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Availability of Sophisticated instruments for innovative research.** • **Providing laboratory facilities to the engineering students for their project works.** • **MSc and research students are trained to build up challenging leadership.**

Weaknesses
• **Vacancies in teaching and support staff due to pending clearance from Government.** • **Importance of the interdisciplinary aspects of science in different fields among students and parents is lacking.**

Opportunities
• **Students have ample scopes to get admission in higher studies, getting job in different departments of various industries.**

Challenges
• **To convince the students, parents about the importance of interdisciplinary aspects of materials science.** • **Lack of faculty members, thereby to maintain the standard of teaching and research.**

52. Future plans of the department.

   To produce highly qualified students with an ability to adopt and progress in the rapidly advancing fields with scientific approaches.

6. DEPARTMENT OF MATHEMATICS

1. Name of the Department: **Mathematics**

2. Year of the Establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes offered: **MSc, MPhil & PhD.**

5. Interdisciplinary programmes and departments involved: **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **NA**

7. Details of programmes discontinued, if any, with reasons: **NA**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments. **MCA , CISST**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**03**
Associate Professor	**02**	**02**	**03**
Assistant Professor	**08**	**07**	**03**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
AB Patel	**MA, PhD**	**Professor, Head**	**Functional Analysis, Operator Theory**	**30**	**MPhil :03 PhD :01**
AH Hasmani	**MSc, PhD, UGC-CSIR-JRF**	**Professor**	**General Relativity, Algebraic Computations in GR, Differential Equations**	**24**	**MPhil : 04 PhD : 02**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
HV Dedania	MSc, PhD	Professor	Harmonic Analysis, Banach Algebras, Financial Mathematics	18	MPhil : 05 PhD : 01
GB Deheri	MSc, PhD	Asso. Prof.	Tribology (Lubrication Theory), Sequence Spaces	30	MPhil : 04 PhD : 05
DJ Karia	MSc, MPhil, PhD, UGC-CSIR-JRF	Asso. Prof.	Banach and Topological Algebras	25	MPhil : 02
HS Mehta	MSc, PhD, UGC-CSIR-JRF	Asso. Prof.	Function Algebras, Function Spaces, Graph Theory	24	MPhil : 03
PA Dabhi	MSc, PhD, UGC-CSIR-JRF	Asstt. Prof.	Harmonic Analysis, Banach Algebras, Functional Analysis	-	MPhil : 01
SJ Ghevariya	MSc, MPhil, PhD, UGC-CSIR-JRF	Asstt. Prof.	Analysis, Financial Mathematics	-	-
JM Patel	MSc, UGC-CSIR-JRF	Asstt. Prof.	Functional Anaylsis	-	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/ Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
SJ Bhatt	Emeritus Professor	Department of Mathematics, SPU	2014-16
AA Shaikh	Visiting Fellow UGC-SAP-DRS (II)	Department of Mathematics, University of Burdwan, Burdwan	26/12/2011 to 04/01/2012

13. Percentage of classes taken by temporary faculty – programme-wise information:
NA

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
MSc	2010-11	164/10 16.4
	2011-12	188/9 20.8
	2012-13	177/9 19.6
	2013-14	216/9 24:1
	2014-15	285/9 31:1
MPhil	2010-11	12
	2011-12	04
	2012-13	06
	2013-14	05
	2014-15	03
	2015-16	06

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**02+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies **SAP-II (01-04-2009 to 31-03-2014) : Analysis, Geometry and Applications ,SAP-III (01-04-2015 to 01-04-2020): Analysis**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
DST-FIST	**DST**	-	-
UGC-SAP-DRS (Phase-II)	**UGC**	**59.75 lakh**	**Apr 2009 to Mar 2014**
UGC-SAP-DRS (Phase-III)	**UGC**	**116.00 lakh**	**Apr 2015 to Mar 2020**

20. Research facility/centre with State, National and International Recognition:

Research Facility	State/National/International Recognition	Year
Regional Library in Mathematics (Western Region)	**National Board for Higher Mathematics, Department of Atomic Energy, GoI**	**Since 2001**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

    (a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	**07**	**00**	**07**
2011-12	**04**	**02**	**02**
2012-13	**15**	**04**	**11**
2013-14	**10**	**04**	**06**
2014-15	**00**	**00**	**00**
Total	**36**	**10**	**26**

    (b) Monographs: **Nil**
    (c) Chapters in Books: **Nil**
    (d) Edited Books: **Nil**
    (e) Books with ISBN with details of publishers: 0**7**
    (f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**
    (g) Citation Index – range/average: **Nil**
    (h) SNIP: **Nil**
    (i) SJR: **Nil**
    (j) Impact Factor – range/average: **Nil**
    (k) h-index:

Sr No.	Name	h-index	
		Over All	Since 2011
1	**A B Patel**	**03**	**02**
2	**A H Hasmani**	**03**	**03**
3	**H V Dedania**	**06**	**04**
4	**D J Karia**	**04**	**02**
5	**P A Dabhi**	**03**	**03**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

Name of Faculty	Year of Visit	Laboratories / institutions/industries	
		National	International
H V Dedania	2012	-	EPSRC-DST scoping meeting in Applied Mathematics
A H Hasmani	2014	Department of Mathematics, University of Burdwan, Burdwan.	-

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
S J Bhatt	Library Committee	National Board for Higher Mathematics, Department of Atomic Energy	-
SJ Bhatt	Advisory Committee (UGC Nominee)	UGC nominated Member, Advisory Committee for UGC-SAP to Department of Mathematics, Indian Institute of Sciences, Bangalore	2006-2011
SJ Bhatt	Editorial Board	Journal: Mathematics Today	Since
SJ Bhatt	Advisory Committee	Journal: Mathematics Student (Indian Mathematical Society)	Since
AB Patel	Editorial Board	Journal: Mathematics Today	2015
AH Hasmani	Editorial Board	Journal: Mathematics Today	2015
AH Hasmani	Member	Preparation of Fundamental Glossary of Mathematics (English-Hindi-Gujarati) by Commission for Scientific and Technical Terminology, MHRD, Government of India, New Delhi.	Since 2013
PA Dabhi	Member	Preparation of Fundamental Glossary of Mathematics (English-Hindi-Gujarati) by Commission for Scientific and Technical Terminology, MHRD, GoI, New Delhi.	Since 2013

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
DJ Karia	Library Committee	National Board for Higher Mathematics, Department of Atomic Energy	-

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: **7**
- percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by

- **Faculty:**

Name of Faculty	Awards/Recognitions Given by	Year
SJ Bhatt	Indian Mathematical Society (Hans Raj Gupta Award)	2010
GM Deheri	Saurashtra Univerasity (Dolarrai Mankad Award)	2010
SJ Bhatt	Gujarat Ganit Mandal (A.R. Rao Research Award)	2014

- **Doctoral / post doctoral fellows:**

Name of Doc/Post Doc.	Awards/Recognitions Given by	Year
Mhaveer Shekhavat (Research Scholar)	Awarded the 3rd Prize for the presentation of Research at ISSRCM held at Sardar Patel University.	2011
Bhavyata Patel (Research Scholar)	presented a paper (Postar) in Gujarat Science Congress held at CHARUSAT, Changa; this poster was awarded a prize.	2013

- **Students:**

Name of Student	Awards/Recognitions Given by	Year
Asmabanu Rajavada (MPhil)	**Maulana Azad National Fellowship by the University Grants Commission.**	**2011**
Nilesh Sonara (MPhil)	**Rajiv Gandhi National Fellowship by the University Grants Commission.**	**2011**
Mr Vatsal Mer	**1st Prize Minaxi Lalit Science (Gujarat Science Congress)**	**2014**
Dixa Trivedi	**2nd prize Minaxi Lalit Science (Gujarat Science Congress)**	**2014**
Ajay Patani	**1st Prize Minaxi Lalit Science (Gujarat Science Congress)**	**2011.**
Asmabanu Rajawada (MSc)	**UGC Rank Holder Fellowship by the University Grants Commission.**	**2010**
Zankhana Mali	**Awarded National Fellowship for Students of Other Backward Classes (OBC) to pursue MPhil Degree**	**2015**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments.

    As per the University guidelines framed from time to time.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	**Female**	**Male**	**Female**
MSc					
2010-11	**142**	**53**	**40**	**33**	**67**
2011-12	**231**	**57**	**60**	**-**	**-**
2012-13	**156**	**50**	**68**	**48**	**52**
2013-14	**387**	**71**	**98**	**38**	**62**
2014-15	**250**	**-**	**-**	**45**	**55**

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSc	47.03	51.92	0.88	0.17
MPhil	95.00	05.00	0	0
PhD	90.91	09.09	0	0

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	Number of Students	NET	SET	GATE	Others
2010-11	06	06	-	-	-
2011-12	08	04	-	04	-
2012-13	03	03	-	-	
2013-14	05	01	01	02	01 (NBHM)
2014-15	06	06	-	-	-

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	08
PG to PhD	01

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	38
from other universities within the State	50
from universities from other States	12
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **1 faculty had been awarded for PhD.**

38. Present details of departmental infrastructural facilities with regard to

   a)   Library: **NBHM Regional Library (around 8,000 Books and 50 Journals with back volumes)**

      1. **NBHM/SAP**

Year of Development	No. of Books Programme wise		Fund/Budget allotted in specific year	
	NBHM	**SAP**	**NBHM**	**SAP**
2010-11	387	133	8.27	4.00
2011-12	208	237	4.48	4.00
2012-13	146	99	5.00	4.00
2013-14	158	77	5.47	4.00
2014-15	325	-	1.20	-

      2. **UGC**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	45/0	48,972
2011-12	328/0	10,12,544
2012-13	350/0	4,00,000
2013-14	253/0	8,63,479
2014-15	180/1	4,25,558

   b)   Internet facilities for staff and students:

   - **Each the faculty and office staff is provided desktop computer with printer along with internet connection with an access to InflibNet resources.**
     Each Full-Time PhD student is provided desktop computer with internet connection with an access to InflibNet resources; also a sharing printer is provided.
   - **For MPhil Students separate computer facility with internet connection is created in the library.**
   - **For MSc students a Cyber Room is created where they can have internet access.**
   - **Over and above students and staff can avail internet facility on their Laptop computers using WiFi from the Bhaikaka Library.**

   c)   Total number of class rooms: **05**

   d)   Class rooms with ICT facility: **All the class rooms, seminar room and Assembly Hall are fitted with Multimedia projectors and LAN connection for internet access. One class room and a seminar room has interactive board also.**

   e)   Students' laboratories: **02**

   f)   Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

   a) from the host institution/university

   Doctoral students
   2011-12

   1. **Shaker Al-Zouraiki, Suervisor: Patel AB and Bhatt SJ**

   2012-13

   2. **Adnan K. Al-Salihi, Suervisor: Hasmani AH**

   2013-14

   3. **ND Abhangi, Suervisor: Deheri GB**

   2014-15

   4. **Snehal Shukla, Suervisor: Deheri GB**
   5. **Mukesh Shimpi, Suervisor: Deheri GB**
   6. **Sanjay Ghevariya, Suervisor: Dedania HV**
   7. **VG Khambholja, Suervisor: Hasmani AH**

   b) from other institution/university

Student Name	Year of Completion	Doctoral, Post-Doctoral and Research Ass.
Shaker Al-Zouraiki	2011	PhD
Adnan K Al-Salihi	2013	PhD

   Please do refer Volume-II and URL:
   http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	05	05	12
2011-12	05	01	04
2012-13	03	02	17
2013-14	05	09	35
2014-15	02	09	45
Total	20	26	113

   Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Mr Manish Kumar Pandey		
3	2012-13	Mr Chetnsinh Chhatrasinh Bharpoda	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
4	2013-14	Ms Zankhna Jagdishchandra Mali		
5	2014-15	Ms MitaliPankajsinhSolanky		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

    Whenever the new programmes and new courses are to be introduced the issues are discussed in the departmental meetings as well as meetings of the faculty in small groups.

42. a. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes,

    a) how does the department utilize the feedback? **The faculty gives informal feedback on the content and implementation of the courses offered which is used for the further revision/modification of the course.**

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **The informer feedback from the students is communicated to faculty members for the improvement.**

    c) alumni and employers on the programmes offered and how does the department utilize the feedback? **The feedback obtained is discussed among the faculty and also in the Board of Studies.**

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
VD Pathak	**Ex-Pro Vice-Chancellor, Ex-Dean, Faculty of Technology and Ex-Head, Department of Applied Mathematics, Faculty of Technology, The MS University of Baroda, Vadodara**	**PhD**	**-**
Naresh Dadhich	**Ex-Director, Inter University Centre for Astronomy and Astrophysics, Pune**	**MSc**	**-**
Shaker Al-Zouraiki	**Dy. Vice-Chancellor, Al-Baidah University, Yemen**	**PhD**	**2010**
SK Vaidya	**Professor, Department of Mathematics, Saurashtra University, Rajkot**	**MSc**	**-**
HC Patel	**Professor, Department of Mathematics, L.D. College of Engineering and Former In Charge Registrar, Gujarat University, Ahmedabad**	**MSc**	**-**
NY Patel	**Head, Department of Mathematics, VP and RPTP Science College, Vallabh Vidyanagar**	**MSc**	**-**
BP Patel	**Head, Department of Mathematics, NV Patel College of Pure and Applied Science, Vallabh Vidyanagar**	**MSc**	**-**

Name of Alumni	Present Profession	Programme Offered	Year of Passing
DH Patel	**Head, Department of Mathematics, MB Patel Science College, Anand**	**MSc**	**-**
VR Shah	**Head, Department of Mathematics and Humanities, GH Patel College of Engineering and Technology, Vallabh Vidyanagar**	**MSc**	**-**
DJ Prajapati	**Head, Department of Mathematics, MB Institute of Information and Communication Technology, Vallabh Vidyanagar**	**MSc**	**-**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

    - **Usual Black-board method. In some of the class rooms an innovative idea of sliding boards useful for long mathematical derivation has been introduced.**
    - **Computer aided projection to replace the black-board which provides better legibility and enhances the presentation by incorporating graphics.**
    - **Some of the faculty members have prepared Lecture Note which is given in advance, students come prepared with the topics during lectures the topics are discussed in further details.**
    - **Problem solving is an essential tool for learning mathematics. The department has introduced courses on Problem Solving and exercises in Mathematics at MSc and MPhil level; in teaching of these courses more than one teacher are involved.**
    - **The department has introduced courses on Mathematics Education which is aimed at preparing students for teaching mathematics. In this course students are encouraged to prepare seminars using internet resources and computer aided presentation.**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? **Departmental Committee &Feedback from the peers (SAP Advisory Committee, Visitors)**

47. Highlight the participation of students and faculty in extension activities.

    Sky gazing, National Level Test Centre and AR Rao Talent Search Test.

48. Give details of "beyond syllabus scholarly activities" of the department.

    Vacation Training.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Nil**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Strong teaching program covering courses from Pure Mathematics, Applied Mathematics and Applicable Mathematics.   **Commitment of the teachers for serious research and teaching.**   **Good library and computational facilities.**   **Number of Students seeking admission from other universities is very large.**
Weaknesses
Vacant faculty position due to pending clearance from Government.
Opportunities
To develop new teaching programs in the field of Computational Mathematics.
Challenges
Teacher vs Student ratio becoming very small makes it difficult to address individual student.

52. Future plans of the department.

The department may like to start the following programmes for training men power:

Advanced certificate courses:

- **Advanced certificate course in Problem Solving in Mathematics for motivated and talented students to train them for a career in Higher Mathematics at research level by clearing National tests like CSIR-NET-JRF, NBHM, JEST, GATE etc.**
- **A certificate course in Mathematics Education for Mathematics teachers/would be Mathematics Teachers at high schools and colleges levels to train them in problem posing and problem solving in school/college level mathematics as well as in cultural aspects of development and practice of mathematics.**
- **Advanced certificate course in Mathematical Software.**

Summer Research Fellowship:

- **The department aims to introduce a summer/vacation research fellowship programme for motivated BSc/MSc students to give them on hand research exposure by working an appropriate short term research project.**
- **The department would like to actively get involved in national mathematics training programmes being organized by NBHM. This includes programmes like Annual Foundation Schools, Advance**

Training in Mathematics Schools and Mathematics Training and Talent Search Programmes.

Visitors Programmes:

- **The faculty of the department have individually developed collaborative research with mathematicians from aboard as well as scientist from national institutes. This has resulted in joint publications. To strengthen collaborative research further, the department would like to develop a strong visitor's programme inviting mathematicians for short term/ long term visits. Besides collaborative research the programme would include lecture series by the visitors.**

Annual Bhatnagar Awardee Seminars:

- **This is a unique proposal by department. Bhatnagar awards awarded by CSIR are most prestigious scientific award recognizing research of highest standard. With a view to percolate the mathematical research of Bhatnagar Awardees to a motivated wider group of young mathematicians drawn from through out India, the department intends to install annual Bhatnagar Awardees seminar in mathematics inviting the Bhatnagar awardees to conduct these seminars. Their lectures would be preceded by workshops aimed at preparing the audience at the appropriate level for a meaningful exposure to Bhatnagar awardees lectures.**

Problem Solving Workshops:

- **Since the inception of the SAP-I, the department has been regularly organizing annual problem solving workshop for students preparing for a career in higher mathematics. The department would like to continue this activity. This will be to 10 to 15 days workshops for MSc students drawn from western India to train them in mathematical problem solving. In fact the department has created an e-platform ugcmathnet@yahoogroups.com (being coordinated by Dr DJ Karia) for discussion of mathematical problems involving students preparing for NET-JRF/NBHM tests. The department has designed a booklet on Problem Solving in Mathematics, which is electronically supplied to all applicants of the workshop. The department would like to further strengthen this activity.**

Promotion of Interdisciplinary Research:

- **The department would organize conferences in thrust areas as usual. Besides this the department envisages to organize discussion meetings on various inter disciplinary areas involving mathematics and sciences. This could include topics like nonlinear dynamics and biology, quantum theory and non-commutative geometry, mathematical modelling in defence science, mathematics and finance, computational aspects in gravitational theories, quantum computing. The objective is to contribute to the development of inter disciplinary research.**

7. DEPARTMENT OF PHYSICS

1. Name of the Department: **Physics**

2. Year of the Establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

    Yes. Faculty of Science.

4. Names of programmes offered: **MSc, MPhil & PhD.**

5. Interdisciplinary programmes and departments involved: **CISST.**

6. Courses in collaboration with other universities, industries, foreign institutions, etc. : **Nil**

7   Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments.

    Some of the faculty members (Prof PC Vinod Kumar, Prof GK Solanki & Prof SH Chaki) are involved in sharing the teaching workload of other department.

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**05**	**-**	**09**
Associate Professor	**07**	**06**	**-**
Assistant Professor	**04**	**04**	**01**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Prof UH Patel	**MSc, PhD**	**Professor**	**Condensed Matter Physics (X-Ray Crystallography)**	**29**	**PhD : 01 MPhil : 06**
Prof PK Garg	**MSc, PhD**	**Professor**	**Crystal Growth & Characterization**	**34**	**-**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Prof PC Vinodkumar	MSc, PhD	Professor	Theoretical (Hadron Physics)	26	PhD : 04 MPhil : 05
Prof VM Pathak	MSc, PhD	Professor	Condensed Matter Physics (Thin Film & Semi-conductor Devices)	27	PhD : 04 MPhil : 03
Prof MP Deshpande	MSc, PhD	Professor	Condensed Matter Physics (Crystal Growth & Characterization)	25	PhD : 06 MPhil : 04
Prof BY Thakore	MSc, PhD	Professor	Condensed Matter Theory	24	PhD : 03 MPhil : 03
Prof KD Patel	MSc, PhD	Professor	Condensed Matter Physics (Thin Film & Semi-conductor Devices)	23	PhD : 04 MPhil : 03
Prof GK Solanki	MSc, PhD	Professor	Condensed Matter Physics (Crystal Growth & Characterization)	22	PhD : 05 MPhil : 03
Prof SH Chaki	MSc, PhD	Professor	Condensed Matter Physics (Crystal Growth & Characterization)	24	PhD : 03 MPhil : 05
Dr NK Bhatt	MSc, PhD	Assistant Professor	Condensed Matter Theory	08	PhD : 01 MPhil : 03

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Visiting fellows / Guest faculty invited for delivering lectures

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of Scheme under which guest was invited
1	Dr Manoj Komath	10/02/2010	Biomedical Technology	Shri IA Patel (Shertha) visiting professor/fellow programme
2	Prof LP Deshmukh	16/02/2010	Advances in Thin film Technology	Shri IA Patel (Shertha) visiting professor/fellow programme

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of Scheme under which guest was invited
3	Prof Ashok Das	18/12/2010	Quantum Mechanical Description of Pseudohermitian Hamiltonains	Shri IA Patel (Shertha) visiting professor/fellow programme
4	Dr Anil Bhardwaj	06/01/2011	The Solar System and Science from the Chandrayaan-1 Mission	Shri IA Patel (Shertha) visiting professor/fellow programme
5	Dr Alexander Kluge	25/01/2011	Electronics at the Large Hadron Collider experiment	Shri IA Patel (Shertha) visiting professor/fellow programme
6	Prof SVG Menon	04/02/2011 05/02/2011	1.State of Matter at Extreme Conditions 2.Phase Transitions and Critical Phenomena	Shri IA Patel (Shertha) visiting professor/fellow programme
7	Dr SK Basu	08/11/2011	Oceanogaphic Physics-studies in modelling	Shri IA Patel (Shertha) visiting professor/fellow programme
8	Prof AD Yadav	24/01/2012	Synthesis of surface/buried layers by ion implantation for semiconductor devices	Shri IA Patel (Shertha) visiting professor/fellow programme
9	Prof SV Kumar	22/10/2012	What has low energy electrons to do with radiation therapy?	Shri IA Patel (Shertha) visiting professor/fellow programme
10	Prof Rajaraman Ganesh	29/12/2012	Plasma physics at IPR : Research, Application and scope	Shri IA Patel (Shertha) visiting professor/fellow programme
11	Prof Ratan Sing Bisht	29/12/2012	Electro-optical payload development for remote sensing at space application centre	Shri IA Patel (Shertha) visiting professor/fellow programme
12	Prof E Arunan	26/11/2013	Molecular beam microwave Specroscopy: understanding hydrogen bonding and defining carbon bonding	Shri IA Patel (Shertha) visiting professor/fellow programme
13	Dr T Shripathi	03/03/2014 04/03/2014	1.X=Ray Photoelectron Spectroscopy in	Shri IA Patel (Shertha) visiting

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of Scheme under which guest was invited
			Research 2.Elementry introduction to X-Ray Photoelectron Spectroscopy	professor/fellow programme
14	Dr E Suresh	03/03/2014	X-Ray Crystallography	Shri IA Patel (Shertha) visiting professor/fellow programme
15.	Prof Velmurgan	07-09/03/2014	Small molecule to protein Crystallography	UGC Exchange Prog.

13. Percentage of classes taken by temporary faculty – programme-wise information: **Nil**

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
MSc	2010-11	13:1
	2011-12	15:1
	2012-13	22:1
	2013-14	23:1
	2014-15	22:1
MPhil	2010-11	1.25:1
	2011-12	1:1
	2012-13	1.3:1
	2013-14	0.6:1
	2014-15	1.2:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	07	05	05
Administration	07	07	04+02 (contractual)

16. Research thrust areas as recognized by major funding agencies: **Condensed Matter Physics.**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Sr. No	Name of Investigator/s	Title of project	Funding agency	Amount Sanctioned	Month and Year of sanction	Month and year of receipt of the first instalment
1	Dr NK Bhatt (PI)/ Prof AR Jani (CI)	"Vibrational response and phase transition in certain non-simple metals and alloys covering wide range of densities "	UGC, New Delhi	₹ 9,76,800 Sanctioned: ₹6,82,800 F. No. 42-771/2013(SR)	14/03/2013	Mar-2013
2	Prof MP Deshpande	Synthesis and characterization of V_2- VI_3 compound in single crystal/nanomaterial/thin film forms	UGC, New Delhi	₹ 11,16,800 Sanctioned letter F. No. 42-826/2013(SR)	22/03/2013	Mar-2013
3	Dr NK Bhatt(CI)	Theoritical Modelling for Aerosol Retrieval over land from Nemo-AM observations	SAC, ISRO, Ahmedabad	₹ 8,80,000 Sanctioned letter SAC/EPSA/BPSG/ EHD/TDP-R&D/WP/2015/1	05/08/2015	Aug-2015

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

a) National collaboration : **DAE/BRNS, ISRO (refer the table shown below)**

b) International collaboration **:**

Sr. No.	Name of Investigators	Title of project	Funding agency	Amount Sanctioned	Month and Year of sanction	Month and year of receipt of the first installment
1	**SH Chaki/ MP Deshpande Co-Collaborator Dr Manmeet Kaur**	**Synthesis and characterization of Tin monosulphide thin films, nanoparticles and single crystals for optoelectronic devices**	**DAE-BRNS**	**₹24,49,000 Sanctioned letter No. 2010/34/34 /BRNS with ATC, BRNS**	**13/12/2010**	**Dec-2010**
2	**MP Deshpande / AR Jani Co-Collaborator Dr Rekha Rao**	**Raman Spectroscopy and Resistivity studies of semiconductors under pressure**	**DAE-BRNS**	**₹24,61,250 Sanctioned letter No. 2010/34/39 /BRNS with ATC, BRNS**	**06/01/2011**	**Jan-2011**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
DST/FIST	**DST New Delhi**	**₹ 1,35,00,000 SR/FIST/105/2006 dated 20/12/2006**	**2006-2011**
DSA/SAP	**UGC New Delhi**	**₹ 88,10,000 F. 530/1/DSA/2012 (SAP-I) dated 30/03/2012**	**2012-2017**

20. Research facility/centre with State, National and International Recognition **: UGC DRS-SAP, DSA-I, DST-FIST-I**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	24	00	24
2011-12	38	09	29
2012-13	71	01	70
2013-14	59	02	57
2014-15	16	02	14
Total	208	14	194

b) Monographs: **01**

c) Chapters in Books: **Nil**

d) Edited Books: **Nil**

e) Books with ISBN with details of publishers: **Nil**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

g) Citation Index – range/average: **Nil**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average: **Nil**

k) h-index: **Range 04-12**

	Citation	h-index
Prof UH Patel	84	05
Prof PC Vinodkumar	424	12
Prof VM Pathak	128	06
Prof MP Deshpande	228	07
Prof BY Thakore	84	05
Prof KD Patel	76	04
Prof GK Solanki	93	06
Prof SH Chaki	224	05
Dr NK Bhatt	44	04

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated Technical advice provided for various electronic and Renewable energy Based Projects.

Sr. No	Area of consultancy	Consultancy Charge					Total Consultancy Charge (₹)
		Year 2010-11	Year 2011-12	Year 2012-13	Year 2013-14	Year 2014-15	
01	Technical advice provided for various electronics and renewable energy based projects	43,420	52,200	30,100	67,600	26,000	2,19,320
02	Performance analysis of small and large scale wind mills with wind velocity	3,000	-	-	-	-	3,000
03	XRD Analysis	-	900	-	1,800	-	2,700
						Total : 2,25,020	

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil.**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify):

   Nil.

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

   Please do refer Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects:

   - percentage of students who have done in-house projects including inter-departmental projects: **100 [MSc Final students]**
   - percentage of students doing projects in collaboration with other universities/industry/institute: **Nil.**

29. Awards/recognitions received at the national and international level by

• Doctoral Fellows

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
Jul 2010- Jun 2011						
1	**RA Barot**	**"Synthesis, characterization and biological activity of third polymorph of Sulfamerazine and its transition metal complexes"**	**Feb 2011**	**Seminar best paper presentation competition**	**National conference on "Recent Trends in Theoretical and Experimental Physics NCRTTEP-2011" on Feb. at VP & RPTP Science college, Vallabh Vidyanagar.**	**National**
2	**Shyam Khambholja**	**High pressure structural phase transition in Cdo**	**18-19 Feb 2011**	**Oral**	**National conference on "Recent Trends in Theoretical and Experimental Physics NCRTTEP-2011 at VP& RPTP Science college, Vallabh Vidyanagar.**	**National**
3	**Nitya Garg**	**CdSe nanoparticles synthesized by chemical route and their characterization (poster)**	**Jan.- 2011**	**Seminar best paper presentation competition**	**One day Seminar on " Innovations in Collegiate Science Education and Research" held at VP & RPTP Science college, VV Nagar on 8th Jan 2011.**	**National**

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
4	SV Bhatt	Second prize in paper presentation for paper on "Chemical Synthesis and characterization of Lead Sulfide (PbS) nanoparticles and nanocrystalline thin films" (oral)	Jan 2011	Seminar best paper presentation competition	One day Seminar on " Innovations in Collegiate Science Education and Research" held at VP& RPTP Science college, VV Nagar on 8th Jan 2011.	National
5	NN Pandya	One of the best poster on "Synthesis of ZnS nanoparticles by Inverse Micellar method and its characterization"	Feb 2011	Seminar best paper presentation competition	State level Seminar on Condensed Matter Physics with Nano-Science Flavours, organized by Department of Physics, Sardar Patel University on Feb 4th , 2011.	National
Jul 2011- Jun 2012						
6	RA Barot	Molecular docking studies of few pyrrole derivatives	Jan 2012	Seminar best paper presentation competition	Two day symposium on INNOVATIONS IN SCIENCE-SPU RESEARCH SCHOLAR MEET (ISSPURSM-2012) 8-9th JAN, 2012. SPU VV Nagar.	National

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
7	Pallavi Sakariya	Paper on "Characterization of Bi_2S_3 nanorods prepared at room temperature" won third prize	Jan 2012	Seminar best paper presentation competition	symposium of innovations in science – SPU Research Scholars Meet (ISSPURSM – 2012), 8th – 9th Jan 2012, Sardar Patel University, Vallabh Vidyanagar. (oral)	National
8	NN Gosai	First rank in oral presentation of research paper on " Growth of $GeS_{0.25}Se_{0.75}$ single crystals and their evaluation as photoelectrochemical solar cell	Mar.-2012	Seminar best paper presentation competition	Fifth national level science symposium on recent trends in science and technology, Christ college-Rajkot	National
9	Nilesh N Pandya	"Controlled synthesis through microwave heating and structural properties of ZnS nanoparticles"	3-5 Mar 2012	Seminar best paper presentation competition	3rd National Conference on Condensed Matter and Materials Physics (CMMP-2012), Department of Physics, Sardar Patel University, Vallabh Vidyanagar, (Poster)	National
10	Shyam Khambholja	Melting curve of LiF	3-5 Mar 2012	Oral	3rd National Conference on Condensed Matter and Materials Physics (CMMP-	National

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
					2012), Department of Physics, Sardar Patel University, Vallabh Vidyanagar, (Poster)	
Jul 2012- Jun 2013						
11	SA Gandhi	Ab-intio, DFT calculations and Biological studies of crystal structure 1-[3-(2-benzyloxy-6-hydroxy-4-methyl-phenyl)-5-(3,4,5-trimethoxy-phenyl)-4, 5-dihydro-pyrazol-1-yl]-propane-1-one"	2013	Seminar best paper presentation competition	Gujarat Science Congress 2013, Charotar university of Science and Technology, (CHARUSAT) Changa – 388421	National
12	Pallavi Sakariya	Characterization of Bi_2S_3 nanorods prepared at room temperature	Nov 2012	Seminar best paper presentation competition	Seminar on Preparation and characterization of crystalline and Non crystalline Solids (PCCNCS-2012) on 2nd Nov 2012 at MS University of Baroda, Baroda (won 2nd prize in paper A)	National

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
13	KR Patel	Synthesis, characterization and application of silver nanoparticles.	Dec 2012	Seminar best paper presentation competition	One day seminar on current trends in research and application of physical science in Gujarat (CTRAPSG-2012) held in Department of Physics, Sardar Patel university, VV Nagar during 29th Dec 2012 (Selected in best 3 poster presentation)	National
14	NN Gosai	Second renk in oral presentation of paper on " Structural and thermal properties of copper doped nano crystalline tin selenide"	Jan 2013	Seminar best paper presentation competition	Sixth national level symposium on recent trends in science and technology, Christ college-Rajkot	National
15	Dr J Gandhi & Mr SN Jha (Faculty)	Solar Power Plant (1.5KWh) with dual Axial Tracking system	Apr 2013	Certificate of Appreciation	Sardar Patel University, Vallabh Vidyanagar	---
Jul 2013- Jun 2014						
15	NK Bhatt	High-T Thermodynamics of GaN:A Comparative study using mean-field theory and	13-14 Sep 2013	1st in Oral	National Conference on Novel Materials for Advanced Technology, NRI Institute	National

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
		quasiharmonic Debye model			of Research & Technology, Bhopal	
16	SM Tailor	"Solvates of 4-Amino-N-(5-methoxy-2-pyrimidinyl) benzenesulfona mide"	Nov 2013	Seminar best paper presentation competition	42nd National Seminar on Crystallography" organized by AIIMS on Nov 21-23, 2013 at Jawaharlal Nehru University, New Delhi.	National
17	SA Gandhi	Crystal Structure, Ab-initio & DFT studies and antimicrobial activities of 3-(3-chloro-4,5-dimethoxy-phenyl)-1-(4,5-dimethoxy-2-methyl-phenyl)prop-2-en-1-one (Experimental and Theoretical approach)	Mar 2014	Seminar best paper presentation competition	UGC Sponsored One Day Seminar on Condensed Matter Phys& Short Term Training School on X-Ray Diffraction Techniques	National
18	SA Gandhi	Syntheses, Molecular structures, DFT and Biological studies of 1-(3-(2-(Benzyloxy)-6-hydroxy-4-methylphenyl)-5-(phenyl)-4, 5-dihydro-1H-pyrazol-1-yl) propane-1-one	Mar 2014	Seminar best paper presentation competition	Presented orally at Department of Materiel Science on SPU Research Scholars Meet (ISSPURSM-2012) on 8-9th Jan 2012 organized by Sardar Patel University Vallabh	National

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
		and 1-(3-(2-(benzyloxy) -6-hydroxy-4-methylphenyl)-5-(3, 5-bis (trifluoromethyl) phenyl)-4, 5-dihydro-1H-pyrazol-1-yl)propaan-1-one"			Vidyanagar.	
19	RH Joshi	Shock Hugoniot and High Pressure Melting Curve for NbC	31-Jan 1-Feb 2014	1st in Oral	National Conference on Emerging trends in Engineering, Technology and Management (NCEETM-2014)" organized by Indus University, Ahmedabad, Gujarat	National
20	Sandip V Bhatt	"Effect of Composition, Pressure and temperature on the Raman A_{1g} mode in Tin mixed chalcogenide single crystals"	Feb 2014	Seminar best paper presentation competition	XXVIII Gujarat Science Congress 2014 held at Hemchandracharya North Gujarat University, Patan during 22-23 Feb 2014 (Won 3rd Poster prize).	National
21	Sanjay M Tailor		21-23, Nov 2013	Best Research paper	International Workshop on Applications of X-ray Diffraction for Drug Design Jointly organized by	International

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
					Indian C A & INSA at New Delhi	
Jul 2014- Jun 2015						
22	**Kinjal D Patel**	**Silver Complex of Sulfaphenazole Dihydrate: Synthesis, X-Ray crystal Structure and Quantum Calculation using Schrodinger Software."**	**Sep 2014**	**Seminar best paper presentation competition**	**Poster presentation NSC-43B. Dept. of Physics, Sardar Patel university, v.v nagar, Anand.**	**National**
23	**Rajni H Joshi**	**A First Principles Phonon Dynamics of Cubic Boron Nitride**	**Jan 10, 2015**	**1ˢᵗ in Poster**	**National conference Organized by University Grants Commission on "LATEST DEVELOPMENTS IN BASIC AND APPLIED SCIENCES"at MB Patel Science College, Anand (Gujarat)**	**National**
24	**N. K. Bhatt**	**Thermal Properties of Copper along SHhock Hugoniot**	**30-31 Jan 2015**	**1ˢᵗ in Oral**	**2ⁿᵈ Conference on Emerging Trends in Engineering, Technology &Management, Indus, during Indus Institute of Technology & Engineering,**	**National**

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
					Rancharda, Ahmedabad	
25	Bhavin R. Chavda, Dineshchndra D. Upadhayay, Taruna Padariya	A comparative experimental investigations for transition metal complexes [Ag]+and [Cd, Ni]++ of 4-amino-n-(4-methylpyrimidin-2-yl)benzenesulfonamide"	Jan 2015	Seminar best paper presentation competition	Poster presented in UGC Sponsored National Conference on 'Latest Developments in Basic and Applied Science' on 10th Jan, 2015 at MB Patel Science Collage, Anand.	National
26	Shreelatha Nair	Molecular docking and DFT studies of 4 -Amino-N-(6-methoxy-4-pyrimidinyl) benzenesulfonamide monohydrate (Sulfamonomethoxine Monohydrate)	Sep 2014	Seminar best paper presentation competition	Poster presentation NSC-43B. Dept. of physics, Sardar Patel University, VV Nagar, Anand	National
27	Rahul P. Dubey	SYNTHESIS, SPECTROSCOPIC CHARACTERIZATIONS, MOLECULAR STRUCTURE AND HIRSHFELD SURFACE ANALYSIS OF CADMIUM COMPLEX OF SULFATHIAZOLE	2015	Seminar best paper presentation competition	Presented in International Conference on recent trends in applied sciences: Building Institutional and Industrial Avenues", 2015 at Shri AN Patel Postgraduate Institute, Anand.	International

Sr. No.	Name of Faculty member	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
28	Sandip V Bhatt	Thesis presentation award for the Ph. D. Thesis " Raman spectroscopic investigations on transition metal dichalcogenides single crystals at high pressure and low temperature	2014	Thesis present ation	Best oral presentation in research scholar meet for annual day function at IUC-DAE Indore	National
29	Sandip V Bhatt	Raman spectroscopic investigations on transition metal dichalcogenides MX_2 (M=Mo, W and X=S, Se) at high pressure and low temperatures	2014	Seminar best paper present ation competi tion	National seminar on crystallography (NSC-43B) and national workshop on CADD, Department of Physics, Sardar Patel University.	National

- Students:

Sr. No.	Name of Student	Title of Award	Year of Award	Purpose of Award	Name of Awarding body	National/ International
1	Vanraj	PhD	2010-11		Institute of Physics, Bhuvneshwar	National
2	Joseph Joel George	First position in western vocal solo	2013-14	West Zone Youth festival	Shivaji University	National
3	Joseph Joel George	Second position in	2014-15	Inter collegiat e Youth	Sardar Patel University	Regional

		western vocal solo		festival		
4	Anand Joshi	First Position Solo Instruments	2015-16	Inter collegiate Youth festival	Sardar Patel University	Regional

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Dates	Name of Seminar/ Conference/Workshop	Source of Funding	Amt. of Fund (in ₹)	Participant Details
04/02/2011	State level Seminar on Condensed Matter Physics with Nano Science flavor- 2011 (Physics Alumni Asiociation and C. C. Patel Community Science Center, SPU)	C C Patel Community Science Center & Physics Alumina Association-SPU	35,500	70
02/03/2011	Astronomy Astrophysics & Planetary Space Science – an introductory seminar	CSC & PRL	50,000	100
07/07/2011	One day seminar on "Semiconductor Devices and Nano-Materials Characterization- A Technical Seminar"	Agilent Technologies, INDIA	-	55
11/09/2011	One day seminar on Nuclear Technology for Raising the Standard of Living	Media relation & Public Awareness section BARC, Mumbai	30,000	80
29/01/2012	Introductory Seminar on Astronomy, Astrophysics and our Earth	GUJCOST	75,000	56
3-5/03/2012	3rd National Conference on Condensed Mater and Materials Physics (CMMP-2012)	UGC, GUJCOST, CSIR, BRNS, MRSI	4,29,837	227

Dates	Name of Seminar/ Conference/Workshop	Source of Funding	Amt. of Fund (in ₹)	Participant Details
29/12/12	One day seminar on Current Trends in Research and applications of Physical Sciences (CTRAPSG-2012)	Physics Alumina Association	53,000	118
18-20/03/2014	Training workshop on the Detector and Physics Simulation for PANDA (PANDATRG2014)	DAE-BRNS	1,48,000	28
3-8/03/2014	UGC Sponsored One Day Seminar on Condensed Matter Physics (CMP-2014) & Short Term Training School on X-ray Diffraction Techniques	DSA-1 / UGC & Sponsored	4,50,000	180+20
1-3/09/2014	National Seminar on Crystallography (NSC 43B) and National Workshop on CADD	UGC, GUJCOST, INSA , IPR & Sponsored	10,00,000	103

31. Code of ethics for research followed by the departments :

- **Duplication and repetition of research work is avoided.**
- **Thorough training to research students to became independent researcher.**

32. Student progression:

Name of the Programme	Application Received	Selected		Pass Percentage	
		Male	Female	Male	Female
MSc					
2010-11	175	62	30	61	73
2011-12	291	63	43	48	74
2012-13	222	71	40	84	100
2013-14	434	69	46	81	72
2014-15	325	66	40	-	-
2015-16	349	50	63	-	-
MPhil					
2010-11	16	11	05	90	80
2011-12	18	01	03	100	100
2012-13	18	04	04	100	100
2013-14	23	05	01	100	100
2014-15	29	07	06	86	83
2015-16	48	09	01	-	-

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the state	% of students from universities outside the state	% of students from other Countries
MSc				
2010-11	8.69	89.13	2.13	-
2011-12	51.88	48.11	-	-
2012-13	33.33	66.66	-	-
2013-14	44.34	54.78	0.86	-
2014-15	44.33	51.88	2.83	0.94
2015-16	41..50	56.60	2.00	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Sr. No.	Year	Name of the examinations like UGC-NET, UGC-CSIR-NET, SLET, ATE, CAT, GRE, TOFEL, GMAT, Defense, Civil Services, other	No. of students appeared	No. of students qualified
1	2010-11	NET, GATE	-	03
2	2011-12	-	-	-
3	2012-13	NET	-	02
4	2013-14	-	-	-
5	2014-15	NET, SLET	-	02

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	-
PG to MPhil	10
PG to PhD	1 (MSc to PhD) 80 (MPhil to PhD)
Other than campus recruitment	100

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	67
from other universities within the State	22
from universities from other States	11
from universities outside the country	Nil

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

    a) Library: **Books - more than 2,500, Five Journals at Department & other are available online through IFLIBNET.**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	57/0	74,040
2011-12	68/0	2,14,722
2012-13	152/0	4,00,000
2013-14	-	-
2014-15	-	-

    b) Internet facilities for staff and students: **Yes**

    c) Total number of class rooms: **04**

    d) Class rooms with ICT facility: **04**

    e) Students' laboratories: **03**

    f) Research laboratories: **15**

39. List of doctoral, post-doctoral students and Research Associates :

    a) from the host institution/university

    Doctoral students

    2010-11

     1. **Mitesh J Joshi, Supervisor: Prof BY Thakore**
     2. **Dipika B Patel, Supervisor: Dr GK Solanki**

    2011-12

     3. **Harshit N Kothari, Supervisor: Prof KN Joshipura**
     4. **Mr Haresh S Patel, Supervisor: Prof VM Pathak**
     5. **Ajay A Majethiya, Supervisor: Prof PC Vinodkumar**
     6. **Pragna A Vadher, Supervisor: Prof PC Vinodkumar**
     7. **Mr Shyam Khambholja, Supervisor: Prof BY Thakore**
     8. **Mayurkumar M Patel, Supervisor: Prof KD Patel**
     9. **Keyurkumar S Hingarajiya, Supervisor: Prof KD Patel**
    10. **Mr Sandip R Unadkat, Supervisor: Prof GK Solanki**

    2012-13

    11. **Miss Bindiya H Soni, Supervisor: Prof MP Deshpande**
    12. **Nitingiri N Gosai, Supervisor: GK Solanki**
    13. **Mr Kiranbhai K Patel, Supervisor: KD Patel**
    14. **Arpit S Parmar, Supervisor: PC Vinodkumar**

    2013-14

    15. **Yunus Gafur Mansur, Supervisor: GK Solanki**
    16. **Ruchita R Patel, Supervisor: GK Solanki**

    2014-15

    17. **Amitkumar B Patel, Supervisor: NK Bhatt**
    18. **Ateka Vohra, Supervisor: BY Thakore**
    19. **Sahaj A Gandhi, Supervisor: Prof UH Patel**

20. Arwa Ahmed Salem Al Hattani, Supervisor: VM Pathak
21. Ebtesam Abdullah Eazzy Kadash, Supervisor: VM Pathak

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	**01**	**02**	**13**
2011-12	**01**	**0**	**03**
2012-13	**0**	**01**	**07**
2013-14	**03**	**07**	**12**
2014-15	**03**	**05**	**13**
Total	**08**	**15**	**48**

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	**2011-12**	**Mr.Ashokkuamr Meghjibhai Ms. Rinaben Bhikhabhai Shetal**	**₹10,000**	**Kashiben and Gordhanbhai Patel Scholarship**
2	**2012-13**	**Ms. Avani Rameshbhai Parmar**		
3	**2013-14**	**Ms.Parul Ashok Gupta,**		
4	**2014-15**	**Mr.PiyushkumarPravinsinh Rajput**		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **No new programme started**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback?

   Yes, all the faculty members of the department are actively involved in curriculum development.

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   Yes, suggestion regarding teaching-learning –curriculum are analyzed and implemented.

   c) alumni and employers on the programmes offered and how does the department utilize the feedback?

   Feedback of alumni are taken, which also reflect the employer's view.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing	Any Other Remarks
Manoj Komath	Srichitra Heart Institute	PhD	1985	-
G.Amrendra	IGCAR, Kolpakkam	MSc	1980	-
Vanraj Solnaki	IISc, Banglore	MSc	2008	-
Bisvajit Chakraborti	MS University, Vadodara	MSc	1988	-
Mohan Prabhu	IOL, Faridabad	PhD	1988	-
Sunanda Jha	ISRO, Ahmedabad	MSc	1982	-
KP Raju	Indian Institute of Astro Physics, Banglore	MSc	1984	-
Bobby Antoni	ISM, Dhanbad	PhD	2005	-
Rakiesh Kaneriya	ISRO, Ahmedabad	MSc	2007	-
Bhushit Vaishnav	PRL, Ahmedabad	MSc	2000	-
Sudhir Bhatt	France	MSc	2010	-
Rajnikant Bhanderi	SACS, Ahmedabad	MSc	1990	-

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of Scheme under which guest was invited
1	Dr Manoj Komath	10/02/2010	Biomedical Technology	Shri IA Patel (Shertha) visiting professor/fellow programme
2	Prof LP Deshmukh	16/02/2010	Advances in Thin film Technology	Shri IA Patel (Shertha) visiting professor/fellow programme
3	Prof Ashok Das	18/12/2010	Quantum Mechanical Description of Pseudohermitian Hamiltonains	Shri IA Patel (Shertha) visiting professor/fellow programme
4	Dr Anil Bhardwaj	06/01/2011	The Solar System and Science from the Chandrayaan-1 Mission	Shri IA Patel (Shertha) visiting professor/fellow programme

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of Scheme under which guest was invited
5	Dr Alexander Kluge	25/01/2011	Electronics at the Large Hadron Collider experiment	Shri IA Patel (Shertha) visiting professor/fellow programme
6	Prof SVG Menon	04/02/2011 05/02/2011	1.State of Matter at Extreme Conditions 2.Phase Transitions and Critical Phenomena	Shri IA Patel (Shertha) visiting professor/fellow programme
7	Dr Sujit K Basu	08/11/2011	Oceanogaphic Physics-studies in modelling	Shri IA Patel (Shertha) visiting professor/fellow programme
8	Prof AD Yadav	24/01/2012	Synthesis of surface/buried layers by ion implantation for semiconductor devices	Shri IA Patel (Shertha) visiting professor/fellow programme
9	Prof SV Kumar	22/10/2012	What has low energy electrons to do with radiation therapy?	Shri IA Patel (Shertha) visiting professor/fellow programme
10	Prof Rajaraman Ganesh	29/12/2012	Plasma physics at IPR : Research, Application and scope	Shri IA Patel (Shertha) visiting professor/fellow programme
11	Prof Ratan Sing Bisht	29/12/2012	Electro-optical payload development for remote sensing at space application centre	Shri IA Patel (Shertha) visiting professor/fellow programme
12	Prof E Arunan	26/11/2013	Molecular beam microwave Specroscopy: understanding hydrogen bonding and defining carbon bonding	Shri IA Patel (Shertha) visiting professor/fellow programme
13	Dr T Shripathi	03/03/2014 04/03/2014	1.X-Ray Photoelectron Spectroscopy in Research 2.Elementry introduction to X-Ray Photoelectron Spectroscopy	Shri IA Patel (Shertha) visiting professor/fellow programme

45. List the teaching methods adopted by the faculty for different programmes.

   PPT, Multimedia, OHP, Interactive Board, Black Board, etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

   Regular assessment system like Quiz, seminar, internal test, projects and external test are used for the monitoring of the programme objective and learning outcomes

47. Highlight the participation of students and faculty in extension activities.

   Under the umbrella of Physical Society, the students took active part in:

   - **Blood donation camp.**
   - **Youth festival organized by university.**
   - **Community Science Centre activities.**

   Faculties of the department are involved in :

   - **Giving technical advice provided for various electronic and Renewable Energy Based Projects.**
   - **Giving a lecture cum demonstration of Renewable energy based devices to Community Science Centre.**
   - **Activities in the area of astronomy including sky gazing within the state of Gujarat.**

48. Give details of "beyond syllabus scholarly activities" of the department.

   - **School on X-ray Diffraction during 3-8 March, 2014.**
   - **Students and faculties both are motivated to take part in National and International schools/workshops/seminars/conferences, etc.**
   - **Students are also encouraged to participate in summer/winter schools**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

   - **Department provide the training to the Physics students in the broad area of condensed matter physics.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Well designed syllabus based on NET syllabus.** • **Having highly equipped MSc laboratories.** • **Sophisticated research facility.** • **Expertize in specialized/focused area of research.** • **Rigorous training to the MSc and research students.**

Weaknesses
• **Industrial collaboration is not optimum.** • **Few number of student cleared competitive test.** • **Shortage of teaching staff due to pending clearance from Government.**
Opportunities
• **Good scope for academic Institutes.** • **Ample opportunities for Research   laboratories.** • **Research students have opportunities for PDF at reputed laboratories.**
Challenges
• **To maintain the standard of the department in teaching and research.**

52. Future plans of the department.

  • **To be the centre of excellence in condensed matter physics.**

8. DEPARTMENT OF STATISTICS

1. Name of the Department: **Statistics**

2. Year of the Establishment: **1961**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes **MSc (Statistics), MSc (QPM), MPhil (Statistics), PhD (Statistics & QPM), Certificate Course in SPSS, Certificate Course in Biostatistics, Certificate Course in Financial Statistics**

5. Interdisciplinary programmes and departments involved: **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc: **Nil**

7. Details of programmes discontinued, if any, with reasons.: **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments. **CIIST, Home Science, Biosciences**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**02**
Associate Professor	**03**	**03**	**01**
Assistant Professor	**03**	**02**	**02 + 04 (contractual)**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
PA Patel	MSc, MPhil, PhD	Professor & Head	i) Theory of Sample Surveys, ii) Survey Sampling Inference	31	MPhil : 00 PhD : 01
A Shanubhogue	MSc, MPhil, PhD	Professor	i) Parametric and non-parametric Inference ii) Statistical Quality Control iii) Reliability and Life Testing iv) Reliability Oriented and Non-parametric Design of Experiments	34	MPhil : 01 PhD : 05
Jyoti Divecha	MSc, PhD	Assoc. Professor	i) Design and Analysis ii) Statistical Process Control	24	MPhil : 00 PhD : 02
MB Bhatt	MSc, PhD	Assist. Professor	Statistical Inference	20	-
DP Raykundaliya	MSc, PhD	Assist. Professor	Reliability Oriented Design	09	-
Mr Nitiraj B Shete	PhD (pursuing)	Assistant Professor (contractual)	Error Control Designs	05	-
Mrs Bhumika M Manavadaria	MBA(HR)	Assistant Professor (contractual)	Human Resource	03	-
Miss Rupal C Rabari	MBA PhD (pursuing)	Assistant Professor (contractual)	Finance & HRM	03	-
Miss Mamta J Patel	MSc (Statistics)	Assistant Professor (contractual)	Biostatistics	01	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/ University/ Institution	Year of Visit
Prof David D Hanagal	Professor	Department of Statistics University of Pune Pune	Feb, 17-22, 2014

13. Percentage of classes taken by temporary faculty-programme-wise information:

List of Programme	Faculty (Permanent/Temporary)	Percentage
MSc Statistics	Temporary : Nil	
MSc (QPM)	Temporary : 04	100

14. Programe-wise Student Teacher Ratio

Programme	Years	Ratio
MSc	2010-11	14:1
	2011-12	19:1
	2012-13	17:1
	2013-14	19:1
	2014-15	21:1
M.Sc (QPM)	2010-11	30:1
	2011-12	27:1
	2012-13	24:1
	2013-14	15:1
	2014-15	18:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	01 (contractual)
Administration	02	01	02+03 (contractual)

16. Research thrust areas as recognized by major funding agencies.

Statistical Inference, Design of Experiments

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of Faculties	Project Title	National/ International	Name of Funding Agencies	Total Grant Received	Year Project Start
MB Bhatt	Inferential Problems on Non-Regular (Truncation Parameter) Family of Distributions	National	UGC	1195800	2013

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration:

Name of other Department	National/ International	Project Name	Grant Received	Year Project Start
MSW	National	Spatial Regression Analysis of Determinant of Declining Juvenile Sex Ration in Urban Gujarat with special reference to three Districts: Mehsana, Gandhinagar, and Surat	8,34,600	2013

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
UGC-SAP/CAS	UGC	₹31,50,000	2009-2014

20. Research facility/centre with State, National and International Recognition: **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	09	02	07
2011-12	03	-	03
2012-13	10	-	10
2013-14	12	-	12

Year	Number of Papers Published	National	International
2014-15	**11**	**-**	**11**
Total	**45**	**2**	**43**

b) Monographs: **Nil**

c) Chapters in Books: **Nil**

d) Edited Books: **Nil**

e) Books with ISBN with details of publishers: **03**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

g) Citation Index – range/average Range: **0.27 to 5**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average: **Nil**

k) h-index:

Faculty Name	Citation Since 2010	h-index Since 2010
Dr Ashok Shanubhouge	**15**	**-**
Dr PA Patel	**04**	**-**
Dr JM Divecha	**156**	**-**
Dr MB Bhatt	**01**	**04**
Dr DP Raykundaliya	**13**	**-**

23. Details of patents and income generated: N**il**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

   Dr MB Bhatt visited

   • **Department of Statistics, University of Pune, Pune (16-12-2013 to 25-12-2013)**
   • **Department of Statistics, Babasaheb Ambedkar Marathawada University, Aurangabad (26-12-2013 to 31-12-2016)**

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
Dr A Shanubhouge	PRAJNA	National	2006
	Refresher Course	Academic staff college, SP University	2010-15
Dr PA Patel	Board of studies, VNSGU, Surat	(Copt) member	2014
	Refresher Course	Academic staff college, SP University	2010-15
Dr JM Divecha	Refresher Course	Academic staff college, SP University	2010-15
Dr DP Raykundaliya	Orientation course	Academic staff college, SP University	2010-15

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refere Volume-II and URL:

www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

   - percentage of students who have done in-house projects including inter-departmental projects: **50 MSc (Statistics)**
   - percentage of students doing projects in collaboration with other industries/institutes: **50 MSc (QPM)**

29. Awards/recognitions received at the national and international level by
   - Faculty: **Nil**
   - Doctoral / post doctoral fellows: **Nil**
   - Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Year	Nat./ Internat.	Name of Seminar/ Conference/Workshop	Source of Funding	Participant Details
2010-11	National	National Level Conference on "Present Practices and Future Trends in Lena Six Sigma	UGC	124
2011-12	National	National Level Conference on "Present Practices and Future Trends in Lena Six Sigma"	UGC	102

Year	Nat./ Internat.	Name of Seminar/ Conference/Workshop	Source of Funding	Participant Details
2012-13	**National**	**National Seminar on "Research in Statistical Science: Past, Present and Future**	**UGC**	**102**

31. Code of ethics for research followed by the departments:

- **Feasibility of the proposed research work.**
- **Duplication of work.**
- **Usefulness of the work to students and society.**

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	**Female**	**Male**	**Female**
MSc (Statistics)					
2010-11	**37**	**39**	**4**	**100**	**100**
2011-12	**66**	**35**	**20**	**100**	**100**
2012-13	**39**	**31**	**23**	**100**	**100**
2013-14	**46**	**32**	**22**	**100**	**100**
2014-15	**62**	**34**	**27**	**100**	**100**
MSc (QPM)/MQPM					
2010-11	**77**	**66**			
2011-12	**66**	**59**			
2012-13	**39**	**47**			
2013-14	**46**	**34**			
2014-15	**62**	**40**			
MPhil					
2010-11	**02**	**02**			
2011-12	**02**	**-**			
2012-13	**01**	**-**			
2013-14	**02**	**-**			
2014-15	**01**	**-**			
SPSS (Certificate course)					
2010-11		**46**			
2011-12		**87**			
2012-13		**34**			
2013-14		**-**			

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	**Female**	**Male**	**Female**
2014-15		**25**			
Biostatistics (Certificate course)					
2010-11		**01**			
2011-12		**03**			
2012-13		**03**			
2013-14		**-**			
2014-15		**02**			
Financial Statistics (Certificate course)					
2010-11		**-**			
2011-12		**-**			
2012-13		**01**			
2013-14		**-**			
2014-15		**03**			

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010-11	**12**	**35**	**53**	
2011-12	**22**	**38**	**40**	
2012-13	**19**	**31**	**50**	**Nil**
2013-14	**04**	**37**	**59**	
2014-15	**02**	**25**	**73**	
	40 to 60	**60 to 40**	**02**	

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: **NIL**

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	**NA**
PG to MPhil	**-**
PG to PhD	**02**

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	40
from other universities within the State	40
from universities from other States	20
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

   a) Library : **Books : 4,521, e-Journals : 19**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	90/0	1,59,185
2011-12	39/0	1,27,401
2012-13	104/0	4,00,000
2013-14	-	-
2014-15	-	-

   b) Internet facilities for staff and students: **Department has Bandwidth internet connectivity provided by university**

   c) Total number of class rooms: **04**

   d) Class rooms with ICT facility: **04**

   e) Students' laboratories: **03**

   f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

Doctoral students

2011-12

1. **Mrs Madhu B Patidar, Supervisor: Prof Ashok Shanubhogue**
2. **Mr Riyadh Rustam Al-mosawi, Supervisor: Prof Ashok Shanubhogue**
3. **Mrs Tejal Prajapati, Supervisor: Dr Jyoti Divecha**

2012-13

4. **Mrs Rina Shah, Supervisor: Prof PA Patel**
5. **Mrs Chhaya D Sonar, Supervisor: Dr Jyoti M Divecha**

2013-14

6. **Miss Bimla Negi, Supervisor: Prof Ashok Shanubhogue**
7. **Mr Nirmal R Jain**

2014-15

8. **Mr Alaa Khleef Jaheel, Supervisor: Prof Ashok Shanubhogue**
9. **Mr DB Jadhav**

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	03	01	06
2011-12	05	01	01
2012-13	0	01	09
2013-14	0	02	02
2014-15	01	02	13
Total	09	07	31

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	Mr Harendrakumar D Varmora Mr Rajendra Ganpatrao	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Mr Dadasaheb Dilip Choudhari		
3	2012-13	Ms Rina Satish Daultani		
4	2013-14	Ms Ayushi Akhil Chaturvedi		
5	2014-15	Miss Debirupa Asokechanda		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a)   does the department utilize the feedback?

   Yes, to improve teaching learning process and curriculum.

   b)   students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   Through Feedback sheets as given in the NAAC Manual.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Periodically in meetings. The Feedback is used to revise courses.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Mr Arvind D Patel	**USA**	**MSc**	**1983**
Prof Nirish P Patel	**Prof. Agriculture college, Anand**	**PhD**	**1989**
Prof Vipul K Kalamkar	**Department of Statistics, MS University, Vadodara**	**MPhil**	**1987**
Dr Rupal Shah	**Department of Statistics, MS University, Vadodara**	**Faculty**	**2006**
Mr Rathod Gaurav Prafulchandra	**Australia**	**MSc**	**2004**
Ms Malhotra Sonia Satpal	**Cytel, Hyderabad**	**MSc**	**2012**
Mr HB Madhvani	**Assist Prof, VP Science college , VV Nagar**	**PhD**	**2002**
Dr Mayank V Bhatt	**Deputy Registrar , SP University, VV Nagar**	**MSc**	**2004**
Dr Alpha K Patel	**Gujarat Government, Gandhinagar**	**MSc**	**1998**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of scheme under which guest was invited
1.	**Dr SD Gore, Professor and Head, Department of Statistics, University of Pune, PUNE**	**17/10/2012**	**1. Business Analytics** **2. Business Solutions**	**IA Patel (Sheratha) Lecture Series**

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of scheme under which guest was invited
2.	**Dr David D Hanagal Professor, Department of Statistics, University of Pune, PUNE,**	**19-20/02/2014**	**1. Optimal Geometric Process Replacement Policities Based on Number of Down Times**	**IA Patel (Sheratha) Lecture Series**
			2. Analysis of Acute Leukemia Data using Shared Frailty Models under Gompertz Baseline Distribution	

45. List the teaching methods adopted by the faculty for different programmes.

To incorporate multimedia dependent teaching, all the class rooms are provided with ceiling mount multimedia projectors supported by PC. The faculty members are preparing their teaching materials in power point and using them in the lectures. The method gives more time for discussion and attending the questions of inquisitive students and give better explanation to slow learners. Further students are encouraged to prepare seminars using the internet courseware. This gives the students more time to face the audience so that they will prepare well before presentation.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

By conducting quiz, giving assignments, at regular intervals and evaluating students through internal and external examination.

47. Highlight the participation of students and faculty in extension activities.

- **Students actively participated in blood donation camp organised by the department.**
- **Teachers and students help old aged home by contributing a fixed amount.**
- **The Department has been running Certificate Courses in (a) SPSS (b) Financial Statistics (c) Biostatistics.**
- **Students are participating in Internship/Training given by NSSO/NASA**
- **Department and Campus cleaning programme in every semester.**
- **Blood-donation camps on Teachers day every year.**

48. Give details of "beyond syllabus scholarly activities" of the department.

Sr. No.	Name of Activities
1	**Shri HM Patel Memorial Elocution Competition**
2	**Fresher's Party**
3	**Celebration of Teachers Day**

Sr. No.	Name of Activities
4	**Walk for Democracy**
5	**Run For Democracy**
6	**Meeting held on youth festival**
7	**Abhimukhta Shibir**
8	**Navratrti celebration**
9	**Celebrating "Swachta Abhiyan"**
10	**57th Annual Convocation Ceremony**
11	**Blood Donation Camp**
12	**National level seminar on Research in Statistical Science : Past, Present and Future**
13	**Sports Day**
14	**Day's Celebration – 2015**
15	**Request to Visit Library**
16	**Painting Compitition on Mahatma Gandhi and Cleanliness**
17	**Programmes on The "Death Anniversary of Mahatma Gandhi"**
18	**Circular for Announcement of Essay Compitition**
19	**Campus Drive for MSc(4th sem) Students**
20	**Farewell Function of 2015**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details: **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- **The MSc programme was restructured into CBCS. Further we added specializations : (i) Biostatistics (ii) Financial Statistics.**
- **We converted many of statistics practicals on R-Language and C++. In this way students get additional training on R-Programming as add-on.**
- **Every student of MSc is supposed to carry out "Project Work" worth 4 credits.**
- **We added one more 4 credits optional course "Generalized Linear Modes" as many of recruiters required exclusive knowledge on this course.**
- **We revised MQPM programme and restructured the programme to fit into the structure of MSc programmes of the university.**
- **We renamed the MQPM programme MScQPM(Master of Science in Quality and Productivity Management).**
- **We are hiring external agencies to give training on Quality Standards like, ISO 9001:2015, ISO/WD 22000, ISO 14001:2015 etc. give training on Lean Six Sigma Black Belt. At the end of the training they get**

respective certificates if they clear the examinations and other requirements.

- **Every student of MScQPM is supposed to do at least two extra projects as add-on training apart from a one semester 24 credits project work at service/manufacturing industry.**
- **To encourage deserving students to have both specialization simultaneously we introduced Certificate Course in Biostatistics and Certificate Course in Financial Statistics.**
- **To encourage the students to study in depth SPSS we introduced Certificate Course in SPSS.**
- **To encourage the students to study in depth SPSS we introduced Certificate Course in SPSS.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Infrastructures and IT-Infrastructures.** • **Department Library.** • **Diversity of Research Areas.** • **Placement Activities.** • **Offering projects.** • **Offering specialization.** • **Providing training on Lean Six sigma Black belt and ISO certification.** • **Department library consists of more than 4500 books.**
Weaknesses
• **Unable to offer more electives due to shortage of faculty.** • **Since affiliated colleges are not running BSc (Statistics), we are depending on the students from other universities of the state and other states.**
Opportunities
• **We can start diploma courses in Financial Statistics, Biostatistics, Acturial Statistics and Applied Statistics.** • **We can start a separate Centre for Quality and Productivity Management.** • **We can start Consultancy Cell and Training centre.**
Challenges
• **We may not get student for MSc (Statistics) because many PG Centers are opening at colleges in Maharashtra. We are presently getting more than 70% students from Maharashtra.** • **Admission in MSc (QPM) (Higher-fee course) depends on placement and outreach activities. This keeps more busy and the programme may become week if placement could not take place.**

52. Future plans of the department.

- **Establish Sardar Patel Centre for Management and Training in Quality, Productivity and Reliability.**

- **Add more certificate courses (a) Certificate course in Industrial Statistics (b) Certificate course in QMS (c) Certificate Course in Statistical Computation (d) Certificate Course in SAS programming.**
- **Start post graduate diploma programmes in (a) Actuarial Statistics (b) Data Science (c) Analytics.**
- **Establish a regional library of statistical science for western region.**
- **Establish a Consultancy Cell to cater the needs of academics and corporate.**

9. DEPARTMENT OF HOME SCIENCE

1. Name of the Department: **Home Science**

2. Year of the Establishment: **1977**

3. Is the Department part of a School/Faculty of the university?

   Yes, Faculty of Home Science.

4. Names of programmes offered

   - **Grant In Aid MSc programmes**
     The department offers MSc programs in varied fields of Home Science such as MSc Foods and Nutrition, General Home Science.
   - **Self Finance MSc programmes**
     Food Biotechnology, Human development, Textile & Clothing, Family and Resource Management.
   - **The department has also started PG Diploma course in Nutrigenomics and Food Designing and Quality Assurance in 2010.**

5. Interdisciplinary programmes and departments involved

   MSc-Food Biotechnology & PG Diploma in Nutrigenomics

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

7 Details of programmes discontinued, if any, with reasons.

   PhD in Family Resource Management (Guide has retired in 2011).

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned , filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**01**	**02**
Associate Professor	**01**	**01**	**02**
Assistant Professor	**04**	**03**	**01 + 01 (contractual)**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr Vinayak H Patel	PhD (Foods & Nutrition)	Professor & Head	Antioxidants in human health and diseases, Natural antioxidants for food industries	26	02
Dr Rema Subhash	PhD (Foods & Nutrition)	Professor	Functional foods, Osteoporosis, Molecular detection of food pathogens	25	-
Dr Manjari Acharya	PhD (FRM)	Professor	Ergonomics, Environment protection and energy conservation Consumer awareness and enhancement.	42	03
Dr Namrita Kola	PhD (Textiles & Clothing)	Associate Professor	Natural dyes, traditional textiles, embroidery for contemporary wear, dyeing and printing	26	-
Dr Neeta Dave	PhD (Foods & Nutrition)	Associate Professor	Nutrient Dense - Food Product development, Honey as antioxidant source	25	-
Dr Jisha Elias	Ph. D Biochemistry	Asst. Professor	Probiotics, Obesity (SNPs, Functional foods and gene expression), Molecular detection of food pathogens	04	-
Mrs Viraj Roghelia	M Sc (Foods & Nutrition) B.Ed. PhD Pursuing (Thesis submitted)	Assistant Professor	Organic foods, Community Nutrition, food Product development	3.5	-

12   List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**

13. Percentage of classes taken by temporary faculty – programme-wise information:

List of Programme	Faculty (Permanent/Temporary)	Percentage
Foods and Nutrition	Temporary	-
General	Temporary	-
Food Biotechnology	Temporary	50
Textile and Clothing	Temporary	18
Human Development	Temporary	50
Family Resource Management	Temporary	80

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio					
		FN (G+SF)	Gen (G)	FBT (SF)	FRM (SF)	HD (SF)	TC (SF)
MSc	2010-11	14:1	8:1	11:1	32:1	32:1	32:1
	2011-12	14:1	8:1	11:1	32:1	32:1	32:1
	2012-13	14:1	8:1	11:1	32:1	32:1	32:1
	2013-14	14:1	12:1	11:1	32:1	32:1	32:1
	2014-15	14:1	12:1	11:1	32:1	32:1	32:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	02	01	01
Administration	01	01	04+06 (contractual)

16. Research thrust areas as recognized by major funding agencies:

- **Functional foods and Nutraceuticals (Antioxidant and Probiotics),**
- **Dietary intervention for specific health claim**
- **Nutrigenomics,**
- **Bio-processing (fermentation and germination).**
- **Molecular techniques for the detection of food pathogens**
- **Natural Dyes, contemporary wear, traditional textiles**
- **Posture Improvement, Better interiors**
- **Entrepreneurship development**
- **Environment protection and energy conservation**
- **Consumer awareness and enhancement.**
- **Women empowerment**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of the Principal Investigator/Co-investigator	Title	Minor/ Major	Funding Agency	Amount of Research Grant sanctioned with Letter No. & Date	Duration	Amount of grant released with letter no. and date (year wise details)
Dr VH Patel	Development of database for total phenol and total antioxidant capacity of Indian foods	Major	UGC	10.65 Lakhs Ref. No. F.No39-96/2010 (SR), dated 24 December, 2010	2011-14	2011: 8,16,800/- Ref. No. F.No39-96/2010 (SR), dated 24 December, 2010 Final installment of ₹ 4,05,852/- is released on 05/11/2015
Dr Rema Subhash	Immobilization of Food Matrices and their efficacy in the preparation of fermented dairy products	Major	DBT	11.37 Lakhs BT/PR/14825/FNS/20/477/2010 Dated 2/6/2011	2011-14	2011-12:6,14,000/- BT/PR/14825/FNS/20/477/2010 Dated

						2/6/2011 2012-13: Nil 2013-14 : Nil 2014-15: 1,77,000/-
Dr Manjari Acharya	An ergonomic assessment of selected activities carried out in food unit	Major	UGC	6,48,300	2009-2012	
Ms. Viraj N Roghelia	A Comparative Study on Nutrients and Pesticide Residue Level among Organically and Conventionally Grown Fruits and Vegetables	Minor	Seed grant SP Univesity	1,00,000 G/1- SEED GRANT/2011-12/4803 (Dated 17-10-2011)	2011-12	1,00,000/- G/1- SEED GRANT/2011-12/4803 (Dated 17-10-2011)
Dr Jisha Elias	Screening Of SNPs In elanocortin-4-Receptor (*MC4R*) Gene in Overweight-Obese Population Of Anand-Vallabh Vidhyanagar.	Minor	Seed grant SP University	1,00,000 G/1- SEED GRANT/2011-12/4802 (Dated 17-10-2011)	2011-12	1,00,000 G/1- SEED GRANT/2011-12/4802 (Dated 17-10-2011)
Ms Viraj Roghelia	Haematinic Effect and antioxidant Activity of Cactus Pear Fruit (*Opuntia Ficus-Indica*)"	Minor	UGC	3,25,000 No C/B-16/VNR/14-15 dated 03-04-2014	2014-2016	No C/B-16/VNR/14-15 dated 03-04-2014

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration: **Nil**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
SAP-DRS-I	**UGC**	**₹ 75.00 Lakhs Letter No.: F.640/2/DRS/2010 (SAP-I)**	**Apr 2010 to Mar 2015**
Innovative Programme(UGC)	**UGC**	**₹58.00 Lakhs Letter No.:F.14-39/2009 (Inno/Assist) Dated 30/9/2009**	**Apr, 2010 to Mar 2015**
SAP-DRS-II	**UGC**	**₹80,00,000 + one project fellow**	**Apr 2016 to Mar 2021**
Innovative Programme (Commissioner of Higher Education, Govt. of Gujarat, Gandhinagar)	**Other (Commissioner of Higher Education, Govt. of Gujarat, Gandhinagar)**	**₹39.50 Lakhs Letter No.: KCT/Uni/Chaba/2008/20646-56; dated 17/10/2008**	**Apr 2010 to Mar 2015**

20. Research facility/centre with State, National and International Recognition :

    State Recognition 2010 : Innovative Programme (Govt. of Gujarat) Higher Education.

    National Recognition 2010 : DRS-1 SAP & Innovative Programme.

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	**08**	**08**	**-**
2011-12	**03**	**03**	**-**
2012-13	**14**	**10**	**04**
2013-14	**34**	**01**	**33**
2014-15	**-**	**-**	**-**
Total	**59**	**22**	**37**

b) Monographs: **Nil**

c) Chapters in Books: **05**

d) Edited Books: **Nil**

e) Books with ISBN with details of pulications: **Nil**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

g) Citation Index – range/average: **Up to 2.203**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average: **Up to 2.203**

k) h-index   **Dr VH Patel-04**

                         Dr Rema Subhash-04

                         Dr Neeta Dave-01

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Name of Journal	National/International/Editorial Board	Year of Joining
Dr Rema Subhash	**PRAJNA**	**University Editorial Board**	**2010**
Dr Namrita Kola	**Asian Journal of Home Science**	**International Editorial Board**	**2012**
Dr Vinayak H. Patel Dr Namrita Kola (Advisory Board)	**Pragati: Compilation of Researches in Home Science**	**National Editorial Board**	**2013**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Dr Viraj Roghelia, Faculty, had done one Orientation and one Refresher Course.

28. Student projects

- Percentage of students who have done in-house projects including inter-departmental projects: **100 in house**
- Percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by **NA**

- **Faculty:**

Name of Faculty	Title of Award	Awards/Recognitions Given by	Year
Patel VH	**Best Poster Award-First prize**	**P.G. Department of Home Science ,Sardar Patel University, Vallabh Vidyanagar, Gujarat, India**	**2011-12**
Patel VH	**Best Paper Award-Third Prize in oral presentation**	**Innovation in Science-SPURSM" two day symposium organized by Sardar Patel University**	
Viraj Roghelia	**Best Paper Award-Third Prize in oral presentation**	**Innovation in Science-SPURSM" two day symposium organized by Sardar Patel University**	
Rema S.	**Best Poster Award-Third Prize**	**Swedish South Asian Network on Fermented Foods at Anand Agriculture University, Anand, Gujarat, India**	**2012-13**
Patel VH	**Best Poster Award-Second Prize**	**P.G. Department of Home Science ,Sardar Patel University, Vallabh Vidyanagar, Gujarat, India**	**2013-14**
Patel VH	**Best Poster Award-First prize**	**Indian Dietetic Association and Diabetes Foundation, AIIMS, New Delhi, India**	**2014-15**
Neeta Dave	**Best paper award**	**Goa College of Home Science, Goa, Panaji, India**	
Rema Subhash	**Best paper award**	**Goa College of Home Science, Goa, Panaji, India**	

- **Doctoral / Post doctoral fellows:**

Name of Student	Title of Award	Awards/Recognitions Given by	Year
Vincenta Khristi	Best Poster Award-First prize	PG Department of Home Science ,Sardar Patel University, Vallabh Vidyanagar, Gujarat, India	2011-12
Viraj Roghelia	Best Paper Award-Third Prize in oral presentation	Innovation in Science-SPURSM" two day symposium organized by Sardar Patel University	
Parekh M Mishra A	Best Poster Award-Third Prize	Swedish South Asian Network on Fermented Foods at Anand Agriculture University, Anand, Gujarat, India	2012-13
Anu Mishra	Best Poster Award-Second Prize	PG Department of Home Science ,Sardar Patel University, Vallabh Vidyanagar, Gujarat, India	2013-14

- **Students:**

Name of Student	Title of Award	Awards/Recognitions Given by	Year
MV Aishwarya and Parita Gajjar	Best paper award	Goa College of Home Science, Goa, Panaji, India	2014-15
Hemangini Bariya and Himali Parmar	Best paper award	Goa College of Home Science, Goa, Panaji, India	
Khushbu Dalwadi	Best Poster Award-First prize	Indian Dietetic Association and Diabetes Foundation, AIIMS, New Delhi, India	2015

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

**Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf**

31. Code of ethics for research followed by the department

- **The Department is seeking ethical approval for conducting animal experiment from BRD School of Bio Sciences, Sardar Patel University.**
- **The Department has applied for seeking permission to formulate an Institutional Ethical Committee for conducting research on Humans.**

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MSc (Family Resource Management)	2010-11	19	-	27	-	100
	2011-12	04	-	15	-	100
	2012-13	18	-	18	-	100
	2013-14	03	-	12	-	100
	2014-15	06	-	-	-	-
MSc (Food Biotechnology)	2010-11	26	04	33	100	100
	2011-12	21	06	19	100	100
	2012-13	04	03	23	100	100
	2013-14	06	-	18	-	100
	2014-15	05	-	-	-	-
MSc (Food and Nutrition)	2010-11	38	-	35	-	100
	2011-12	32	-	31	-	100
	2012-13	48	-	30	-	100
	2013-14	40	-	31	-	100
	2014-15	34	-	-	-	-
MSc (General)	2010-11	00	-	-	-	-
	2011-12	02	-	-	-	-
	2012-13	02	-	04	-	100
	2013-14	00	-	03	-	100
	2014-15	01	-	-	-	-
MSc (Human Development)	2010-11	14	02	32	100	100
	2011-12	06	01	30	100	100
	2012-13	14	-	14	-	100
	2013-14	05	-	13	-	100
	2014-15	03	-	-	-	-
MSc (Textiles and Clothing)	2010-11	15	-	31	-	100
	2011-12	19	-	27	-	100
	2012-13	13	-	22	-	100

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
	2013-14	01	-	12	-	100
	2014-15	10	-	-	-	-

33. Diversity of students: **Nil**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Year	Number of Students	NET	SET
2010-11	-	-	-
2011-12	02	02	-
2012-13	05	03	02
2013-14	01	01	-
2014-15	02	02	-

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	-
PG to MPhil	-
PG to PhD	1
Campus selection	1
Other than campus recruitment	1
Entrepreneurs	2

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	29
from other universities within the State	57
from universities from other States	14
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **01**

38. Present details of departmental infrastructural facilities with regard to

    a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	70/3	1,67,755
2011-12	58/4	1,69,250
2012-13	16/1	4,00,000
2013-14	-	-
2014-15	23/1	1,21,052

    b) Internet facilities for staff and students: **12 Computers with Internet Facility**

    c) Total number of class rooms: **04**

    d) Class rooms with ICT facility: **03**

    e) Students' laboratories: **14**

    f) Research laboratories: **One**

39. List of doctoral, post-doctoral students and Research Associates :

    a) from the host institution/university (Completed)

    2011-12

    1. Neeta R Dave, Supervisor: Dr VH Patel

    2013-14

    2. Anita Patel, Supervisor: Dr MS Acharya
    3. Ranjit Kaur, Supervisor: Dr MS Acharya
    4. Sulaiman Ahmed, Supervisor: Dr MS Acharya

    2014-15

    5. Anjali Vijay Bhatt, Supervisor: Dr VH Patel

    Please do refer Volume-II and URL:
    http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	-	-	-
2011-12	-	-	01
2012-13	03	02	07
2013-14	01	04	06
2014-15	02	02	07
Total	06	08	21

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Ms Hinal Naileshkuamr Patel		
3	2012-13	Ms Nirali Krishnakant Pandya	₹10,000	Kashiben and Gordhanbhai Patel Scholarship
4	2013-14	Ms Hetalben Rameshbhai Talapara		
5	2014-15	Ms FalguniChiragbhai Desai		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The Ministry of Food processing has been recently established by the Government of India. Stressing the importance of this, an initiative has been taken by the department by training our students in the field of food standards and this supports the cause of ministry. Curriculum is designed and framed considering the global food industry requirements and students are skilled to meet the current employability needs.

To nurture Nutrigenomics as an upcoming field of Foods and Nutrition, Diploma in Nutrigenomics was started but as it was a diploma course, student admission was not optimum. Considering the future demand and importance of the subject, this course has been converted into an MSc specialization.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

a) does the department utilize the feedback?

Orally at the end of the Semester

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Through Feedback sheets as given in the NAAC Manual

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Nil

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Ms. Khushbu Dalwadi	**Higher Studies (PhD) Inspired Fellowship**	**Foods and Nutrition**	**2014**
Ms. Hinal Patel	**Higher Studies (PhD) Inspired Fellowship**	**Foods and Nutrition**	**2012**
Ms. Tarannum Pathan	**Sun Pharma Pvt. Ltd., Vadodara**	**Foods and Nutrition**	**2014**
Ms. Ishita Amin	**Surti Sweets and Snacks Pvt. Ltd.**	**Foods and Nutrition**	**2013**

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Ms. Jinal Panchal	ICDS, Anand	Food Biotechnology	2013
Ms. Yogini Chauhan	Dietician in Shalby Hospital, Ahmedabad	Foods and Nutrition	2015
Ms. Payal Shah	Food Industry in U.S.	Foods and Nutrition	2012
Ms. Nirali Pandya	QC Lab., Nestle, Mumbai	Foods and Nutrition	2013
Ms. Mosmi Rupareliya	Adhyapak Sahayak, Saurashtra University, Rajkot	Textiles and Clothing	2010
Ms Jigisha Tarada	Enterpreneur (Garment Business)	Textiles and Clothing	2014

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Year	Name of Events	Details of Events
2010-11	Special Lectures	-
2011-12		**Faculty, National Institute of Nutrition Hyderabad** A lecture on "Indian dietary Guidelines"
2012-13		**Dr C.V Ramakrishnan** A "Talk on importance of nutrition for the community".
2010-11	Seminar	-
2011-12		**National Seminar on Functional Foods: Managing Health in the Modern Age.**
2012-13		-
2013-14		**National level Seminar on Nutrigenomics: A Promising Tool for Combating Chronic Diseases.**
2014-15		-

45. List the teaching methods adopted by the faculty for different programmes.

- **Use of internet by students for obtaining reference material is encouraged.**
- **Internet facility is available to all faculties through which the teachers are able to update their knowledge by referring/prescribed e-journals and have free access to published data and books.**
- **Power point presentations are made by teachers for teaching.**

46. How does the department ensure that programme objectives are constantly met and learning outcomeProgramme objectives are constantly met in the following ways:

Curriculum revision based on employability and contribution to society

- **Regular theory and practical**
- **Confidence builds up through seminars and internal exams**
- **Orientation towards research in their second year of MSc as they conduct dissertation work in III and IV semester.**

Learning outcomes are monitored as follows:

- **Employability of students**
- **Students' progression for higher studies**
- **Students qualify competitive exams (NET SLET)**
- **Students receives fellowship (INSPIRE)**

47. Highlight the participation of students and faculty in extension activities.

- **Social responsibility is an integral part of all types of activities of the department. Social responsibility is extended by significant outreach programmes which are mentioned underneath:**
- **Diet counselling for various diseases, weight reduction, etc.**
- **Furnishing, interior decoration aspects etc. are taken up for extension in local Mahila Mandals**
- **Training programmes on hygiene and sanitation for mess-workers.**
- **Plan and execute need-based programs in old age home, Mahila Mandals, etc.**
- **Determination of prevalence of anaemia, diabetes, cardiovascular diseases among adult population of Anand and VallabhVidyanagar.**
- **Haematological parameters of normal and anemic subjects like haemoglobin, PCV, MCHC etc. Of Vallabh Vidyanagar.**
- **Nutrition & Breast Feeding Week Celebration.**

48. Give details of "beyond syllabus scholarly activities" of the department. **Nil**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- **Department has taken efforts in generating new knowledge by introducing new courses like diploma and degree programmes in Nutrigenomics and FDQA (Food designing and Quality Assurance).**
- **Department also facilitates students knowledge about the current trends by conducting national seminars in which speakers deliver talks on recent research trends.**
- **New dissertation topics are given as part of research work for MSc and PhD which are decided looking at the recent developments in the subjects.**
- **Subject experts from other university through their lectures provide students with the latest research knowledge on the subject**.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Research facilities.**
• **Continuous evaluation.**
• **Dissertation component for all students.**
• **Theory supported by practical experience.**
• **DRS-I and II.**
Weaknesses
• **Shortage of technical staff due to pending clearance from government.**
Opportunities
• **Department can go for DSA and Centre for Excellence (For Foods and Nutrition).**
Challenges
• **Shortage of Faculty.**
• **Shortage of Space.**

52. Future plans of the department.

- **The aim of the department is to impart global level skills to the students in the fields of human nutrition, food science, textiles and clothing and human development in order to provide optimum health and care to the community.**
- **Along with this, the department is striving hard to achieve the status of CAS under UGC-SAP.**

10. CENTRE FOR INTERDISCIPLINARY STUDIES IN SCIENCE AND TECHNOLOGY (CISST)

1. Name of the Department: **CISST**

2. Year of establishment: **2012**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Engineering & Technology.

4. Names of programmes offered: **MSc and PG Diploma.**

5. Interdisciplinary programmes and departments involved PG programmes:

   MSc Biomedical Science, MSc Defence Science, MSc Earth Science, MSc Bioinformatics, PG Diploma programme: PG Diploma in Defence Materials (PGDM).

6. Courses has a collaboration with other universities, industries, foreign institutions, etc.:

   MSc Earth Science has a collaboration with Physical Research Laboratory (PRL), Ahmedabad. Several faculties from PRL visited CISST for faculty and also trained our students on experimental techniques.

7. Details of programmes discontinued, if any, with reasons. **Not Applicable**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professor	01	-	-
Assistant Professor	02	-	-
Assistant Professor (Contractual)	04	04	04 (contractual)

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr RV Patel	MSc, PhD (Materials Science)	Assistant Professor (Contractual)	Ceramics and Composite Materials , Nanomaterials	2 Years and 3 Months	-
Dr RA Vasant	MSc, PhD (Zoology)	Assistant Professor (Contractual)	Fluorosis and Its amelioration by natural products	2 Years and 3 Months	-
Dr DA Shah	MSc, PhD (Pharmaceutical Chemistry)	Assistant Professor (Contractual)	Chitosan based drug formulations and delivery systems	1 Year and 3 Months	-
Dr KP Dave	MSc, PhD (Bioinformatics)	Assistant Professor (Contractual)	System Biology	2 Months and 15 Days	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sr. No.	Name / Institute
1	Prof (Retd) Dr AT Oza, Department of Physics, SPU
2	Prof Dr SH Chaki, Department of Physics, SPU
3	Dr Forum Shelat Joshi, GH Patel College of Engineering and Technology, Vallabh Vidyanagar
4	Prof Dr NV Sastry, Department of Chemistry, SPU
5	Prof Dr DK Raval, Department of Chemistry, SPU
6	Prof Dr KH Patel, Department of Chemistry, SPU
7	Dr SS Soni, Department of Chemistry, SPU
8	Prof (Retd.) Dr KS Rao, Department of Biosciences, SPU
9	Prof Dr KC Patel, Department of Biosciences, SPU
10	Prof Dr RB Subramanian, Department of Biosciences, SPU
11	Prof Dr TV Ramana Rao, Department of Biosciences, SPU
12	Dr Haresh Kehariya, Department of Biosciences, SPU
13	Prof Dr AB Patel, Department of Mathematics, SPU
14	Dr Sanjay J, Ghevariya, Department of Mathematics, SPU
15	Dr DP Raykundaliya, Department of Statistics, SPU

Sr. No.	Name / Institute
16	Prof Dr AH Hasmani, Department of Mathematics, SPU
17	Prof Dr Sunil Trivedi, Shree Pramukh Swami Medical College, Karamsad, SPU
18	Prof Dr N Haridas, Shree Pramukh Swami Medical College, Karamsad, SPU
19	Dr Yagnesh Pandya, Shree Pramukh Swami Medical College, Karamsad, SPU
20	Dr Sanjay Chaudhari, Shree Pramukh Swami Medical College, Karamsad, SPU
21	Dr Menaka Shah, Shree Pramukh Swami Medical College, Karamsad, SPU
22	Dr Keyuri Patel, Shree Pramukh Swami Medical College, Karamsad, SPU
23	Dr Suman Singh, Shree Pramukh Swami Medical College, Karamsad, SPU
24	Dr Kiran Chauhan, Shree Pramukh Swami Medical College, Karamsad, SPU
25	Dr Hitesh Shah, Shree Pramukh Swami Medical College, Karamsad, SPU
26	Prof (Retd.) Dr KN Joshipura, Department of Physics, SPU
27	Prof Dr PC Vinodkumar, Department of Physics, SPU
28	Prof Dr R Ramchandran, Physical Research Laboratory, Ahmedabad
29	Prof Dr Shyam Lal, Physical Research Laboratory, Ahmedabad
30	Prof Dr NP Bhatt, The M. S. University of Baroda, Vadodara
31	Mr BB Patel, Department of Computer Science, SPU
32	Dr Vimal Bhatt, BA College of Agriculture, Anand Agricultural University, Anand
33	Dr KC Patel, BA College of Agriculture, Anand Agricultural University, Anand
34	Dr Rucha Dave, BA College of Agriculture, Anand Agricultural University, Anand
35	TA Rajesh, Physical Research Laboratory, Ahmedabad
36	Prof Dr Manmohan Sarin, Physical Research Laboratory, Ahmedabad
37	Prof Dr Sambhunath Ghosh, Physical Research Laboratory, Ahmedabad
38	Prof Dr NP Bhatt, The M. S. University of Baroda, Vadodara
39	Dipak Panda, Physical Research Laboratory, Ahmedabad
40	Dr R Rengarajan, Physical Research Laboratory, Ahmedabad
41	TA Rajesh, Physical Research Laboratory, Ahmedabad
42	Dr Vibha Vaishnav, Department of Electronics, SPU
43	Dr Urmesh B Trviedi, Department of Electronics, SPU
44	Dr Prarthan Mehta, Shree Dharamsinh Desai University, Nadiad

Sr. No.	Name / Institute
45	Dr Rutvij C Joshi, AD Patel Institute of Technology (ADIT), New Vallabh Vidyanagar
46	Prof Dr Ashish Pandya, Shree Dharamsinh Desai University, Nadiad
47	Dr Rizwan Alad, Shree Dharamsinh Desai University, Nadiad
48	Dr C Raychaudhary, Shree Pramukh Swami Medical College, Karmsad, SPU
49	Dr Barna Ganguly, Shree Pramukh Swami Medical College, Karmsad, SPU
50	Dr Bharat Gajjar, Shree Pramukh Swami Medical College, Karmsad, SPU

13. Percentage of classes taken by temporary faculty - programme-wise information:

MSc Biomedical Science	CISST Faculty	70%
	Visiting Faculty	30%
MSc Defence Science	CISST Faculty	70%
	Visiting Faculty	30%
MSc Earth Science	CISST Faculty	40%
	Visiting Faculty	60%
MSc Bioinformatics	CISST Faculty	70%
	Visiting Faculty	30%

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MSc Biomedical Sci.	2013-14	1:3
	2014-15	1:3
MSc Defence Sci.	2013-14	1:3
	2014-15	1:3
MSc. Earth Sci.	2013-14	1:3
	2014-15	0:3
MSc. Bioinformatics	2013-14	Not
	2014-15	Applicable

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Particulars	Year	Sanctioned	Filled
Research Personnel	2011-12	05	05
	2012-13	15	15
	2013-14	26	26
	2014-15	08	08
Administrative Staff	2012-15	02 Clerks cum Typist (Temp.)	02 (contractual)

Particulars	Year	Sanctioned	Filled
Office Boy	**2012-15**	**02**	**02 (contractual)**
Sweeper	**2012-15**	**01**	**01 (contractual)**

16. Research thrust areas as recognized by major funding agencies: **Not Applicable**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition :

Sr. No.	Research Facility	Usage	Year of Installation
1.	**Ultra Fast Triple Quadruple Liquid Chromatography and Mass Spectrometer, Model: LCMS 8030 with Nexera UHPLC, Make: Shimadzu, Japan**	**Therapeutic Drug Development, Monitoring and Toxicology Measurements of Vitamins and Related Metabolites and Steroid Hormones** **Forensic Analysis of priority pesticides in groundwater** **Biochemical Screening for Genetic Disorders**	**2012**
2.	**Millipore Water Purification System, Model: Prefiltration Kit +Elix-3+50L Storage Reservior+ Synergy Pure System, Make: Merck Millipore**	**Purification of water to lowest conductivity for use in research**	**2012-13**
3.	**Spectroflurophotometer Model: RF-5301PC, Make: SHIMADZU, Japan**	**To measure fluorescent substances such as human tissue, contaminated water, soils and any other organic and nonorganic materials**	**2012-13**
4.	**Inverted Fluorescent phase contrast Research Microscope Make: Carl-Zeiss, Germany**	**Study of morphology of cells and cellular organelles**	**2012-13**

Sr. No.	Research Facility	Usage	Year of Installation
5.	**Research Rotary and Oscillatory Rheometer Model: 102 Modular Compact, Make: Anton Paar, Graz. Austria**	**To study the viscosity of the melt, flow behaviour, viscoelastic properties, temperature-dependent behaviour, glass transition temperature, aging behaviour, etc of polymers, gels, cosmetics, food,beverage products, paints and coatings**	**2012-13**
6.	**Fluorescence Micro Plate Reader Model No. Spectramax MZ & Multi Detection) Model: Spetramax MZc & Multi Detection Make: Molecular Devices LIC, U. S. A**	**Study assays of Protein, Nucleic acid, Fast kinetic, Enzyme, Cell function, Reporter gene, Fatty acid uptake, Neurotransmitter uptake, ADME Tox, Membrane permeability, Microbial growth and Endotoxin**	**2013-14**
7.	**High Performance Particle Size Analyzer along with Zeta Potential Model: SZ100 Make: Horiba Ltd., Japan**	**Study the particle size, particle size distribution, colloidal interactions, colloidal stabilization and zeta potential of colloidal system, polyelectrolytes, proteins, flavouring and flavorants**	**2013-14**
8.	**Complete DCI-VC-V Semiconductor Characterization System Make: Tektronik Asia Ltd., Beaverton**	**Characterization of Mobile ion, Solar cell/photovoltaic device, Organic LED and Interface charge trap Semiconductor technology development, Pulse testing of III-V devices, Semiconductor process integration, Nanotechnology and MEMs research, Flash memory testing,**	**2013-14**
9.	**Isothermal Titration Calorimeter (Nano ITC Standard Volume System) Make: Water Ges.m.b.H, Vienna, Austria**	**To study the binding interaction of metal ions and ligands, thermodynamics of micelle formation etc.**	**2013-14**
10.	**Size Exclusion Chromatogram with RI Detector Model: Prominence GPC System; RID-20A Make: Shimadzu**	**Purification and separation of samples, Determination of Molar Mass of macromolecules such as proteins, polysaccharides, synthetic polymers and natural proteins etc**	**2013-14**
11.	**Simultaneous High Temperature DTA-DSC-TGA System, Model: STA-8000, Make: Perkin Elmer**	**Identify melting point, glass transition, Curie temperature, energy required to melt material, Evaluation of phase transformation**	**2014-15**

Sardar Patel University, Vallabh Vidyanagar, Gujarat

Sr. No.	Research Facility	Usage	Year of Installation
	Singapore	**Decomposition, polymerization, gelation, curing, Evaluation of processing, thermal & mechanical histories, to determine crystallization temperature upon cooling, Perform Oxidative Stability Testing (OIT), Compare additive effects on material**	
12.	**Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), Model:Optima8000, Make: Perkin Elmer Singapore**	**It is used to find elemental composition of Agricultural, food, Biological, clinical samples and other samples from Geological Coal, Environmental and water, Metals, Organic Adhesives etc.**	**2014-15**
13.	**Real Time PCR Model: CFX Connect Make: Bio-Rad, USA**	**Gene Expression (mRNA) Analysis, In Agriculutral and food industries, MicroRNA & Noncoding RNA Analysis, microRNA Profiling and microRNA Quantitation , Long Noncoding RNA (ncRNA) Expression Analysis, Genetic Variation Analysis(In forensic Science and diagnosis of infectious disease), TaqMan ® Mutation Detection Assays, Protein Analysis**	**2014-15**
14.	**Shimadzu Prominence Preparative cum Analytical HPLC System Model: LC-20AP, Make: Shimadzu, Japan**	**Isolation of impurities, Isolation and purification of radio-labeled drug metabolites, natural products, enantiomers**	**2014-15**
15	**DANI Make Gas Chromatograph with Head Space Sampler Model: Master GC, Make: DANI Instruments, Italy**	**Quantitative measurement of substances that vaporize below 300 °C, solid drug dose (pre-consumption form) identification and quantification, arson investigation, paint chip analysis, and toxicology cases**	**2015-16**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

    a)   Number of papers published in peer reviewed journals (national/ international)

Year	Number Papers Published	National	International
2010-11	**-**	**-**	**-**
2011-12	**-**	**-**	**-**
2012-13	**06**	**01**	**05**
2013-14	**06**	**01**	**05**
2014-15	**04**	**-**	**04**
Total	**16**	**02**	**14**

    b)   Monographs: **Nil**

    c)   Chapters in Books: **01**

    d)   Edited Books: **Nil**

    e)   Books with ISBN with details of publishers: **01**

    f)   Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

    g)   Citation Index – range/average: **Nil**

    h)   SNIP: **Nil**

    i)   SJR: **Nil**

    j)   Impact Factor – range/average: **Nil**

    k)   h-index: **03**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated

Area **Analytical Services via Central Experimental Facility**	Income Generated
Triple Quadruple Liquid Chromatography and Mass Spectrometer	**9,534.00**
Rotary and Oscillatory Rheometer	**10,294.00**
High Temperature DTA-DSC-TGA	**12,312.00**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
Dr Rakesh V Patel	Indian Journal of Nanotechnology and Applications (IJNA), ISSN: 2348-1021), GBS publishers, New Delhi	Editorial Board Member	2015
Dr Rakesh V Patel	Life Member	Indian Carbon Society	2011
Dr Rupal A Vasant	Journal of Intercultural Ethnopharmacology	Editorial Board Member	
Dr Rupal A Vasant	Journal of Experimental & Integrative Medicine	Editorial Board Member	

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

   Please do refer Volume-II and URL :
   www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

   percentage of students who have done in-house projects including inter-departmental projects: **NA**

   percentage of students doing projects in collaboration with other universities/industry/institute:

Year wise	Percentage	University/Institution/Industry Name
2014-15	100	Physical Research Laboratory, Ahmedabad Envision Scientific Pvt Ltd., Surat Armament Research & Development Establishment (ARDE), DRDO, Pune
2015-16	100	National Centre for Cell Science (NCCS), Pune A.D. Patel Institute of Technology (ADIT), Gujarat Technological University (GTU)

29. Awards/recognitions received at the national and international level by **Not Applicable**

   • Faculty: **Nil**
   • Doctoral / post doctoral fellows: **Nil**

- Students:

Name of Student	Awards/Recognitions Given by	Year
Harsh Oza	Summer Fellowship, Physical Research Laboratory, Ahmedabad	2013-14
Harsh Oza	Physical Research Laboratory-Junior Research Fellowship (PRL-JRF)	2013-14
Manu Lambariya	Summer Fellowship, National Centre for Cell Science, Pune	2014-15

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL:

    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments.

    Piracy & Transfer of Data is prime of ethics

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MSc (Biomedical Science)	2013-14	01	01	-	100	-
	2014-15	02	01	00		-
MSc (Defence Science)	2013-14	01	01	-	100	-
	2014-15	03	01	-	100	-
MSc (Earth Science)	2013-14	01	01	-	100	-
	2014-15	02	-	01	-	-
MSc (Bioinformatics)	2013-14	-	-	-	-	-
	2014-15	-	-	-	-	-

33. Diversity of students:

Year Wise	Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2010-11	Not Applicable				
2011-12	Not Applicable				
2012-13	Not Applicable				

Year Wise	Name of the Programme (refer to question no. 4)	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
2013-14	**MSc (Biomedical Science)**	**100**	**-**	**-**	**-**
	MSc (Defence Science)	**-**	**100**	**-**	**-**
	MSc (Earth Science)	**-**	**100**	**-**	**-**
2014-15	**MSc (Biomedical Science)**	**100**	**-**	**-**	**-**
	MSc (Defence Science)	**100**	**-**	**-**	**-**
2015-16	**MSc (Biomedical Science)**	**-**	**100**	**-**	**-**
	MSc (Defence Science)	**-**	**100**	**-**	**-**
	MSc (Bioinformatics)	**100**	**-**	**-**	**-**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	Civil Services	Defence Service	NET	SET	GATE	Others
2014	**01**	**-**	**-**	**-**	**-**	**-**	**PRL-JRF**

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	**NA**
PG to MPhil	**-**
PG to PhD	**1 (PRL)**
Entrepreneurs	**2 Students Involved in Entrepreneurship**

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**100**
from other universities within the State	**-**
from universities from other States	**-**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period:- **Nil**

38. Present details of departmental infrastructural facilities with regard to

   a) Library

   The present stock of 572 books is as follows:

   - **Chemical Sciences: 77 no. of books**
   - **Physical Sciences: 86 no. of books**
   - **Mathamatical and Statistical sciences: 16 no. of books**
   - **Biological Sciences: 85 no. of books**
   - **Earth Sciences: 95 no. of books**
   - **Biomedical Sciences: 51 no. of books**
   - **Defence Sciences: 52 no. of books**
   - **Computer Science: 48 no. of books**
   - **Bioinformatics: 62 no. of books**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	-	-
2011-12	-	-
2012-13	-	-
2013-14	211/0	2,75,313
2014-15	228/0	4,14,219

   b) Internet facilities for staff and students: **Computer Lab (19 Desktop Computers and 3 Laptops**)

   c) Total number of class rooms: **02**

   d) Class rooms with ICT facility: **02**

   e) Students' laboratories: **01**

   f) Research laboratories: **03**

39. List of doctoral, post-doctoral students and Research Associates :

Student Name	Year of Completion	Doctoral, Post-Doctoral and Research Ass.
Harsh J. Oza	**Pursuing (PRL, Ahmedabad)**	**PhD**

   Please do refer Volume-II and URL:
   http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university. **Nil**

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology: **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) Faculty on curriculum as well as teaching-learning-evaluation? If yes, how does the department utilize the feedback?

    The evaluation procedure is posted on the University websiteThe Curricula, scope of the programmes, teaching-learning and evaluation methods are posted on CISST webpage

    b) Students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

    To inculcate holistic interdisciplinary approach rather than getting narrowed up in a single disciplinem Orientation towards research and to enable them to work in R & D sectors (Private and Public), Exposed to Sophisticated Equipments, Equipped with Maths/Statistical tools to analyze the experimental data, Give fairly a general background in fundamentals of basic sciences, To groom the students to be responsible citizens of The Nation equipped with professional ethics and work culture, eager to contribute R&D for National building. We try to communicate this by our own example

    c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Nil**

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Mr. Harsh J. Oza	**PhD Physical Research Laboratory (PRL)**	**MSc (Earth Science)**	**June 2015**
Mr. Suresh Baldaniya	**Entrepreneur**	**MSc (DefencScience)**	**June 2015**
Mr. Saurabh R. Patel	**Entrepreneur**	**MSc (Biomedical Science)**	**June 2015**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

- **Please do refer Volume-II and URL: www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf**

45. List the teaching methods adopted by the faculty for different programmes.

Faculty use conventional and practicals are set using sophisticated equipment. It Enabled tools for teaching

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

By involving experts from different disciplines

47. Highlight the participation of students and faculty in extension activities.

Model demonstrations & Celebration of Days

48. Give details of "beyond syllabus scholarly activities" of the department.**Self Study Course/Seminars/Informal discussion in Classroom**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Not Applicable**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Not Applicable

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **CISST provides a Platform for the students and faculty members of the University on interdisciplinary teaching –learning programs. Also organizes conferences and workshops in the area of interdisciplinary studies.**
• **The interdisciplinary courses running at CISST are framed with the strong support, discussion and interaction with scientists from the national laboratories like Physical Research Laboratory, Space Application Centre, DRDO, NCL, AIIMS, Doctors and surgeons from Medical College and senior Professors from the basic Science Departments of the University and neighbouring Engineering colleges within the campus.**
• **Provides platform for the university to initiate interdisciplinary research projects.**
• **Highly sofisticated experimental facilities installed at CISST under the DST-PURSE program are open for all the users of the University Basic Science Departments and also for other users from Institutes and Industries.**
• **CISST runs innovative interdisciplinary PG courses on Earth Science, Defence Science, Bioinformatics and Biomedical Science with strong support of the University's Basic Science Departments and Scientists, Doctors and Engineers from National Institutes, medical College and neighbouring engineering colleges affiliated to GTU.**
• **Holistic approach in teaching and learning with active components of research is interwoven in the PG programs run by CISST.**

Weaknesses
• **Absence of UG programs and post PG programs like MPhil/PhD in interdisciplinary areas like Earth Science, Defence Science and Bio-Medical Science.**
• **Absence of National level eligibility tests (UGC-CSIR NET) in**

interdisciplinary studies.

- **Lack of permanent core Faculty positions in Interdisciplinary areas.**
- **Lack ofawareness among the students and parents on the interdisciplinary studies.**
- **Lack of major research projects funded by Govt. Agencies in the areas of interdisciplinary studies.**
- **Lack of clear policies that can support persons (In and Out of service) who are interested to contribute to the development of interdisciplinary studies.**

Opportunities

- **CISST has opportunities to begin add-on/elective courses in interdisciplinary areas for other basic science students. CISST can contribute to the true spirit of CBCS by offering its interdisciplinary courses as electives for other basic science programs. Same ways the CISST students can avail some of the basic science courses run by other conventional Departments of the University.**
- **It can support research programs and can frame some UG courses in interdisciplinary studies.**
- **It has possibility of developing inter-departmental collaborative teaching –learning and research programs.**
- **Opportunities exist for developing collaboration (National & International) with industries and research organizations.**
- **It has opportunity to be a hub for inter-departmental interdisciplinary R&D programs.**

Challenges

- **To induce involvement and breaking the mental block of faculty members of the conventional Departments of the university in the areas of Interdisciplinary studies.**
- **The support from the respective BOS of the basic sciences for introducing interdisciplinary elective courses for their students.**
- **Convince the parents and students about the importance of Interdisciplinary studies and areas and their future scopes.**
- **To generate govt. Support and funding for the promotion of interdisciplinary studies.**
- **To create an environment at the University level for identifying and solving challenging problems of cross disciplinary nature.**
- **To generate industrial support and training for the students in the field of interdisciplinary studies.**
- **To convince the stake holders to provide opportunities in the areas of inter- multi-disciplinary studies and research.**
- **Wider acceptability and encouragements for interdisciplinary studies and programs by the society particularly at the rural level.**

52. Future plans of the department.

- **Positive Teaching Environment.**
- **Research Thrust Area & Visiting Faculty Awarded.**

11. DEPARTMENT OF PHARMACEUTICAL SCIENCES

1. Name of the Department: **Pharmaceutical Sciences**

2. Year of the Establishment: **2010**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Science.

4. Names of programmes offered: **MPharm & PhD.**

5. Interdisciplinary programmes and departments involved: **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

7. Details of programmes discontinued, if any, with reasons. **MSc (Bio-informatics) now shifted to the CISST.**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professor	**01**	-	**01**
Assistant Professor	**02**	-	**02 (contractual)**
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr (Mrs) BA Patel	MPharm, PhD	Assistant Professor	Quality Assurance	8.2 Years	14
Miss SJ Parmar	MPharm	Assistant Professor	Quality Assurance	4 Years	13

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Sr. No.	Name of Guest Faculty	Dates of visit	Name of Scheme under which guest was invited
1	Dr V. K. Parmar	-	UGC Visiting
2.	Dr B. N. Suhagiya	-	UGC teacher Exchange
3.	Dr V. K. Parmar	-	UGC Exchange
4.	Dr B. N. Suhagiya	-	Shertha Scheme
5.	Dr Anil Patel	28/02/2015	Shertha Scheme
6.	Dr R.B. Mardia	11/3/2015 & 12/3/2015	Shertha Scheme
7.	Dr Raikundalia		SF
8.	Dr D. I. Brahmbhatt	23/12/2010 & 24/12/2010	SF
9.	Dr Shital Anadjiwala	29/10/2010 & 30/10/2010	UGC Visiting Fellow
10.	Mr Padmin Buch	25/03/2011	UGC Exchange
11.	Dr Upen Pandya	24/01/2011 & 25/01/2011	UGC teacher Exchange
12.	Dr V. K. Sinha	17/03/2012	SF
13.	Dr Sanjiv R. Acharaya	19/03/2012	UGC teacher Exchange
14	Dr V.A.Patel	1/03/2011	SF
15	Dr H.M.Patel	5/10/2011	UGC teacher Exchange

13. Percentage of classes taken by temporary faculty – programme-wise information: **NA**

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
M.Pharm	2010-11	16:5
	2011-12	11:6
	2012-13	4:5
	2013-14	-
	2014-15	2

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**02 (contractual)**

16. Research thrust areas as recognized by major funding agencies.

- **Analytical Method development and Validation**
- **NDDS**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

   Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition : **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

   a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	-	-	-
2011-12	-	-	-
2012-13	17	-	17
2013-14	08	-	08
2014-15	03	-	03
Total	28	-	28

   b) Monographs: **Nil**

   c) Chapters in Books: **01**

   d) Edited Books: **Nil**

   e) Books with ISBN with details of publishers: **Nil**

   f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **32**

   g) Citation Index – range/average: **Nil**

   h) SNIP: **Nil**

i)   SJR: **Nil**

j)   Impact Factor – range/average: **Nil**

k)   h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify): **Nil**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Name of Faculty	Committee Name	National/International/Editorial Board	Place	Date
Dr BA Patel Miss SJ Parmar	**Orientation Course**	**Acadamic Staff College, Sardar Patel University**	**ASC, VV Nagar**	**6-1-2014 to 2-2-2014**
Dr BA Patel Miss SJ Parmar	**Refresher course on ICT Applications**	**Acadamic Staff College, Sardar Patel University**	**ASC, VV Nagar**	**12-12-2014 to 5-1-2014**
Dr BA Patel Miss SJ Parmar	**Hands on Training for Sophisticated Instruments**	**SICART**	**SICART, VV Nagar**	**24-7-2013 to 26-7-2013**
Miss SJ Parmar	**Orientation Course PhD Scholar Interaction**	**Acadamic Staff College, Sardar Patel University**	**ASC, VV Nagar**	**1-3-2015 to 21-3-2015**

28. Student projects: **NA**

percentage of students who have done in-house projects including inter-departmental projects:

The project work is divided in two parts:

1. Major project 2. Minor Project

Minor project: 100% in-house Major project: 80% in-house

percentage of students doing projects in collaboration with other universities/industry/institute Major project: **20% in industry**

29. Awards/recognitions received at the national and international level by

- Faculty**: Nil**
- Doctoral / post doctoral fellows: **Nil**
- Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Year	Nat./ Internat.	Name of Seminar/ Conference/Workshop	Source of Funding	Amt. of Fund (in ₹)	Participant Details
2010-11	**National**	**Recent advances in analytical techniques for pharmaceuticals**	**UGC**	**75,500**	**170**
2011-12	**National**	**Nanotechnology in Drug Delivery: Emerging Trends and Advances**	**UGC**	**83,000**	**278**
2012-13	**National**	**National seminar on novel drug delivery Systems and trends in chemical sciences**	**UGC**	**55,000**	**184**

31. Code of ethics for research followed by the departments

Department rigorously follows the code of research

32. Student profile programme-wise:

Name of the Programme	Applications Received	Selected		Pass percentage	
		Male	**Female**	**Male**	**Female**
MPharm	**Admission through the Admission Committee for Professional Course, Central Admission process, Ahmedabad.**	**43**	**38**	**100**	**100**

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MPharm	**-**	**96**	**04**	**-**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	Civil Services	Defence Service	NET	SET	GATE	Others
2011-12	23	-	-	-	-	23	-
2013-14	01	-	-	-	-	01	-
Total	24	-	-	-	-	24	-

35. Student progression:

Student Progression	Percentage against enrolled
UG to PG	-
PG to MPhil	01
PG to PhD	-
Campus selection	20
Other than campus recruitment	80

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	-
from other universities within the State	100
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **1 (one)**

38. Present details of departmental infrastructural facilities with regard to

   a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	433/7	12,21,640
2011-12	38/0	1,16,624
2012-13	104/0	4,00,000
2013-14	9/0	33,247
2014-15	-	-

   b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

   c) Total number of class rooms: **02**

   d) Class rooms with ICT facility: **02**

   e) Students' laboratories: **02**

   f) Research laboratories: **02**

39. List of doctoral, post-doctoral students and Research Associates :

a)   from the host institution/university: **01**

b)   from other institutions/universities: **01**

Please do refer Volume-II and URL :
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	-	-	-
2011-12	-	02	-
2012-13	-	01	-
2013-14	-	01	-
2014-15	-	02	-
Total	-	06	-

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms Janki Bankimkumar Parikh		
3	2012-13	Mr Jinesh Anilbhai Doshi		
4	2013-14	Ms Rachana Vijaykumar Gohel		
5	2014-15	-		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

a)   does the department utilize the feedback?

     Orally at the end of Semester.

b)   students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

     The feedback from the students is collected and properly analysed in order to promote better protocol for improving teaching-learning-evaluation system.

c)   alumni and employers on the programmes offered and how does the department utilize the feedback?

     The department will now start practicing to ask feedback from alumni and employers.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered
Mehul Katariya	Pfizer	MPharm
Shachi Desai	Bristol Myers Squibb at Syracuse, NY	
Niravkumar Langhneja	Sun Pharmaceutical Industries Ltd	
Tushar Vaja	Sun Pharmaceutical Industries Ltd	
Hiral Dhamecha	Intas Pharmaceuticals Ltd	
Hiral Patel	Cognizant, Bombay.	
Jinesh Doshi	Sunpharma Advance Research Center,vadodara	
Shoumik Roy	Mankind Pharma, Gurgaon	
Rachna Gohel	Alembic Pharmaceuticals Limited, Vadodara.	
Viral Patel	INSPIRE Fellow, Nirma University	

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts. **Nil**

45. List the teaching methods adopted by the faculty for different programmes. **Nil**

    The faculty adopts different methods like Power point presentations, including experimental learning, seminars, Quiz and interactive discussions.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

    Faculty members discuss the outcomes of the department regularly and makes arrangement to conduct supplementary classes and counselling. The students are regularly monitored through exams as well as through their participation in competitions, discussions, etc. These measures give a scope to judge the extent of objectives being fulfilled in designing this course.

47. Highlight the participation of students and faculty in extension activities.

    - **The students had participated in Pharma Enclaves held at Allahabad and Chandigadh respectively in the academic year 2011-12 and 2012-13.**
    - **They have also participated in different conferences.**
    - **Students were also encouraged to participate in University Youth Festival.**
    - **Faculty members also showed keen interest in providing academic services to the near by schools.**

48. Give details of "beyond syllabus scholarly activities" of the department.

    The department organizes Seminars better learning and it also encourages students to participate in symposia and conferences to gain exposure.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **University runs the department on SF basis.**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

    - **76 M.Pharm Dissertations on Analytical method Development and NDDS.**
    - **32 publications have been reported in the journals of repute.**
    - **3 national seminars have been arranged.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
- **Knowledgeable faculty,excellent curriculum,Good Research work Quality research, Good no. of publications**
Weaknesses
- **Lack of suffiecent number of teaching and administrative staff due to pending clearance from Government**
Opportunities
- **Campus placements are offered in pharmaceutical industries, Students can get employment in Govt. Organization**
Challenges
- **To create the state of art analytical laboratory to gear up to the increasing demands in Pharmaceutical industries. Improving the quality of teaching by Strengthening the faculty of the department and strengthening the alumni support.**

52. Future plans of the department.

    Plans related to infrastructure development

    - **Strengthen the department with Infrastructural facilities and Research facilities.**

    Teaching Learning

    - **Encourage the teaching faculty to apply for more no. of Research Projects.**
    - **conducting the seminars frequently to brush up the knowledge by interacting with renowned personalities.**
    - **Conducting invited lectures by inviting Scientist from premier institutes in India.**
    - **Encourage the faculty members to attend Refresher courses, Summer & Winter schools, conferences and seminars.**

12. DEPARTMENT OF BUSINESS STUDIES

1. Name of the Department: **Business Studies**

2. Year of the Establishment: **1964**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of the Commerce.

4. Names of programmes offered: **PhD, MCom (Regular & External), PGDBM & PGDHRD.**

5. Interdisciplinary programmes and departments involved:

   PhD (Interdisciplinary) and with department of management, Social work department of commerce involved.

6. Courses in collaboration with other universities, industries, foreign institutions, etc **NA**

7. Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**02**	**-**	**03**
Associate Professor	**04**	**03**	**04**
Assistant Professor	**07**	**06**	**02**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr SK Bhatt	**MCom, PhD**	**Professor & Head**	**Finance & Accounting**	**28**	**PhD : 09** **MPhil : 25**
Dr PK Rathod	**MCom, MPhil,**	**Professor & Dean**	**Finance & Accounting**	**36**	**PhD : 05** **MPhil : 25**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
	PhD, FDPM (IIM-A)				
Dr CK Sonara	MCom, MEd, PhD	Professor	Finance & Accounting	28	PhD : 01 MPhil : 25
Dr RM Joshi	MCom, PhD, FDPM (IIM-A)	Associate Professor	Marketing Management	33	-
Dr PR Sheth	BBA, MCom (Gold Med), PhD	Associate Professor	HRM/Management	23	PhD : 05 MPhil : 25
Dr DS Mistry	DIM, PGDIM, PGDIFM, MCom, MBA (Finance), PhD, UGC-NET	Associate Professor	Finance & Accounting	15	MPhil : 10
Dr YM Dalvadi	MCom, (Uni First), PhD, PGDIRPM, Certi. in SPSS, FDPM (IIM-A)	Associate Professor	Finance & Accounting	15	PhD : 04 MPhil : 16
Kum DS Rohit	MCom, UGC-NET-JRF	Asst. Professor	Banking/ Management	08	-
SP Machhar	MBA, BE (Computer), UGC-NET	Asst. Professor	Marketing/ Management	07	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Prof. (Dr) M.K Patel (Retired)	Retire Professor	Department of Business Studies	01/10/2015 to 30/09/2017

13. Percentage of classes taken by temporary faculty – programme-wise information: **NA**

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
M.Com	2010-11	62:1
	2011-12	60:1
	2012-13	63:1
	2013-14	53:1
	2014-15	60:1
PGDHRD	2010-11	14:1
	2011-12	14:1
	2012-13	16:1
	2013-14	15:1
	2014-15	14:1
PGDBM	2010-11	9:1
	2011-12	3:1
	2012-13	4:1
	2013-14	-
	2014-15	4:1
M.Phil	2010-11	5:1
	2011-12	5:1
	2012-13	5:1
	2013-14	5:1
	2014-15	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	04+05 (contractual)

16. Research thrust areas as recognized by major funding agencies

- **Finance & Accounts**
- **Entrepreneurship Development and Small Business**
- **Marketing Management**
- **Human Resource Management**
- **Banking**
- **General Management**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of the Principal Investigator/ Co-investigator	Title	Minor /Major	Funding Agency	Amount of Research Grant sanctioned with Letter No. & Date	Duration	Amount of grant released with letter no. and date (year wise details)
Dr D. S. Mistry	Financial Framework : Interrelationship with corporate performance in Selected Indian Automobile Players	Minor	Seed Grant, SPU	35,000/- ; letter no. G/1-SEED GRANT/2015-16/6590 dated 27th January, 2015	1 Yr	₹35,000

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

   Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Sr. No.	Type of recognition	Funding agency	Amount of funds sanctioned with letter no. and date	Duration
1	UGC SAP	UGC-SAP (DRS-II) New Delhi	40,00,000/ No.F.5-24/2013 (SAP-III) Date: 29.01.2014	5 Years

20. Research facility/centre with State, National and International Recognition : **Not Applicable**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Not Applicable**

22. Publications:

   a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	00	00	00
2011-12	00	00	00
2012-13	20	14	06
2013-14	19	09	10
2014-15	16	12	04
Total	55	35	20

   b) Monographs: **Nil**

   c) Chapters in Books: **Nil**

   d) Edited Books: **Nil**

   e) Books with ISBN with details of publishers: **08**

   f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

   g) Citation Index –range/average: **Nil**

   h) SNIP Impact Factor – range/average: **Nil**

   i) SJR: **Nil**

   j) Impact Factor – range/average: **Nil**

   k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad.

Sr. No.	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Month and Year
1	Dr SK Bhatt	Joint Secretary	Indian Commerce Association	Bangalore, Mumbai, Bhubneswar	2012 to 2015

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Sr. No.	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/Society organizing the conference	Month and Year
1	Dr SK Bhatt	Joint Secretary	Indian Commerce Association	Bangalore, Mumbai, Bhubneswar	2012 to 2015

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects **Not Applicable**

    • percentage of students who have done in-house projects including inter-departmental projects
    • percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by **NA**

    • Faculty: **Dr C. K. Sonara, DadabhaiNavroji Award 2014 for Best Research Paper**
    • Student : **Dhaval Sharma, 2014-15**

30. Seminars/Conferences/Workshops organized and the source of funding (national/international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

    The Department is strictly adhered to code of ethics for research that was formulated in the university guidelines formed by Board of research studies. The University is very attentive regarding malpractices and plagiarism in research. The aspect of plagiarism has been controlled and checked by departmental research committees during the resubmission presentation given by the candidate. The foundations of research values are very solid in the University. However, as a preventive measure the department communicated to all the research students to verify before submission about the plagiarism.

32. Student profile programme-wise:

Name of the Programme	Year	Applications Received	Selected		Pass percentage	
			Male	Female	Male	Female
MCom	2010-11	429	259	256	100	100
	2011-12	460	214	224	100	100
	2012-13	415	242	214	100	100
	2013-14	125	248	194	100	100
	2014-15	499	-	-	100	100
MPhil	2010-11	-	14	16	100	100
	2011-12	105	15	15	100	100
	2012-13	101	09	22	100	100
	2013-14	110	11	18	100	100
	2014-15	101	-	-	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MCom	87	10	02	01
MPhil	87	10	02	01
PhD	87	10	02	01
PGDBM	87	10	02	01
PGDHRD	87	10	02	01

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Sr. No.	Name of Examination	Year (numbers only)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	NET	-	03	03	09	-
2	GSET	-	-	-	-	04

35. Student progression:

Student Progression	2011-12	2012-13	2013-14	2014-15	2015-16
No. of students (UG to PG)	438	456	442	440	462
No. of students (PG to MPhil)	30	31	29	30	35
No. of students (PG to PhD)	-	-	-	14	29

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**89**
from other universities within the State	**11**
from universities from other States	**-**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period.

   Most of the faculties have already been awarded PhD and MPhil prior to the assessment period.

38. Present details of departmental infrastructural facilities with regard to

   a) Library:

   Print (books, back volumes and theses) : 2,614 Books

   Electronic (e-books, e-journals) : 24 e-Journals

   b) Internet facilities for staff and students: **All the faculty members and students are availing of the facilities of internet in the department.**

   c) Total number of class rooms: **09**

   d) Class rooms with ICT facility: **06**

   e) Students' laboratories: **Nil**

   f) Research laboratories: **Nil**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	237/0	92,795
2011-12	02/0	840
2012-13	155/0	1,50,000
2013-14	-	-
2014-15	-	-

39. List of doctoral, post-doctoral students and Research Associates:

   2012-13
   1. **Divyesh Vyas, Supervisor: Dr PK Rathod**
   2. **Gaurang C Barot, Supervisor: Dr SK Bhatt**
   3. **Mahesh R Prajapati, Supervisor: Dr S.K.Bhatt**
   4. **Gautam V Mistry, Supervisor: Dr SK Bhatt**
   5. **Raghavbhai M Patel, Supervisor: Dr SK Bhatt**
   6. **Chinmayee J Bhatt, Supervisor: Dr CK Sonara**
   7. **Mrs. Tejorati Prabhu, Supervisor: Dr PR Sheth**
   2013-14
   8. **Viral H Kachhia Patel, Supervisor: Dr SK Bhatt**
   9. **Falguni Solanki, Supervisor: Dr SK Bhatt**
   10. **Ankita R Brahmbhatt, Supervisor: Dr PR Sheth**

11. **Ashwin Patel, Supervisor: Dr PR Sheth**
2014-15
12. **Divyang Brahmbhatt, Supervisor: Prof (Dr) PK Rathod**
13. **Jaimin Trivedi, Supervisor: Prof (Dr) PK Rathod**
14. **Nilesh Shah, Supervisor: Prof (Dr) PK Rathod**
15. **Dharmeshkumar K. Raj, Supervisor: Prof (Dr) PK Rathod**
16. **Khyati J Patel, Supervisor: Prof (Dr) SK Bhatt**
17. **Nirav S Joshi, Supervisor: Prof (Dr) SK Bhatt**
18. **Miss Poruedee Jarasponj Khlungkorn (Foreign Students), Supervisor: Prof. (Dr) SK Bhatt.**

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr PK Rathod		**Divyesh Vyas**	**An in-depth study on Financial Analysis of Glassline Vessels and its Allied Industry in India.**	**Part Time**
Dr SK Bhatt	**Apr 2012**	**Gaurang C Barot**	**A Comparative Study of Selected micro-finance institutions in Gujarat.**	**Part Time**
	Apr 2012	**Mahesh R Prajapati**	**Accounting Practices in -Business: A Study of Wholesalers and Retailers in Gujarat.**	**Part Time**
	Jun 2012	**Gautam V Mistry**	**The Impact of Dividend Policy on Shareholder's Wealth of selected Major Pharmaceutical Units in India.**	**Part Time**
	Nov 2012	**Raghavbhai M Patel**	**Policies and Practices of Fund Management of District Co-operative Banks (DCCBS) for Uplifting rural areas of Gujarat.**	**Part Time**
Dr CK Sonara	**Jan 2013**	**Chinmayee J Bhatt**	**An analytical study of financial performance of selected nationalized banks in India.**	**Part Time**
Dr PR Sheth	**05/10/2012**	**Mrs Tejorati Prabhu**	**Role of GIDC in developing Engineering and Chemical industrial units in Vadodara and Bharuch Districts**	**Part time**

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

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40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	13	15	44
2011-12	06	11	29
2012-13	17	06	61
2013-14	20	13	61
2014-15	22	15	81
Total	78	60	276

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	-		
3	2012-13	Ms Punita Dhansingh Rajpurohit	₹10,000	Kashiben and Gordhanbhai Patel Scholarship
4	2013-14	Ms Nilamben Mukundbhai Suthar Mr Pratik Vijaykumar Majmudar		
5	2014-15	Mr Kuldeepsingh Bhupendersingh Dhillon		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The University has a well organised system of curriculum design and development. Each Department has a Board of Studies at UG & PG levels consisting of experts from the faculty of the Department and from other Universities, representatives from industry and student representatives. Concerned subjects in different departments are grouped as one faculty and a senior teacher is nominated as the Chairperson. The Boards of Studies scrutinize two issues i.e., need assessment and feedback from the stakeholders before designing and developing the curriculum.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) does the department utilize the feedback?

    Yes.

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

    Through Feedback sheets as given in the NAAC Manual.

    c) alumni and employers on the programmes offered and how does the department utilize the feedback?

    Periodically in meetings. The Feedback is used to revise courses.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Prof (Dr) PH Vyas	**Vice-Chancellor, MS University of Baroda**	**PhD**	**2000**
Dr Manjula Subhramanium	**Former Principal Secretary, Government of Gujarat.**	**PhD**	**1997**
Dr Nikhil Zaveri	**Principal, SEMCOM**	**MCom, PhD**	**1999**
Dr PK Rathod	**Dean, Faculty of Business Studies.**	**MCom,**	**1979**
Dr BA Prajapati	**Former VC, VNSGU**	**MCom, PhD**	**1993**
CA Dr Ravi Taneja	**Manager, Gujarat Gas, Gandhinagar**	**PhD**	**2010**
Dr SJ Bhayani	**Director, MBA Program, Saurashtra University**	**MCom, MPhil**	**1991**
Dr KD Vasava	**VC, BabasahebAmbedkar Open University, Ahmedabad.**	**MCom, PhD**	**1977**
Dr DC Gohel	**Head and Dean, Commerce Dept, Saurashtra University**	**MCom, MPhil**	**1985**
Dr NN Patel	**Principal, ACC, Anand**	**MCom, PhD**	**1991**
Dr Karsandas Soneri	**Former Minister of State, Govt. Of Gujarat.**	**PhD**	**1981**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

**Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf**

45. List the teaching methods adopted by the faculty for different programmes.

The teaching pedagogy includes class room instruction with help of audio visualaids particularly PPT presentations, case study method, organizing businessgames, simulation methods, role play, group discussion, brain storm session,business quiz, seminar presentations, industry profile, organization of local industrial visits, guest lectures by invited speakers and the like.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Each and every programme is monitored throughout the period to ensure conformity with what has been set as course objectives and learning outcomes. The methods adopted for the purpose includes continuous assessment, observations, semester end tests and results, participations in competitions, contributions of new thoughts and ideas, and innovativeness and leadership.

47. Highlight the participation of students and faculty in extension activities. **Nil**

48. Give details of "beyond syllabus scholarly activities" of the department.

   Blood donation camp, Eye check-up camp, Community services, Thellesamia Awareness Programme, Tree Plantation.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Sr. No.	Name of Guest Faculty	Dates of visit	Title of lecture/s delivered	Name of Scheme under which guest was invited
1	Prof HN Agrawal	17/02/2011	Fundamentals of Research in Commerce and Management and Research Design	Visiting Fellow Scheme
2	Dr DJ Danak	27/09/2010	Basic Concept of Management Control System	Shri Ishwarbhai Patel (Shertha) Visiting Professor Fellowship Programme
3	Retd Prof NM Khandelwal	26/12/2011	Finance	Visiting Fellow Scheme
4	Retd Prof NM Khandelwal	30/12/2011	Strategic Management Accounting for Decision Making	Shri Ishwarbhai Patel (Shertha) Visiting Professor Fellowship Programme
5	Dr CK Patel	19/01/2015	Management	Shri Ishwarbhai Patel (Shertha) Visiting Professor Fellowship Programme
6	Dr Hemant Trivedi	3/08/2015	Research Methodology	Visiting Fellow Scheme
7	Dr DC Gohil	16/2/2015	Career Planning	Visiting Fellow Scheme

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Endowed with quality faculties with numerous years of experience.   **Image of the Sardar Patel University.**   **Infrastructure Facilities readily available.**   **Innovative Teaching Methods.**   **There are many optional courses available for students at the postgraduate level, keeping their specialized needs in mind.**   **Student friendly and supportive teaching and non-teaching staff.**   **Two Post-Graduate Diploma Programs.**
Weaknesses
In availability of technology such as smart class rooms.   **Lack of funds is a major problem which results in the inadequacy of proper hi-tech equipment such as laptops, LCD projectors and sound systems etc.**   **Library infrastructure inadequate, especially for digitizing rare documents.**   **The departments needs a seminar room.**
Opportunities
Active faculty members with prolific research output and varied interests.   **UGC-funded DRS on popular culture.**   **Student and faculty exchange programmes with European and Bangladeshi universities.**   **Inter-departmental courses in collaboration and conjunction with other departments in the university.**   **Digitizing texts for the benefit of students.**
Challenges
Competition with other colleges and universities.   **Financial Resources.**   **New courses and avenues of learning for students.**   **Modern Infrastructure set-up for the students.**   **To invite more number of applications from the students in Gujarat and india.**

52. Future plans of the department.

- **Extension Activities in the communities.**
- **Acceptance of Ultra-Modern technology in Library and Learning Pattern.**
- **Introduction of New Employment Oriented Courses.**
- **Launching of Departmental E-Journal.**
- **Organizing International Conferences.**
- **Student, Faculty Exchange Program in India as well as in Abroad.**

13.   DEPARTMENT OF BUSINESS MANAGEMENT

1. Name of the Department: **Business Management**

2. Year of establishment: **1982**

3 Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Management.

4. Names of programmes offered: **MBA and PhD.**

5. Interdisciplinary programmes and departments involved. **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

7. Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**03**	**-**	**05**
Associate Professor	**04**	**03**	**-**
Assistant Professor	**05**	**04**	**02+01 (contractual)**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/ MPhil students guided for the last 4 years
Prof (Dr) RP Patel	**PhD**	**Director and Head**	**Management, Consumer Behaviour, Advertising, Marketing Research**	**35**	**05**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/ MPhil students guided for the last 4 years
Prof (Dr) YC Joshi	PhD	Professor	Economics, International Business, Human Development	27	04
Prof (Dr) (Mrs) DR Dave	PhD	Professor	Communication, Marketing Management, Research Methodology	22	07
Prof (Dr) PK Priyan	PhD	Professor	Financial Management, Management Control System, Investment Management	27	05
Dr RM Rathod	PhD	Professor	General Management, Marketing Management, Marketing of Services	14	-
Dr KS Prasad	PhD	Assistant Professor	Business Policy and Strategic Management , Human Resource Management	13	01
Dr AC Mehta	PhD	Assistant Professor	Accountancy & Finance, Banking, Corporate Tax Planning	13	-
Mr RK Singh	BE, MBA	Adhoc Lecturer (Left)	Quantitive Techniques, Production Management	01	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**

13. Percentage of classes taken by temporary faculty – programme-wise information: **10**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MBA	2010-11	20:1
	2011-12	23:1
	2012-13	23:1
	2013-14	23:1
	2014-15	23:1
PhD	2010-11	6:1
	2011-12	6:1
	2012-13	6:1
	2013-14	6:1
	2014-15	6:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	07	05	03+04 (contractual)

16. Research thrust areas as recognized by major funding agencies

    Human Development. Consumer Research in Rural Areas.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration:

    - **A project on preparation of District Human Development Report (DHDR) has been completed for The Dangs district of Gujarat in collaboration of Economics Department, MSW department of the Sardar Patel University.**
    - **A project on preparation of District Human Development Report (DHDR) has been completed for Panchmahals district of Gujarat in collaboration of Economics Department, MSW department and Statistics department of the Sardar Patel University.**
    - **Two projects sponsored by Election Commission of India (ECI) on the topic of 1) Baseline study of Knowledge, Attitude, Belief and Practices among electors in Gujarat before Assebly Election and 2) End line study on electors of Gujarat after Assebly Election to study Knowledge, Attitude, Behaviour, Beliefs and Practices was undertaken by the department wherein faculty of the department have different specialization were involved.**

- **Under SAP-I programme of UGC, New Delhi research on Consumer education and protection was undertaken. Initially SAP-I pprogramme research was done during 2005-06 to 2009-10 for five years. Since 2011 SAP-II grants from UGC have been received to further continue research on Consumer Research in Rural areas in Gujarat. The five years of SAP-II will be completed in 2015-16. Further, in case of projects for doing research collaboration among faculty of related departments in social sciences is encouraged on a continuous basis. Under Innovative research programme and Centre of Excellence of the UGC, New Delhi the Business Management department has send an application along with research proposal on establishment of Research on Micro, Small and Medium Enterprises (MSME) sector under Centre for Excellence to the University Grants Commission New Delhi. This proposal was submitted in collaboration with Department of Economics, Sardar Patel University. The University is likely to receive sanction and grant for this Centre of Excellence soon.**
- **In Business Management department practicing experts speakers from other areas of economy and business are regularly invited to deliver lectures under various schemes, programmes and courses. Speakers from legal, taxation, marketing, e business and e commerce, banking, finance, human resource, retail, social media, CSR, capital markets, insurance and others are invited on regular basis to interact with students and faculty.**
- **The department is endowed with Corporation Bank Chair for undertaking research and academic activities in the department. The department organizes extension lectures regularly every year on current topics and issues related to banking and finance for students of Business Management.**

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
SAP-II grants	**UGC, New Delhi**		
Consumer Research in Rural Areas	**UGC, New Delhi**	₹33 Lakhs + Project Fellow F.5-2/2012(SAP-III)	**2012-16**
Consumer Behavior and Impulse Buying for Organized Retail Stores in Gujarat	**UGC, New Delhi**	₹6,94,700, F. No. 5-486/2012 (HRP), 08-08-2012	**2012**
District Human Development Report Panchmahal	**Government of Gujarat**	₹4.60 Lakhs	**2011**
Consumer Research In Rural	**UGC, New Delhi**	₹33 Lakhs + Project Fellow	**2011-16**

Name of Project	Funded by	Total Grant Received	Year
Areas		F.5-2/2011(SAP-III)	
District Human Development Report of Panchmahal District	Government of Gujarat	₹4,59,650	Commence from Apr 2011

20. Research facility/centre with State, National and International Recognition : **Not Applicable**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Not Applicable**

22. Publications:

   a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	10	10	-
2011-12	17	14	03
2012-13	14	10	04
2013-14	14	08	06
2014-15	17	15	02
Total	55	42	13

   b) Monographs: **Nil**

   c) Chapters in Books: **05**

   d) Edited Books: **Nil**

   e) Books with ISBN with details of publishers: **18**

   f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

   g) Citation Index – range/average: **Nil**

   h) SNIP: **Nil**

   i) SJR: **Nil**

   j) Impact Factor – range/average- **2-6**

   k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated:

Year	Consultancy Provided to	Area	Income Generated
2010-11 to 2014-15	Election Commission of India	Baseline study of Knowledge, Attitude, Belief and Practices among electors in Gujarat before Assebly Election and 2) End line study on electors of Gujarat after Assebly Election to study Knowledge, Attitude, Behaviour, Beliefs and Practices	₹30 Lakhs

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

   - **Member of UGC Expert Committee- H.J.Jani, R.P.Patel, Y.C.Joshi**
   - **Member of NAAC Committee – H.J.Jani**
   - **Member on research advisory committee of various universities- H.J.Jani, R.P.Patel, Y.C.Joshi, D.R. Dave, P.K.Priyan**

Name of Faculty	Committee Name	National/International/ Editorial Board
Prof RP Patel	**Synergy**	**National**
Prof YC Joshi	**Synergy**	**National**
Prof DR Dave	**Synergy**	**National**
Prof PK Priyan	**Synergy**	**National**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

   Please do refer Volume-II and URL: www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

   - percentage of students who have done in-house projects including inter-departmental projects: **100**
   - percentage of students doing projects in collaboration with other universities/industry/institute: **Compulsory three projects for all the**

students of MBA during two years.-Summer project, comprehensive projects –I and II in industry.

29. Awards/recognitions received at the national and international level by

   • Faculty: **Yogesh C. Joshi "Shri Dadabhai Navroji Prize for Publishing academics papers of high quality in national and international of high reputation during the calendar year 2014.**
   • Doctoral / post doctoral fellows: **Nil**
   • Students: **Four at state level competition at various management. institutes**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

   Please do refer Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

   Research undertaken is as per the general ethical standards and on issues pertaining to rural areas and social concerns as well.

32. Student profile programme-wise:

Name of the Programme	Applications received	Selected		Pass percentage	
		Male	**Female**	**Male**	**Female**
MBA	**Admissions through CMAT**	**70**	**30**	**100**	
		81	**19**		
		78	**22**		
		80	**20**		

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MBA	-	-	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise.

Year	NET	SET	GATE
2012	**2**	-	-

35. Student progression:

Student Progression	Percentage against enrolled
UG to PG	**NA**
PG to MPhil	**-**
PG to PhD	**1 (through PhD Entrance Test)**

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**29**
from other universities within the State	**43**
from universities from other States	**28**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period**: Nil**

38. Present details of departmental infrastructural facilities with regard to

a) Library : **Books: 14,160, Newspapers: 06, Periodicals, and Journals: 75 are available in Department Library.**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	**05/0**	**1,848**
2011-12	**-**	**-**
2012-13	**279/9**	**2,50,000**
2013-14	**-**	**-**
2014-15	**-**	**-**

b) Internet facilities for staff and students: **All the staff members have computer and internet connectivity at their desk. There is a full-fledged computer lab with internet connection for all the students.**

c) Total number of class rooms: **06**

d) Class rooms with ICT facility: **06**

e) Students' laboratories: **Yes (Computer Lab-1)**

f) Research laboratories: **Yes**

39. List of doctoral, post-doctoral students and Research Associates :

**Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf**

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	**01**	**03**	**09**
2011-12	**16**	**05**	**11**
2012-13	**-**	**04**	**-**

Year	SC scholarship	ST scholarship	OBC scholarship
2013-14	03	05	14
2014-15	04	07	20
Total	24	24	54

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	Mr Jaymitkumar Vasantlal Chauhan Ms Roma Parsottam Yadav	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms Jaymitkuamr Vasantlal Chauhan		
3	2012-13	Ms Shweta Dineshkumar Godhani		
4	2013-14	Ms Binaya Parajuli		
5	2014-15	Mr Gokarn Bahadur Birendra Karkee		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

    The University has a well organised system of curriculum design and development. Each Department has a Board of Studies at UG & PG levels consisting of experts from the faculty of the Department and from other Universities, representatives from industry and student representatives. Concerned subjects in different departments are grouped as one faculty and a senior teacher is nominated as the Chairperson. The Boards of Studies scrutinize two issues i.e., need assessment and feedback from the stakeholders before designing and developing the curriculum.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) does the department utilize the feedback?

       Yes. The Practicable suggestions are incorporated in the teaching pedagogy and also incorporated in the time of revision.

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

       Yes. The Practicable suggestions are incorporated in the teaching pedagogy and also incorporated in the time of revision.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Yes. The Practicable suggestions are incorporated in the teaching pedagogy and also incorporated at the time of revision such introducing new course, updating the existing course etc.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered
Abhilash Nair	Professor, IIM Kozhikode	MBA
Ajay Saini	Director, SM Impex	
Alpesh Pathak	Head, Patent Cell, Alembic Ltd.	
Amit Desai	MD, Hanmer Advertising	
ArunMenon	President, North America, Claris Life Sciences.	
Ashok Methew	Senior Manager, Sales and Marketing, Reprotronics.	
Devang Joshi	Registrar, Changa Education Campus	
DhavalUpadhyay	Area Sales Manager, Troika Lab	
Hardik Shah	Head, Marketing and Tech. ED Systems.	
Jignesh Shah	Manager, Info and Development Research	

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

The teaching methods adopted by the faculty members include lecture methods, seminars, project work, assignments, field visits, interactive learning and experiential learning.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

MBA is monitored throughout the period to ensure conformity with what has been set as course objectives and leaning outcomes. The methods adopted for the purpose includes continuous assessment, observations, semester end tests and results, participations in competitions, contributions of new thoughts and ideas, and innovativeness and leadership.

47. Highlight the participation of students and faculty in extension activities.

- **Undertaken ECI project study on KABBP baseline as well as Endline survey in Gujarat. Undertaken DHDR preparation in districts of The Dangs and Panchamahals.**
- **Participation in Swachha Bharat Abhiyan**
- **Tree Plantation**
- **Blood Donation Camp**
- **Alumni Meet organized every year**

48. Give details of "beyond syllabus scholarly activities" of the department.

Organizing student seminars, technical quiz, group discussion, event exhibition,state of art technology awareness programme, arranging expert lectures fromindustry& research institutions, encouraging students to competitions and paperpresentation in the conferences.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **UGC-NAAC, AICTE**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Sr. No.	Name of the Programme	Year of Commencement	Inspiration from National Programme/Industry requirement
1	Spoken Tutorial Project offered by IIT Mumbai National Mission on Education through ICT, MHRD, Govt. of India	2015	Inspiration from national Programme
2	SCOPE project, lab established	2014	State Government

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Registering 100% or more Placements for eligible pass out every year.   **Faculty members are actively involved in conducting research projects and research consultancy.**   **Department has got UGC SAP-I and UGC SAP-II which is rare achievement.**   **Our department is 26 years old and we have very strong base of Alumni who are successfully placed in reputed companies and many of them turned to be entrepreneurs.**   **We have a team of experienced and well qualified faculty members.**   **Very good infrastructure (Computer Lab., Library, Hostel, Scope Language Lab. and a furnished auditorium).**   **One of the reputed management Institutes in Gujarat getting top class**

students in centralized admission process.

- Effective Teaching and Learning though Projects, Case Study, Discussion, and Simulation game etc.
- We follow continuous evaluation system with relative grading system since the inception of MBA Programme.
- Inviting guest faculty in each subject including industrialist, subject experts, practitioners and faculty from renowned institutes.
- Department publishes its own Management Journal – Synergy continuously since 1998.
- Every year we get good number of foreign students from countries such as Nepal, Bangladesh, Thailand, Oman.

Weaknesses

- Location disadvantage as compared to Ahmedabad and Baroda.
- Late beginning of First Semester because of delay in centralized admission process.
- We do not have full strength of staff as per sanctioned post hence we could not offer more specializations to students.

Opportunities

- Leverage the brand image of our department.
- Attract more foreign students for PG as well as PhD programme.
- Can start evening MBA course for executives.
- Can start MPhil programme in Management.
- Can add more specialization.
- Attract more multinational companies to come for placement.
- Scope for improvement in infrastructure.
- Enhance research consultancy activities.
- Collaboration with foreign institutes.

Challenges

- Shortage of teaching staff.
- Delay in administrative process and maintenance of existing infrastructure problems.
- Dealing with students from rural areas with poor language proficiency.
- Upgrade the infrastructure through Government system.
- Attract students from other states and countries.
- To get more research consultancy projects.

52. Future plans of the department.

- **G.H Patel Post Graduate Department of Business and Management is very dynamic in nature. So futuristic approach is done as per the situations. We are well built to handle any future challenge with courage.**
- **Maintaining and improving quality of teaching and research.**
- **Improving infrastructure further to suit the 21st century learning needs.**

14. DEPARTMENT OF EDUCATION

1. Name of the Department: **Education**

2. Year of the Establishment: **1964**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MEd, MPhil & PhD.**

5. Interdisciplinary programmes and departments involved: **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc: **Nil**

7. Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments. **CIIST, Home Science, Biosciences**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**01**	**01**
Associate Professor	**03**	**02**	**03**
Assistant Professor	**03**	**01**	**-**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr PP Patel	**MSc, MEd, PhD**	**Professor and Head**	**Retired**	**19**	**PhD : 07**
Dr MK Yagnik	**MCom, MEd, PhD**	**Professor**	**Philosophy of Education, Guidance & Counseling,**	**23**	**PhD : 06**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
			Education, Management		
Dr AB Kagathala	MCom, MEd, PhD	Associate Professor	Retired	25	PhD : 11
Dr KS Likhia	MSc, MEd, PhD	Associate Professor	Retired	20	PhD : 04
Dr MA Chotalia	MA, MEd, PhD	Associate Professor	Philosophy of Education, Guidance & Counseling, curriculum development	14	PhD : 02

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**

13. Percentage of classes taken by temporary faculty – programme-wise information: **Nil**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MEd	2010-11	$35 \div 5 = 7$
	2011-12	$35 \div 5 = 7$
	2012-13	$36 \div 5 = 7.2$
	2013-14	$33 \div 4 = 8.25$
	2014-15	$34 \div 4 = 8.5$

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	02+02 (contractual)

16. Research thrust areas as recognized by major funding agencies: **Nil**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

   Nil

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

   Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition : **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

   a) Number of papers published in peer reviewed journals (national/ international) Nil

   b) Monographs: **Nil**

   c) Chapters in Books: **Nil**

   d) Edited Books: **Nil**

   e) Books with ISBN with details of publishers: **Nil**

   f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

   g) Citation Index – range/average: **Nil**

   h) SNIP: **Nil**

   i) SJR: **Nil**

   j) Impact Factor – range/average: **Nil**

   k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify)

Sr. No.	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/ Society organizing the conference	Month and Year
1	**Dr KS Likhia**	**Member**	**Human rights education**	**NH Patel college of Education Anand College of Education**	**2013-14**
2	**Dr MK Yagnik**	**Member**	**Human rights education**	**Petlad College of Education**	**2014-15**
3	**Dr MA Chotalia**	**Member**	**Quality of teacher education**	**Ipkowala college of Education, Petlad**	**2014-15**
4	**Dr KS Likhia**	**Member**	**Prabuddha n**	**All India Association of**	**2013-14**

Sr. No.	Name of Faculty member	Position in Steering Committee	Name of Conference	Name of organization/ Society organizing the conference	Month and Year
			International Seminar	Education Research, Gujarat Chapter	
5	Dr MK Yagnik	Member	Prabuddhan International Seminar	All India Association of Education Research, Gujarat Chapter	2013-14
6	Dr MA Chotalia	Member	Prabuddhan International Seminar	All India Association of Education Research, Gujarat Chapter	2013-14

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs). **Nil**

28. Student projects

    - percentage of students who have done in-house projects including inter-departmental projects: **Nil**
    - percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by

    - Faculty:

Sr. No.	Name of Faculty member	Title/Type of recognition conferred	Year in which recognition was conferred	Recognition conferring body	National /International
1	Dr MK Yagnik	Man of the year	2003	US Biographies	International

    - Doctoral / post doctoral fellows: **Nil**
    - Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any. **Nil**

31. Code of ethics for research followed by the departments:

    As per the university guidelines framed from time to time.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MEd	2010-11	Common Admission Cell	17	18	100	100
	2011-12		19	17	100	100
	2012-13		18	20	100	100
	2013-14		18	16	100	100
	2014-15		17	18	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MEd	90	10	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Sr. No.	Name of Examination	Year (numbers only)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	MEd-I Sem.	35	30	-	29	34
2	MEd-II Sem.	34	-	37	33	34

35. Student progression: **Not Applicable**

36. Diversity of staff: **Nil**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	63/8	1,59,740
2011-12	02/0	44,894
2012-13	52/0	1,50,000
2013-14	60/0	30,360
2014-15	66/0	30,335

b)   Internet facilities for staff and students: **Yes**

c)   Total number of class rooms: **03**

d)   Class rooms with ICT facility: **01**

e)   Students' laboratories: **Computer Laboratory**

f)   Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

2011-12

1. **Taweesak Kakkaew, Supervisor: Dr VD. Mogaria**
2. **Lawan Trinet, Supervisor: Dr VD Mogaria**
3. **Taweesri Jun-Eam, Supervisor: Dr MK Yagnik**
4. **Kittipong Pipatsivapong, Supervisor: Dr MK Yagnik**
5. **Kiran Virajibhai Jivani, Supervisor: Dr VV Baraiya**

2012-13

6. **Kaumudi Sharadkumar Bhartiya, Supervisor: Dr PK Yagnik**
7. **Manojkumar Chhelbhai Talajiya, Supervisor: Dr PK Yagnik**
8. **Sandeep Ramanlal Lad, Supervisor: Dr PA Patel**
9. **Ushadevi Shreegopal Sharda, Supervisor: Dr PA Patel**
10. **Sak Inpirud, Supervisor: Dr PA Patel**
11. **Rita Anup Basu, Supervisor: Dr Sulbha Natraj**
12. **Tararat Ruangjit, Supervisor: Dr VD Mogaria**
13. **Phoothorn Chanthahong, Supervisor: Dr VD Mogaria**
14. **Watchira Saksanit, Supervisor: Dr VD Mogaria**
15. **Nilesh Babubhai Gajjar, Supervisor: Dr MR Solanki**
16. **Nileshkumar Shrikantbhai Pandya, Supervisor: Dr Mahendra Chotalia**
17. **Nishant Sharadkumar Joshi, Supervisor: Dr MR Patel**
18. **Busaba Tawai, Supervisor: Dr AB Kagathala**
19. **Wichian Phumphuang, Supervisor: Dr AB Kagathala**
20. **Luksika Meekusol, Supervisor: Dr AB Kagathala**
21. **Gurangbhai Babubhai Patel, Supervisor: Dr AB Kagathala**
22. **Chatra Klodpeng, Supervisor: Dr AB Kagathala**

2013-14

23. **Oratai Kirdpibal, Supervisor: Dr KS Likhia**
24. **Narong Sopa, Supervisor: Dr KS Likhia**
25. **Dharmisthaben Khumansinh Solanki, Supervisor: Dr KS Likhia**
26. **Pratixa Krushnakant Shah, Supervisor: Dr AB Kagathala**
27. **Jayesh Mangaldas Patel, Supervisor: Dr AB Kagathala**
28. **Jaydip Purusottamdas Parmar, Supervisor: Dr MR Patel**
29. **Deepalee Ambalal Mahida, Supervisor: Dr Sulbha Natraj**
30. **Prabhatbhai Maganbhai Kasra, Supervisor: Dr IN Vaghela**
31. **Mayurkumar Dajibhai Parmar, Supervisor: Dr Nusrat Kadri**
32. **Pathanee Sakdechanon, Supervisor: Dr PP Patel**
33. **Kingpet Ngoenthong , Supervisor: Dr PP Patel**
34. **Dipali Bhupendra Gandhi, Supervisor: Dr VT Bhamwari**
35. **Bijalben Rajeshbhai Mistry, Supervisor: Dr V T Bhamwari**
36. **Bharatkumar Kanabhai Parmar, Supervisor: Dr VT Bhamwari**
37. **Jaykarbhai Shantilal Mecwan, Supervisor: Dr PK Yagnik**

38. Kusumarn Prasertsri, Supervisor: Dr MK Yagnik

39. Anilkumar Kanjibhai Varsat, Supervisor: Dr Nusrat Kadri

40. Chiragbhai Mahendrabhai Darji, Supervisor: Dr Rasida Diwan

2014-15

41. Mitesh Jagdischandra Doshi, Supervisor: Dr AB Kagathala

42. Sunilkumar Harjivanbhai Dethariya, Supervisor: Dr AB Kagathala

43. Maheshkumar Kanubhai Chaudhary, Supervisor: Dr AB Kagathala

44. Traithep Hoko, Supervisor: Dr PP Patel

45. Harnpakorn Lordngien, Supervisor: Dr PP Patel

46. Ashish Girishbhai Thaker, Supervisor: Dr MK Yagnik

47. Vaibhaviben Pradymanbhai Dave, Supervisor: Dr MK Yagnik

48. Tejendrakumar Vitthalbhai Patel, Supervisor: Dr MB Solanki

49. Narmadaben Ratilal Patel, Supervisor: Dr DU Patel

50. Manishkumar Hiralal Sevek, Supervisor: Dr DU Patel

51. Nileshkumar Manharlal Gandhi, Supervisor: Dr JJ Rana

52. Wisute Tongdecharoen, Supervisor: Dr KS Likhia

53. Ramesh Mavjibhai Patoliya, Supervisor: Dr BN Pandya

54. Amrutlal Kodarlal Modhpatel, Supervisor: Dr NR Patel

55. Jenifar Ashokkumar Christian, Supervisor: Dr DG Patel

56. Prernaben Paulbhai Macwan, Supervisor: Dr UK Kher

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	05	06	05
2011-12	-	03	05
2012-13	04	0	05
2013-14	05	05	07
2014-15	02	07	10
Total	16	21	32

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Ms VJ Kothari	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
3	2012-13	Ms RR Patel		
4	2013-14	Ms PP Rathod		
5	2014-15	Mr VM Patel Ms AS Patel		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback? **Yes**

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **The feedback is communicated to the faculty members for improvement.**

   c) alumni and employers on the programmes offered and how does the department utilize the feedback? **The feedback is discussed among faculty and Board of Studies.**

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing	Any Other Remarks
Dr Neepa Bharucha	**Teaching**	**Education**	**-**	**MBPCE**
Dr Alka Macwan	**Teaching**	**Education**	**-**	**MBPCE**
Dr Ushaben Kher	**Teaching**	**Education**	**-**	**MBPCE**
Dr BN Pandya	**Teaching**	**Education**	**-**	**MBPCE**
Dr DG Patel	**Teaching**	**Education**	**-**	**MBPCE**
Dr Jayshri Dave	**Teaching**	**Education**	**-**	**MBPCE**
Dr PK Yagnik	**Teaching**	**Education**	**-**	**Anand Education College, Anand**
Dr Divyesh Patel	**Teaching**	**Education**	**-**	**NM Vaidya College, Ahmedabad**
Dr Rajesh Bhatt	**Teaching**	**Education**	**-**	**SPEC, Bakrol**
Dr Nishant Joshi	**Teaching**	**Education**	**-**	**HM Patel Institute of Teaching & English**
Ms Rutisha Desai	**Teaching**	**Education**	**-**	**-**
Ms Nirali Soni	**Teaching**	**Education**	**-**	**PhD Student**
Mr Chetan Chauhan	**Teaching**	**Education**	**-**	**PhD Student**
Mr Gopal Bharwad	**Teaching**	**Education**	**-**	**PhD Student**
Mr Rahul Rabari	**Teaching**	**Education**	**-**	**Government Teacher**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

   Please do refer Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

   Lecture method, Discussion, Group discussion, Limited use of models of teaching generally concept attainment, synectics, advance organizer, in every period at least 10 minutes are devoted for raising questions and compliments from the students. Department also organize orientation programme for field based experiences. Debates are also organized for contemporary issues on education, teacher education and allied aspects. Seminar is also one of the important components and students present their seminar in presence of the supervisor.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

   The curriculum aspects are well considered along with the objectives and try to develop critical awareness among the students. The students are given assignment based on curriculum units. The learning out comes are well kept in mind while evolving the process of academic nature.

47. Highlight the participation of students and faculty in extension activities.**Nil**.

48. Give details of "beyond syllabus scholarly activities" of the department.

   Debate on contemporary issues, Reading and organizing reference material students have to prepare research proposal for the dissertation work and they are given required material for the development of skills like research writing, organizing contents, adoption and adaptation of references and some important points of APA style, students organizing co-curricular activities based on the themes like RTE 2009, Use of ICT, Constructivist approach etc. Students are given an opportunity for educational tour to an educational institute and a historical place.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

   The departmental teachers have supervised 36 PhD thesis on different areas of education which include teaching learning process, educational management, test standardization and other related areas under the faculty of education. The studies also gave importance to applied knowledge as well as empirical studies

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Long established traditions of quality teaching & research.** • **A hub of innovative practices in teacher teaching and curriculum construction.** • **Bilateral relations and academic exchange with educational institutions / departments.** • **Intensive research studies in the areas of educational philosophy and TE process.**
Weaknesses
• **Shortage of faculty as per NCTE and UGC norms.** • **Inadequate physical facilities and learning resources.** • **Struggling to establish interface with advance institutions.**
Opportunities
• **Very large catch meet area for students.** • **The department is situated within the area where lots of educational institution are proliferate educational. Therefore our students have good opportunity for placement.**
Challenges
• **Department is facing a threat on the quality of research, teaching and extension because faculty shortage.**

52. Future plans of the department.

- **The introduce two discipline courses, identified as Diploma in Guidance & Counselling and Diploma in Educational Management.**
- **To start Research consultancy cell in the department.**
- **To disseminate research work in all in a booklet form and in a electronic form.**
- **To initiate experimentally, evaluation system for allowed assessment of the PG education students.**
- **To initial an institutional committee for curriculum development, for leading the education faculty.**

15. DEPARTMENT OF ENGLISH

1. Name of the Department: **English**

2. Year of the Establishment: **June 1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MA, MPhil & PhD**

5. Interdisciplinary programmes and departments involved Critical and Cultural Theory; **Cinematic Adaptations of Literature; Partition Literature; Twentieth Century French Fiction; World Literature; Arabic and Middle Eastern Literature; European Poetry; and European Fiction**

6. Courses in collaboration with other universities, industries, foreign institutions, etc **NA**

7. Details of programmes discontinued, if any, with reasons **NA**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**01**
Associate Professor	**03**	**02**	**02**
Assistant Professor	**03**	**03**	**02 (contractual)**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr JH Khan	**MA, MAAL (UK), MEd**	**Professor and Head**	**Contemporary Eng. Literature; Applied Linguistics including all aspects of ELT**	**33 Years**	**PhD : 11 MPhil : 68**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
	(English), PhD		and ESP; Communication and Communicology		
Dr RK Mandalia	MA, BEd, MPhil, PhD	Associate Professor	Seventeenth Century English Poetry; New Literatures; and Indian English Literature	29 Years	-
Dr PJ Dave	MA, MPhil, PhD	Associate Professor (CAS)	Contemporary European Fiction; and Literary Criticism	26 Years	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Professor (Dr) Kapil Kapoor	Professor Emeritus	Visiting Professorship	2008-09
Dr Ranga Kapoor	Professor	Visiting Professorship	2008-09
Dr Seema Malik	Assoc. Prof. (Now Professor)	UGC Teachers' Exchange Programme	2008-09

13. Percentage of classes taken by temporary faculty – programme-wise information: **NIL**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA	2010-11	170:6*
	2011-12	157:6*
	2012-13	148:5
	2013-14	196:5
	2014-15	179:5
MPhil	2010-11	15:3
	2011-12	15:3
	2012-13	11:3 (Only 11 passed MPhil Entrance Test that year)
	2013-14	15:3
	2014-15	15:3

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Common for English, Gujarati, History, Poltical Science, Sanskrit and Sociology.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**08+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies

    Second Phase of the UGC SAP-DRS

    (a) Literary Representation of Social Change; and (b) Literary Representation of Social Change in Post 1970 Representative Novels and Plays in Gujarati, Hindi, and Indian English Literatures (Completed on 31 March 2014).

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Not Applicable**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
SAP/DRS	**UGC**	**₹35 Lakhs + 01 RF**	**2009-2014**

20. Research facility/centre with State, National and International Recognition : **Not Applicable**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Not Applicable**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	-	-	-
2011-12	-	-	-
2012-13	**05**	**04**	**01**
2013-14	-	-	-
2014-15	-	-	-
Total	**05**	**04**	**01**

b) Monographs: **Nil**

c) Chapters in Books: **Nil**

d) Edited Books: **Nil**

e) **Books with ISBN with details of publishers: 08**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

g) Citation Index – range/average

h) SNIP: **NA**

i) SJR : **NA**

j) Impact Factor – range/average

k) h-index

23. Details of patents and income generated: **Not Applicable**

24. Areas of consultancy and income generated

Year	Consultancy Provided to	Area	Income Generated
2010-11 to 2014-15	**Sarvodaya Kelavani Samaj, Rajkot**	**Tertiary Education**	**Purely honorary CSR**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Not Applicable**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
JH Khan	**Editorial Review Board**	**Literature and Language, Scientific Journals International,New York (ISSN 1556-6757)**	**2008**
JH Khan	**Editorial Review Board**	**International Journal of Academic Research (IJAR), Azerbaijan, Baku, ISSN 2075- 4124**	**2008**
PB Raval	**Advisory Board**	**Abraham Lincoln Abroad, International Lincoln Association, International Lincoln Center, Louisiana State University in Shevereport, USA**	**2009**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refer Volume-II and URL: :www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects: **Nil**
- percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by

- Faculty: **Nil**
- Doctoral / post doctoral fellows: **Nil**
- Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

   Please do refer Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

   - **Encouragement of original/innovative ideas for research.**
   - **Encouragement Original research to the extent it may be possible, and complete discouragement of plagiarism with penalties put in place.**
   - **Usefulness of research for the region, the state, and the nation.**

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	**Female**	**Male**	**Female**
MA	**2010-11**	**245**	**93**	**103**	**100**	**100**
	2011-12	**178**	**46**	**114**	**100**	**100**
	2012-13	**139**	**45**	**120**	**100**	**100**
	2013-14	**202**	**57**	**127**	**100**	**100**
	2014-15	**179**	**-**	**-**	**100**	**100**
M.Phil	**2010-11**	**67**	**05**	**10**	**100**	**100**
	2011-12	**35**	**03**	**12**	**100**	**100**
	2012-13	**24**	**03**	**06**	**100**	**100**
	2013-14	**60**	**05**	**10**	**100**	**100**
	2014-15	**43**	**-**	**-**	**100**	**100**

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	**80**	**19**	**01**	**-**
MPhil	**80**	**19**	**01**	**-**
PhD	**80**	**20**	**None so far**	**15**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	NET	SET
2013	-	-	-
2014	01	01	-
2015	03	01	02

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	5 (through MPhil Entrance Test)
PG to PhD	1 (through PhD Entrance Test)

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	04
from other universities within the State	01
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period **Nil**

38. Present details of departmental infrastructural facilities with regard to

   a) Library: **Books More than 5000, Journals 11, Several Courses on CDs, Cassettes etc; Majority of Shakespearean Plays available on gramophone records; 12 Major British and American Poets recorded in their own voices.**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	363/0	1,86,236
2011-12	-	-
2012-13	127/0	2,00,000
2013-14	92/0	48,068
2014-15	87/0	44,680

   b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

   c) Total number of class rooms: **04**

   d) Class rooms with ICT facility: **01**

   e) Students' laboratories: **Language Laboratory and Computer Laboratory**

   f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

   2011-12

   1. Mr Ashutosh K Yagnik, Supervisor: Dr JH Khan
   2. Mr Kaushal B Kotadia, Supervisor: Dr JH Khan
   3. Ms Rupalben Savjibhai Patel, Supervisor: Dr PJ Dave

   2013-14

   4. Mr Bhaskar K Pandya, Supervisor: Dr RK Mandalia
   5. Mr Vaibhav R Joshi, Supervisor: Dr PJ Dave
   6. Ms Monika G Shah, Supervisor: Dr PJ Dave
   7. Mr Rajit H Yadav, Supervisor: Dr PJ Dave

   Please do refer Volume-II and URL:
   http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	15	17	17
2011-12	13	10	16
2012-13	16	18	21
2013-14	31	49	40
2014-15	20	48	24
Total	95	142	118

   Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Ms KM Gulrajani	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
3	2012-13	Mr. KP Bhatia		
4	2013-14	Ms. PS Jani		
5	2014-15	Ms SP Joshi		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

   The Honourable Vice Chancellor had commissioned the Department to offer a Six-Week long 4-Credit Advanced Certificate Course in Academic Writing and Presentation Skills for MPhil and PhD Students in the University. We called a meeting of all the applicants who had applied and gave them a needs analysis questionnaire to fill. Once they had completed this exercise, they were interviewed individually to ascertain the problems they faced in English language skills. We ran the course on a purely voluntary basis between 6 May 2013 and 14 June 2013. At the end of their six weeks of training, we asked them to fill up a feedback questionnaire patterned on the needs analysis questionnaire they were administered earlier.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback?

   Orally at the end of Semester

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   Through Feedback sheets as given in the NAAC Manual

   c) alumni and employers on the programmes offered and how does the department utilize the feedback?

   Periodically in meetings. The Feedback is used to revise courses.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Mr MV Joshi	**Civil Servant**	**MA**	**1980**
Mr Rushin Bhatt	**Mamlatdar**	**MA**	**1990**
Mr VS Tuli	**Armed Forces**	**MA**	**1990**
Mr RP Bhoi	**Principal, Bhikhabhai Arts College, Anand, Gujarat**	**MA, MPhil**	**1983, 1992**
Dr DU Patel	**Principal, N H Patel College of Education, Anand**	**MA**	**1988**
Dr PA Dave	**Principal, SSP Jain Arts and Commerce College, Dhrangadhara, Dist: Surendranagar**	**MA, PhD**	**1990, 2002**
Dr RS Dave	**Assistant Professor (Part-time), Department of English, Bhikhabhai Arts College, Anand**	**MA, PhD**	**1992, 2008**
Dr AK Yagnik	**Associate Professor and Head, Department of English, Anand Commerce College, Anand**	**MA, MPhil, PhD**	**1986, 1987, 2011**
Dr ML Revdiwala	**Associate Professor, Department of English, Mahila Arts and Commerce College, Unjha**	**MA**	**1996**
Dr BK Pandya	**Assistant Professor and Head, Department of English, Charotar**	**MA, MPhil, PhD**	**2001, 2004,**

Name of Alumni	Present Profession	Programme Offered	Year of Passing
	University of Science and Technology (CHARUSAT), Changa		**2013**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

    Special lectures and workshops are organized by inviting experts from outside

45. List the teaching methods adopted by the faculty for different programmes.

    We use a mixture of Lecture, Lecture-cum-Workshop, Lecture-cum-demonstration through the screening of Films, Tutorials, Classroom Course Seminars, Assignments etc as a part of teaching strategies used

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

    Feedback is collected on regular basis informally in our meetings with the students and we use this for the purpose of making changes in subsequent lecture engagements.

47. Highlight the participation of students and faculty in extension activities.

    Students are encouraged to participate in Paper Presentation Competitions organised by MS University and Saurashtra University every year besides taking part in sports, and cultural events during Youth Festival organised every year.

48. Give details of "beyond syllabus scholarly activities" of the department.

    Students are encouraged to participate in Paper Presentation Competitions organised by MS University and Saurashtra University every year.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Not Applicable**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

    We have ensured that at least eight of our PhD students take up research problems related to the thrust areas of UGC SAP-DRS (Phase-I) and UGC SAP-DRS (Phase-II). One of them will take the viva voce soon.

    The Department is involved in Translation Studies in a big way, and has come to be recognized as an institution that has been helping add new dimensions to Translation Studies.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Concrete work in the Thrust Areas recognized for us by the UGC Expert Committee.   **A consistent effort revise/replace/ improve our course offerings every three years.**   **Non confrontationist atmosphere in the Department with students because we counsel them as and when required.**   **Immediate placement as teachers for all our students getting 55% at MA unless they opt for BEd/MPhil/PhD.**
Weaknesses
Inability to find time for providing students with expertise from outside due to time constraints after the introduction of CBCS.   **Inability to involve sister Departments for Interdisciplinary research. No MoUs with other institutions.**
Opportunities
The setting of Interdisciplinary Centre for Area Studies would enable us to contribute to the study of Charotar region of Gujarat which the University serves.
Challenges
Filling up of the vacancies on the teaching staff. Ensuring the appointment of adequate administrative staff in the Department.

52. Future plans of the department.

- **One of the several things we would like to do is to make this Department an ideal institution for a fully-developed English Studies programme.**
- **We wish to diversify and include interdisciplinary and multidisciplinary subject-disciplines on our MA, MPhil and PhD programmes.**

16. DEPARTMENT OF ECONOMICS

1. Name of the Department: **Economics**

2. Year of establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts

4. Names of programmes offered: **MA (Regular), MA (Self-financed), Master of Philosophy (Regular), Master of Philosophy (Self-financed), Doctor of Philosophy.**

5. Interdisciplinary programmes and departments involved, **with Economics, Agro-Economics, Social Work, Management, and Statistics. etc**

6. Courses in collaboration with other universities, industries, foreign institutions, etc **NA**

7. Details of programmes discontinued, if any, with reasons. **NA**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**02**	**01**	**02**
Associate Professor	**05**	**-**	**01**
Assistant Professor	**06**	**06**	**04**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr DJ Chauhan	**MA, Ph.D**	**Professor & Head Member of Governing**	**Micro Economics Banking and Financial Economics Research**	**29**	**M.Phil : 05 Ph. D. : 02**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
		Body, Agro-Economics Research Centre Ministry of Agriculture , Govt.of India	Methodology Agricultural Economics		
Dr HP Trivedi	MA (Gold Medal) Dip in Planning, PhD	Professor Former Head Dean Faculty of Arts	Development Economics Industrial Economics Environmental Economics Research Methodology Livestock Economics	26	M.Phil : 02 Ph. D. : 03
Dr (Mrs) NM Patel	MA, MEd, PhD	Associate Professor	Agricultural Economics Co-operation International Economics Research Methodology	32	M.Phil : 04 Ph. D. : 02
Dr DG Ganvit	MA, Ph.D	Assistant Professor	Macro Economics Co-operation Rural Development Quantitative Economics Research Methodology	12	M.Phil : 06 Ph. D. : -
Dr(Mrs) Sonal Bhatt	MA (Gold Medal), UGC-NET MPhil, PhD Dip In Mktg Mgt Dip. in Intl	Assistant Professor	Public Finance Environmental Economics Macro Economics Research Methodology	12	M.Phil : 05 Ph. D. : -

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
	Trade Mgt.				
Mr JK Barot	MA, GSLET	Assistant Professor	Micro Economics Quantitative Economics Econometrics Research Methodology Computer Applications in Economics Industrial Economics	13	M.Phil : 03 Ph. D. : -
Dr MR Patel (Left)	MA, BEd, MPhil, PhD, GSLET	Assistant Professor	Development Economics Econometrics International Economics Quantitative Economics Computer Applications in Economics Research Methodology	15	M.Phil : - Ph. D. : -

12 List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Dr Ghanshyam Upadhyay	Professor	Bhavnagar University	Jan,2012
Dr KM Bhatt	Professor	Gujarat University, Ahmedabad	Jan,2012
Dr HJ Mehta	Professor	Department of Economics, MR Arts and Science college, Rejpila, D- Narmada	Jan,2012
Dr RA Joshi	Professor	Department of Economics, Saurashtra University, Rajkot	Jan,2012
Dr MK Patel	Professor	Department of Commerce, Bhavnagar University, Bhavnagar	Jan,2012
Prof BD Bhatt	Professor	Agriculture Uni.Anand	Feb,2013
Rajesh Modi	Professor	Arts & Commerce College, Petlad	Feb,2013

Dr Keshubhai Kokani	Professor	Bhavnagar Uni.	Sep,2013
Dr Kishorbhai Joshi	Professor	Bhavnagar Uni	Sep,2013
Mr VS Jariwal		Department of Economics, Bhavnagar University, Bhavnagar	Aug,2013
Dr YN Vansiya	Professor	Department of Economics Mahadev Desai Gramseva, Mahavidyalay, Sadra	Aug,2013
Prof BD Bhatt	Professor	Agriculture Uni.Anand	Feb,2014
Rajesh Modi		Arts & Commerce College, Petlad	Jan,2014
Dr M K Patel	Professor	Bhavnagar Uni.	Aug,2014
Mr Vijay S. Jariwal		Department of Economics, Bhavnagar University, Bhavnagar	Sep,2014
Dr Yogesh Vansiya	Professor	Gujarat Vidyapeeth, Ahmedabad	Aug,2014
Dr Gaurang Rami	Professor	VNSGU, Surat	Sep,2014
Prof BD Bhatt	Professor	Agriculture Uni.Anand	Feb,2015

13. Percentage of classes taken by temporary faculty – programme-wise information: **Nil**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA (Gen)	2010-11	16:1
	2011-12	17:1
	2012-13	16:1
	2013-14	15:1
	2014-15	-
MA (SF)	2010-11	8:1
	2011-12	8:1
	2012-13	9:1
	2013-14	7:1
	2014-15	-
MPhil (Gen)	2010-11	3:1
	2011-12	No Student Enrolled
	2012-13	No Student Enrolled
	2013-14	1:1
	2014-15	-
Master of Philosophy (SF)	2010-11	3:1
	2011-12	No Student Enrolled
	2012-13	No Student Enrolled
	2013-14	1-1
	2014-15	-

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**03+02 (contractual)**

16. Research thrust areas as recognized by major funding agencies

- **Rural Development**
- **Agricultural Economics**
- **Environmental Economics**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of Faculties	Project Title	Name of Funding Agencies	Total Grant Received	Year Project Start
Prof HP Trivedi	**DHDR Reports of the**	**Govt. of Gujarat**	**12, 50,000/-**	**2010**
Prof DJ Chauhan	**i) The Dangs and**	**Govt. of Gujarat**		
Dr Sonal Bhatt	**ii) The Panchmahals Districts**	**Govt. of Gujarat**		
Dr HP Trivedi, Dr DJ Chauhan, Dr NM Patel, Dr DG Ganvit, Dr Sonal Bhatt, Shri JK Barot and Dr Manish Patel	**District Human Development Report – Anand**	**UGC (CAS-I)**	**₹50.50 Lakhs**	**5 Years**
Dr HP Trivedi & Dr DJ Chauhan and Sonal Bhatt	**District Human Development Report-Panchmahals**	**Government of Gujarat**	**₹ 4.50 Lakhs**	**8 Months**
Dr Sonal Bhatt	**"Exploration of Factors Affecting Participatory Irrigation Management in Selected Water Users' Associations of Gujarat",**	**University Grants Commission, New Delhi**	**₹ 1,25,000 , vide letter No. F.6-26/2010 (HRP) dated Jan 18, 2011**	**Feb 1, 2011 to Jul 31, 2012**

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
Human Development Report, Anand	UGC-SAP/CAS	₹50.50 Lakhs	2011-16

20. Research facility/centre with State, National and International Recognition:

- state recognition : **Nil**
- National recognition: **Computer Lab Available in Department.**
- international recognition : **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies:

- **UGC Created computer laboratory for department and student development.**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11			
2011-12	06	06	00
2012-13	07	05	02
2013-14	07	03	04
2014-15	06	01	05
Total	26	15	11

b) Monographs: NA

c) Chapters in Books: 01\

Sr. No.	Name of Author/s	Title of Book	Name of Editor/s	Title of Chapter	Page No.	Year	Publisher and ISBN
1	Dr DGGanvit	Challenges in Higher Education	Dr Shalini Gupta	Challenges in Higher Education	pp-06	-	Bureau Desh bhagat Punjab 978-93-83223-02-2

d) Edited Books: **Nil**

e) Books with ISBN with details of publishers: **03**

Sr. No.	Name of Author/s	Title of Book	Year of publication	Name of editor/s (if any)	Publisher	ISBN	Type of book (Textbook/ Reference book)
1	Dr DG Ganvit	Mul Nivasioma Mulbhut Adhikaro	Jan 2015	-	Brick Publications, Vallabh Vidyanagar	978-93-83047-58-1	Reference book
2	Dr DG Ganvit	Khet Dhiran Mandlioni Samasyao	Mar 2015	-	Brick Publications, Vallabh Vidyanagar	978-93-83047-60-4	Reference book
3	Dr DG Ganvit	Sahkar Snachalan ane Vyavastha	Sep 2105	-	Brick Publications, Vallabh Vidyanagar	978-93-83047-74-1	Reference book

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **Nil**

g) Citation Index – range/average: **Nil**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor : **Nil**

k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board	Year of Joining
Prof DJ Chauhan	Managing Editors	*Artha Vikas*-Journal of Economic Development	2010 to till date
Prof HP Trivedi	Managing Editors	*Artha Vikas*-Journal of Economic Development	2010 to till date
Dr Sonal Bhatt	Assistant	*Artha Vikas*-Journal of Economic Development	2010 to till date

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

   Please do refere Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

   - percentage of students who have done in-house projects including inter-departmental projects: **NA**
   - percentage of students doing projects in collaboration with other universities/industry/institute: **NA**

29. Awards/recognitions received at the national and international level by **NA**

   - **Faculty:**

Name of the Faculty	Awards/Recognition s given by	Year
Dr Sonal Bhatt	**"Shri Dadabhai Navroji" Sardar Patel University**	**2011**
Dr Sonal Bhatt	**"Shri Dadabhai Navroji" Sardar Patel University**	**2013**

   - Doctoral / post doctoral fellows: **Not Applicable**
   - Students: **Not Applicable**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

   lease do refere Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-.pdf

31. Code of ethics for research followed by the departments : **As per university guidelines.**

32. Student profile programme-wise:

Name of the Programm	Application Received	Year	Selected		Pass Percentage	
			Male	Female	Male	Female
MA (Gen)	**147**	**2010-11**	**49**	**58**	**100**	**100**
	149	**2011-12**	**46**	**69**	**100**	**100**
	104	**2012-13**	**49**	**61**	**100**	**100**
	125	**2013-14**	**51**	**53**	**100**	**100**
	105	**2014-15**	**-**	**-**	**-**	**-**
MA (SF)	**147**	**2010-11**	**22**	**31**	**100**	**100**
	149	**2011-12**	**24**	**33**	**100**	**100**
	104	**2012-13**	**30**	**33**	**100**	**100**
	125	**2013-14**	**26**	**21**	**100**	**100**
	105	**2014-15**	**-**	**-**	**-**	**-**
MPhil (Gen)	**49**	**2010-11**	**07**	**03**	**100**	**100**
	2	**2011-12**	**-**	**-**	**100**	**100**
	36	**2012-13**	**-**	**-**	**100**	**100**
	28	**2013-14**	**03**	**01**	**100**	**100**
	11	**2014-15**	**-**	**-**	**-**	**-**

Name of the Programm	Application Received	Year	Selected		Pass Percentage	
			Male	Female	Male	Female
Master of Philosophy (SF)	**49**	**2010-11**	-	-	**100**	**100**
	2	**2011-12**	-	-	**100**	**100**
	36	**2012-13**	-	-	**100**	**100**
	28	**2013-14**	-	-	**100**	**100**
	14	**2014-15**	-	-	**-**	**-**

33. Diversity of students: **Not Available**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise: **Information Not Available**

35. Student progression : **Information Not Available**

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	33
from other universities within the State	67
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

   a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	**122/0**	**81,399**
2011-12	**-**	**-**
2012-13	**255/53**	**2,50,000**
2013-14	**-**	**-**
2014-15	**-**	

   b) Internet facilities for staff and students: **38 Computer with Internet Facility, Laptops-06, Tablet-01.**

   c) Total number of class rooms: **07**

   d) Class rooms with ICT facility: **01**

   e) Students' laboratories: 0**1 Computer Laboratory**

   f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

   a) from the host institution/university

   2014-15

   1. Sejal B Patel, Supervisor: Dr DJ Chauhan

   b) from other institutions/universities:- NA

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	10	24	20
2011-12	11	21	20
2012-13	15	4	29
2013-14	10	13	15
2014-15	27	29	42

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Mr DS Kadri	**₹10,000 (per annum)**	**Kashiben and Gordhanbhai Patel Scholarship**
3	2012-13	Ms PH Mehta		
4	2013-14	Mr PN Mahida		
5	2014-15	Mr AP Chauhan		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

   Need assessment for revision of courses or the introduction of new courses is done with the help of discussion and feedback in the meetings of the Board of Studies, faculty meetings, Departmental Research Committee meetings as well as informal interaction with our students.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback? **Nil**

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   At the end of the academic year we collect anonymous feedback forms from the students in which they express their expectations from the teachers as well as their requirements and special needs, if any.

   c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Nil**

43. List the distinguished alumni of the department (maximum 10) : **No Association Developed by Department**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

45. List the teaching methods adopted by the faculty for different programmes.

    This includes classroom teaching, individual and group interactions with the faculty outside the class room, lecture demonstration and seminar presentations by the students, project work, Counselling, assignments, self study, field visits, guest lectures, workshops, debates and discussions etc.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

    Teaching, Research

47. Highlight the participation of students and faculty in extension activities: **Nil**

48. Give details of "beyond syllabus scholarly activities" of the department: **Nil**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details: **(CAS) in 2011**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied: **Nil**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Teaching and Research.**
Weaknesses
• **Shortage of Teaching Staff and Technical Administrative Staff due pending clearance from Government.**
Opportunities
• **The department can handle major survey and research based projects on rural economics and development.**
Challenges
• **Non availibility of scientific ans support staff for taking up research connected with the rural issues.**

52 Future plans of the department: **Nil**

17. DEPARTMENT OF GUJARATI

1. Name of the Department: **Gujarati**

2. Year of the Establishment:**1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MA, MPhil & PhD**

5. Interdisciplinary programmes and departments involved : **A Paper Entitled, Sahitya Samajsastra relates to the two department Gujarati and Socilogy**

6. Courses in collaboration with other universities, industries, foreign institutions, etc **Nil**

7. Details of programmes discontinued, if any, with reasons. **NA**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments.

   Teacher of Our Department teach a life enrichment course to student of other departments

   - **Dr BR Brahmbhatt is working in fine Arts college as a visiting lecturer.**
   - **Dr BR Brahmbhatt is taking a language class in SPIPA, Ahmedabad.**

10. Number of teaching posts sanctioned ,filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**01**	**03**
Associate Professor	**01**	**-**	**-**
Assistant Professor	**05**	**04**	**02**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr Bhagirath Brahmbhatt	**MA, PhD**	**Professor**	**Linguistic Modern Literature**	**39**	**MPhil : 26** **PhD : 13**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr JM Patel	MA, PhD	Associate Professor	Modern Literature and Post Modern Literature	39	MPhil : 24 PhD : 05
Dr MH Patel	MA, PhD	Professor	Phrase Literature and Poetry	36	MPhil : 14 PhD : 04
Dr NL Ved	MA, PhD	Professor	Medieval Literature and Criticism	39	MPhil : 05 PhD : 03
Dr Param Pathak	MA, PhD	Professor	Comparative Literature and Folklore Criticism	25	MPhil : 33 PhD : 11
Dr Pinakin Pandya	MA, Mphil, PhD	Professor and Head	Linguistic Stylistic, Medieval Literature, Folklore	26	MPhil : 33 PhD : 11

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Professor (Dr) BR Brahmbhatt	Professor Emeritus	Visiting Professorship	2015-17
Professor (Dr) Satish Vyas	Professor	Visiting Professorship	2012-13
Professor (Dr) Vinod Joshi	Professor	Visiting Professorship	2013-14
Professor (Dr) Satyadev Tripathi	Assoc Prof (Now Professor)	UGC Teachers' Exchange Programme	2014-15

13. Percentage of classes taken by temporary faculty – programme-wise information:**NA**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA	2010-11	115:6
	2011-12	72:7
	2012-13	87:6
	2013-14	66:6
	2014-15	69:5
MPhil	2010-11	35:6
	2011-12	35:6

Programme	Years	Ratio
	2012-13	27:5
	2013-14	25:5
	2014-15	20:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Common for English, Gujarati, History, Poltical Science, Sanskrit and Sociology.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**08+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies

    (a) Folklore
    (b) Linguistic
    (c) Diaspora Gujarati Poetry
    (d) Comparative Study of Gujarati and Hindi Phonetics

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **2 faculties and 13 Lakhs and sixty six thousands UGC Funded**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration:

Sr No	Names of institutes collaborating	Title of the programme/ research project/ workshop/ symposia/ etc	Grant received with letter No. and date	duration of collaboration	Significant outcomes/ breakthroughs achieved	Grant utilized
1	**National translation mission, Delhi**	**Translation & editing (workshop)**	**25-31july/2012**	**06 days**	**Proceeding in uni. press**	**Approx. 100000 Utilized by NTM**
2	**CIIL Mysore**	**Natural language processing (work shop)**	**16-20Jan.,11**	**06 days**	**Students research work in this particular area Ph.D student named Montu Patel selected the research topic: Word Net.**	**1,00,000**
3	**West zone cultural center,**	**Indian Folk drama**	**21-23 jan /2014**	**03 days**	**Book under process**	**2,00,000**

Sr No	Names of institutes collaborating	Title of the programme/ research project/ workshop/ symposia/ etc	Grant received with letter No. and date	duratio n of collabo ration	Significant outcomes/ breakthrough s achieved	Grant utilized
	Udaipur	presentation & seminar				

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
SAP/DRS	UGC	₹25 Lakhs +01RF	2015

20. Research facility/centre with State, National and International Recognition: **NA**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	05	05	00
2011-12	02	02	00
2012-13	04	04	00
2013-14	04	04	00
2014-15	03	03	00
Total	18	18	00

b) Chapters in Books: **08**

c) Edited Books: **16**

e) Books with ISBN with details of publishers: **27**

d) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **NA**

f) Citation Index – range/average: **NA**

g) SNIP: **NA**

h) SJR: **NA**

j) Impact Factor – range/average: **NA**

k) h-index: **NA**

23. Details of patents and income generated: **NA**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

   1. **Dr BR Brahmbhatt visited to SNDT University Bombay as a B of Study**
   2. **Dr PD Pandya is selected member of SAP advisory committee in SNDT University Bombay.**
   3. **Dr BR Brahmbhatt worked in UPSCDelhi.**
   4. **Dr BR Brahmbhatt worked in Gyanpith awared committee Delhi.**
   5. **Dr Param Pathak is selected member of Preparation of glossary of Maths terms by MHRD Delh**i.

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board
Dr Param Pathak	**Sheel Shrutam**	**Editorial Board**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

   Please do refer Volume-II and URL:

   www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

   * percentage of students who have done in-house projects including inter-departmental projects: **60 per cent**
   * percentage of students doing projects in collaboration with other universities/industry/institute **Nil**

29. Awards/recognitions received at the national and international level by **NA**

   * Faculty:

     In creative writing: 1) Best Essay Award given by Gujarat Sahitya Academy to Prof. B.R. Brahmbhatt 2) Parmanand Award to Prof. B.R.Brahmbhatt.
   * Doctoral / post doctoral fellows:
   * Students:

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

   Please do refer Volume-II and URL:
   www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments.

   1. **To having the responsibility to secure the actual permission and interest of all those involved in study**
   2. **Researcher has to noted the true citation**
   3. **Researcher should not misuse the information discovered by others.**

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MA	2010-11	190	78	124	100	100
	2011-12	158	71	100	100	100
	2012-13	97	57	102	100	100
	2013-14	45	54	86	100	100
	2014-15	95	--	--	100	100
MPhil	2010-11	140	18	05	100	100
	2011-12	64	16	9	100	100
	2012-13	64	17	10	100	100
	2013-14	122	09	16	100	100
	2014-15	81	--	--	100	100

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	87	10	03	--
MPhil	87	10	03	--
PhD	87	10	03	--

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	NET	SET
2010	15	07	02
2011	10	08	-
2012	25	15	-
2013	18	07	01
2014	23	08	-

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	40
PG to PhD	20

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	40
from other universities within the State	60
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period. **PhD : 02**

38. Present details of departmental infrastructural facilities with regard to

    a) Library: **Books more than 5000, back volumes more than 25 and theses more than 100)**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	50/0	5,408
2011-12	08/0	1,794
2012-13	425/0	1,10,000
2013-14	-	-
2014-15	-	-

    b) Internet facilities for staff and students: **Yes, we provided ICT lab to students and Internet facilities to teachers in their cabins.**

    c) Total number of class rooms: 0**2**

    d) Class rooms with ICT facility: **01**

    e) Students' laboratories: **Nil**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

2011-12

1. **Asha K. Gohil, Supervisor: Dr MH Patel**
2. **Ashokbhai P. Solanki, Supervisor:Dr MH Patel**
3. **Hitesh Pandya, Supervisor: Dr Bhagirath Brahmbhatt**
4. **Rajendrasinh J. Gohil, Supervisor: Dr Bhagirath Brahmbhatt**

2012-13

5. **Ajay Chauhan, Supervisor: Dr MH Patel**
6. **Padmaben C. Patel, Supervisor: Dr MH Patel**
7. **Anil vala, Supervisor: Dr Param Pathak**
8. **Harshada Shah, Supervisor: Dr Param Pathak**
9. **Kirit Patel, Supervisor: Dr Param Pathak**
10. **Ashwin Brahambhatt, Supervisor: Dr Bhagirath Brahmbhatt**
11. **Sajidali y saiyad, Supervisor: Dr Gunvant Vyas**
12. **Dharmesh P Surati, Supervisor: Dr Gunvant Vyas**
13. **Hari Vala, Supervisor: DrNaresh Ved**
14. **Satish Priyadarshi, Supervisor: Dr Naresh Ved**
15. **Pallavi Thakar, Supervisor: Dr Naresh Ved**
16. **ShivSankar Joshi, Supervisor: Dr PD Pandya**
17. **Sivshankar H. Joshi, Supervisor: Dr PD Pandya**

2013-14

18. **Harendra Pandya, Supervisor: Dr Gunvant Vyas**
19. **Rameshchandra Chaudhri, Supervisor: Dr Pinakini Pandya**

2014-15

20. **Manjulaben chimanbhai Chaudhari, Supervisor: Dr Mansingbhai Chaudhari**
21. **Shantivan j Konkani, Supervisor: Dr Mansingbhai Chaudhari**
22. **Nila Champavat, Supervisor: Dr Bhagirath Brahmbhatt**
23. **Sudha Rathva, Supervisor: Dr Pinakini Pandya**

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	19	43	40
2011-12	17	34	30
2012-13	29	10	30
2013-14	26	38	40
2014-15	17	21	41
Total	108	146	181

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms FM Diwan		
3	2012-13	Ms I M Diwan		
4	2013-14	Ms AR Thakor		
5	2014-15	Ms KD Christian		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Due to University rules, the board of the study (B.O.S.) is organized by all subjects. B.O.S in Gujarati meets regularly and followed a systematic process in the design and development of the curriculum.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

a) does the department utilize the feedback?

Department Change teaching strategies accordingly

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Department evaluate these feedback and include them in Further teaching process.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Department obtain feedback from alumni and change our strategy

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Place
Ajay Chauhan	Asst. Professor	Govt. College, Meghraj
Jignesh Thakkar	Asst. Professor	Govt. College, Visnagar
Nitin Rathod	Asst. Professor	Central Uni. Silwasa, Silwasa
Varsha Rohit	Asst. Professor	Govt. College, Devgadh Baria
Nayana Parmar	Asst. Professor	Govt. College, Bahuchraji
Farhana Diwan	Asst. Professor	Arts College, Radhnpur
Pinakin Joshi	Asst. Professor	Govt. College, Surat
Urvashi Dave	Asst. Professor	Arts College. Surat
Ramesh Chaudhri	Asst. Professor	P.G Department, Gujarati, SPU
Sudha Rathwa	Asst. Professor	P.G Department, Gujarati, SPU

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts. Department does involved in this process and 59 external experts were invited through special lecture, workshop and seminars.

Please do refer Volume-II and URL:

www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

Teaching strategies included lectures, discussions, small group projects, individual projects, field experience, course work, and quiz. Faculty are using technology. Content delivery and other interactive strategies are innovative.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored? **By Feedback and Evaluation**

47. Highlight the participation of students and faculty in extension activities.

Sr. No.	Year	Name of the student	Participated in (Name of the Game/Event)	Level of the Game/Event i.e. University/ Regional/ State/ Zonal/ National/ International	Name of medal like Gold, Silver, Bronze, Runner, etc. (if student have won the prize)
1	2010-11	Hiren Gadhavi	Folk orchestra	University Level	Second
2	2010-11	Dharmishtha kakadiya	Folk orchestra		Second
3	2010-11	Narendra Patel	Folk orchestra		Second
4	2010-11	Nimesh Gadhavi	Folk orchestra		Second
5	2010-11	Priskilla Parmar	Folk orchestra		Second
6	2010-11	Jignesh Joshi	Folk orchestra		Second
7	2011-12	Jashvant Panchal	Folk orchestra		First
8	2011-12	Nitin Patel	Folk orchestra		First
9	2011-12	Ragini Rami	Folk orchestra		First
10	2011-12	Manisha Panchal	Folk orchestra		First
11	2011-12	Bhumika Rathod	Folk orchestra		First

Sr. No.	Year	Name of the student	Participated in (Name of the Game/Event)	Level of the Game/Event i.e. University/ Regional/ State/ Zonal/ National/ International	Name of medal like Gold, Silver, Bronze, Runner, etc. (if student have won the prize)
12	2011-12	Sailesh Tamboliya	Folk orchestra		First
14	2011-12	Hiren Gadhvi	Folk orchestra		First
15	2011-12	Manish Gadhavi	Folk orchestra		First
16	2011-12	Dipak Patel	Folk orchestra		First
15	2011-12	Ankita Patel	Rangoli		Second
16	2012-13	Nitin Patel	Rangoli		Third
17	2013-14	Farhana Diwan	Rangoli		Second
18	2013-14	Deval Shah	Photography		Third
19	2010-11	Jignesh Joshi	Youth festival		Second
20	2010-11	Nimesh Gadhavi	Youth festival		Second
21	2010-11	Narendra Patel	Youth festival		Second
22	2010-11	Dharmishta Kakadiya	Youth festival		Second
23	2010-11	Priskilla Chauhan	Youth festival		Second
24	2010-11	Hiran Gadhavi	Youth festival		Second
25	2011-12	Jashvant Panchal	Youth festival		First
26	2011-12	Nitin Patel	Youth festival		First
27	2011-12	Dipak Patel	Youth festival		First
28	2011-12	Manish Gadhavi	Youth festival		First
29	2011-12	Hiren Gadhavi	Youth festival		First
30	2011-12	Ragini Rami	Youth festival		First
31	2011-12	Bhumika Rami	Youth festival		First

Sr. No.	Year	Name of the student	Participated in (Name of the Game/Event)	Level of the Game/Event i.e. University/ Regional/ State/ Zonal/ National/ International	Name of medal like Gold, Silver, Bronze, Runner, etc. (if student have won the prize)
32	2011-12	Sailesh Tambodiya	Youth festival		First
33	2011-12	Manisha Chavda	Youth festival		First
34	2011-12	Ankita Patel	Rangoli		Second
35	2012-13	Nitin Patel	Rangoli		Third
36	2013-14	Farhanabanu Diwan	Rangoli		second
37	2013-14	Deval Shah	Rangoli		Third
38	2014-15	KhokharSakirah mad	sport	State	-
39	2014-15	Nayan Boghra	Debate	University Level	Second
40	2014-15	Kamlesh Parmar	Poetry writing		First
41	2014-15	Manisha chavda	Essay writing		Second

48. Give details of "beyond syllabus scholarly activities" of the department.

1. **Mountaining Program**
2. **Cleanliness Movement**
3. **Women Empowerment**
4. **Student week on Leadership**
5. **Student Literature Forum**
6. **Youth Festival**
7. **Cultural Tour**
8. **Student Exchange Program**
9. **Creative Workshop**
10. **Matrubhasa Din**
11. **Poetry Writing**
12. **Essay Competition**
13. **Group Discussion**
14. **Wall Magazine**
15. **Book Writing and Publishing**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **NA**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

- **We have completed major research projects to generating new knowledge in the field of Folklore, linguistics, Diaspora and Motif.**
- **We have published 27 Books more than 11 books have referential status in the field of criticism**
- **We have introduced new paper such as stylistics, comparative study, art of film appreciations to generating new knowledge.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Our Department is SAP Department.   **Teachers are highly qualified. All teachers achieved Ph.D degree and received grants for thee major and minor research project from UGC prominent poets and writers are working in our department as a faculty members.**   **Our major research areas are Folklore, linguistics Diaspora Literature, Comparative Study, Motif Study etc. We have collected Research data from various part of Gujarat for the study of language and folk literature by fieldwork. We completed 02 major research projects and 04 minor research projects,01 minor research project and 01 major research project are our ongoing research work including fieldwork.**   **Our 47 students are success in NET Exam during last five years. More than 20 students received JRF among them.**   **29 books are published by thee department.02 books (seminar Proceeding) are in press.**   **Our department is highly active department. We had organized more than 10 national seminars and workshops in last five years to reach horizon of knowledge.**
Weaknesses
We teach regional language Gujarati. So our department cannot recognize as a national-international status.   **Students have less job opportunities. They have to compromise with fix salary. Sometimes they become depress. So they do not prefer to learn in Arts faculty. Day by day students strength are decreasing.**   **We want to introduce job oriented and skill based new courses but teachers are not sufficient. There are three vacant posts in our department.**
Opportunities
We received SAP programme. So we will get opportunities to work on history of research work in Gujarati literature. There is no historical study of research in Gujarati subject. So our department get opportunities to work on it.   **We have introduced life enrichment course in M.A. programme. The course aims to remain in contact with our true entitled consciousness.**

> **It will get opportunities to understand the totality of education. And Student will find progressive balance between inner growth and outer action. It will be helpful to society.**

Challenges

- **A computer-oriented education has created more acute challenges to the humanities than to disciplines in other academic spheres.**
- **The humanities subjects are traditionally conceived as a book oriented and non computing disciplines. There exists a perceptible wide gap between the most traditional and most futuristic, between the warmth of humanistic concerns and coldness of digital manipulation, between subtlety of mind and the uniformity of machine.**
- **The widespread implementation of computer-aided teaching facilities shift from a textbook-based teacher centred approach to more interactive and learner centred approach. It makes challenge on way of students.**
- **The historical evolution of humanities is big challenge in our age. The breaking down of traditional boundaries between discipline and fosters the transition form a strictly intra-disciplinary approach to teaching and learning to multidiscipline is become challengeable today.**
- **We have to develop the centrality of the humanities to the quest for knowledge and societal advancement.**

52. Future plans of the department.

- **SAP Research Project Work.**
- **Work on Area Study.**
- **Introduced New Course and Papers which would be research based.**
- **Paper Introduction on Contemporary Literature.**

18. DEPARTMENT OF HINDI

1. Name of the Department: **Hindi**

2. Year of the Establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MA, MPhil (Regular & Self-financed, PhD), Diploma in Functional Hindi & Drama**

5. Interdisciplinary programmes and departments involved. **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc **Nil**

7. Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, quiz, assignments, presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based question. The semesters end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related function.**

9. Participation of the department in the courses offered by other departments. **CIIST, Home Science, Biosciences**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**02**	**01**	**03**
Associate Professor	**03**	**01**	**-**
Assistant Professor	**05**	**03**	**02**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr Dayashankar Tripathi	**MA, PhD**	**Professor & Head**	**Medieval Poetry**	**25 Years**	**MPhil : 28** **PhD : 08**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr Navneet Chauhan	MA, MPhil, PhD	Professor	Dramatics	25.5 Years	MPhil : 23 PhD : 07
Dr Madanmohan Sharma	MA, MPhil, PhD	Professor	Dramatics	23 Years	MPhil : 24 PhD : 05
Dr HM Parmar	MA, PhD	Asst. Lecturer	Katha Sahitya	13 Years	MPhil : 24 PhD : -
Dr Seema Rathod	MA, PhD	Asst. Lecturer	Gadya Sahitya	4.5 Years	MPhil : 04 PhD : -

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Dr Manoj Patel	Principal	CB Patel Arts, Nadiad	19-09-11 to 01-10-11
Dr Sultan Ahmed	Associate Professor/Head	SB Arts College, Ahmedabad	30-01-15

13. Percentage of classes taken by temporary faculty – programme-wise information:
Nil

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA Semester I	2010-11	102:8
	2011-12	79:6
	2012-13	95:6
	2013-14	53:6
	2014-15	34:6
MA Semester III	2010-11	66:8
	2011-12	102:6
	2012-13	60:6
	2013-14	80:6
	2014-15	43:6

Programme	Years	Ratio
MPhil	2010-11	14:08
	2011-12	21:06
	2012-13	14:06
	2013-14	24:06
	2014-15	30:06
DIP (Dramatics)	2010-11	01:08
	2011-12	00:6
	2012-13	00:6
	2013-14	00:6
	2014-15	00:6

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	01	01	-
Administration	03	02	02+02 (contractual)

16. Research thrust areas as recognized by major funding agencies **Nil**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition : **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	11	10	01
2011-12	06	04	02
2012-13	06	04	02
2013-14	03	02	01
2014-15	02	01	01

Total	28	21	07

b) Monographs: **Nil**

c) Chapters in Books: **06**

d) Edited Books: **02**

e) Books with ISBN with details of publishers: **06**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

g) Citation Index – range/average: **Nil**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average: **Nil**

k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of the faculty	Committee Name	National/International/ Editorial Board	Year of Joining
Dr Dayashankar Tripathi	**PRAGNA**	**National**	**2012 to till date**
Dr Dayashankar Tripathi	**Sahitya Parivar**	**National**	**2011 to till date**
Dr MM Sharma	**Sheal Srhutam**	**National**	**2011 to 2015**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

- percentage of students who have done in-house projects including inter-departmental projects:**100%**
- percentage of students doing projects in collaboration with other universities/industry/institute **Nil**

29. Awards/recognitions received at the national and international level by

   • Faculty: **Nil**
   • Doctoral / post doctoral fellows: **Nil**
   • Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

   Please do refer Volume-II and URL:

   www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments:

   As per the university guidelines framed from time to time.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	**Female**	**Male**	**Female**
MA	**2010-11**	**126**	**88**	**83**	**100**	**100**
	2011-12	**107**	**83**	**96**	**100**	**100**
	2012-13	**86**	**65**	**95**	**100**	**100**
	2013-14	**45**	**52**	**84**	**100**	**100**
	2014-15	**33**	**-**	**-**	**100**	**100**
MPhil	**2010-11**	**125**	**11**	**03**	**100**	**100**
	2011-12	**50**	**14**	**07**	**100**	**100**
	2012-13	**58**	**10**	**04**	**100**	**100**
	2013-14	**83**	**10**	**14**	**100**	**100**
	2014-15	**73**	**-**	**-**	**100**	**100**

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	**80**	**16**	**04**	**-**
MPhil	**80**	**20**	**-**	**-**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	NET	SET
2010-11	**-**	**-**	**-**
2011-12	**04**	**02**	**02**

Year	Number of Students	NET	SET
2012-13	-	-	-
2013-14	02	-	02
2014-15	01	01	-

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	-
PG to MPhil	75
PG to PhD	05

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	50
from other universities within the State	50
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period **Nil**

38. Present details of departmental infrastructural facilities with regard to

    a) Library: **7,959 Books**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	-	-
2011-12	-	-
2012-13	203/0	1,10,000
2013-14	-	-
2014-15	-	-

    b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

    c) Total number of class rooms: **04**

    d) Class rooms with ICT facility: **01**

    e) Students' laboratories: **Nil**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates:

    2010-11

    1. **Vipul Raval, Supervisor: Dr DS Tripathi**
    2. **Sunita K.Supahiya, Supervisor: Dr DS Tripathi**
    3. **Maheshchandra Gupat, Supervisor: Dr NK Chauhan**

4. **Bharat Dodiya, Supervisor: Dr NK Chauhan**

2011-12

5. **Prakash Patel, Supervisor: Dr NK Chauhan**

2012-13

6. **Anubha P.Negi, Supervisor: Dr MM Sharma**
7. **Jayendra M.Mahida, Supervisor: Dr MM Sharma**
8. **Suresh F.Patel, Supervisor: Dr MM Sharma**
9. **Narendra Rathor, Supervisor: Dr DS Tripathi**

2013-14

10. **Jigyasha Shah, Supervisor: Dr MM Sharma**
11. **Harkishan Vyas, Supervisor: Dr DS Tripathi**
12. **Shushila Vyas, Supervisor: Dr DS Tripathi**
13. **Govind Nandaniya, Supervisor: Dr DS Tripathi**
14. **Vishnu Machhi, Supervisor: Dr NK Chauhan**

2014-15

15. **Harita R.Joshi, Supervisor: Dr MM Sharma**
16. **Bhavna Thakkar, Supervisor: Dr DS Tripathi**
17. **Ramsinh Parmar, Supervisor: Dr DS Tripathi**
18. **Maheshchandra Gupat, Supervisor: Dr NK Chauhan**

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	20	39	31
2011-12	13	41	18
2012-13	26	18	28
2013-14	27	33	27
2014-15	13	24	23
Total	99	155	127

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms VJ Pandit		
3	2012-13	Mr PL Mahida		
4	2013-14	Mr BP Vankar		
5	2014-15	Miss Manjusha Agarwal		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

    Departmental Faculty Discussion before Introducing any Programme.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) does the department utilize the feedback?

       Nil (Students do not understand feedback form properly as they are having background of Gujarati and Hindi language

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

       Through Feedback sheets as given in the NAAC Manual

    c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Nil**

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr Govind Nandaniya	Asst Lecturer	PhD	2014
Dr Indu Ghadvi	Asst Lecturer	PhD	2012
Mr Paresh Patel	Teacher	MA	2010
Mr Ashwin Makwana	Teacher	MA, MPhil	2010
Dr Ramsingh Parmar	Asst Lecturer	PhD	2014
Dr Himmatsingh Chauhan	Teacher	MPhil	2010
Dr Narendra Rathod	Teacher	PhD	2013
Dr Vipul Raval	Asst Professor	PhD	2010
Mr Mukundkumar Parmar	Teacher	MPhil	2010
Mr Dinesh. Solanki	Gram Sevak	PhD	2015

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Year	Name of Events	Details of Events
2011-12	Special Lectures	Dr Manoj Patel "Drama"
2014-15		Dr Sultan Ahmed Katha Sahitya
2010-11	Workshops	Theater Techniques with NSD Experts
2010-11	Seminar	Prodyogiki Aur Bhashashikshan: Chunotiya Aur Samasyen
2013-14		Hindi Ki Marksvadi Alochana Aur Dr Shivkumar MIshra

45. List the teaching methods adopted by the faculty for different programmes.

Classroom Interaction with Students.

Situation is given to student based on current trends.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Create an Opportunity for Students by showing the relation in between Theoretical and Practical aspects of course.

In Seminar Students are given an opportunity to ask or raise their query related to the programme or curriculum

47. Highlight the participation of students and faculty in extension activities.

Student took part in Street play in various remote area of District or villages on various issues like health, education scheme etc.

Students took part in Cultural programme organized by other institution.

Students took part in youth festival every year (Zonel Level).

48. Give details of "beyond syllabus scholarly activities" of the department. **Nil**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Nil**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **One of the best department in Gujarat.**
• **First Dept. Which is given SAP in Gujarat.**
• **Literature in Specialization of Drama, Competitive Literature, Translation, Indian Literature.**
• **Different type Seminar on Bhasha paudhyogi ki chunotiyan etc.**
• **Fertile Faculty (2 are JRF, 1 NET).**
Weaknesses
• **Students get less Job opportunity in Hindi subjects.**
• **Less Student Strength.**
• **Vacancy of teaching position due to pending clearance from Government.**
• **30% Teaching Post are vacant.**
Opportunities
• **Scope for Collaborative Research.**
• **Scope for Getting Status of Special Department.**
• **Scope for Getting Permanent Research Centre on Indian dice by UGC.**
• **Scope for conducting Multi Disciplinary Research Project.**
Challenges
• **Maintaining of Student Strength.**

- **Exposing Faculty and student to global educational trend.**
- **Placement of Students.**

52. Future plans of the department.

- **Given and individual identity as Rajbhasha Prakost.**
- **Department should be specialize as Devnaagri, Drama, Competitive Literature, Indian Literature.**
- **Interdisciplinary Research Facility.**
- **To Publish Department Research Journals.**

19. DEPARTMENT OF HISTORY

1. Name of the Department: **History**

2. Year of the Establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

    Yes. Faculty of Arts.

4. Names of programmes: **MA, MPhil & PhD**

5. Interdisciplinary programmes and departments involved

6. Courses in collaboration with other universities, industries, foreign institutions, etc: **Nil**

7. Details of programmes discontinued, if any, with reasons: **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**01**
Associate Professor	**01**	**-**	**-**
Assistant Professor	**02**	**02**	**01**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr JM Pandya	**Professor and Head**	**Professor and Head**	**Modern India: Socio-Religious Movements in Gujarat**		**PhD : 10 MPhil: 01**
Dr DC Chaudhary	**Assistant Professor**	**Assistant Professor**	**Modern India: History of Freedom movement.**		**-**
Dr Hemant Dave	**PhD**	**Assistant Professor**	**Modern India: History of Freedom**		**MPhil: 01**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
			movement.		

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Guest Faculty	Dates of visit
2010–11	
Dr Kalpa Manek	7–10–2010, 8–10–2010
Prof RJ Shah	13–9–2010 to 27–9–2010
Prof PG Korat	13–1–2011 to 27–1–2011
2011–12	
BN Gandhi	25–9–2012
Dr Prafulla Raval	28–9–11 and 29–9–11
Prof RJ Shah	2–1–12 to 16–1–12
Prof PG Korat	17–1–2012 to 31–1–2012
2012–13	
Prof SV jani	26–2–2013
2013–14	
Prof PG Korat	17–9–2013
Prof SV Jani	8–1–2014
Dr Arun Vaghela	3–1–2014, 4–1–2014
Prof RJ Shah	16–1–2014 to 30–1–14
Dr MJ Parmar	5–2–2014 and 6–2–2014
Prof Prafulla Raval	7–2–2014 and 8–2–2014
Dr Dharmesh Pandya	17–2–2014 to 3–3–2014
2014–15	
Prof Prafulla Raval	19–1–2015 and 20–1–2015
Prof Kalpa Manek	21–1–2015 and 22–1–2015
Prof Bharat Mehta	13–2–2015
Prof Arun Vaghela	18–2–15 and 19–2–2015

13. Percentage of classes taken by temporary faculty – programme-wise information: **NA**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA	2010-11	20:1
	2011-12	20:1
	2012-13	20:1
	2013-14	20:1
	2014-15	20:1

MPhil	2010-11	20:1
	2011-12	20:1
	2012-13	20:1
	2013-14	20:1
	2014-15	20:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

    Common for English, Gujarati, History, Poltical Science, Sanskrit and Sociology.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**08+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies

    Modern Indian History, History of Freedom Movement.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received (in ₹)	Year
Hemant Dave Gujarat before Gandhi (1848–1915): A Genealogy of Gandhian Ideology	**UGC**	**4,89,500**	**2,17,941**

20. Research facility/centre with State, National and International Recognition: **NA**

21. Special research laboratories sponsored by/created by industry or corporate bodies: NA

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international):-

Year	Number of Papers Published	National	International
2010-11	**01**	**01**	**00**
2011-12	**01**	**00**	**01**

2012-13	**01**	**01**	**00**
2013-14	**01**	**01**	**00**
2014-15	**00**	**00**	**00**
Total	**04**	**03**	**01**

b) Monographs: **Nil**

c) Chapters in Books: **02**

d) Edited Books: **Nil**

e) Books with ISBN with details of publishers: **01**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **Not Applicable**

g) Citation Index – range/average: **Not Applicable**

h) SNIP: **Not Applicable**

i) SJR: **Not Applicable**

j) Impact Factor – range/average: **Not Applicable**

k) h-index: **Not Applicable**

23. Details of patents and income generated: **Not Applicable**

24. Areas of consultancy and income generated: **Not Applicable**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

    - percentage of students who have done in-house projects including inter-departmental projects **Nil**
    - percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by **Nil**

    - Faculty:
    - Doctoral / post doctoral fellows:
    - Students:

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL :
    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

   The Department is strictly adhered to code of ethics for research that was formulated in the university guidelines formed by Board of research studies. The University is very attentive regarding malpractices and plagiarism in research.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MA	2010-11	77	76	33	100	100
	2011-12	81	59	36	100	100
	2012-13	65	51	42	100	100
	2013-14	58	61	42	100	100
	2014-15	65	-	-	100	100
MPhil	2010-11	40	-	-	100	100
	2011-12	17	-	-	100	100
	2012-13	25	-	-	100	100
	2013-14	20	-	-	100	100
	2014-15	08	-	-	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	90	10	-	-
MPhil	90	10	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	Others
2010-11	03	03
2011-12	01	01

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	1 (through MPhil Entrance Test)
PG to PhD	1 (through PhD Entrance Test)

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	67
from other universities within the State	33
from universities from other States	Nil
from universities outside the country	Nil

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period **Most of the faculties had done MPhil/PhD before assessment period.**

38. Present details of departmental infrastructural facilities with regard to

    a) Library:

Year	Number of Books/Journals	Amount (in ₹)
2010-11	134/0	65,677
2011-12	88/0	74,275
2012-13	87/0	1,10,000
2013-14	19/0	8,290
2014-15	133/0	1,14,322

    b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

    c) Total number of class rooms: **03**

    d) Class rooms with ICT facility: **01**

    e) Students' laboratories: **Nil**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates:

    2012-13

    1. Bhavna Prajabpati, Supervisor: JM Pandya
    2. Mukesh Joshi, Supervisor: JM Pandya

    2013-14

    3. Maulesh Pandya, Supervisor: JM Pandya
    4. Vinubhai B Talpada, Supervisor: JM Pandya
    5. Dharmishtha Modi, Supervisor: JM Pandya

    Please do refer Volume-II and URL:
    http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	**9**	**22**	**12**
2011-12	**05**	**20**	**09**
2012-13	**09**	**15**	**15**
2013-14	**14**	**25**	**11**
2014-15	**09**	**28**	**19**
Total	**46**	**110**	**66**

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	**2010-11**	**-**		
2	**2011-12**	**Mr DB Baraiya**	**₹10,000 (per annum)**	**Kashiben and Gordhanbhai Patel Scholarship**
3	**2012-13**	**Mr BS Gosai**		
4	**2013-14**	**Ms TP Chaudhari**		
5	**2014-15**	**Mr SB Barot**		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

The University has a well organised system of curriculum design and development. Each Department has a Board of Studies at UG & PG levels consisting of experts from the faculty of the Department and from other Universities, representatives from industry and student representatives. Concerned subjects in different departments are grouped as one faculty and a senior teacher is nominated as the Chairperson. The Boards of Studies scrutinize two issues i.e., need assessment and feedback from the stakeholders before designing and developing the curriculum.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback? **Yes**

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback? **Yes**

   c) alumni and employers on the programmes offered and how does the department utilize the feedback? **Yes**

43. List the distinguished alumni of the department (maximum 10)

   - **Prof RK Dharaiya, PhD student, Professor and Ex-head, Dept of History, Gujarat University, Amdavad.**
   - **JB Patel, MA, Professor, Dept of History, Svaminarayan Arts College, Amdavad.**
   - **RG Pandya, PhD student, Professor and Head, Dept of History, Botadkar Arts and Commerce College, Bhavnagar.**
   - **RP Pandya, PhD student, Professor and Ex-head, Dept of History, SP University, V V Nagar.**

- **JM Pandya, MA and PhD student, Professor and Head, Dept of History, SP University, VV Nagar.**
- **Jignasa Vyas, MA and PhD student, Lecturer, Dept of History, Bhadran Arts COllege, Bhadran.**
- **DC Pandya, MA and PhD student, Associate Professor and Head, Dept of History, Arts and Commerce College, Vyara.**
- **Hemant Dave, MA student, Assistant Professor, Dept of History, SP University, V V Nagar.**
- **Dharmishtha Modi, PhD student, Associate Professor, Dept of History, Seth PT Arts and Science College, Godhra.**
- **Ghanshyam Vankar, MA student, Public Relation Officer, Rajpipla Sevasadan, Rajpipla**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts. **Nil**

45. List the teaching methods adopted by the faculty for different programmes.

    The teaching pedagogy includes class room instruction with help of audio visual aids particularly PPT presentations, case study method, organizing business games, simulation methods, role play, group discussion, brain storm session, business quiz, seminar presentations, industry profile, organization of local industrial visits, guest lectures by invited speakers and the like.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

    Each and every programme is monitored throughout the period to ensure conformity with what has been set as course objectives and leaning outcomes. The methods adopted for the purpose includes continuous assessment, observations, semester end tests and results, participations in competitions, contributions of new thoughts and ideas, and innovativeness and leadership.

47. Highlight the participation of students and faculty in extension activities.

    The students are encouraged to participate in extra curricular activities at department and university level.

48. Give details of "beyond syllabus scholarly activities" of the department.

    The students are encouraged to participate in extra curricular activities at department and university level.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details.

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

    Department of History arranges Guest Lectures and expert talks. Apart from that, students are being trained for the competitive world so that they can complete.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Dedicated, committed, and well qualified faculty.**
• **Long tradition of research and publication.**
• **Thrust areas are varied (includes Moderna and Anceint Indian History)**
• **Strong interdisciplinary research activities.**
• **Satisfactory infrastructure facilities.**
• **The Department is one of the strongest in Gujarat.**
• **Strong faculty exchange programme. (on an average, we invite three to four faculties during a semester)**
• **The Department have been organising seminars in the thrust areas and inviting the best scholars.**

Weaknesses
• **Vacancy in teaching staff due to pending clearance from Government.**
• **Lack of resource material for research (the archives are located in distant places)**
• **90% of the students come from weaker sections of the society and usually lack command over Gujarati and Hindi languages and logic. Most of them are first generation, at best second generation, learners.**

Opportunities
• **Courses like MPhil have been revived recently. In the coming year, the Department hopes to lay a solid foundation for research oriented programmes.**
• **Our curriculum is uptodate and in tandem with the competitive exams like NET, SLET, TET and TAT, and we wish more number of students qualify in future.**
• **The CBCS has introduced many interdisciplinary programmes. Though as of now they are not materilaised to their potentialities, we hope things would be better in future.**

Challenges
• **Increasingly beaurocratic environment and lack of independence in the university.**
• **The Semester system has introduced a number of challenges: most of the quality time goes in examination process (paper drawing, supervision, flying squade, checking scripts, preparing internal marksheet, etc.). Exam duties have become more important than teaching and research.**

- **Insistence on English as the medium of PhD and MPhil exams and dissertations has been one of the most unfortunate constraints. Most of the students lack facility in English and cannot make a good show. Poor translations of the dissertations are on the rise.**

52. Future plans of the department.

The department is looking for some new interdisciplinary courses to be introduced. We are looking for some new technology oriented learning avenues for students.

20. DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

1. Name of the Department**: Library and Information Science**

2. Year of the Establishment: **1982**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **BLISc, MLISc and MPhil, Post Graduate in Library Networking & Digital Technology & PhD.**

5. Interdisciplinary programmes and departments involved in

Sr. No.	New Programme	Duration	Interdisciplinary nature	Give brief account about the relevance of each programme
1	Post Graduate in Library Networking & Digital Technology	02 Semester	IT, Library & Information Science, Management	Looking to current time it is most desired course to prepare the next generations LIS Professionals

6. Courses in collaboration with other universities, industries, foreign institutions, etc **Nil**

7. Details of programmes discontinued, if any, with reasons. **Post Graduate in Library Networking & Digital Technology is Suspended (Not Discontinued) because of lack of students interest and lack of faculties.**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professor	02	-	-
Assistant Professor	01	01	01 + 02 (contractual)
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr ND Oza	PhD in LIS	Asst. Professor	Digital Lib.	13 Years and 02 Months	MPhil : 04 PhD : 03
Ms VH Chauhan	MLISc, MPhil	Teaching Assistant	-	11 Months	(She was appointed as a Teaching Assistant for the fix Tenure)
Ms SG Joshi	MLISc		-	04 Years	(She was appointed as a Teaching Assistant for the fix Tenure)
Prof CN Rawal	PhD in LIS	Professor	Info. Services	28 Years	MPhil : 28 PhD : 02 (Expired in 2010)
Prof UA Thaker Up to Oct.2014	PhD in LIS	Professor	Info. Retrieval	32 Years	MPhil : 32 PhD : 04 (Retired on 31/10/2014)

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Dr CK Patel	Librarian	Faculty of Technology, DDU Nadiad	2010-12
Dr Shailesh Yagnik	Librarian	Head, KEIC, Mudra Institute of Communication , Ahmedabad	2010-12

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Dr Manish Pandya	Rtd Librarian	Space Application Centre ISRO, Ahmedabad	2010-12
Dr Sohel Pandya	Asst. Prof.	SVNIT Vasad	2010-14
Dr Shishir Mandaliya	Assistant Librarian	Bhaikaka Library, SP University, VV Nagar	2010-13
Mr L M Katara	Librarian	V P Science College, VV Nagar	2010-14
Mr Sumanbhai Parekh	Librarian	R K Parekh, Science and Arts College, Petlad	2010-11
Dr Raju Rathod	Professor	MBA Department, SP University, VV Nagar	2015-16
Dr Yagnesh Dalwadi	Associate Prof.	Department of Business Studies, SP University	2015-16
Dr Kailash Tandel	Librarian	Agriculture University, Navsari	2014-15

13. Percentage of classes taken by temporary faculty – programme-wise information:

List of Programme	Faculty (Permanent/Temporary)	Percentage
BLISc	Temporary	40
MLISc	Temporary	60
Library Networking & Digital Technology	Temporary	50

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
BLISc	2010-11	39:3
	2011-12	33:2
	2012-13	31:2
	2013-14	25:2
	2014-15	20:1
MLISc Full Time/Part time	2010-11	33:3
	2011-12	34:2
	2012-13	32:2
	2013-14	17:2
	2014-15	27:1
MPhil	2010-11	18:3
	2011-12	5:1
	2012-13	6:2

Programme	Years	Ratio
	2013-14	1:2
	2014-15	2:1
Library Networking & Digital Technology	2010-11	4:3
	2011-12	Programme Temporary Suspended
	2012-13	
	2013-14	
	2014-15	

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	02+01 (contractual)

16. Research thrust areas as recognized by major funding agencies

Digitization of Physical Resources, Institutional Repository, Enhanced Library Services in Digital and Post Digital Era.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **NA**

18. Inter-institutional collaborative projects and associated grants received
a) National collaboration b) International collaboration

Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition : **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

a) Number of papers published in peer reviewed journals (national/ international)

Year	Number Papers Published	National	International
2010	01	-	01
2011	01	01	-
2012	01	01	-
2013	-	-	-
2014	-	-	-
Total	03	02	01

b) Monographs: **Nil**

   c)   Chapters in Books: **Nil**

   d)   Edited Books: **Nil**

   e)   Books with ISBN with details of publishers: **01**

   f)   Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) **Nil**

   g)   Citation Index – range/average: **Nil**

   h)   SNIP: **Nil**

   i)   SJR: **Nil**

   j)   Impact Factor – range/average: **Nil**

   k)   h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify): Nil

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs): **Nil**

28. Student projects: **NA**

   - percentage of students who have done in-house projects including inter-departmental projects:
   - percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by: **Nil**

   - Faculty:
   - Doctoral / post doctoral fellows:
   - Students:

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

   Please do refer Volume-II and URL:

   www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

   As per university guidelines framed from time to time.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
BLISc	2010-11	-	21	19	100	100
	2011-12	-	08	24	100	100
	2012-13	-	15	15	100	100
	2013-14	-	09	13	100	100
	2014-15	21	-	-	100	100
MLISc	2010-11	-	27	32	100	100
	2011-12	-	24	29	100	100
	2012-13	-	24	40	100	100
	2013-14	-	10	17	100	100
	2014-15	34	-	-	100	100
MPhil	2010-11	42	10	08	100	100
	2011-12	27	07	09	100	100
	2012-13	25	02	04	100	100
	2013-14	13	01	-	100	100
	2014-15	11	-	-	100	100

33. Diversity of students: **Nil**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	NET	SET
2010-11	03	00	03
2011-12	02	01	01
2012-13	03	01	02
2013-14	05	01	04
2014-15	04	01	03

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	5 (through MPhil Entrance Test)
PG to PhD	1 (through PhD Entrance Test)

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	67
from other universities within the State	33
from universities from other States	-
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period

38. Present details of departmental infrastructural facilities with regard to

   a) Library : **3000 Books and 10 Journals**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	**40/0**	**52,230**
2011-12	**23/0**	**20,789**
2012-13	**113/0**	**2,00,000**
2013-14	**-**	**-**
2014-15	**07/0**	**28,262**

   b) Internet facilities for staff and students: **18 Computers are available in Computer Lab.**

   c) Total number of class rooms: **02**

   d) Class rooms with ICT facility: 0**2**

   e) Students' laboratories: **01**

   f) Research laboratories: **01 Digital Lab comprises 15 computers for research development.**

39. List of doctoral, post-doctoral students and Research Associates :

   Please do refer Volume-II and URL: http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	**0**	**0**	**01**
2011-12	**0**	**0**	**05**
2012-13	**02**	**0**	**03**
2013-14	**01**	**03**	**03**
2014-15	**02**	**02**	**07**
Total	**05**	**05**	**19**

   Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	**2010-11**	**-**	**₹10,000/- (per annum)**	**Kashiben and Gordhanbhai Patel Scholarship**
2	**2011-12**	**Ms SA Patel**		
3	**2012-13**	**Ms TH Patel**		
4	**2013-14**	**Mr HG Rathod**		
5	**2014-15**	**Mr BN Sagara**		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

  a) does the department utilize the feedback?

  Frequently Department Consider the Lectures if so, by appropriate changing in either method of teaching/evaluation or in the syllabus restructuring.

  b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

  At the End of Every Semester department collect Feedback Form from Students

  c) alumni and employers on the programmes offered and how does the department utilize the feedback?

  The actual practitioner's view and academic warrant are always precious and department gave them due weightage as and when needed.

43. List the distinguished alumni of the department (maximum 10):

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr ND Oza	Asst Professor & I/c Head	PhD	2010
Dr CK Patel	University Librarian	PhD	2010
Dr Kailash Tandel	I/c Librarian	PhD	2013
Dr HJ Patel	Asst Professor (Ad-hoc)	PhD	2015
Ms Nisha Maharaj	College Librarian	MPhil	2012

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

  Please do refer Volume-II and URL:
  www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

  Lecture Method, Seminar, quiz, Demonstration, debate, Practice, Essay Competition.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

  Placement Ratio is evidence through which programme objectives are achieved.

47. Highlight the participation of students and faculty in extension activities.

  - **Habit cultivation of library mind by assigning a small job in nearby private libraries.**
  - **Painting.**
  - **Debate Competition.**

48. Give details of "beyond syllabus scholarly activities" of the department.

    NET, SLET Preparation, Research Paper Training

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

    Nil

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Teaching.**
• **Research.**
• **Innovative Programme.**
• **Digitization Related Issues.**
• **Placement/ Campus Interview.**

Weaknesses
• **Shortage of Staff/Faculty (at least 7 faculties).**
• **Lacking of Technical Person.**
• **Separate Building.**
• **Post of Professor is not sanctioned.**
• **Departmental Library with qualified person.**

Opportunities
• **Well-equipped Digital Laboratory.**
• **Sophisticated Computer Laboratory.**
• **Renowned Faculty (Retired but approachable).**
• **Placement Ratio.**
• **Campus Interview and reliability from employer.**

Challenges
• **Information Technology lamination on Information Science.**
• **Field may be overcome by IT professionals.**
• **Low no. Of enrolment in LIS due to govt. Negligence to filled up the vacant posts in all type of libraries.**
• **Very Low number of dedicated and experience LIS Faculty and their promotion problem.**
• **LIS courses are falls under the Arts faculty.**

52. Future plans of the department.

    The Department of Library and Information Science is striving for full fledge staff recruitment in regular manner since long. The situation before more difficult since October-2014 after the retirement of Prof UA Thaker We are in acute need of at least 02 Professors to Justify the courses offered by us.

    Even though, for the coming Academic session, we are planning to refine the syllabus to match the industrial and academic Institutions requirement.

CURRICULAM

The Various papers in BLISc, MLISc (FT and PT both), and MPhil need a change. Some of the topics in the paper will be redesigned with the help of senior professionals and practitioners in the field. Especially, IT papers should be seriously under the consideration of change-Web 2.0, Web-3.0, Cloud computing, and other related topics should be covered in the MLISc instead of MPhil. While Digital Library environment should be covered both in BLISc (Basic Concepts Only) and MLISc (Advance Application). Management and other Core papers are also need to be changed.

TEACHING METHODS

Though traditional methods are useful and result oriented, we are using interactive learning method for the deep understanding among the students. Hands-on training is essential for the professional course. We practice practical training for the students from BLISc to MPhil

EVALUATION

Assessment of Assignment, Seminars, Workbook and Journals are carried out regularly throughout the year by faculty. Moreover Internal Test, Snap Test, Surprise Quiz in the subject are observed which will be continued in the next year also.

RESEARCH

DLIS supervise and guide the students those who are keen to and interested in research activity. In the MLISc w provide an environment to inspire and pursue research in the field. Because of Lacking of adequate number of faculty, the faculty themselves are not spare the time for serious and objective thinking due to busy schedule.

PLANNING

Teaching-Learning

- To call a distinguish and experienced visiting faculty from-NDDB, IRMA, DDU, INFLIBNET etc. On regular basis.
- To organize workshop for digital library and related areas.
- To organize special classes for effective communication-Spoken English, Personality Development, Stress Management etc.
- To organise a Study Tour for exposure to real practices in the field.

Research

- To attract more students for the guided research in MPhil.
- To impart them in the course work and methodology of research.
- To undertake Major Research Project by the more faculty members.

Publication

- To plan of for the book publication on the subjects.
- To start journal in the field with the help of Alumni Association of the Department.
- To encourage students for the paper publication.

Conference Seminars

- **To plan for the organisation of at least one-two seminars in the association with either Alumni or UGC.**
- **To encourage the faculty and students for the participation and presentation of the papers in seminar/conference organized by other institute.**

Extra Circular Activity

- **To prepare students for the active participation in the events like quiz, colloquium, debate etc. In the department as well as in other department/institutions.**
- **To organize Ranganathan Day (Library Day), Shahid Nirvan Day and other important celebration at state/national/international level.**

21. DEPARTMENT OF POLITICAL SCIENCE

1. Name of the Department: **Political Science**

2. Year of the Establishment: **1958.**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MA, MPhil & PhD**

5. Interdisciplinary programmes and departments involved Political Sociology: The Indian Context, Indian Political Economy,

6. Courses in collaboration with other universities, industries, foreign institutions, etc IIPA Local Branch, Vallabh Vidyanagar a course paper on Public Administration at MA Third Semester.

7. Details of programmes discontinued, if any, with reasons. **NA**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**01**
Associate Professor	**01**	**01**	**01**
Assistant Professor	**03**	**03**	**02**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr Baldev Agja	**MA, MPhil, PhD**	**Professor and Head**	**Political Science Local Self Government & State Politics**	**22**	**MPhil : 09 PhD : 08**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr Manoj Soni	MA, PhD	Associate Professor	Political Science International Relations	24	-
Mr Hitesh Patel	MA,	Assistant Professor	Political Science Public Administration	10	-
Ms Ranjana Dholakia	MA,	Assistant Professor	Political Science Indian Politics	10	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **NIL**

13. Percentage of classes taken by temporary faculty – programme-wise information: **NA**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA	2010-11	3:40
	2011-12	3:41
	2012-13	3:46
	2013-14	3:36
	2014-15	3:51
MPhil	2010-11	---
	2011-12	---
	2012-13	1:5
	2013-14	1:4
	2014-15	1:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

    Common for English, Gujarati, History, Poltical Science, Sanskrit and Sociology.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	08+04 (contractual)

16. Research thrust areas as recognized by major funding agencies

    (a) Local Self Government
    (b) International Relations

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Not Applicable**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Not Applicable**

20. Research facility/centre with State, National and International Recognition: **Not Applicable**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Not Applicable**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	-	-	-
2011-12	03	03	-
2012-13	01	01	-
2013-14	06	06	-
2014-15	05	02	03
Total	15	12	03

    b) Monographs: **Nil**

    c) Chapters in Books: **Nil**

    d) Edited Books: **03**

    h) Books with ISBN with details of publishers: 03

    i) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

    j) Citation Index – range/average: **NA**

    h) SNIP: **NA**

    i) SJR: **NA**

    j) Impact Factor – range/average: **NA**

    k) h-index: **NA**

23. Details of patents and income generated: **Not Applicable**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/Editorial Board
Dr Baldev Agja	**Advisory Board Member**	**International Journal of Multidisciplinary Research**
Dr Baldev Agja	**Review Board Member (Political Science)**	**International Journal of Multidisciplinary Research**
Dr Baldev Agja	**Advisory Board Member Review Member**	**Global Academic Research Journal**
Dr Baldev Agja	**Review Board Member (Political Science)**	**Global Academic Research Journal**
Dr Baldev Agja	**Review Board Member (Social Impact)**	**International Journal of Social Impact**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects **NA**

    - percentage of students who have done in-house projects including inter-departmental projects:
    - percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by

    - Faculty:**Dr Manoj Soni was conferred with "World Education Congress Award in Excellence for Leadership in Open and Distance Learning 2015.**
    - Doctoral / post doctoral fellows: **Nil**
    - Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

    Please do refer Volume-II and URL:
    www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

    The Department strictly adheres to code of ethics for research that was formulated in the university guidelines formed by Board of research studies. The University is very serious about the aspect of malpractices and plagiarism in research. The aspect of plagiarism has been controlled and checked by departmental research committees during the resubmission presentation given by the candidate. The foundations of research values are very strong in the University. However, as a preventive measure the

department communicated to all the research students to check before submission about the plagiarism.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MA	2010-11	15	28	12	100	100
	2011-12	23	26	15	100	100
	2012-13	11	28	18	100	100
	2013-14	10	22	14	100	100
	2014-15	18	11	05	100	100
MPhil	2010-11	04	-	-	100	100
	2011-12	02	-	-	100	100
	2012-13	07	01	04	100	100
	2013-14	05	03	01	100	100
	2014-15	02	-	01	100	100

33. Diversity of students

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	80	19	-	-
MPhil	80	19	-	-
PhD	80	20	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	Civil Services	Defence Service	NET
2012	03	-	-	03
2013	01	-	-	01
2014	03	-	-	03
2015	01	-	-	01

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	10
PG to PhD	04

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	None
from other universities within the State	02
from universities from other States	None
from universities outside the country	None

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **NIL**

38. Present details of departmental infrastructural facilities with regard to

   a) Library : **Books are housed in Central library**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	71/0	35,360
2011-12	81/0	27,418
2012-13	151/0	1,50,000
2013-14	-	-
2014-15	55/0	29,883

   b) Internet facilities for staff and students:

   Total number of class rooms: All faculties of the department has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.

   c) Class rooms with ICT facility: **03**

   d) Students' laboratories: **Nil**

   e) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates:

   2014-15

   1. Mr Paskorn Vatayu, Supervisor: Dr Baldev Agja

   **Please do refer Volume-II and URL:
   http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf**

40. Number of post graduate students getting financial assistance from the university

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	08	02	04
2011-12	01	01	01
2012-13	04	09	09
2013-14	02	06	07
2014-15	05	05	04
Total	20	23	25

   Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship (in ₹)	Name of the Scholarship
1	2010-11	-		
2	2011-12	Ms PA Patel	10,000/- (per annum)	Kashiben and Gordhanbhai Patel Scholarship
3	2012-13	Mr MB Bhatt		
4	2013-14	Mr DD Panchal		
5	2014-15	Ms PR Machhi		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) does the department utilize the feedback?

       Yes, the faculty has been revising the syllabus according to the need of the day through BOS meetings and Department Development Committee and Department Research Committee.

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

       Yes. The department gets the data through a feedback form.

    c) alumni and employers on the programmes offered and how does the department utilize the feedback?

       Yes, the University can design and implement any changes in the existing course and new programmes through feedback.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr Manoj Soni	Former VC MS University, Vadodara&BAOU, Ahmedabad	PhD	1996
Dr Baldev Agja	Head, PG Department of Political Science, Sardar Patel University, Vallabh Vidyanagar	PhD	2002
Dr KK Parmar	Assistant Professor Limadi College	PhD	2009
Parth Patel	CEO, Anand People's Medicare Society, Anand	MA	2010
Dr MC Patel	Assistant Professor Nalini Arvind Arts College	PhD	2010
Dr DD Patel	Assistant Professor Unjja Arts College	PhD	2012
Dr Manubhai Jagani	Assistant Professor MN College, Visnagar	PhD	2013

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr Ranjana Dholakia	Assistant Professor Gujarat University	PhD	2014
Dr Dinesh Parmar	Assistant Professor Kamani Arts College, Amreli	PhD	2014

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts. **Organising Seminars for Student Academic Development**

45. List the teaching methods adopted by the faculty for different programmes.

- **Lectures**
- **Seminars**
- **Conferences**
- **Fieldwork**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Through Feedback and conducting internal assessment of the students. Counseling the students for personality development and curriculum development. Students are assigned Assignments in all subjects to improve the conceptual knowledge

47. Highlight the participation of students and faculty in extension activities: **NIL**

48. Give details of "beyond syllabus scholarly activities" of the department.

Every activity, including the teaching-learning processes, that the department organize have the students at the centre of their planning and delivery. The library assignments, the in-class interactions, and the field visits help make the learning participatory. The students are also encouraged to suggest relevant and useful additions in the curricula with a view to incorporate their insights about the contemporary social and political dynamics. The curricula are designed with an approach to help students sharpen their competitive edge, and with a view to enhance their understanding of the subject soda as to improve their employability potential. The Department feels proud of having benefit of some retired professors of other subjects who frequently visit our department. They informally discuss with the students particularly those pursuing MPhil and PhD. courses. This helps the research students in sharpening their intellectual capacity in their research work. The department has visited formally during last two years by following personalities.

- **Prof Himmat Patel, Former Professor & Head, Department of Economics, Sardar Patel University, Vallabh Vidyanagar.**
- **Prof PM Parmar, Former Associate Professor, Department of Sociology, Sardar Patel University, Vallabh Vidyanagar.**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Not Applicable**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

The department has a very forward-thinking and proactive policy with regard to inviting   experts / people of eminence to deliver lectures and also about organising seminars. Additionally, as the current head of the department holds the "Dr Babasaheb Ambedkar Chair", the programmes of the department and the Chair complement each other and provide wider opportunities for organising lectures and seminars.

51. Detail five major Strengths, Weaknesses, Oopportunities and Challenges (SWOC) of the department

Strengths
• **Endowed with the highly experienced Faculty Members.** • **Chair of Babasaheb Bhimrao Ambedkar.** • **Centre of SC/ST studies for NET Coaching Studies.** • **Sufficient Infrastructure.** • **Highly motivated students of PhD and MPhil on roll.** • **Endowed with the highly experienced Faculty Members.**
Weaknesses
• **Lack of ICT enabled classes.** • **Unable to find 100% job placements for students.** • **Lack of consultancies available for Research.** • **Lack of Financial Resources.** • **Lack of administrative support.**
Opportunities
• **Development of networking with more number of industry and research based social organizations.** • **Application of enhanced ICT.** • **Providing international exposure to the students by way of MoU's with foreign organization.** • **More and more consultancy services.** • **Research and Extension.** • **Development of networking with more number of industry and research based social organizations.**
Challenges
• **Catching with changes at the global level in respect of curriculum and teaching environments.** • **Building the network of alumni.** • **Developing students with employability skills.** • **Promoting research at international standards.** • **Catering financial resources.**

52. Future plans of the department.

Proposed Initiatives for Future

01. PARMITA: Integrated Training for Women in Public Life

With the constitutional amendment providing for reservation of seats for women in Local Self-Government Institutions, the women of our country have found a new area of making a significant contribution for the improvement of the governance, and thereby improving the overall quality of life in the local area of the concerned institutional jurisdiction.

However, the ground-level experience so far has revealed that, a large number of women, although quite capable and committed to bring about a positive change in governance, are not equipped with a systemic understanding of the dynamics, and processes of administration. They are also found to be not so well informed about the relevant laws that provide effective power to them for carrying out their responsibility in the institutions of local self-Government. Additionally, the lack of information about the schemes and projects of the State and Union Government for the multi-faceted welfare of the people within the jurisdiction of the local self-Government institutions deprive them of the benefits, which such schemes and projects can bring to the people who have given them the mandate.

PARMITA, an Integrated Training programme for Women in Public Life aims to bridge this critical gap between the constitutional empowerment of women and their capacity acquisition in public life. This initiative will be an important attempt to train the women in public life, especially those elected for the first time in the institutions of local self-Government. It is envisaged to be a self-financed programme, where the concerned local self-Government institution may be approached to fund the training programme. The funding sources could also include other voluntary organizations, and philanthropists in the area.

02. SIDDHI: Enhancing Employability Potential of Youth

One of the serious concerns of the higher education in India today is that the employability potential and capacity of a large number of university graduates in India is discouragingly low. This is all the more low for the graduates in social sciences and humanities. It may be argued that the changing nature of economy and skill-set are responsible for such a state of affairs. Nevertheless, it is equally true that the organization of the entire gamut of teaching-learning process, especially in the field of social sciences, requires vital rejuvenation, and needs to be harmony with the changing demands of the economic and employment landscape.

SIDDHI, a training programme aimed at enhancing employability potential of youth is envisaged as a multi-disciplinary initiative integrating the intellectual and skill-enhancement training of the youth, especially in the disciplines of social sciences and humanities.

The programme shall have the class-room sessions, IT proficiency sessions, field visit, and possibly internship-driven project as its constituent. This will be a self-financed programme with possible infrastructural support and cooperation from Sardar Patel University.

22. DEPARTMENT OF PSYCHOLOGY

1. Name of the Department: **Psychology**

2. Year of the Establishment: **1981**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes: **MA, MPhil, PhD, BEdSplEdu(MR) & MEdSplEdu(MR)**

5. Interdisciplinary programmes and departments involved there are two specialised subject going on one is clinical area and another is industrial organizational behaviour. The participating department involved with psychology is gujarati and history

6. Courses in collaboration with other universities, industries, foreign institutions, etc Future plan with **Saurashtra, Bhavnagar and South Gujarat. (2010-11, 2011-12 Maharshi Arvind and Sri. Subhash Chandra Bose Subject was Life Enrichment)**

7. Details of programmes discontinued, if any, with reasons. After 2013 Programme of Life enrichment Course was discontinue.

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	01	-	02
Associate Professor	01	01	01
Assistant Professor	03	03	01 + 03 (contractual)
Others	-	-	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr SJ Patel (DOL 16/01/2016)	BA, MA, PhD	Professor	Clinical Psychology	30 Years	MPhil : 18 PhD : 23
Dr Suresh Makwana	BA, MA, MPhil, PhD	Professor	Industrial Psychology	18/08/1989 to continue	MPhil : 13 PhD : 04
Dr SN Pathak	BA, MA, MSW, Dip. In Music, Dip. In HRD, PhD	Associate Professor	Industrial Psychology, Applied Psychology, Counselling Psychology.	23 Years	MPhil : 19 PhD : 06
Dr PS Suvera	BA, MA, MPhil, GSLET, PhD	Assistant Professor	Clinical Psychology, Social Psychology, Human Psychology	12 Years	MPhil : 07 PhD : -
Dr Dileep Sharma	BEd, MEd & Spl Edu, PhD	Ad Hoc Lecturer	Spl Edu	01	-
Dr Mahendra Kumar	BEd, MEd & Spl Edu, PhD	Ad Hoc Lecturer	Spl Edu	01	-
Dr Himanshu Swadia	BEd, MEd & Spl Edu, PhD	Ad Hoc Lecturer	Spl Edu	01	-

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Prof Anjali Rai	Professor	Dept of Psychology, Calcutta Uni	2010-11
Prof Jayanti Basu	Professor	Dept of Psychology, Calcutta Uni	2011-12
Dr Vibha Sharma	Professor	Dept of Clinical Psychology IHBAS	

| Dr HJ Narke | Head | Delhi. 110095
Dept of Psychology, BABA SAHEB AMBEDKAR Marthawada Uni., | |

13. Percentage of classes taken by temporary faculty – programme-wise information:

List of Programme	Faculty (Permanent/Temporary)	Percentage
BEd & MEd Spl Edu (MR)	Temporary	80

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA	2010-11	127:5
	2011-12	140:5
	2012-13	132:4
	2013-14	103:4
	2014-15	97:4
MPhil	2010-11	9:5
	2011-12	6:5
	2012-13	9:4
	2013-14	14:4
	2014-15	6:4
Bed Spl Edu (MR)	2010-11	Prog Start from 2011-12
	2011-12	29:2
	2012-13	29:2
	2013-14	29:2
	2014-15	29:4
MEd Spl Edu (MR)	2010-11	Prog. Start from 2014-15
	2011-12	Prog. Start from 2014-15
	2012-13	Prog. Start from 2014-15
	2013-14	Prog. Start from 2014-15
	2014-15	12:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	03 (contractual)

16. Research thrust areas as recognized by major funding agencies

Psychological diseases relation to different perspective as well as T.B, HIV, Diabetes, Blood Pleasure with Physical and Mental Effect

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of Faculties	Project Title	National/ International	Name of Funding Agencies	Total Grant Received (in ₹)	Year Project Start
Prof SM Makvana	To Study Fear Of Death And Well-Being With Reference To Diabetes Challenger	National	UGC	No.C/B-16/ SMM/14-15/ 231 Date: 16/04/2014 1,45,000	2014
Dr SN Pathak	A comparative study…….of tribal secondary higher secondary school students	National	UGC	F.9B-16/SP/ 14-15/39 1,65,000	2014
Dr PS Suvera	Locus of control & Psychological Well Being : A comparative study tribal & non tribal students	National	UGC	F.No.6-84/ 2012(HRP) 31/08/2012 1,25,000	2012

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received (in ₹)	Year
To Study Fear Of Death And Well-Being With Reference To Diabetes Challenger	UGC-SAP/CAS	1,45,000	Apr 2014 - Aug 2014

Name of Project	Funded by	Total Grant Received (in ₹)	Year
A comparative study of emotional maturity, self concept and psychological well being of tribal secondary higher secondary school students		1,65,000	Apr 2014 Aug 2014
Locus of control & Psychological Well Being : A comparative study tribal & non tribal students		1,25,000	Aug 2012- Completed
Interdisciplinary variation in product preference in terms of products attribute rating	OTHER Seed Grant Project Sardar Patel University	40,000	06/11/2012
Emotional maturity and Psychological Adjustment :A Comparative Study of Tribal and Non-Tribal College Students	Seed Grant Project Sardar Patel University	25,000	23-12-2011
Personality, Sexual Attitude and Psychological Well-being : A Comparative Study of Tribal and Non-Tribal College Students	OTHER Seed Grant Project Sardar Patel University	40,000	Jan 2015

20. Research facility/centre with State, National and International Recognition : **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

   a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Paper Published	National	International
2010-11	04	03	01

2011-12	**02**	**00**	**02**
2012-13	**20**	**06**	**14**
2013-14	**06**	**01**	**05**
2014-15	**07**	**01**	**06**
Total	**39**	**11**	**28**

b) Monographs: **Nil**

c) Chapters in Books: **05**

d) Edited Books: **06**

e) Books with ISBN with details of publishers: **10**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

g) Citation Index – range/average: **Nil**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average:- **6.39 (Score of 62.65)**

k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad

Name of Faculty	**Year of Visit**	**National**
Dr SJ Patel	**2011-2015**	**Department of Psychology, Saurashtra University, Rajkot**
Dr SN Pathak	**2014-15**	**Department of Psychology, M S University, Vadodara**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	**Committee Name**	**National/International/Editorial Board**	**Year of Joining**
Dr Suresh Makwana	**Chairman, Board of Studies in Psychology**	**National**	**July, 2014**
	Chief Editor	**International Journal of Indian Psychology**	**Oct, 2013**
	Chief Editor	**International Journal of Social Impact**	**Jan, 2016**

	Advisor	International Journal of Creative Writing and Literary Studies	Oct, 2015
	Advisor	International Journal of Engg. Research and Adv. Development	Oct, 2014
	Member of Advisory Committee	Radio Station, Sardar Patel University	July, 2015
	Sectional Member	India Science Congress Association, Kolkata	2010-11 & 2013-14
	Active Member	Indian Psychology Association	2014-15
	Member	India Academic of Applied Psychology, Madras	2010- till date
	Active Member	Community Psychology Association	2011-12 to till date
Dr PS Suvera	West Zone Sectional Member	India Science Congress Association, Kolkata	2015-16
	Active Member	Indian Psychology for Mental Health	Since 2009 to till date
	Member	India Academic of Applied Psychology, Madras	2006- till date
	Active Member	Community Psychology Association	2005 to till date
	Active Member	Sardar Patel University Teacher Association	2005 to till date
	Active Member	Sardar Patel University Advisory Committee for ST & SC	2006 to till date
	Editorial Assistant	International Journal of Indian Psychology	2013
	Committee Member	Sardar Patel University College Development Committee	2015
	Active Member	Gujarat State Schedule Tribes College and University Teacher Association	2006
	Active Member	Gujarat State Schedule caste and Schedule Tribes College and University Teacher Association	2006

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects: **NA**

- percentage of students who have done in-house projects including inter-departmental projects:
- percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by

- Faculty:

Name of Faculty	Awards/Recognitions Given by	Year
Prof SM Makvana	**"SHREE DADABHAI NAVRIJI" International Level award "Best Research Paper Competition of Sardar Patel University " abroad (15-12-2010) 2010-11- by Dr (Miss) Cashmera P.Bhaya P.O.Box.1171, Post Code-112, Ruwi Muscat, Sultanate of OMAN**	**2010**
	Best research paper Presented on the International conference March - 2014- .I.P.A.President's Gold Medal Award 2014 from Magadh Univeristy Bodhgaya Bihar	**2014**
Dr PS Suvera	**Best Research Paper Presented on the International conference March - 2014- .I.P.A.President's Gold Medal Award 2014 from Magadh Univeristy Bodhgaya Bihar**	**2014**

- Doctoral / post doctoral fellows: **Nil**

- Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Year	National/ International	Name of Seminar/Conference/ Workshop	Source of Funding	Participant Details (In numbers)
11-12 Jun 2013	**National Seminar**	**Communication of Research in Psychology**	**ICSSR & Sardar Patel University**	**44**
08-09	**National**	**Women Insecurity**	**UGC &**	**122**

Feb 2014	Conference	Issues and Mental Health (Reasons & Solutions)	Sardar Patel University	
21-22 Feb 2015	National Conference	Psychological Well Being of Differently Abled Person (Intervention, Strategies & Remediation)	UGC & Sardar Patel University	87

31. Code of ethics for research followed by the departments As per university guidelines.

    As per University guidelines framed from time to time.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MA	2010-11	108	60	75	100	100
	2011-12	123	61	79	100	100
	2012-13	66	50	82	100	100
	2013-14	61	50	52	100	100
	2014-15	47	--	--	100	100
MPhil	2010-11	25	4	5	100	100
	2011-12	29	1	6	100	100
	2012-13	25	5	4	100	100
	2013-14	37	5	9	100	100
	2014-15	30	--	--	100	100

33. Diversity of students:- **Nil**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	SLET	Total Numbers of Students
2010-11	-	-
2011-12	-	-
2012-13	02	02
2013-14	01	01
2014-15	02	02

35. Student progression

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	16 (through MPhil Entrance Test)
PG to PhD	1.5 (through PhD Entrance Test)

36. Diversity of staff

Percentage of faculty who are graduates	
of the same university	43
from other universities within the State	43
from universities from other States	14
from universities outside the country	00

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

    a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	114/0	55,176
2011-12	91/0	55,665
2012-13	176/0	1,10,000
2013-14	10/0	5,024
2014-15	08/0	3,632

    b) Internet facilities for staff and students: **6 Computer and 2 Laptops**

    c) Total number of class rooms: **03**

    d) Class rooms with ICT facility: **01**

    e) Students' laboratories: **01 with ICT Facilities**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

    a) from the host institution/university

    2010-11

    1. **Ashok J Zala, Supervisor: Prof SJ Patel**
    2. **Mukesh B Bhatt, Supervisor: Prof SM Makvana**
    3. **Mitesh D Swami, Supervisor: Prof SM Makvana**
    4. **Arpita Jagdishkumar Chavda, Supervisor: Prof SM Makvana**
    5. **Laxami R Sahani, Supervisor: Dr SN Pathak**

    2011-12

    6. **Diptee R Thakur, Supervisor: Prof SJ Patel**
    7. **Shah Pratika Sundarbhai, Supervisor: Prof SM Makvana**

    2012-13

    8. **Dipsangbhai G Gohil, Supervisor: Prof SJ Patel**

9. **Mahesh B Bharvad, Supervisor: Prof SJ Patel**

Student Name	Year of Completion
Dr DR Thakur	2015
Dr PM Chaudhry	2015
Dr HJ Panchasara	2015
Dr MB Bharwad	2015
Dr HS Desai	2014
Dr LR Sahani	2014
Dr AJ Zala	2014
Dr AN Damakle	2014
Dr MB Bhatt	2014
Dr AJ Chavda	2014
Dr SM Makwana	2014
Dr D H Patel	2014
Dr BS Parimal	2014
Dr Shailu Chhajer	2014
Dr RM Vyas	2013
Dr RB Rabari	2013
Dr PV Desai	2013
Dr VF Rohit	2013
Dr NA Pandya	2013
Dr TR Desai	2013
Dr SN Vaidya	2013
Dr MR Patel	2013
Dr KH Patel	2013
Dr SD Gajjar	2012
Dr Suwanit Theerathan	2013
Dr Anuradha	2012
Dr Kttitorn Wongtrairat	2012
Dr Navin Charoenporn	2011
Dr Niyomporn Thamvongsa	2011
Dr MD Swami	2013
Dr MB Thavethiya	2013
Dr MK Chocha	2013
Dr Sangeeta Shastri	2013
Dr AR Gohil	2012

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	06	12	12
2011-12	05	12	10
2012-13	11	05	19
2013-14	15	12	23
2014-15	05	12	24
Total	42	53	88

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms NS Sonara		
3	2012-13	Ms MM Chauhan		
4	2013-14	Mr TV Sojitra		
5	2014-15	Ms JK Barot		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

   No Programme establish during the assessment year.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback?

   Orally at the end of Semester

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   Take Feedback form from Students in every Final semester for academic & curriculum improvement

   c) alumni and employers on the programmes offered and how does the department utilize the feedback?

   NIL

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr Arpita Chavda	Lecturer	PhD	2014
Mr Ramesh Prajapati	Assistant Professor	MA, MPhil	2013
Mr Ankur Mahida	Lecturer	MPhil	2013
Dr Vasant Rohit	Govt Officer	PhD	2013

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Dr Trusha Desai	Associate Professor	PhD	2014
Dr Ashok Zala	Associate Professor	PhD	2013
Dr Ajitsinh Gohel	Principal	PhD	2013
Dr Dipti Thakur	Teacher	PhD	2013
Dr Brinda	Lecturer	PhD	2014
Dr Nidhi Patel	Counsellor	MPhil	2013
Dr Mukesh Bhatt	Assistant Professor	PhD	2014
Dr Mitesh Swami	Counsellor	PhD	2013
Dr Jaswant Dewda	Assistant Clerk	MA, MPhil	2013
Mr Rajendra Patel	Counsellor	MA, MPhil	2013
Ms Krutika Shah	Counsellor	MA MPhil	2013

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

Occasionally exercise in listening and speaking with improvement of English and Gujarati language as a Psychological form given to students.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Those students who are join the Job Opportunity is our achievement

47. Highlight the participation of students and faculty in extension activities. **NIL**

48. Give details of "beyond syllabus scholarly activities" of the department. **Self Study Course**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **NIL**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

Total 5 projects have been completed in the field of psychological well-being & personal death which is very significant in the field of psychology.

- **Faculty member of the department have published six books in origin.**
- **Following two International journals have been started form last two years:**
  1. international journal of Indian psychology,-www.ijip.in
  2. international journal of social impact-www.ijsi.in).

- **Different academic position like Prof (Dr) Suresh Makvana, as a Chairman of Board of study in subjects.**
- **Faculty member of the department have external and internal referee of PhD thesis of different state Universities of India.**
- **New course has been started namely MRBEed & Med course for the benefits of mental retarded students.**
- **Developed New Courses with opportunity of the students.**
- **Generating different type practical and Survey to the created knowledge.**
- **Teachers and different faculties given by guidance to the student.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
Good numbers of books have been published.   **Good numbers of Research papers have been published by the faculty members.**   **Every faculty has participated in the national & international seminar, conference, symposia and presented research paper.**   **New syllabus has been restructured for P.G.Students as per the CBCS pattern.**   **Different academic and educational places visited by students of the department of psychology.**

Weaknesses
Vacancy of teaching staff due to pending clearance from Government.   **Students are weak in English language so it is difficult for them to read recent books in English language.**

Opportunities
Students are given extra coaching for NET & SLET examination. So many of them will get through from NET or SLET examination and will get job in academic institutions.   **Student having specialization in industrial psychology will get join in industrial field as industrial psychologist.**   **Special programme of what are Panchyati raj areas will get developed and growth of self concept and how achievement motivation with can behave to special developed by the department & students.**   **Students with B.ed & M.ed in M.R will get good job in connectional field course for the benefits of mental retarded students.**   **Students are given extra coaching for UPSC/GPSC/Banking examination. So many of them will get through from UPSC/GPSC/Banking examination and will get job in administration institutions.**

Challenges
Many students are suffering from acrophobia & it is very difficult to overcome that phobia.   **Student have not developed competitive temperament to face the competitive exam like IAS & GPSC.**   **Student have not get good information of library science, therefore aware and taken good step reference to preparation of paper presentation and research**

> **work.**
> - **Socially and economically backward class students actually not aware in benefit of education taken action.**
> - **Priminister has declared India have been "SAFAI ABHIYAN" in our premises student have known and action taken the mission.**

52. Future plans of the department.

- **In future to establish new industrial psychological laboratories along with existing experimental lab.**
- **To start new course in future establish diploma in counselling and guidance centre.**
- **To start remedial coaching classes for poor students.**
- **In future will be plan new establish counselling and guidance centre.**
- **Psychological wellbeing centre also will plan in new established organization.**

23. DEPARTMENT OF SANSKRIT

1. Name of the Department: **Sanskrit**

2. Year of the Establishment: **1958**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MA (Regular & External), MPhil & PhD.**

5. Interdisciplinary programmes and departments involved **Nil**

6. Courses in collaboration with other universities, industries, foreign institutions, etc **Nil**

7. Details of programmes discontinued, if any, with reasons .**Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **NA**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**01**
Associate Professor	**01**	**01**	**01**
Assistant Professor	**02**	**02**	**01**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Prof Dr NP Patel	**MA, PhD**	**Professor & Head**	**Nyaya, Vyakarana**	**28 Years**	**13**
Dr PV Joshi	**MA, BEd, PhD**	**Associate Professor**	**Poetics, Modern Sanskrit**	**29 Years**	**08**
Dr MG Patel	**MA, PhD**	**Assistant Professor**	**Purana**	**04 Years**	**-**

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors

Name of Fellows/Faculty, Emeritus Professors	Designation	Department/University/Institution	Year of Visit
Prof Dr KN Joshi	**Professor (Retd.)**	**Department of Sanskrit, Vikram University Ujjain**	**10/02/2014 to 17/02/2014**

13. Percentage of classes taken by temporary faculty – programme-wise information:**NA**

14. Programme-wise Student Teacher Ratio

Programme	Years	Ratio
MA	**2010-11**	**61+30 (previous) 52+14 (Final)**
	2011-12	**62+05 (Sem. I&II) 51+24 (Sem. III&IV)**
	2012-13	**57+08 (Previous) 53+05 (Final)**
	2013-14	**61+04 (Sem. I&II) + 50+08 (Sem. II&IV)**
	2014-15	**-**
MPhil	**2010-11**	**04**
	2011-12	**02**
	2012-13	**02**
	2013-14	**10**
	2014-15	**10**

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

    Common for English, Gujarati, History, Poltical Science, Sanskrit and Sociology.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**08+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies **Nil**

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise: **Nil**

18. Inter-institutional collaborative projects and associated grants received
    a) National collaboration b) International collaboration

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received	Year
Nyayparamparama Vad, Jalp ane Vitandanu Svarup – Mahatta	**OTHER (seed money)**	**₹25000**	**2011**

20. Research facility/centre with State, National and International Recognition: **NA**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **NA**

22. Publications:

   a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of Papers Published	National	International
2010-11	**04**	**02**	**02**
2011-12	**02**	**02**	**-**
2012-13	**03**	**03**	**-**
2013-14	**03**	**03**	**-**
2014-15	**01**	**01**	**-**
Total	**13**	**11**	**02**

   b) Monographs: **Nil**

   c) Chapters in Books: **Nil**

   d) Edited Books: **Nil**

   e) Books with ISBN with details of publishers: **02**

   f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.)

   g) Citation Index – range/average: **Nil**

   h) SNIP: **Nil**

   i) SJR: **Nil**

   j) Impact Factor – range/average: **Nil**

   k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Committee Name	National/International/ Editorial Board	Year of Joining
Prof Dr NP Patel	Prajna	National, Sardar Patel University, Vallabh Vidyanagar	2010
	Member (Ex-Officio) Senate	Sardar Patel University, Vallabh Vidyanagar	2012
	Member (Ex-Officio), Academic Council	Sardar Patel University, Vallabh Vidyanagar	2012
	Member (Ex-Officio), Faculty of Arts	Sardar Patel University, Vallabh Vidyanagar	2012
	Chairman, Board of Studies	Sardar Patel University, Vallabh Vidyanagar	2011-2014
	Member (Ex-Officio), Board of Studies in Sanskrit	Sardar Patel University, Vallabh Vidyanagar	2014
	Member (Ex-Officio), Postgraduate Board of Studies and Research	Sardar Patel University, Vallabh Vidyanagar	2012
	Life Member, Gujarat Rajya Sanskrit Adhyapak Mandal	State Level	1990
	Member, Charutar Sanskrit Parishad	State Level	1997
	AIOC membership	National	2010
	Life member Bharteeya Darshan Parishad	Indore	2004
	Co-opted Member, Board of Studies	Veer Narmad South Gujarat University	2014
	Co-opted Member, Board of Studies	The M. S. University of Baroda	2012

Name of Faculty	Committee Name	National/International/ Editorial Board	Year of Joining
	Ved-Vidya-Pratishthan	Vadodara	2011
	Expert member, PhD RDC member	Veer Narmad South Gujarat, University	2010
	Expert member, PhD RDC member	MS University, Vadodara	2010
	Expert member, PhD RDC member	Bhavnagar University	2009-2012

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects **NA**

   - percentage of students who have done in-house projects including inter-departmental projects:
   - percentage of students doing projects in collaboration with other universities/industry/institute

29. Awards/recognitions received at the national and international level by **NA**

   - Faculty:

Name of Faculty	Awards/Recognitions Given by	Year
Dr NP Patel	Shankracharya Of Kaanchi kama koti Felictated Considering Contribution to Sanskrit learning	2012-13
Prof Dr NP Patel	Gujarat sahitya academy Gandhinagar	2013-14

   - Doctoral / post doctoral fellows:
   - Students:

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

Code of ethics for research is formulated and monitored by departmental research committee (DRC).

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	Female	Male	Female
MA	2010-11	134	92	65	100	100
	2011-12	87	72	70	100	100
	2012-13	87	68	55	100	100
	2013-14	73	67	56	100	100
	2014-15	55	-	-	100	100
M.Phil	2010-11	42	02	02	100	100
	2011-12	17	02	-	100	100
	2012-13	13	01	01	100	100
	2013-14	31	03	07	100	100
	2014-15	24	-	-	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MA	85	15	-	-
MPhil	80	20	-	-
PhD	03	03	-	-

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise

Year	Number of Students	Civil Services	Defence Service	NET	SET	GATE	GPSC
2013	03	-	-	-	02	-	01
2014	04	-	-	-	04	-	-
2015	04	-	-	04	-	-	-

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	6 (through MPhil Entrance Test)
PG to PhD	3 (through PhD Entrance Test)

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**33**
from other universities within the State	**67**
from universities from other States	**-**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

    a) Library

    Yes, more than 300 books in departmental library.

Year	Number of Books/Journals	Amount (in ₹)
2010-11	**-**	**-**
2011-12	**-**	**-**
2012-13	**260/0**	**1,10,000**
2013-14	**-**	**-**
2014-15	**-**	**-**

    b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

    c) Total number of class rooms: **03**

    d) Class rooms with ICT facility: **01**

    e) Students' laboratories: **Computer Laboratory**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates :

    2011-12

    1. Khushbu Pancholi, Supervisor: Prof Dr NP Patel

    2012-13

    2. Divya D Patel, Supervisor: Prof Dr NP Patel
    3. Diksha Savla, Supervisor: Ajit I Thakor

    2013-14

    4. Hemant Vaishnav, Supervisor: Prof Dr NP Patel
    5. Pravin Amin, Supervisor: Prof Dr NP Patel
    6. Paresh Trivedi, Supervisor: Dr PV Joshi

    Please do refer Volume-II and URL:
    http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	14	37	30
2011-12	0	35	21
2012-13	10	13	20
2013-14	13	41	22
2014-15	14	28	21
Total	51	154	114

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11		₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Mr AR Parmar		
3	2012-13	Mr LV Shukla		
4	2013-14	Mr SM Raulji		
5	2014-15	Ms ND Raj		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **NIL**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

    a) does the department utilize the feedback?

       Yes

    b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

       Course development, teaching learning process

    c) alumni and employers on the programmes offered and how does the department utilize the feedback?

       No

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing	Any Other Remarks
Diksha Shavala	Assistant Professor, Govt. college, Himmant Nagar	PhD	2013	-
Divya Patel	Assistant Professor, Govt. Arts College, Gandhinagar	PhD	2013	-

Name of Alumni	Present Profession	Programme Offered	Year of Passing	Any Other Remarks
Paresh Trivedi	Associate Professor, Arts College Anklav	PhD	2013	-
Hemant Vaishnav	Associate Professor, Samarpan Arts College, Gandhinagar	PhD	2013	-
Pravin Amin	Associate Professor, Arts College Kankanpur	PhD	2013	-
Divyanath Shukla	Assistant Professor, Govt. Arts College,	MPhil	2010	-
Presh Parekh	Assistant Professor, Arts College Munpur	MPhil	2011	-
Vinay Patel	Assistant Professor, A.S. Pate Arts College, Boriyavi	MPhil	2013	-
Priyank Raval	Assistant Professor, Shri J.M. Patel P.G. Studies & Research in Humanities, Anand	MPhil	2014	-
Lekha Shukla	Assistant Professor, N.S. Patel Arts College, Anand	MPhil	2014	-
Shailesh Raulji	Assistant Professor, Shri J.M. Patel P.G. Studies & Research in Humanities, Anand	MPhil	2015	-

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Year	Name of Events	Details of Events
2010-11		-
2011-12		-
2012-13	Special Lectures	Mangal Pravachan, Prof Dr DS Mishra, 03/07/2012
		Naishadhiyacharitam nu sarga-01 Rasadarshan, Prof Dr Jaydev Jani, 4/07/2012.
		Mahabharat ni samikshit avruti, Prof Dr Mukund Wadekar, 24/07/2012.
		Jain Darshan ma Kashay, Prof Dr Naresh Ved, 03/10/2012.
		Adhunik samay ma Sanskrit bhasha nu mahatva, Prof Dr Maheshchandra Yajnik, 06/09/2012

		Vedant ane Vyavahar, Saint Shri Rasik Vihariji, 10/09/2012
		Vasant vijay, Prof Dr MH Patel, 24/09/2012
		Vadik Vyakaran, Prof Dr Satyaprakash Dube, 23/01/2013
		Paniya Shiksha, Vakroktijivit, Prof Dr Rameshchandra Panda, 29/01/2013
		Uttararamcharitam, Niruktam, Prof Dr Ravindra Panda, 29/01/2013
		Nyaya Darshan ma Praman, Dr Shweta Prajapati, 29/01/2013
2013-14		**Dhvanyaloka tatha Natyashastra, Dr Dilip Patel, 21/08/2013 to 23/08/2013**
		Sebi dwara ayojita gharana mobhio- gruhinio mate nanakiya ayojan, Dr Jayeshbhai Pujara, 10/09/2013
		Vedo me vijnana, Prof Dr Gauri Mahulikar, 25/09/2013
		Vijnana ni ajna samayama upyogita, Prof Dr Ujjaval Trivedi, 27/12/2013
		Sahitya ane Samaj, Prof Dr MH Patel, 27/12/2013
		Shikshan chintan, Prof Dr DU Patel, 28/12/2013
		Agneyajiki rachanao me samaj chitra, Prof Dr Dayashankar Tripathi, 28/12/2013
		Hindi bhasha nu mahatva, Prin. Dr Manoj Patel, 28/12/2013
		Dhvanyaloka tatha Natyashastra, Dr Dilip Patel, 21/08/2013 to 23/08/2013
		Sebi dwara ayojita gharana mobhio- gruhinio mate nanakiya ayojan, Dr Jayeshbhai Pujara, 10/09/2013
		Vedo me vijnana, Prof Dr Gauri Mahulikar, 25/09/2013
2014-15		**Prof Dr Rajendra Nanavati, Kuntak no Vakrokti Vichar, 23/08/2014.**
		Saint Shri Rasik Vihariji, Shrimad Bhagavadgita manav sanskritino grantah, 29/12/2014.
		Prof Dr Jaiprakash Narayan Dwivedi, Sahitya shastra ma rasa nirupana, 27/02/2015.
		Prof Dr MH Patel, Kavita nu svarup, 02/03/2015.
		Prin Dr Hashyada Pandya, Vedo ma manava jivan ane tenu samprat samay ma mahatva, 02/03/2015
		Dr Hasamukh Barot, Hindi Upanyasa ke sarokar, 02/03/2015
2010-11		**-**
2011-12		**-**

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2012-13	**Workshops**	**-**
2013-14		**Translation workshop on Sanskrit sahitya ma vanaspati, 03/03/2014 06/03/2014**
		Prof Shantikumar Pandya, Prof Piyush Joshi, Prof Maheshchandra Yagnik, Dr RK Mandaliya, Prof Dr Niranjan Patel, Dr PV. Joshi, Dr MG Patel
2014-15		**-**
2010-11	**Seminar**	**-**
2011-12		**-**
2012-13		**-**
2013-14		**National Seminar, Sanskrit Kavita, 19-20/10/2013**
		Prof Satya Prakash Dube, Vaidk Kavita
		Kedar Narayan Joshi, Kalidas ki Kavita
		Prof Jayprakash Narayan Dwivedi, Vyasa ni Kavita
		Prof Vijaybhai Pandya, Sanskrit Subhashita
		Prof Harshdev Madhav, Modern hikus
		Prof Rashmikant Mehta, Ramkirti mahakavya
		Prof RK Panda, Bhavabhuti
		National Seminar on Malti Dimensions of Kevaladvait Vedant (With Special reference to Adi Shankaracharya), 01-02/02/2014
		Prof S Revathi, Liberation in Indian Vedant Philosophy
		Prof Vijaybhai Pandya, Multiple Dimention of Vedanta
		Dr Dhananjay Pandey, Discourse on Vedant
		Dr Pramodkumar Sharma, Kevaladvait and Shuddhadvait
		Prof Girish jani, Certain issue of Vedanta
		Prof Jayprakash Narayan Dwivedi, Various principles of Vedant
		Prof Maheshchandra Yajnik, Various aspects of Vedant
		Prof DS Mishra, Savitri
2014-15		**-**
2010-11	**Others**	**-**
2011-12		**-**
2012-13		**-**
2013-14		**UGC Scheme of Exchange of Teacher:**
		(Visiting Fellow) Meghaduta, Sahitydarpan, Kavyamimamsa, Dashrupak, Kavyamimamsa: Prof Dr Kedar Narayan Joshi, 10/02/2014 to 17/02/2014
		(UGC Scheme of Exchange of Teacher): Form of Brahman in Shankarabhashya, Mayavada-Khandan, 'Adhyasa' in Vivekachudamani, Dr Dhananjay Pandey, 03/02/2014 to 05/02/2014

2014-15		Jnana-Satra on Bharatiya darshana ma jnana mimamsa, 13-14/08/2014
		Prof Dr Jitubhai Shah, Jain darshana ma jnana mimamsa, 13/08/2014
		Prof Dr Dilipbhai Charan, Bauddha darshana ma jnana mimamsa, 13/08/2014
		Prof Dr Jaydev Jani, Vedant darshana ma jnana mimamsa, 14/08/2014
		Prof Dr Gunvant Vyas, Shrimad Bhagava ma jnana mimamsa, 14/08/2014
		Exchange of Teacher Programme
		Dr Pramod Kumar Sharma: Paniniya Shiksha, Karak & Samas, 02-03/02/2015
		Jnana-Satra on Bharatiya darshana ma Tatva mimamsa ane jnana mimamsa
		Prof. Dr Lakshmesh Joshi, Nyay-Vaisheshik darshana ma jnana mimamsa, 24/02/2015
		Prof Dr Naresh Ved, Jain darshana ma jnana mimamsa, 24/02/2015
		Prof Dr Vijay Pandya, Upanishadoma jnana mimamsa, 25/02/2015
		Prof Dr Maheshchandra Yajnik, Mulya mimamsa ane saundarya mimamsa, 25/02/2015
		Dr Mahendra Chotlaliya, Bauddha darshana ma jnana mimamsa, 25/02/2015

45. List the teaching methods adopted by the faculty for different programmes.

   Using audio video teaching method in the class room session.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

   Under student awareness programmes various lecturers are organized: Dr Jayeshbhai Pujara, Sebi dwara ayojita gharana mobhio- gruhinio mate nanakiya ayojan, 10/09/2013

47. Highlight the participation of students and faculty in extension activities. **Nil**

48. Give details of "beyond syllabus scholarly activities" of the department.

   Vagvardhini-sabha

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Applied Philosophy**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strength:
• **Adequate infrastructure and Physical facility.** • **Qualified and pro-active faculty.** • **Disciplined and Sincere students.** • **Faculty awarded with awards.** • **Focus on applied Philosophy.**
Weaknesses:
• **Vacancies in teaching and non-teaching staff due to clearance from Government.** • **We are three faculty members since last 10 years.** • **Lack of separate Departmental Support staff.** • **Limited ICT Facility.** • **Limited Exposure of faculty and to national and international & Academy events.** • **Slowly Declining students strength.**
Opportunities:
• **Scope for introducing new course (papers)** • **Scope for strengthening ICT.** • **Scope for developing Departmental library.** • **Scope for developing course on spoken Sanskrit.** • **Scope for collaboration with regional Sanskrit Path-shala.**
Challenges:
• **Maintaining Student Strength.** • **Training facility for using ICT in teaching learning.** • **Training of students in Sanskrit speaking.** • **Creating research culture among the students.**

52. Future plans of the department.

- **Planning to organise regular classes of spoken Sanskrit.**
- **Planning to develop collaboration with Sanskrit University of Gujarat and other state.**
- **Planning to developing tools of teaching Sanskrit in its own script.**
- **Planning for digitizing manuscripts of Sanskrit scripts and other documents.**
- **Planning to conduct interdisciplinary research on Ideology.**

24. DEPARTMENT OF SOCIAL WORK

1. Name of the Department: **Social Work**

2. Year of establishment: **June 1997**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MSW, MHRM, MPhil & PhD.**

5. Interdisciplinary programmes and departments involved, with M**anagement, Sociology, Psychology Economic, Computer Science, Business Management and Commmerce**

6. Courses in collaboration with other universities, industries, foreign institutions, etc **NA**

7. Details of programmes discontinued, if any, with reasons .**NA**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: NA

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	-	-	-
Associate Professor	-	-	-
Assistant Professor	02	02	02
Others	-	06	-

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr SD Mishra	PhD, MSW	I/c Director	**Social Work**	16	PhD : 04 M. Phil.: 17
Dr Bigi Thomas	PhD, MSW, NET (JRF)	Lecturer (Senior Scale)	**Social Work**	16	PhD : 03 M. Phil.:14

Dr SR Prabhakar (Retired)	**PhD, MSW**			**03**	**-**
Dr N Sangwan	**PhD, M.Phil, MSW**	**Lecturer**	**Social Work**	**08**	**-**
Ms Poonam Singh (Left)	**MPhil, MHRM**	**Lecturer**	**Human Resource Management**	**06**	**-**
Mr MehulRabari	**PhD (Pursuing), MSW, NET**	**Lecturer**	**Social Work**	**06**	**-**
Ms Kunjan Vasavada (Left)	**MHRM**	**Lecturer**	**Social Work**	**02**	**-**
Mr Shyam Singh Inda (Left)	**MHRM, Ph.D (Pursuing)**	**Lecturer**	**Human Resource Management**	**03**	**-**
Ms Komal Kantariya (Left)	**MSW, MPhil**	**Lecturer**		**03**	**-**
Ms Avani Trivedi (Left)	**MHRM**	**Lecturer**	**Human Resource Management**	**01**	**-**
Mr Jitendra Lalvani	**MHRM, PGDLP, PGDHRD, Ph.D (Pursuing)**	**Lecturer**	**Human Resource Management**	**03**	**-**
Mr Brijesh Patel	**MHRM**	**Lecturer**	**Human Resource Management**	**1.5**	**-**
Ms Sadhana Adhikary	**MSW**	**Field Work Supervisor cum placement officer**	**Social Work**	**17**	**-**
Mr Keyut Bhatt	**MSW**	**Asst. Field Work Supervisor cum placement officer**	**Human Resource Management**	**1.5**	**-**

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors: **Nil**

13. Percentage of classes taken by temporary faculty-programme-wise information: **65%**

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
MSW	2010-11	27:1
	2011-12	27:1
	2012-13	27:1
	2013-14	27:1
	2014-15	29:1
MHRM	2010-11	27:1
	2011-12	27:1
	2012-13	27:1
	2013-14	27:1
	2014-15	29:1
MPhil	2010-11	5:1
	2011-12	5:1
	2012-13	5:1
	2013-14	5:1
	2014-15	5:1

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Designation	Number of Staff
Fieldwork Supervisor cum Placement Officer	02 (contractual)
Administrators/Clerks	03 (contractual)
Office Boys	02 (contractual)
Sweeper	01 (contractual)

16. Research thrust areas as recognized by major funding agencies.

Women and Children, Public Health, Reproductive Health, Youth and Community Development Programs

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) Total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of the Principal Investigator/Co-investigator	Title	Minor/ Major	Funding Agency	Amount of Research Grant sanctioned with Letter No. & Date	Duration	Amount of grant released with letter no. and date (year wise details)
Dr SD Mishra	'Spatial and Regression Analysis of Decline Juvenile Sex	Major	UGC, Delhi	546/2013 (HRP) Dt. 04-03-2013 ₹8,34,600	01-04-2013 To 31-03-2015	₹10,00000

	Ratio in Urban Gujarat with Special reference to three districts: Mehsana, Gandhinagar and Surat.					
Dr SD Mishra	'Promotion and Protection of Child Rights: An Intervention Studies in Children Home of Anand and Nadiad District'.	Extramural	UGC XII Plan Scheme : Human Rights and Duties	C/XII Plan/14 - 15/6299, dt. 13-01-2015	January, 2015	₹53,000

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration

Pratham is an NGO works in the primary education sector in India. MOU was signed between department of social work, SPU an Pratham, Ahmedabad to carry out an external evaluation of Read India Campaign [a flagship programme of Pratham which was active in 251 rural districts across 19 states in India.

A project on preparation of District Human Development Report (DHDR) has been completed for The Dangs district of Gujarat in collaboration with Economics Department, MBA department of the Sardar Patel University.

A project on preparation of District Human Development Report (DHDR) has been completed for Panchmahals district of Gujarat in collaboration with Economics Department, MBA department and Statistics department of the Sardar Patel University.

Two projects sponsored by Election Commission of India (ECI) on the topic of 1) Baseline study of Knowledge, Attitude, Belief and Practices among electors in Gujarat before Assebly Election and 2) End line study on electors of Gujarat after Assebly Election to study Knowledge, Attitude, Behaviour, Beliefs and Practices was undertaken by the department wherein faculty of the department have different specialization were involved

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received.

Name of Project	Funded by	Total Grant Received (in ₹)	Year
Son Preference and Reproductive Behaviour of women in Anand	UGC, New Delhi	55,000	1/1/2008-31/12/2010
Impact of NREGA Scheme: A Study on the Overall Quality of Life of Its Beneficiaries. [A Study Undertaken among beneficiaries of 3 districts of Gujarat State	UGC, New Delhi	5,76,600	1/2/2011-31/1/2013 (extended to 31/7/2013)
"Situational Analysis of Maternal Health Services with reference to Maternal Death in Rural Areas of Anand'	UGC, New Delhi	25,000	11-01-2012 to 07-11-2012
Spatial and Regression Analysis of Determinants of Decline Juvenile Sex Ratio in Gujarat"	UGC, New Delhi	1,25,000	01-11-2012 to 31-10-2013
'A study on Reproductive and Child health Status : A study undertaken in selected villages of Dang District.	UGC, New Delhi	1,16,000	01-02-2010 to 31-07-2011
'Mapping and Analysis of Good Governance Practices in Gujarat : A study under taken with reference Good Governance Contributes towards Pro – Poor Growth'	UGC, New Delhi	2,50,000	01-01-2013 to 31-12-2013
'Spatial and Regression Analysis of Decline Juvenile Sex Ratio in Urban Gujarat with Special reference to three districts: Mehsana, Gandhinagar and Surat.	UGC, New Delhi	8,34,600	01-04-2013 to 31-03-2015

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Name of Project	Funded by	Total Grant Received (in ₹)	Year
"An analytic study on stress among teenage student achievers"	Sardar Patel University Seed Money Grant	45,000	01/11/2012 to 31/10/2013
"An explanatory study on Parent Child Relationship and Family Environment and its Relation with Achievement Motivations"	Sardar Patel University Seed Money Grant	50,000	01/11/2012 to 31/10/2013
"To study on the Relationship between total Quality Management and Quality Performance in manufacturing Sector"	Sardar Patel University Seed Money Grant	40,000	01/11/2012 to 31/10/2013
"A study of the Parent's Contribution in the Holistic Development of Mentally Challenged Children "	Sardar Patel University Seed Money Grant	40,000	01/11/2012 to 31/10/2013
A Study on Gender Aspects of Human Development In AnandDistrict [A study on gender aspects with reference to sex-ratio, education, employment, health status, empowerment and freedom among women]	Sardar Patel University Seed Money Grant	1,00,000	01/11/2012 to 31/10/2013
"Situational Analysis of Maternal Health Services with reference to Maternal Death in Rural Areas of Anand'	Sardar Patel University Seed Money Grant	25,000	G/1-Seed Grant/2011-12 Dt. 16-01-2012
Spatial and Regression Analysis of Determinants of Decline Juvenile Sex Ratio in Gujarat"	Sardar Patel University Seed Money Grant	1,25,000	G/1-Seed Grant/2012-13 Dt. 06-11-2012

20. Research facility/centre with State, National and International Recognition: **Not Applicable**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Not Applicable**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international):

Year	Number of Papers Published	National	International
2010-11	**06**	**04**	**02**
2011-12	**06**	**02**	**04**
2012-13	**08**	**03**	**05**
2013-14	**08**	**03**	**05**
2014-15	**13**	**05**	**08**
Total	**41**	**17**	**24**

    b) Monographs: NA

    c) Chapters in Books: **10**

    d) Edited Books: **00**

    e) Books with ISBN with details of publishers: **03**

    f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.) : **NA**

    g) Citation Index – range/average: **NA**

    h) SNIP: **NA**

    i) SJR: **NA**

    j) Impact Factor – range/average- **2-5**

    k) h-index-**Dr S.D Mishra: 02**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated

Sr. No.	Name of Faculty member	Department	Type of Consultancy service provided	Beneficiary institution/ industry	Date/Duration when consultancy was provided	Revenue generated
1	**Dr SD Mishra**	**Social Work**	**Research**	**Government Institution**	**Jul 2012**	**10,00,000**
2.	**Dr SD Mishra**	**Social Work**	**Field work**	**NGO,Pratham**	**Jun 2011**	**1,20,00**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad:- **Not Applicable**

26. Faculty serving in a) National committees b) International committees   c) Editorial Boards d) any other (please specify)

Sr. No.	Name of the faculty	Name of Committee	National/ International
1	Dr SD Mishra	**Member Ethical Committee at DBT Project, New Delhi host by Anand Agricultural University, Anand**	**National**
2	Dr SD Mishra	**Member at National Consultation on National Curriculum of MSW at TISS, IFSW**	**International**
3.	Dr SD Mishra	**Advisory Member at Community Polytechnic New Delhi**	**National**

Editorial Boards/Membership

Sr. No.	Name of the faculty	Name of Journal	National/ International	Whether Chief Editor (Y/N)	Publisher
1	Dr SD Mishra	**Journal of Social Welfare and Management**	**International**	**No**	**Red Flower Publication Pvt Ltd, New Delhi.**
2	Dr SD Mishra	**International Journal of Scientific and Engineering Research.**	**International**	**No**	**Houston, Texas, USA**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

    Please do refer Volume-II and URL www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects **NA**

    • percentage of students who have done in-house projects including inter-departmental projects: **100%**
    • percentage of students doing projects in collaboration with other universities/industry/institute: **100%**

29. Awards/recognitions received at the national and international level by

    • Faculty: **Not Applicable**
    • Doctoral/post doctoral fellows: **Not Applicable**
    • Students: **Not Applicable**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

**Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf**

31. Code of ethics for research followed by the departments

The Department strictly adheres to code of ethics for research that was formulated in the university guidelines formed by Board of research studies. The University is very serious about the aspect of malpractices and plagiarism in research. The aspect of plagiarism has been controlled and checked by departmental research committees during the resubmission presentation given by the candidate. The foundations of research values are very strong in the University. However, as a preventive measure the department communicated to all the research students' tocheck before submission about the plagiarism.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	**Female**	**Male**	**Female**
MHRM	2010-11	211	30	34	100	100
	2011-12	277	33	37	100	100
	2012-13	154	28	43	100	100
	2013-14	202	12	54	100	100
	2014-15	60	37	38	100	100
MSW	2010-11	283	45	22	100	100
	2011-12	166	41	25	100	100
	2012-13	144	43	28	100	100
	2013-14	149	35	38	100	100
	2014-15	65	30	29	100	100
MPhil (Social Work)	2010-11	17	01	04	100	100
	2011-12	11	04	02	100	100
	2012-13	26	04	06	100	100
	2013-14	24	00	02	100	100
	2014-15	21	04	06	100	100

33. Diversity of students:

Name of the Programme	% of students from the same university	% of students from other universities within the State	% of students from universities outside the State	% of students from other countries
MSW	90	05	03	02
MHRM	90	05	03	02
MPhil	90	05	03	02
PhD	90	05	03	02

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Sr. No.	Name of Examination	Year (numbers only)				
		2010-11	2011-12	2012-13	2013-14	2014-15
1	UGC - NET	-	-	02	03	02
2	GPSC	-	-	04	01	01

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	NA
PG to MPhil	5 (through MPhil Entrance Test)
PG to PhD	1 (through PhD Entrance Test)
Employed • Campus Selection • Other than Campus Selection	50 40

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	61
from other universities within the State	13
from universities from other States	16
from universities outside the country	-

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period

    MPhil: 02 and PhD: 02

38. Present details of departmental infrastructural facilities with regard to

    a) Library **: 3,440 Books , 12 Journals and 1,937 Dissertation.**

Year	Number of Books/Journals	Amount (in ₹)
2010-11	12/00	6,323
2011-12	-	-
2012-13	82/00	1,10,000
2013-14	00/21	45,386
2014-15	00/08	4,200

    b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

    c) Total number of class rooms: **05**

    d) Class rooms with ICT facility: **04**

    e) Students' laboratories: **Computer Laboratory**

    f) Research laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates:

Sr. No.	Name of student	Name of supervisor	Date of registration	Full time/ Part time	Title of Thesis
1	Mrs Deepa Manoj Mishra	Dr SD Mishra	2012-13	Part-Time	Employee Attrition and Retention: Exploring the dimensions in the shipping Companies in kutch.
2	Mr Shyam Singh Inda	Dr SD Mishra	2012-13	Part-Time	A Study on Influence of Employee Compensation, Job Satisfaction and Working Environment on Employee Relation in Selected Private Manufacturing Industries of Gujarat Region.
3	Mr Bharat Bharwad	Dr SD Mishra	2013-14	Part-Time	Youth and Mental Health : A Study of the Factors reading of Anxiety and mental health among PG Students in Anand District.
4	Mr Mehul Rabari	Dr SD Mishra	2013-14	Part-Time	Youth and Human Rights – An intervention study among University Students.
5	Mrs NishaSangwan	Dr B Thomas	Sep, 2011	Part time	Family environment and Achievement Motivation among School going Adolescents in Anand City.
6	Mrs Smitha Philip	Dr B Thomas	Sep, 2011	Part time	Parental Support and Personality Development: A Comparative analysis of Only Children and Children with siblings in Bangalore city

Sr. No.	Name of student	Name of supervisor	Date of registration	Full time/ Part time	Title of Thesis
7	Mrs Arpita Christian	Dr B Thomas	Sep, 2011	Part time	A study on empowerment of adolescent girls of Anand district.

40. Number of post graduate students getting financial assistance from the university. (From the year 2010-11 to 2014-15):

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	09	06	14
2011-12	02	05	02
2012-13	13	05	07
2013-14	09	05	07
2014-15	04	10	11
Total	37	31	41

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	Mr Bhumitkuamr Johnbhai Pramar	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
2	2011-12	Ms Chaitali Gopal Gandhi		
3	2012-13	Mr Jigneshkumar Kantibhai Solanki		
4	2013-14	Mr Joseph Jovel Ms Rebecca Mark Redrigues		
5	2014-15	Mr Hashini Samurdhika Silva Yagamuni		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology.

Yes, it can be analyes through Board of Studies. The University has a well organised system of curriculum design and development. Department of Social Work has a Board of Studies at PG levels consisting of experts from the faculty of the Department and from other Universities, representatives from industry and student representatives. Concerned subjects in different departments are grouped as one faculty and a senior teacher is nominated as the Chairperson. The Boards of Studies scrutinize two issues i.e., need assessment and feedback from the stakeholders before designing and developing the curriculum. The need assessment is made based on public opinion, experts views, industry requirements and Alumni Interaction. The draft curriculum will be discussed at length in respective Boards of Studies and the final draft will be placed before the academic committee.

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

a) does the department utilize the feedback?

Yes, the data collected through feedback form is being utilised to fill the gap of student developments.

b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

Through feedback sheets as given in the NAAC manual.

c) alumni and employers on the programmes offered and how does the department utilize the feedback?

Periodically in meetings. The Feedback is used to revise courses.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered	Year of Passing
Mr Dinesh Dhir	**Group Head, Bhartiya Group, Gurgaaon, New Delhi**	**MSW**	**1999**
Mr Nimesh Patel	**Child social worker, Ontario, Canada**	**MSW**	**1999**
Mr Sajith Menon	**SAVE International, New Delhi**	**MSW**	**2000**
Mr Rajsekhar Naidu	**Consultant, UNICEF, Gandhinagar**	**MSW**	**2001**
Ms Poonam Singh	**Research Analyst, Banglore**	**MHRM**	**2007**
Mrs Deepa Mishra	**HR Head, Shiping Co. Ltd, Adipur**	**MSW**	**2001**
Mr Hiren Bhatt	**HR Manager, Reliance Industries**	**MHRM**	**2007**
Dr Nisha Sangwan	**Lecturer, Department of Social Work, Sardar Patel University**	**MSW**	**2008**
Mr Mehul Rabari	**Lecturer, Department of Social Work, Sardar Patel University**	**MSW**	**2010**
Mr Jitendra Lalvani	**Lecturer, Department of Social Work, Sardar Patel University**	**MHRM**	**2013**

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts.

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-11.pdf

45. List the teaching methods adopted by the faculty for different programmes.

- **Explanation in classroom with real life examples and case studies.**
- **Showing course related videos in the classroom.**
- **Project based learning.**
- **Assignments.**
- **Simulators for solving numerical examples.**
- **Supplementary Video lectures/Animations.**
- **Field visits, educational tours and exposure visits complimenting theory lectures.**
- **Student Seminars.**
- **Expert Lectures by Industry Experts from India.**

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Each and every programme is monitored throughout the period to ensure conformity with what has been set as course objectives and leaning outcomes. The methods adopted for the purpose includes continuous assessment, observations, semester end tests and results, participations in competitions, contributions of new thoughts and ideas, and innovativeness and leadership.

47. Highlight the participation of students and faculty in extension activities.

The students as part of their project work visit the tribal areas, interact with tribal people and render the needy services to them. On the other hand, the faculty who accompanies the students extends counselling to tribal people for their betterment. Department of Social Work, Sardar Patel University organizes National Service Scheme camp in different villages of Anand District. The Department is involved in several extension activities in regards to women, old age, child, youth etc all those who falls in weaker and vulnerable sections, with the help of students under the guidance of the faculties in the different under-developed villages of anand district. In every semester department is working on under the banner of field work based training programme.

48. Give details of "beyond syllabus scholarly activities" of the department.

Steps for making learning skills student-centric are interactive learning, group learning, tutorials, educational tour to academic institutions and historical places. Participatory learning activities such as participation in intra-class quiz competition and intra-departmental seminars using audio visual aids, project work, assignments, HR Conclaves are also encouraged. The Department provides the learning facilities like energy efficient classrooms, smart classrooms, well-equipped Computer laboratories, well-stocked library to make learning effective. The examination committee conducts unit tests. Students regularly attend classes where they interact with the teachers. It helps interactive learning. Students are encouraged to participate in intra-classroom quiz to monitor the academic progress which also facilitates interactive learning. Students are encouraged to use the library independently that enhances self-learning. They are encouraged to write assignments.. The students of Social Work and Human Resource

Management undertake project work in their course. All Semester III students are required to prepare an individual project for the fieldwork where there is scope for independent learning. Apart from it, the co-curricular activities such as field work conferences seminars/workshops/conferences/debates, extracurricular activities such as cultural/sports activities and competitions, extension activities such as NSS activities are undertaken by the department to develop participatory learning. Department of Social Work believes in learning centric approach. The faculties of Department of Social Work are much dedicated. The activities which the faculties engage students are:

- **Lectures**
- **Seminars/Workshops**
- **Field work Symposiums**
- **Trainings**
- **HR Conclaves**
- **Field and Theoretical Orientations**
- **Fieldwork Visits**
- **Study Tours/Exposure Visits**
- **Guest Lectures**
- **Presentations**

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details: **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied.

   Department of Social Work, Sardar Patel University is generating new knowledge in

   - **Recent trends of Human Resource Management.**
   - **Field work manuals.**
   - **Evidence based field traing program.**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **The Mission of the Department of Social Work, Sardar Patel University is to develop lifelong learners equipped with competencies nurtured through integration of academic learning and a socially conscious outlook - is a perpetual source of strength for all stakeholders. This is adequately reflected in the entire gamut of academic and non-academic activities of the Department which are designed to instil not just employability skills, but also a sense of compassion & sensitivity among students.**
• **Department has a dedicated and competent faculty who are always ready to walk that extra mile to mentor the students. 3 out of 8 teaching staff has got Ph.D to their credit. 2 staff members are pursuing their PhD The teaching learning process moves beyond the confines of the class rooms and teachers willingly make themselves**

- available to the students even after the mandatory teaching sessions.
- **Effective and supportive guidance from the Sardar Patel University Administrative Officers is a pillar of strength for the Department which generates impetus needed for robust and unhindered functioning of the institution.**
- **A highly motivated and responsible body of students is a formidable pillar of strength in our Department of Social Work. The entire spectrum of co-curricular and departmental activities is brilliantly managed by students who creatively expand the horizons of these activities year after year.**
- **Department is having fieldwork for the period of 45 days in each semester for their students of MSW and MHRM which beefs up their employability skills. Department of Social Work has shown a steep rise in their campus placements in recent years which shows committed efforts from staff members for student development.**
- **A good mix of experienced and young faculties.**
- **Rich legacy and practice of Social Work Research.**
- **Use of ICT in improving Department processes and operations.**
- **Good leadership and support by the Management in providing and facilitating expansion and progression.**
- **Excellent and well-maintained infrastructure.**

Weaknesses

- **The Department lacks the aura and ambience of a modern, plush campus instrumental in attracting the contemporary youth towards an institution.**
- **A sizeable numbers of teachers in the Department of Social Work, Sardar Patel University are working on temporary basis. Lesser number of salary is a constrint for the departmental employees.**
- **Inability to recruit permanent faculty and other staff due to matters of administration which causes some anxiety to temporary and ad-hoc faculty, and affects their moral.**

Opportunities

- **A good rapport and credibility of the institution with external agencies which can help in forging useful collaborations and mutual growth.**
- **Further deployment of technology to make operations smoother and better.**
- **Locational advantage for strengthening academics.**
- **Streamlining collaborations and consultancy.**
- **Exploring possibility of collaborative research with research institutions.**

Challenges

- **More autonomy in admission procedure to attract national and international students.**
- **In current times, the youth perception towards success and satisfaction is measured in terms of materialistic success and one-upmanship. Youngsters are increasingly becoming oblivious to the**

> relevance and concept of a fulfilled and meaningful life. As an educational institution, the Department needs to be conscious and vigilant about its obligation to reinforce the significance of an ethical mindset and a compassionate outlook without which the entire teaching learning process becomes shallow.
> - **Students with diverse background with diverse needs.**
> - **Enhancing number of students opting for entrepreneurship.**
> - **To motivate students to develop a deeper sense of critical and analytical thinking and to cultivate in them an endeavouring passion to be conscious morally and socially.**
> - **To encourage research aptitude amongst students and instil an innovation prone thought process.**
> - **To setup a forum for the alumni whereby they can maintain regular contact with the Department in the form of feedback as well as valuable contributions.**
> - **In this technologically revolutionized world, overload of and easy accessibility to information comes with the risk of reducing the teaching learning process to a mere dissemination of facts. The challenge lies before the teaching fraternity to revisit the conventional pedagogy so as to establish the real connect between information, knowledge and wisdom as well as its applicability and incorporate the same in teaching methodologies.**

52. Future plans of the department.

- **To plan and execute a system where in all data related to staff members, students, alumni, campus placement, teaching and fieldwork related data can be maintained on a cloud with the use of software package.**
- **To arrange more and number of job campus placements for the students.**
- **To get more number of applications for admissions year after year by establishing a trust among students, parents and stakeholders.**
- **To get more number of collaborations in form of Consultancies and financial aid.**
- **To develop skills of faculty members by organizing faculty development programs.**
- **To organize more number of UGC Sponsored national and international seminars, symposiums and trainings.**
- **We are Planning to have separate Building.**
- **International Student and Faculty Exchange Programme.**
- **MOU with International Agencies.**
- **Career Mapping and Planning should be done in different manner so as to reduce attrition rate.**
- **Establishment of Research and Consultancy Cell.**
- **Working for Grant in aid efforts.**

25. DEPARTMENT OF SOCIOLOGY

1. Name of the Department: **Sociology**

2. Year of the Establishment: **1981**

3. Is the Department part of a School/Faculty of the university?

   Yes. Faculty of Arts.

4. Names of programmes offered: **MA, MPhil & PhD.**

5. Interdisciplinary programmes and departments involved: **Our 5 papers are offered are of interdisciplinary in nature.**

6. Courses in collaboration with other universities, industries, foreign institutions, etc.: **Nil**

7. Details of programmes discontinued, if any, with reasons. **Nil**

8. Examination System: **Continuous Evaluation System (30% internal and 70% external). Internal marks are pooled from various means normally quiz, seminars, assignments and presentation etc. The semester end examination covers the entire syllabus and consists of multiple choice questions, short answers and long answers based questions. The semester end examinations are taken in both centralised and decentralised mode. The practical examination and comprehensive viva are decentralised. Some departments are given full autonomy for exam related functions.**

9. Participation of the department in the courses offered by other departments: **Nil**

10. Number of teaching posts sanctioned, filled and actual (Professors/Associate Professors/Asst. Professors/others)

	Sanctioned	Filled	Actual (including CAS & MPS)
Professor	**01**	**-**	**03**
Associate Professor	**03**	**02**	**02**
Assistant Professor	**03**	**03**	**-**
Others	**-**	**-**	**-**

11. Faculty profile with name, qualification, designation, area of specialization, experience and research under guidance:

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr HN Patel	**MA, MPhil, PhD, BEd, LLB**	**Professor and Head**	**Problem of Aged and Weaker Saction**	**26 years**	**05/09**

Name of the faculty	Qualification	Designation	Specialization	No. of Years of Experience	No. of PhD/MPhil students guided for the last 4 years
Dr JM Trivedi	MA, MPhil, PhD	Professor	Migration, Urbanization, Social Chage	37 years	05/06
Dr R H Makwana	MA, MPhil, PhD	Professor	Political Sociology	17 Years	29/22
Dr IM Macwan	MA, MPhil, PhD	Associate Professor	Gender Study and Child Labour	16 Years	15/12

12. List of senior Visiting Fellows, adjunct faculty, emeritus professors:

Name of Fellows/ Faculty, Emeritus Professors	Designation	Department/University/ Institution	Date of Visit
Dr Parvez Abbcesi	Professor & Head	Department of Sociology VNSG University Surat	31/12/2012
Dr Sohanlal Sharma	Professor	Department of Sociology University of Rajasthan, Jodhpur	23/01/2013
Dr JC Patel	Professor	Department of Sociology Gujarat University	12/09/2013
Rajolkumar Saxena	Professor & Head	Department of Sociology Dr Bhagwat Sahay Govt. College	07/05/2014
Dr KN Vyas	Professor	Department of Sociology Jay Narayan Vyas University Jodhpur	08/04/2015
Dr Pooramal Yadav	Professor	Department of Sociology Mohanlal Sukhadia University Udaipur, Rajasthan	11/09/2015

13. Percentage of classes taken by temporary faculty – programme-wise information:

List of Programme	Faculty (Permanent/Temporary)	Percentage
MA	Permanent	100
	Temporary	0
MPhil	Permanent	100
	Temporary	0
PhD	Permanent	100
	Temporary	0

14. Programme-wise Student Teacher Ratio:

Programme	Years	Ratio
MA	2010-11	120:5
	2011-12	120:5
	2012-13	120:5
	2013-14	120:5
	2014-15	120:4
MPhil	2010-11	10:5
	2011-12	10:5
	2012-13	10:5
	2013-14	10:5
	2014-15	10:4
PhD	2010-11	12:4
	2011-12	12:4
	2012-13	12:4
	2013-14	12:4
	2014-15	12:4

15. Number of academic support staff (technical) and administrative staff: sanctioned, filled and actual.

Common for English, Gujarati, History, Poltical Science, Sanskrit, and Sociology.

	Sanctioned	Filled	Actual
Technical	-	-	-
Administration	-	-	**08+04 (contractual)**

16. Research thrust areas as recognized by major funding agencies

Weaker Sections, Political Institution Organization, industrial Sociology, Gender Study.

17. Number of faculty with ongoing projects from a) national b) international funding agencies and c) total grants received. Give the names of the funding agencies, project title and grants received project-wise:

Name of Faculties	Project Title	Name of Funding Agencies	Total Grant Received	Year Project Start
Prof (Dr) HN Patel	Elderly in the Rural Areas of Gujarat: Role, Status, Life Condition and Problems	UGC, New Delhi	₹6,01,300 F-5-357/2007 (HRP) 15/03/2008	01/04/2008 to 31/03/2011
Prof (Dr) RH Makwana	Emerging Tribal Women in Panchayat of Gujarat State : A Sociological Study	UGC, New Delhi	₹5,20,000 F-5-29(3) 2008 (HRP) 26/12/2008	01/04/2008 to 31/03/2011
Prof (Dr) RH Makwana	An impact of tribal-sub plan scheme on the tribal community: A sociological study	UGC, New Delhi	₹8,02,100 F-5-441/2013 (HRP) 19/03/2013	01/04/2013 to 30/11/2015

18. Inter-institutional collaborative projects and associated grants received a) National collaboration b) International collaboration.

    Nil

19. Departmental projects funded by DST-FIST; UGC-SAP/CAS, DPE; DBT, ICSSR, AICTE, etc.; total grants received. **Nil**

20. Research facility/centre with State, National and International Recognition: **Nil**

21. Special research laboratories sponsored by/created by industry or corporate bodies: **Nil**

22. Publications:

    a) Number of papers published in peer reviewed journals (national/ international)

Year	Number of papers published	National	International
2010-11	09	-	09
2011-12	02	02	-
2012-13	05	05	-
2013-14	07	03	04
2014-15	07	03	04
Total	30	13	17

b) Monographs: **Nil**

c) Chapters in Books: **Nil**

d) Edited Books: **19**

e) Books with ISBN with details of publishers: **20**

f) Number listed in International Database (For *e.g.* Web of Science, Scopus, Humanities International Complete, Dare Database - International Social Sciences Directory, EBSCO host, etc.): **Nil**

g) Citation Index – range/average: **Nil**

h) SNIP: **Nil**

i) SJR: **Nil**

j) Impact Factor – range/average: **Nil**

k) h-index: **Nil**

23. Details of patents and income generated: **Nil**

24. Areas of consultancy and income generated: **Nil**

25. Faculty selected nationally/internationally to visit other laboratories/ institutions/industries in India and abroad: **Nil**

26. Faculty serving in a) National committees b) International committees c) Editorial Boards d) any other (please specify)

Name of Faculty	Name of Journal	National/ International/ Editorial Board	Whether Chief Editor (Y/N)
Dr HN Patel	**Prajna Research Journal, Sardar Patel University**	**National**	**Editorial Board**
	International Journal of Interdisciplinary Approaches	**National**	**Subject Expert**
	Samaj Veeganiki	**International**	**Advisory Board**
	Samajgosti	**National**	**Editorial Board**
Dr JM Trivedi	**KCG e-Journal of social sense**	**International**	**Chief Editor**
Dr RH Makwana	**A Journal of Asia for Democracy and Development: A Quarteriy Journal of Social Sciences**	**International**	**Editorial Board**
Dr IM Macwan	**Ideal research an international Multi discpilirery e-Journal**	**National**	**Editor body**

27. Faculty recharging strategies (UGC, ASC, Refresher/orientation programs, workshops, training programs and similar programs).

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-9.pdf

28. Student projects

   - percentage of students who have done in-house projects including inter-departmental projects: **Nil**
   - percentage of students doing projects in collaboration with other universities/industry/institute: **Nil**

29. Awards/recognitions received at the national and international level by

   - **Faculty:**

Name of Faculty	Awards/Recognitions Given by	International /National	Year
Dr RH Makwana	**Dr Ambedkar Award and One Lakh Rupee by Government of Gujarat, Gandhinagar**	**State**	**24/12/2012**
	Sardar Patel Award International Sardar Vallabhbhai Patel Foundation, New Delhi	**National**	**27/02/2012**
	Global Teachers Role Model Award by MVLA Trust Mumbai	**National**	**05/11/2015**

   - Doctoral / post doctoral fellows: **Nil**
   - Students: **Nil**

30. Seminars/Conferences/Workshops organized and the source of funding (national/ international) with details of outstanding participants, if any.

Please do refer Volume-II and URL:
www.spuvvn.edu/iqac/rar16/annexures/ann-13.pdf

31. Code of ethics for research followed by the departments

DRC formulates and moniters ethics for research.

32. Student profile programme-wise:

Name of the Programme	Year	Applications received	Selected		Pass percentage	
			Male	**Female**	**Male**	**Female**
MA	**2010-11**	**93**	**76**	**80**	**100**	**100**
	2011-12	**174**	**101**	**83**	**100**	**100**
	2012-13	**142**	**115**	**61**	**100**	**100**
	2013-14	**125**	**82**	**91**	**100**	**100**
	2014-15	**-**	**-**	**-**	**-**	**-**

Name of the	Year	Applications	Selected		Pass percentage	
MPhil	**2010-11**	**57**		**07**	**100**	**100**
	2011-12	**31**	**79**	**16**	**100**	**100**
	2012-13	**29**	**-**	**-**	**100**	**100**
	2013-14	**47**	**-**	**02**	**100**	**100**
	2014-15	**29**	**-**	**-**	**-**	**-**

33. Diversity of students: **Nil**

34. How many students have cleared Civil Services and Defence Services examinations, NET, SET, GATE and other competitive examinations? Give details category-wise:

Year	Number of Students	NET	GSLET
2010-11	**02**	**02**	**-**
2011-12	**-**	**-**	**-**
2012-13	**-**	**-**	**-**
2013-14	**03**	**01**	**02**
2014-15	**02**	**02**	**-**

35. Student progression:

Student progression	Percentage against enrolled
UG to PG	**NA**
PG to MPhil	**6 (through MPhil Entrance Test)**
PG to PhD	**4 (through PhD Entrance Test)**

36. Diversity of staff:

Percentage of faculty who are graduates	
of the same university	**75**
from other universities within the State	**25**
from universities from other States	**-**
from universities outside the country	**-**

37. Number of faculty who were awarded MPhil, PhD, DSc and DLitt during the assessment period: **Nil**

38. Present details of departmental infrastructural facilities with regard to

a) Library

Year	Number of Books/Journals	Amount (in ₹)
2010-11	**103/0**	**75,147**
2011-12	**-**	**-**
2012-13	**101/0**	**1,10,000**
2013-14	**-**	**-**
2014-15	**22/0**	**10,460**

b) Internet facilities for staff and students: **Each of the faculty has been provided with an Internet connection and can have access to journals provided by the UGC and INFLIBNET.**

c) Total number of class rooms: **02**

d) Class rooms with ICT facility: **01**

e) Students' laboratories: **Nil**

39. List of doctoral, post-doctoral students and Research Associates:

2010-11

1. **Manoj Pandiya, Superviosr: Dr JM Trivedi**
2. **Rakesh Bhatia, Superviosr: Dr IM Macwan**
3. **Mahesh L Patel, Superviosr:**
4. **Manoj K Patdia, Superviosr: D RH Makwana**
5. **Bachu L Pawar, Superviosr: Dr RH Makwana**
6. **Tannu G Gayakwad, Superviosr: Dr RH Makwana**
7. **KB Chaudhary, Superviosr: Dr RH Makwana**
8. **Paresh R Patel, Superviosr: Dr RH Makwana**
9. **Ghanshayam M Butani, Superviosr: Dr RH Makwana**

2011-12

10. **Parsotambhai D Vaghela, Superviosr: Dr RH Makwana**
11. **Ram S Sondarva, Superviosr: Dr RH Makwana**
12. **Navghan V Ahir, Superviosr: Dr RH Makwana**
13. **Manish Jansari, Superviosr: Dr RH Makwana**
14. **Vasant P Sadhu, Superviosr: Dr RH Makwana**
15. **Magan M Makwana, Superviosr: Dr RH Makwana**
16. **Satish Gamit, Superviosr: Dr RH Makwana**

2012-13

17. **Anil Nakum, Superviosr: Dr JM Trivedi**
18. **Nikunj Patel, Superviosr: Dr JM Trivedi**
19. **Bard H L, Superviosr: Dr JM Trivedi**
20. **Hitesh vala, Superviosr: Dr IM Macwan**
21. **Dharmendra Soneri, Superviosr: Dr IM Macwan**
22. **Nilesh Shah, Superviosr: Dr IM Macwan**
23. **Rekha Sharma, Superviosr: Dr NK Chauhan**
24. **Babu T Kathiya, Superviosr: Dr RH Makwana**

2013-14

25. **Shailesh B Gosai, Superviosr: Dr HN Patel**
26. **Sonal N rana, Superviosr: Dr IM Macwan**
27. **Krutika Chaudhari, Superviosr: Dr IM Macwan**
28. **Parvin Mansuri, Superviosr: Dr IM Macwan**
29. **Nikhil A Desai, Superviosr: Dr RH Makwana**
30. **Rakesh D Bhedi, Superviosr: Dr RH Makwana**
31. **Virendrsinh R Jadav, Superviosr: Dr RH Makwana**

2014-15

32. **Suvera Snajivani, Superviosr: Dr IM Macwan**
33. **Sakkarin Bamphensamai, Superviosr: Dr IM Macwan**
34. **Rinkesh A Patel , Superviosr: Dr RH Makwana**
35. **Rina R Gamit, Superviosr: Dr RH Makwana**

36. Vishnu L.Hadal, Superviosr: Dr RH Makwana
37. Mala D Gamit, Superviosr: Dr RH Makwana
38. Vinod M Chaudhary, Superviosr Dr RH Makwana
39. Raju N Pateliya, Superviosr: Dr RH Makwana

Please do refer Volume-II and URL:
http://www.spuvvn.edu/iqac/rar16/annexures/ann-22.pdf

40. Number of post graduate students getting financial assistance from the university.

Year	SC scholarship	ST scholarship	OBC scholarship
2010-11	10	41	20
2011-12	09	33	11
2012-13	15	23	23
2013-14	09	22	17
2014-15	15	34	32
Total	58	153	103

Note : Free Studentships are also provided to meritorious students from self finance fund.

Sr. No.	Year	Name of the Students	Amount of Scholarship	Name of the Scholarship
1	2010-11	-		
2	2011-12	Mr Daksheshkumar Bhanubhai Patel		
3	2012-13	Ms Siddhi Ashwinkumar Trivedi	₹10,000 (per annum)	Kashiben and Gordhanbhai Patel Scholarship
4	2013-14	Mr Chandrakant Mangalbhai Vankar		
5	2014-15	Mr Maheshkumar Vijaysinh Chauhan		

41. Was any need assessment exercise undertaken before the development of new programme(s)? If so, highlight the methodology. **Nil**

42. Does the department obtain feedback from faculty on curriculum as well as teaching-learning-evaluation? If yes, how

   a) does the department utilize the feedback?

   Orally at the end of Semester.

   b) students on staff, curriculum and teaching-learning-evaluation and how does the department utilize the feedback?

   Yes, feedback from Student and Alumni obtained at the end of each semester.

   c) alumni and employers on the programmes offered and how does the department utilize the feedback?

   For changing the curriculum or reforming the curriculum.

43. List the distinguished alumni of the department (maximum 10)

Name of Alumni	Present Profession	Programme Offered
Dr Parvin Mansuri	Lecturer	PhD
Dr Sanjivni Suvera	Lecturer	PhD
Dr Krutika Chaudhri	Lecturer	PhD
Dr Shailesh Goswami	Lecturer	PhD
Mr Nikunj Patel	Lecturer	PhD
Dr Vimla Chauhan	Lecturer	PhD
Dr Rashila Usdaliya	Lecturer	PhD
Dr Nilesh Shah	Dean, LLB	PhD
Dr Dipika Rohit	Lecturer	PhD
Dr Rina Gamit	Lecturer	PhD

44. Give details of student enrichment programmes (special lectures/workshops/ seminar) involving external experts. **Nil**

45. List the teaching methods adopted by the faculty for different programmes.

Advanced learner are identified on the basis of their results in the exam and they are guided for relevant book and reading materials PPT is used occasionally.

46. How does the department ensure that programme objectives are constantly met and learning outcomes are monitored?

Department Committee are entrusted with task of monitoring to achieve objectives of Department.

47. Highlight the participation of students and faculty in extension activities. **Nil**

48. Give details of "beyond syllabus scholarly activities" of the department.

Project Work, Library Work, Seminars, class assignment to student in each semester.

49. State whether the programme/department is accredited/graded by other agencies? If yes, give details. **Nil**

50. Briefly highlight the contributions of the department in generating new knowledge, basic or applied. **Nil**

51. Detail five major Strengths, Weaknesses, Opportunities and Challenges (SWOC) of the department.

Strengths
• **Sufficient Physical Facilities.** • **Sufficient Student Numerical Strength.** • **Committed and Student Oriented Faculties.** • **Continuous Research Work and Research Publication by Faculties.** • **Updated Curriculum.**
Weaknesses
• **Limited ICT Facilities.** • **Teaching and Research in Regional language.** • **On Field Faculty Positions.** • **Lack of Separate Support Staff.**
Opportunities
• **Scope for Collaborative Research.** • **Scope for Getting Status of Special Department.** • **Scope for providing counseling Services.** • **Scope for Getting Permanent Research Centre on Indian dice by UGC.** • **Scope for conducting Multi Disciplinary Research Project.**
Challenges
• **Maintaining of Student Strength.** • **Exposing Faculty and student to global educational trend.** • **Placement of Students.**

52. Future plans of the department.

- **Plan to Start Post Doctoral Research.**
- **Planning to introduce new papers on critical social issue.**
- **Planning to convert centre for Indian dice in permanent research centre for project mode.**
- **To publish Curriculum base book data.**
- **To Publish Department Research Journals.**

DECLARATION BY THE HEAD OF THE INSTITUTION

Prof. Harish Padh, Ph D
Vice-Chancellor

Sardar Patel University
Vallabh Vidyanagar 388 120 – Gujarat, India

Phone : (02692) (O) 230009 / 226800 / 236473 (R) 237611
Telefax : (02692) 230009
Email : vcspu@yahoo.co.in

Declaration by the Head of the Institution

I certify that that the data included in this Re-accreditation Report (RAR) are true to the best of my knowledge.

This RAR is prepared by the institution after internal discussions and no part thereof has been outsourced.

I am aware that the Peer Team will validate the information provided in this RAR during the Peer Team visit.

Place : Vallabh Vidyanagar
Date :

0 2 MAY 2016

Signature of the Head of the institution
with seal:
Vice-Chancellor
Sardar Patel University
Vallabh Vidyanagar-388 120.
Dist. ANAND. Gujarat.

COMPLIANCE CERTIFICATE OF HEAD OF THE INSTITUTE

Prof. Harish Padh, Ph D
Vice-Chancellor

Sardar Patel University

Vallabh Vidyanagar 388 120 - Gujarat, India

Phone : (02692) (O) 230009 / 226800 / 236473 (R) 237611
Telefax : (02692) 230009
Email : vcspu@yahoo.co.in

Statement of Compliance
(Central and State Universities)

This is to certify that **Sardar Patel University** has complied with all the provisions of the following Regulations governing it:

* UGC Regulations on Minimum Qualifications for Appointment of Teachers and other Academic Staff in Universities and Colleges and Measures for the Maintenance of Standards in Higher Education 2010 and further amendments, if any, notified by the UGC.

* UGC Regulation on Minimum Standards and Procedure for the Award of M.Phil./Ph.D. Degree, Regulations 2009 and further amendments, if any, notified by the UGC.

* UGC (Affiliation of Colleges by Universities) Regulations, 2012 and further amendments, if any, notified by the UGC.

Any false or misleading information provided by the institution, will be viewed seriously by NAAC and the accreditation given is liable to be withdrawn.

Name and signature with seal
of the Vice Chancellor

**Vice-Chancellor
Sardar Patel University
Vallabh Vidyanagar-388 120.
Dist. ANAND. Gujarat.**

Date **0 2 MAY 2016**