

FROM THE DESK OF THE CHIEF EDITOR

Sardar Patel University was established as a rural university in 1955 by its founders, Shri Bhaikaka and Shri Bhikhabhai, who were inspired by Sardar Patel to do so 'to accelerate the process of regeneration of villages by the application of modern arts, sciences and technology to rural requirements' with the passage of the Bombay Act No.XL of 1955 by the Government of Bombay Province enacted on 31 October 1955. Rural regeneration thus became the defining philosophy and the vision of the university, and the two words in the phrase as sacrosanct.

This was the time we took the reasonable meaning of the term 'rural' as a sparsely-populated countryside with large tracts of undeveloped land, where agriculture was the primary industry, and where there was at least some visibility of native wildlife. Such areas were associated with a way of life involving relaxed pace of living, a sense of community and a connection both to nature and tradition. Independent India felt the need to go in for industrialization and this led to migration from rural areas to urban pockets in search of education, employment and health services.

Sardar Patel felt the need to arrest migration of the local population in and around Vallabh Vidyanagar and advised the founders of this township and the university to do so by providing them with a comprehensive package of educational, employment and health facilities in the region so that people could preserve their way of life, their sense of community, and their connection with nature and tradition. This automatically took the shape of regeneration.

The magic talisman Sardar Patel offered was character-enhancing education 'intent on producing citizens of Independent India' rather than an employment-chasing people. He envisioned an education that would train and nurture future citizens of independent India by empowering them through education of the kind that would mould their character and conduct, make them self-reliant, and capable of being self-employed rather than helpless people chasing after jobs.

Sardar Patel University, established as a tribute to that vision, has always sought to provide such education as Sardar Patel had envisioned. The focus was initially on catering to the rural population but the reverse migration from a couple of nations on the African continent toward the end of 1960s and early 1970s induced an element of a section of urban population. Toward the end of 1970s and early 1980s, came learners from the other states in the country and by mid-1990s a trickle of foreign students. However, this did not dilute the focus entirely but necessitated a certain mix of the rural-urban and the international. The tools registered a change requiring subsequent changes in the composition and delivery of courses.

This report is the outcome of a felt need to keep our valued stakeholders: students, their parents/guardians, sister universities in the state and the country, other funding agencies including the State Government and the UGC, updated on what the year 2011-12 unfolded for us in the university and what we have been able to achieve.

The collection, collation and composition of the final report was made possible due to the cooperation of one and all, Heads of the Departments, all officers of the university and the personnel working at various levels in the system. Painstaking, valuable contribution from colleagues in the academia, especially Dr Dinesh Karia and Mr Bharat B Patel; University Officials like Mr Tushar Majmudar, I/C Registrar and Mr Nilesh Patel, Deputy Registrar (Academics); the Director of the Computer Centre in the University, Ms Jyotiben Tiwari; Mr Rajesh Macwan and our able aide, Mr Varun Patel. We record our gratitude and sincere thanks to each one of them and to the other members on the editorial board for their intellectual inputs.

We are extremely happy sharing this collective effort with you, dear stakeholders, with an assurance that your feedback will receive our utmost attention in future endeavours!

Vallabh Vidyanagar
23 February 2013

J H Khan

EDITORIAL BOARD

- Prof J H Khan (Chief Editor)
- Prof S J Bhatt
- Dr D K Raval
- Dr D J Karia
- Ms Jyotiben Tiwari
- Mr Bharat B Patel
- Mr Nilesh M Patel

TECHNICAL ASSISTANCE

- Mr Varun D Patel
- Mr Rajesh Macwan



Professor Harish Padh

Vice Chancellor

Sardar Patel University, Vallabh Vidyanagar, Gujarat (India)

Foreword

The streamlining that I mentioned in my foreword to the Annual Report of 2009-10 has been completed and we have been able to catch up on the audit of the university annual accounts up to the year 2010-11. The Choice Based Credit System with Semesterisation has completed one full cycle and we have been able to take a close look at the way it has functioned and make appropriate changes, modifications, and take corrective measures as and when required. It is with great pleasure that I present a bird's eye view of the achievements of the university in the academic year 2011-12.

UGC Grants

CAS, SAP, General Assistance etc

It is heartening to say that the UGC, New Delhi funded us to the extent of ₹683.50 in appreciation of our effort at achieving academic excellence, with (a) ₹207.00 lac under General Development Assistance XII Plan (b) ₹200.00 lac as Additional Assistance to University during XI Plan period; (c) ₹123.00 lac toward the Centre of Advance Study (CAS-I) Programme to the Department of Chemistry from 1 April 2011; (d) ₹97.50 lac as SAP-DSA-I grant to the Department of Physics; (e) ₹70.00 lac as one-time Grant under UGC-BSR Scheme to BRD School of Biosciences; (f) ₹50.50 lac toward the Centre of Advance Study (CAS-I) Programme to the Department of Economics for the period of 5 years, beginning 1 April 2011, with two Project Fellows; and (g) ₹33.00 lac for five years for the Special Assistance Programme SAP-DRS (Phase-II) to Department of Business Management (MBA).

Major/Minor Research Projects

It is further heartening to note that the UGC, New Delhi sanctioned 28 Major Research Projects worth ₹188.72 lac to University Teachers: Dr Datta Madamwar, Dr V R Thakkar, Dr K C Patel, Dr J S S Mohan, Dr U B Trivedi, Dr M Natraj, and Dr S S Bhatt, BRD School of Biosciences; Dr L M Manocha and Dr (Ms) R H Patel, Department of Materials Science; Dr H C Trivedi, Dr H S Patel, Dr N V Sastri, Dr M N Patel, Dr N J Parmar, Dr M P Patel Dr S S Soni and Dr K R Surati, Department of Chemistry; Dr P C Vinodkumar, Dr S H Chaki, and Dr G K Solanki, Department of Physics; Dr B H Patel, Department of Electronics; Department of Chemistry; Dr V H Patel, Department of Home Science; Dr A C Mehta and Dr D R Dave, Department of MBA; Dr R M Rathod and Dr Y M Dalwadi, Department of Business Studies; Dr Pinakini Pandya, Department of Gujarati; Dr H V Dave, Department of History; Dr P P Patel, Department of Education; Dr Bigi Thomas, Department of Social Work; Dr Sonal Bhatt, Department of Economics and Dr P S Suvera, Department of Psychology.

Grants other Agencies of the GoI /GoG

We received funding from various agencies of the Government of India to extent of ₹733.91 lac including ₹6 crore under the "Purse Programme" for Centre for Biomedical Engineering and Technology by the Ministry of Science and Technology, Government of India; Department of Biotechnology, Government of India; Department of Atomic Energy (DAE), Mumbai; DAEBRNS, Mumbai; Ministry of Environmental Sciences, Government of India; BASF, Mumbai; and CSIR, New Delhi. Similarly, we received funding of ₹39.38 lac for two of our teachers from various institutions, agencies and organizations GSBTM, Gandhinagar. We would like to compliment H M Patel Institute of English Training and Research, Vallabh Vidyanagar; S M Patel College of Home Science, Vallabh Vidyanagar; and NS Patel Arts College, Anand, affiliated to this University for wiining recgniton from the Government of Gujarat as a "College with Potential for Excellence" with a grant of ₹1 crore.

Academic Events Funded from UGC Unassigned Grants

We funded National or State Level Seminars, Symposia, Workshops etc in the university departments of (a) Materials Science, (b) Chemistry, (c) Physics, (d) Pharmaceutical Sciences, (e) Home Science, (f) Gujarati, (g) Education, (h) History, (i) Political Science, and (j) Social Work during the academic year from the UGC Unassigned Grants.

Organization of Academic Events

The Departments of Pharmaceutical Sciences, Physics, Chemistry, English, Gujarati, and History, Sardar Patel University, Vallabh Vidyanagar organized a UGC-sponsored National/State Level Seminars. The Department of Computer Science and Technology organized state level IT Quiz Contest and Programming Competition for UG and PG Students. M B Patel College of Education (the only Constituent College of the University) organized several training programmes during the year.

Special Lectures

Dr P G Marvania, Dr G D Bhatt, Dr Rajesh Modi, Dr Ghanshyam Upadhyaya, Dr M K Patel, Dr Rakesh Joshi, Dr H J Mehta, and Dr Kartik Bhatt delivered special lectures in the Department of Economics under various UGC programmes and Ishwarbhai Ambalal Patel Visiting Professors Programme. Dr G A Baxi, Dr P H Parsania, and Dr Avinash Kumbhar delivered special lectures in the Department of Chemistry. Dr Dipak Ray, and Mr M L Saikumar delivered special lectures in the Department of Computer Science and Technology. Dr N L Ved, Dr D S Mishra, Dr M H Patel, Dr M K Yagnik, Dr Jaydev Jani, Dr Mukund Wadekar, Dr Nathubhai Patel, Dr Vijay Pandya, and Dr Harshad Dave delivered lectures of general interest in the Department of Sanskrit.

Foreign Visits

Professor Harish Padh, Vice Chancellor, Sardar Patel University visited Yale University, USA as a part of the UGC delegation. Dr J S S Mohan and Dr R B Subramaniam of the Department of Biosciences visited Hong Kong, China to make a work presentation at Top Ciencia Forum for Sustainable Innovation in Agriculture of the BASF Crop Protection, Asia Pacific on 20 December 2011. Dr A V R L N Acharya, also from the Department of Biosciences visited New Zealand in March 2012 to present a paper on “Role of Diet and Fruits in the management of Fluoride-Induced Stress at the International Conference on Food Structures, Digestion and Health organized by Riddet Institute, Massey University.

Nominations and Honours

Dr D B Choksi, Professor and Head, Department of Computer Science and Technology in the University was honoured with a biographical note in (a) “Asian Admirable Achievers”, Vol. V, and (b) “Asia-Pacific Who’s Who”, Vol. XI published by Rifacimento International in 2011.

Publications

13 proposals for publication of books submitted by university and college teachers like Dr Kiran R Surati, Dr KS Likhia and Dr MK Yagnik, Dr N D Oza, Dr Shishir H Mandalia, Mr Piyush Raval, Dr Arnabh Mishra, Dr Atul Bansal, Dr Dipti N Trivedi, Dr Farzin M Parabia, Dr Hemang Desai, Dr Kamini B Dashora, Dr Manisha S Bhatt, Dr Yashasvi Rajpara, and were approved by the Publication Board of this University under the UGC seed grant for publication.

Students’ Achievement

A total of 16 students cleared NET/SLET/GATE. These include 05 in the Department of Gujarati; 01 in the Department of Home Science; 01 in the Department of Electronics; 05 in the Department of Chemistry; 01 in the Department of Materials Science in Materials Science, Nanoscience and Nanotechnology securing third, sixth and eighth ranks respectively at the national level; 02 in the Department of Business Studies; 06 in the Department of Mathematics; and 03 in the Department of Sanskrit. Besides this, 10 students of the Department of Chemistry received the RFSMS Scholarships; 04 students of the Department of Materials Science won prizes in various national and international conferences; and 39 students of the Department of Chemistry found placements in various industries and organizations on completing their MSc degree.

The Path Ahead

We have implemented in toto the UGC (Minimum Standards and Procedure for award of MPhil/PhD Degree) Regulations 2009 published vide Part III Section-4 of The Gazette of India dated 11 July 2009 from the academic year 2010-11. We are trying hard to get the dissertation/thesis written in English in fulfilling the requirement in No.17 of these regulations of at least one of the two examiners evaluating the MPhil dissertation/PhD thesis be 'from outside the State' or even 'from outside the country' in case of a 'University, Institution, Deemed to be University, College, Institution of National Importance'. The university has, therefore, commissioned a project to train MPhil and PhD students in the university in English language skills.

The DST has awarded ₹6 crore as an incentive to this university on the basis of its independent assessment of the research performance of all the universities in India. A Centre for Interdisciplinary Studies in Science and Technology (CISST) has been established in the university and given the responsibility of undertaking teaching and research programmes in (1) Biomedical Technology, (2) Defence Technology, and (3) Earth and Planetary Sciences. Besides this, it will also encourage research scholars to undertake research more intensively by taking up projects in specific areas. It has begun to function and we do look ahead to concrete research output from this centre.

To end a happy note, let me congratulate the editorial board constituted for preparing this annual report and the relevant sections in the university for their excellent work as a team.

I shall be happy to welcome any valuable feedback in the form of suggestions from our stakeholders to take these happy developments forward.

Vallabh Vidyanagar
25 February 2013

(Harish Padh)

INDEX

GENERAL INFORMATION	
Prologue Our Credo	1
National Level Dignitaries Who Delivered Convocation Address	2
The Officers of the University	3
Authorities of the University	6
Officials of the University	8
Affiliated Colleges	9
Affiliated Colleges having Postgraduate Programme	12
Vice Chancellors	14
Registrars	14
University Department at a Glance	15

CHAPTER – I CURRICULAR ASPECTS		51
1.1	Courses/ Programmes Offered	51
1.2	Course Revision and Additions During 2011-2012	57
1.3	New Papers being offered from the year 2011-2012	57

CHAPTER –II TEACHING-LEARNING AND EVALUATION		59
2.1	Number of Academic Days in the year 2011-2012	60
2.2	Admission	60
2.3	International Students Centre	75
2.4	Faculty / Staff Information	76
2.5	New Appointments made in the year 2011-2012	80
2.6	Teaching Learning Avenues	80
	1 Seminars/Guest Lectures/Conferences	81
	2 Projects and Summer Trainings	81
	3 List of MSc Projects from the Departments	81

2.7	Evaluation	88
2.8	Students Achievements in the year 2011-2012	99
2.9	Examination Reforms Unit	100

CHAPTER – III		105
RESEARCH, CONSULTANCY AND EXTENSION		
3.1	Research	105
	1 New Research Projects	107
	2 Ongoing Research Projects	113
	3 Research Projects Completed	120
	4 Ph. D Programme	124
	5 M. Phil Programme	132
3.2	Publications	142
	1 Research Papers Published in Academic Journals	142
	2 Publications of Books	183
	3 Publications unit at the University	187
3.3	Research Collaboration in Progress	187
3.4	Academic Programmes Organized and Participated	189
	1 Academic Development Programmes Organized	189
	2 Academic Programmes Participated	192
	3 Lectures Organized by the University	273
3.5	Awards and Recognitions	276
	A Achievements of teaching staff	276
	B Specially Recognized Departments	280
	C Fellowship	280
3.6	Consultancy	281
	1 Industrial Consultancy	281
	2 Academic Consultancy	281
	3 Processes Developed/Released	361
3.7	Research Awards\Prize\Schemes	317
3.8	Activities of Chairs	319
3.9	Academic Centers	321
3.10	Departmental Extension Activities	330

CHAPTER – IV		335
INFRASTRUCTURE AND LEARNING RESOURCES		
4.1	The Uses of Computers as Learning Resource	335
4.2	Library as Learning Recourse	337
4.3	Central Facilities	341
4.4	Infrastructure In Postgraduate Departments	348
4.5	New Civil Work In Progress Completed in the year 2011-2012	354

CHAPTER – V		355
STUDENT SUPPORT AND PROGRESSION		
5.1	Talent Search and Nourishment	355
5.2	Coaching Programme for SC/ST	355
5.3	Physical Education	355
5.4	Youth Welfare and Cultural Activities	356
5.5	Students Union in the University	358
5.6	Alumni Association	358
5.7	Freeships/ Scholarships/ Fellowships	359
5.8	SC/ST Cell	360
5.9	Placement Cell	361

CHAPTER – VI		363
ORGANIZATION AND MANAGEMENT		
6.1	Statutory Decision Making Bodies of the University	364
6.2	University Finance	365

CHAPTER – VII		366
HEALTHY PRACTICES/ INNOVATIVE PRACTICES		
7.1	Sanskar Mandal and Balwadi	367
7.2	Internal Quality Assurance Cell (IQAC)	368
7.3	University & Industry Interaction (I & U Cell)	368
7.4	Cell for Sexual Harassment	369
7.5	Environmental Cell	369
7.6	Centre for Training and Research Language and Communication	370
7.7	Teaching and Research Interwoven	370
7.8	Welfare Schemes for Sardar Patel University Fraternity	370

CHAPTER – VIII		372
LOOKING AHEAD		
8.1	Enhancing Quality of PhD Theses	372
8.2	Centre for Interdisciplinary Studies in Science and Technology (CISST): DST PURSE Programme	372
8.3	Civil Work in Progress	375
8.4	Towards Excellence	376

EPILOGUE



PROLOGUE OUR CREDO

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.

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.

GOALS

- To serve the rural population by providing them with access to higher education.
- To continually explore new frontiers in the areas of Science and Technology.
- To constantly set and reach new levels of achievement in research in areas within Humanities and Social Science.
- To continue to focus on thrust areas in all the disciplines through indigenous research and collaborative ventures at the international level.
- To become a financially vibrant and sound institution of international standard.

WE STRIVE FOR EXCELLENCE, FOR EXCELLENCE MATTERS!

NATIONAL LEVEL DIGNITARIES WHO DELIVERED CONVOCAATION ADDRESSES

- Dr Rajendra Prasad, the then Honourable President of India
- Dr S Radhakrishnan, the then Honourable Vice President of India
- Shri Kanaiyalal Munshi, Well known Gujarati Author, the then Food Honourable Minister of India
- Shri Ashok Mehta, the then Deputy Chairman, Planning Commission of India
- Prof D S Kothari, the then Chairman, University Grants Commission
- Dr Raja Rammanna, the then Director, Bhabha Atomic Research Centre
- Shri Morarjibhai Desai, the then Honourable Prime Minister of India
- Dr H N Sethna, Chairman, Atomic Energy Commission
- Shastri Shri Pandurang Vaijanath Athavale
- Dr (Mrs) Madhuriben Shah, the then Chairman, University Grants Commission
- Justice P N Bhagwati, the then Honourable Chief Justice Supreme Court of India
- R Venkatraman, the then Vice President of India
- Dr Shankar Dayal Sharma, the then Vice President of India
- Dr V Kurian, the then Chairman, NDDB
- Dr I G Patel, Eminent Economist, Ex-Governor Reserve Bank of India
- Dr C C Patel, Ex-Chairman-cum-MD, Sardar Sarovar Narmada Nigam
- Dr Manamohan Singh, the then Honourable Finance Minister, Government of India
- Justice A M Ahmadi, the then Honourable Chief Justice, Supreme Court
- Dr R Chidambaram, the then Chairman Atomic Energy Commission
- Shri Sam Pitroda, the then Chairman, World Tel Ltd.
- Dr A P J Abdul Kalam, the then Scientific Advisor, Government of India
- Dr Anil Kakodkar, Chairman Atomic Energy Commission
- Param Pujya Swami Shri Satyamitra Nandji Maharaj, Haridwar
- Shri Narendra Modi, Honourable Chief Minister of Gujarat State
- Prof D Acharya, the then Chairman, All India Council for Technical Education
- Shri P K Laheri, the then Chairman & MD, Sardar Sarovar Nigam LTD
- Dr S Banerjee, Director, Bhabha Atomic Research Centre
- Shri Ramanlal Vohra, Education Minister, Government of Gujarat.
- Shri Rahul Bajaj, Bajaj Auto LTD
- Prof Ved Prakash, Chairman, University Grant Commission (UGC)

OFFICERS OF THE UNIVERSITY

(i) The Chancellor
HE Dr (Smt) Kamala Beniwal
Governor of Gujarat and
Chancellor of the Sardar Patel University,
Raj Bhavan, Gandhinagar - 382 010

(ii) The Vice Chancellor
Prof (Dr) Harish Padh
Vice Chancellor
Sardar Patel University
Vallabh Vidyanagar - 388 120

(iii) The Deans of Faculties

No	Faculty	Name of the Dean	Affiliation	Period
1	Arts	Dr N R Patel	Principal N A and T V Patel Arts College Vallabh Vidyanagar	09/12/2009 to 08/12/2012
2	Science	Dr A R Jani	Professor and Head Department of Physics Sardar Patel University Vallabh Vidyanagar	01/06/2009 to 31/05/2012
3	Engineering	Prin F S Umarigar	Principal, B V Mahavidyalaya Vallabh Vidyanagar	01/10/2010 to 22/02/2012
		Prof L M Manocha (I/C)	Professor Dept of Materials Science, SPU	From 23/02/2012
4	Business Studies (Commerce)	Dr Ketki P Seth	Associate Professor Anand Commerce College Anand	01/04/2011 to 05/08/2013
5	Law	Mr Apurva C Pathak	Assistant Professor Anand Law College Anand	06/08/2010 to 05/08/2013
6	Education	Dr Pallavi P Patel	Professor and Head Department of Education, SPU Vallabh Vidyanagar	01/06/2010 to 31/05/2013
7	Home Science	Dr Rekhaben Emanuel	Principal S M Patel College of Home Science, Vallabh Vidyanagar	01/10/2010 to 30/09/2013
8	Medicine	Dr S H Srivastava	Professor Pramukh Swami Medical College, Karamsad	01/09/2009 to 31/08/2012
9	Pharmaceutical Sciences	Dr A K Saluja	Principal, ARCP, Vallabh Vidyanagar	01/01/2009 to 22/12/2012
		Dr D K Raval (I/C)	Professor Dept of Chemistry, SPU	From 23/02/2012
10	Management	Dr H J Jani	Professor and Head Department of Business Administration, SPU Vallabh Vidyanagar	06/08/2012 to 02/11/2012
11	Homoeopathy	Dr V D Patel	Professor Anand Homoeopathy Medical College, Anand	01/04/2009 to 31/03/2012

(iv) The Registrar
Shri Tushar Majmudar
I/c Registrar
Sardar Patel University
Vallabh Vidyanagar - 388 120

(v) Heads of University Departments

No.	Postgraduate Department	Name of the Head	Year of Establishment
1	Biosciences	Prof (Mrs) Kiran Kalia MSc PhD	1958
2	Business Management	Prof H J Jani (ME (Mechanical), MBA, PhD)	1989
3	Business studies	Prof P K Rathod (MCom, MPhil, PhD, FDP)	1964
4	Chemistry	Prof H S Patel (MSc, PhD)	1958
5	Computer science	Prof D B Choksi (MSc, MCA, PhD)	1986
6	Economics	Prof H P Trivedi (MA, PhD)	1958
7	Education	Prof M K Yagnik (MA, MEd, PhD)	1988
8	Electronics	Prof (Miss) Basumati Patel (MSc, PhD)	1988
9	English	Prof J H Khan (MA, MAAL (UK), MEd (Eng), PhD)	1958
10	Gujarati	Prof B R Brahmhatt (MA, PhD)	1958
11	Hindi	Prof N K Chauhan (MA, PhD)	1958
12	History	Prof J M Pandya (MA, PhD)	1959
13	Home science	Prof (Mrs) Rema Subhash (MSc, PhD)	1977
14	Library and Information Science	Prof (Ms) Urmilaben Thaker (MLib, MPhil, PhD)	1982
15	Material Science	Prof L M Manocha (MSc, PhD)	1990
16	Mathematics	Prof A B Patel (MA, PhD)	1958
17	Media Studies	Prof J H Khan (Hon. Director) (MA, MAAL (UK), MEd (Eng), PhD)	2005
18	Pharmaceutical Sciences	Prof D K Raval, (I/C Head) (MSc, PhD)	2010

No.	Postgraduate Department	Name of the Head	Year of Establishment
19	Physics	Dr A R Jani (MSc, PhD)	1958
20	Political science	Dr Baldev Agja, (I/C Head) (MA, PhD)	1958
21	Psychology	Prof S J Patel, (I/C Head) (MA, PhD)	1982
22	Sanskrit	Prof A I Thakor (MA, PhD)	1958
23	Social Work (MSW)	Dr (Ms) Shivani Mishra MSW PhD	1997
24	Sociology	Prof J M Trivedi (MA, PhD)	1958
25	Statistics	Prof P A Patel (MSc, PhD)	1961
26	USIC	Shri Sulax Shah (I/C Head) (BE)	1979
Constituent College			
27	M B Patel College of Education	Dr N R Patel (MSc, MEd, PhD)	1960

AUTHORITIES OF THE UNIVERSITY

(i) The Senate

(ii) The Syndicate (1st April 2009 to 31st March 2012)

	The Vice Chancellor	8	Dr Basudeb Bakshi
1	Prof Harish Padh Vice Chancellor Sardar Patel University Vallabh Vidyanagar – 388 120		Principal Natubhai V Patel College of Pure and Applied Sciences Vallabh Vidyanagar – 388 120
2	Commissioner of Higher Education Gujarat State, Old Sachivalaya Block No. 12, 3 rd Floor Gandhinagar – 382 010	9	Ten Persons Elected by the Senate Mr Pragneshkumar Arvindbhai Patel 'Nandanvan', Yogi Park Society Opp. Arts College Anand -388 001
3	The Director, Technical Education Gujarat State, Old Sachivalaya Sector-10, Block No-2, 2 nd Floor Gandhinagar – 382 012	10	Mr Bipinchandra Purshottamdas Patel Shri Motilal Nivas Tower Bazaar Anand – 388 001
4	The Director Health and Medical Services and Medical Education Medical Education and Research G-Block, 2 nd Floor, Civil Hospital Sector 12, Gandhinagar – 382 012	11	Ms Bhanu Dahyabhai Patel Assistant Professor SM Patel College of Home Science Vallabh Vidyanagar – 388 120
		12	Dr Beena Ambalal Mahida Assistant Professor Anand Arts College Anand -388 001
5	Two Heads of Department of the University Dr H P Trivedi Head, Department of Economics Sardar Patel University Vallabh Vidyanagar – 388 120	13	Ms (Smt) Hansakunvarba Raj Dadani Khadki At & Po - Adas Dist – Anand
6	Dr Maheshchandra K Yagnik Head, Department of Education Sardar Patel University Vallabh Vidyanagar – 388 120	14	Mr Tusharbhai Anubhai Patel PB No. 29, Navi Pole Dharmaj Ta – Petlad
7	Two Principals of Degree Colleges Affiliated to the University Dr Rajendrasinh P Jadeja Principal H M Patel Institute of English Training and Research Vallabh Vidyanagar – 388 120		

15	Mr Narendra Prabhudas Chotai		One Representative of the Institute of Agriculture, Anand
	Assistant Professor		
	AR College of Pharmacy	21	Mr Girish B Jani
	Vallabh Vidyanagar – 388 120		Dy Director
			Bhavan's Munglal Institute of
16	Dr Shirish H Shrivastava		Postgraduate Studies
	Professor		Bhartiya Vidya Bhavan
	Pramukh Swami Medical College		KM Munshi Marg
	Karamsad – 388 325		Mumbai – 400 007
17	Mr Bhupendra Chandubhai Patel		One Representative Elected by the Birla Education Trust
	Sardar Gunj Mercantile Co-op Bank Ltd. (Anand) English Medium College of Commerce and Management (SEMCOM)	22	Dr Farokh Sorabji Umrigar
	Vallabh Vidyanagar – 388 120		Principal
			Birla Vishwakarma Mahavidyalaya
			Vallabh Vidyanagar – 388 120
18	Vacant		
	Two Representative Elected by the Charutar Vidya Mandal		Four Persons Nominated by the State Government
19	Dr Nikhil Zaveri	23	Vacant
	Sardar Gunj Mercantile Co-op Bank Ltd.		
	(Anand) English Medium College of	24	Vacant
	Commerce and Management (SEMCOM)		
	Vallabh Vidyanagar – 388 120	25	Vacant
20	Dr N R Parmar	26	Vacant
	Principal		
	N A and T V Patel Arts College		
	Vallabh Vidyanagar – 388 120		

(iii) **The Academic Council**

(iv) **The Faculties**

(v) **The Boards of Studies**

(vi) **The Board of Postgraduate Studies and Research**

OFFICIALS OF THE UNIVERSITY

No.	Designation	Name
1	Vice Chancellor	Prof Harish Padh MSc, PhD, FGSA
2	Registrar I/C	Mr Tushar Majmudar MSc, DCA
3	Deputy Registrar	Mr Tushar Majmudar MSc, DCA
4	Deputy Registrar	Vacant
5	Assistant Registrar	Mr Mayank Bhatt MSc
6	Development Officer	Dr Raghav M Patel MA, LLB, PhD
7	University Engineer	Mr Parag N Vaidya BE (Civil)
8	Co-ordinator, ERU	Vacant
9	Director, Physical Education	Dr Gursevaksingh Saggu MPE, NIS, PhD
10	Librarian	Vacant
11	Director, Computer Centre	Smt Jyoti Tiwari MSc
12	Press Manager	Mr Jatin H Somani DPTech.
13	Medical Officer	Vacant
14	Curator	Mr Amol A Mohite MA (Museology)
15	Chief Accounts Officer	Vacant

AFFILIATED COLLEGES

No.	Name of the College	Name of the Principal
1.	A D Patel Institute of Technology (ADIT)	Dr R K Jain
2.	A R College of Pharmacy and GH Patel Institute of Pharmacy	Dr A K Saluja
3.	AIMS College of Management and Technology	I/C Principal
4.	Akhilesh Sureshbhai Patel Arts College	I/C Principal
5.	Alpesh N Patel PG Institute	I/C Principal
6.	Anand Arts College	I/C Principal
7.	Anand College of Education	I/C Principal
8.	Anand Commerce College	I/C Principal
9.	Anand Education College	Dr V T Bhamwari
10.	Anand Homeopathic Medical College and Research Institute	I/C Principal
11.	Anand Institute of Business Studies	I/C Principal
12.	Anand Institute of Information Science	I/C Principal
13.	Anand Institute of Management	I/C Principal
14.	Anand Institute of PG Studies	I/C Principal
15.	Anand Institute of Social Work	I/C Principal
16.	Anand Law College	I/C Principal
17.	Anand Mercantile College of Science, Management and Computer Technology	Dr Harendra G Vyas
18.	Anand Pharmacy College	Dr Tejal Gandhi
19.	Ashok and Rita Patel Institute of Integrated Study and Research in Biotechnology and Allied Science (ARIBAS)	I/C Principal
20.	B J Vanijya Mahavidyalaya	I/C Principal
21.	B N Patel Institute of Paramedical and Science	Dr D J Desai
22.	Birla Vishwakarma Mahavidyalaya (Engineering College)	Dr F S Umrigar
23.	C Z Patel College of Business and Management	Dr Atul Bansal
24.	Centre for Studies and Research on Life and Works of Sardar Vallabhbhai Patel (CERLIP)	Prof Hari Desai
25.	Christian College of Education	I/C Principal
26.	Christian College of Management Studies	I/C Principal
27.	College of Management and Computer Technology	I/C Principal
28.	CP Patel and FH Shah Commerce College	Dr G V Mehta

No.	Name of the College	Name of the Principal
29.	D C Patel School of Architecture Arvindbhai Patel Institute of Environment Design	Prof P A Pithawala
30.	F H Shah Institutes of Management and Information Technology	I/C Principal
31.	G H Patel College of Engineering and Technology	Dr Anurag Verma
32.	G H Patel School of Nursing	Mrs K S Masurkar
33.	Gordhandas Jamnadas Patel College of Management and Technology	I/C Principal
34.	H M Patel Institute of English Training and Research	Dr R P Jadeja
35.	I J Patel BEd College (Self-Financed)	Dr Nusrat Kadri
36.	Indukaka Ipcowala College of Pharmacy (IICP)	Dr K K Bhatt
37.	Institute of Language Studies Applied Social Sciences (ILSASS)	Dr Sunny Thomas
38.	Institute of Science and Technology for Advanced Studies and Research (ISTAR)	Dr D N Bhatt
39.	J H Patel College of Management and Technology	I/C Principal
40.	J M Patel Institute of Social Work	I/C Principal
41.	J M Patel PG Studies and Research in Humanities	I/C Principal
42.	Jivkaran Institute of Business Administration	I/C Principal
43.	Jivkaran Institute of Science and Technology	I/C Principal
44.	K S Patel College of Science Management and Technology	I/C Principal
45.	Khushalbhai M Patel Institute of Physiotherapy	Prof Lata Parmar
46.	M B Patel Science College	Dr D S Raj
47.	N A and T V Patel Arts College	Dr N R Parmar
48.	N H Patel College of Education	Dr D U Patel
49.	N R Patel Mahila BEd College	I/C Principal
50.	N S Patel Arts College	Dr M C Patel
51.	Natubhai V Patel College of Pure and Applied Sciences	Dr Basudeb Bakshi
52.	P M Patel College of Computer Science and Technology	I/C Principal
53.	P M Patel College of Education	Dr R S Prajapati
54.	P M Patel Institute of Postgraduate Studies and Research in Science	I/C Principal
55.	P P Patel College of Social Science	I/C Principal
56.	Pioneer Arts and Commerce College	I/C Principal
57.	Pramukhswami Medical College	Dr Utpala Kharod
58.	Rama Manubhai Desai College of Music and Dance	I/C Principal

No.	Name of the College	Name of the Principal
59.	S M Patel College of Home Science	Dr (Mrs) Rekhaben Emanuel
60.	S S Patel College of Physical Education	Dr B L Nagar
61.	Sardar Gunj Mercantile Co-Operative Bank Ltd. (Anand) English Medium College of Commerce (SEMCOM)	Dr Nikhil Zaveri
62.	Sardar Patel College of Administration and Management	I/C Principal
63.	Sardar Patel College of Education	I/C Principal
64.	Sardar Patel College of Pharmacy	I/C Principal
65.	Sardar Patel Institute of Applied Sciences	I/C Principal
66.	Shivam Institute of Management, Commerce and Computer Technology	I/C Principal
67.	Shree Dr V H Dave Homoeopathic Medical College and Smt Shardaben I Patel (Ipcowala) Homoeopathic	Dr P C Dave
68.	Shree P M Patel College of Electronic and Communication	I/C Principal
69.	Shri Babubhai G Patel College of Physiotherapy	I/C Principal
70.	Shri Bhikhabhai Patel Arts College	Shri R P Bhoi
71.	Shri I J Patel MEd Course	I/C Principal
72.	Shri J M Patel Arts College	I/C Principal
73.	Shri P M Patel College of Law and Human Rights	I/C Principal
74.	Shri P M Patel College of Paramedical Science and Technology	I/C Principal
75.	Shri P M Patel Institute of Biosciences	I/C Principal
76.	Shri P M Patel Institute of Business Administration	I/C Principal
77.	Shri P M Patel Institute of Integrated MSc In Biotechnology	I/C Principal
78.	Shri V J Patel College of Physical Education	I/C Principal
79.	Shri V Z Patel Commerce College	Dr J H Patel
80.	Smt Kamalaben P Patel College of Home Science	I/C Principal
81.	Smt L P Patel Institute of Medical Laboratory Technology	Dr Sunil Trivedi
82.	Smt Pushpaben Kanaiyalal Inamdar College of Education	I/C Principal
83.	Takshashila College of Management and Technology	I/C Principal
84.	Tarkesh and Niranjana Sureshbhai Patel Commerce College	I/C Principal
85.	V P and R P T P Science College	I/C Principal
86.	Way Made College of Education (English Medium)	Dr (Mrs) Sulbha Natraj

AFFILIATED COLLEGES HAVING PG PROGRAMMES

No.	Name of the College	PG Programs
1	N A and T V Patel Arts College	MA (Logic and Philosophy), PhD (In Philosophy)
2	Anand Arts College	MA (English, Hindi, Gujarati, History, BLib, MLib)
3	N S Patel Arts College	MA (Economics, Gujarati, Hindi, English, MPA, MSW)
4	Shri Bhikhabhai Patel Arts College	English, Hindi
5	M B Patel Science College	MSc Chemistry, Microbiology, Biotechnology, MLT
6	A M College of Science and Computer Technology	Biotechnology, PGDCA
7	Sardar Gunj Mercantile Co-Operative Bank Ltd. (Anand) English Medium College of Commerce	E-Business
8	C P Patel and F H Shah Commerce College	MCom (Business Studies)
9	SICART	PhD Programme, Electrical Engineering, Mechanical Engineering, Civil Engineering, Structural and Transportation Engineering
10	H M Patel Institute of English Training and Research	MEd (English), MA (ELT), MPhil (ELT), PhD
11	Anand Law College	LLM
12	S M Patel College of Home Science	Diploma Courses in Fashion Design in Fashion and Merchandising, Early Childhood Care and Education, Fashion Design
13	Anand Homoeopathic Medical College and Research Institute	MD <i>Materia Medica</i> , MD Repertory, MD Homoeopathic Philosophy
14	Shri Dr V H Dave Homoeopathic College and Research Institute	MD <i>Materia Medica</i> , MD Repertory, MD Homoeopathic Philosophy
15	Pramukhswami Medical College	MSc and Ph D in Medical Micro-biology, Medical Bio-chemistry, Medical Physiology, Medical Pharmacology, Medical Anatomy, MD in Medicine Anaesthesiology, MS in ENT and DIP
16	Anand Pharmacy College	MPharm Pharmaceutics, Pharmacology, PhD Pharmaceutics
17	College of Physiotherapy	Master of Physiotherapy
18	Institute of Science and Technology for Advanced Studies and Research (ISTAR)	Instrumentation, MSc (Industrial Chemistry, Plastic Technology, Oil fats and Varnishes, Information Science, Environmental Science), MCA, MPharm (Quality Assurance, Pharmacognosy Pharmaceutics), ME (Valuation Real Estate, Valuation Plant and Machinery, Industrial Hygiene, Environmental Engg, Construction Engg, Structural Engg, Machine Design, Electrical Power

No.	Name of the College	PG Programs
		System, Computer Engg Civil) MIH, MTech (Communication Engg)
19	D C Patel School of Architecture Arvindbhai Patel Institute of Environment Design	Technology in Town Planning, MTech
20	Anand Institute of Information Science (Self Financed)	MCA
21	Shri P M Patel College of Paramedical Science and Technology	MSc MLT
22	Anand Institute of Management	MBA (Management Studies), E-Business
23	Anand Institute of Business Studies	MCom (Business Studies)
24	Anand Institute of Social Work	MSW, PGDDM,
25	Ashok and Rita Patel Institute of Integrated studies In Biotechnology	MSc (Integrated Biotechnology, Microbiology, Pharmaceuticals Chemistry, Biotechnology)
26	P M Patel Institute of Biotechnology	MSc (Integrated Biotechnology)
27	P M Patel Institute of Biosciences	MSc (Microbiology, Biotechnology)
28	Smt L P Patel Institute of Medical Laboratory Technology	MSc (MLT)
29	J M Patel Arts College	MSW, M.A (English, Hindi, Sanskrit, Gujarati)
30	Shri K P Patel College of Home Science	MSc Home Science (FN,FBT)
31	K M Patel Institute of Physiotherapy	M Physiotherapy

VICE CHANCELLORS OF SARDAR PATEL UNIVERSITY

No.	Name of the Vice Chancellors	Period
1	Dr Bhailalbai D Patel (Shri Bhaikaka)	19-12-1955 to 18-12-1958
2	Shri Babubhai J Patel	19-12-1958 to 18-12-1961
3	Dr Maganbhai D Patel	19-12-1961 to 15-11-1963
4	Shri Ishvarbhai J Patel	16-11-1963 to 24-04-1970
5	Shri Rameshbhai S Mehta	25-04-1970 to 31-12-1974
6	Dr Ramanbhai D Patel	19-04-1975 to 18-04-1978
7	Dr Ranchhodbhai M Patel	19-04-1978 to 18-04-1981
8	Shri Krishnalal N Shah	19-04-1981 to 18-04-1987
9	Dr Kantibhai C Patel	19-04-1987 to 18-04-1990
10	Dr Dilavarsinh D Jadeja	19-04-1990 to 18-04-1996
11	Dr Vitthalbhai S Patel	25-07-1996 to 24-07-2002
12	Dr Pravinchandra J Patel	19-09-2002 to 18-09-2005
13	Dr Bharatkumar G Patel	17-05-2007 to 17-05-2010
14	Prof Harish Padh	01-07-2010 Onward

REGISTRARS OF SARDAR PATEL UNIVERSITY

No.	Name of The Registrars	Period
1	Shri C N Patel	15-12-1956 to 08-07-1957
2	Shri K J Majmudar	03-12-1957 to 22-06-1960
3	Shri H A Mistry	01-10-1961 to 07-06-1962
4	Shri D B Patel	09-06-1962 to 08-12-1963
5	Shri K A Amin	01-06-1964 to 04-02-1980
6	Shri R C Thakkar	05-02-1980 to 23-08-1988
7	Shri Niranjana Upadhyay	01-10-1988 to 23-02-1993
8	Shri Chandrakant M Patel	01-09-1993 to 17-12-1995
9	Shri Kanubhai M Patel	18-12-1995 to 17-10-1998
10	Dr B Natraj	01-09-2000 to 31-10-2010

UNIVERSITY DEPARTMENTS AT A GLANCE

B R DOSHI SCHOOL OF BIOSCIENCES (DEPARTMENT OF BIOSCIENCES) (A UGC-SAP, COSIST, AND DST - FIST DEPARTMENT)

Head of the Department: Prof (Mrs) Kiran Kalia

Phones: (O) 02692 234402 (R) 0265 2251160

Faculty: One of major strengths of the department is various collaborative and interdisciplinary research project carried out by various faculty members. The total strength of the faculty of the department is Professors: 8, Associate Professor: 5, Assistant Professor (SG): 1, and Assistant Professor (Ad hoc): 2, Technical Staff: 5 Administrative Staff: 4, Supporting Staff: 7.

Courses offered: MSc Biochemistry, MSc Biotechnology, MSc Botany, MSc Industrial Biotechnology, MSc Microbiology, MSc Zoology and PhD in Biosciences.

Research Facilities: Phase contrast microscope (American Optics), Photomicroscope (Carl-Zeiss), MPM 400 Photometry, KS 3000 Image Analyser, (Carl Zeiss), Fluorescence microscope (Olympus), Research microscope with photographic system (Nikon), Inverted microscope (Accumax), HPLC (Agilent), HPTLC (CAMAG), TOC (Smdazu), Elisa Plate Associate Professor (Molecular Devices), Cryocut (Leica), UV Visible spectrophotometers (Hewlett Packard, Unichem Beckman), FPLC (BioRad), 2D Electrophoresis (BioRad), Lyphilizer (FTS), -85° Deep Freezer (Sanyo), Refrigerated Centrifuge (Sigma, Eppendorf), Microwave Digester (Berghoff), Atomic absorption spectrophotometer (Analytik Jena), Hybridization Oven (GE), UV Cross Linker (GE), Glass Knife Maker (RMC), Ultra Microtome (Richert, RMC), Semiautomatic Microtome and manual Microtomes (Richer, RMC) Semiautomatic Microtome and manual Microtomes (AEUS) Stirre Cell (Millipore), Fermentor (New Bruinswik), Electrophoresis with Vacuum Blot (GE)

Major Research Activities

Micro and Environmental Biotechnology

- Purification and Structural Characterization of Phycobiliproteins from Cyanobacteria and other microbial pigments.
- Identification of novel genes for bioremediation through metagenomic approach.
- Production of Cyclodextrins, Glucanotransferase and biodegradable polymers from agrowaste.
- Characterization of Arsenic hypertolerant microorganisms.

Plant Morphogenesis

- Histology and histochemistry of cambial development in tropical trees
- Histo-physiology of fruit development and ripening
- Pre and postharvest Technology of fruits

Plant and Animal Biotechnology

- Micropropagation of economically and medicinally important plant
- Elucidation of disease resistance mechanisms in plant at structural, biochemical and molecular level.
- Genetic variants in diabetic population and its association with onset of diabetes and its secondary complications.
- Proteomic identification and characterization of new biomarkers in diabetic complications
- Cell and tissue specific responses in growth and regeneration of reptilian tail
- Development of novel feed supplements for fresh water fish
- Isolation of Lactobacilli and their probiotic potential

Plant and Microbial Biodiversity

- Distribution mapping of some medicinal plants in Shoorpaneshwar Wild life sanctuary
- Screening, isolation and characterization of Plant Growth Promoting Rhizobacteria (PGPR) from various ecological niches

International Collaboration: Molecular and Environmental Biotechnology Research Centre, University of Manchester, UK, Department of Chemistry and Chemical Engineering, Polytechnic University, Brooklyn, New York, USA, Chonnam National University, Kwangju, South Korea, Department of Biotechnology, Griffith University, Australia, Institute of Plant Genetics and Biotechnology, Slovak Academy of Sciences, Nitra, Sloval Republic, School of Health Sciences, Purdue University, West Lafayette, USA

National: BV Patel Pharmaceutical Education and Research Development Centre, (PERD) Ahmedabad; Centre for Cell and Molecular Biology (CCMB) Hyderabad; Indian Institute of Science (IISc), Bangalore; National Research Centre for Medicinal and Aromatics Plants (NRC-MAP), Boriavi, Rubber Research Institute of India, Kottayam Kerala, The MS University of Baroda, Vadodara, NEERI, Nagpur, PS Medical College and Hospital, Karamsad, Anand Agriculture University, Anand, National Centre for Cell Sciences, Pune, Indian Institute of Chemical Technology, Hyderabad

Library Facilities: Books - 2500, Journals - 10

Major Achievements: 1981-UGC-DRS Programme, 1995-UGC-DRS (SAP) Phase-I, 2000-UGC-SAP, 2001-DST-FIST (Phase –I) level – I, and UGC COSIST, 2007-UGC-SAP (DSA) (Phase – II), 2009-DST-FIST (Phase-II) Level-I (B& C), 2010-DBT-Centre of Excellence

Programme	Duration	Eligibility	Highlights
MSc Microbiology	4 Semesters	BSc/BS Microbiology/ BSc (Any Subject of Biosciences)	Focus on Environmental Biotechnology, Fermentation Technology Enzyme Technology and Molecular Biology
PhD Microbiology	6 Semesters	MSc/MS Biosciences	Enzyme and Fermentation Technologies, Environmental Studies, Molecular Biology
MSc Biochemistry	4 Semesters	BSc/BS Biochemistry/ BSc (Any Subject of Biosciences)	Plant and Animal Biochemistry, Molecular Biology, Bioremediation
PhD Biochemistry	6 Semesters	MSc/MS Biosciences	Immunology, Bioremediation, Health Science
MSc Biotechnology	4 Semesters	BSc/BS Biotechnology BSc/BS (Any subject of Biosciences)	General Biotechnology covering Plant, Animal and Microbial Biotechnology
PhD Biotechnology	6 Semesters	MSc /MS Biosciences	Plant Biotechnology, Microbial Biotechnology and Animal Biotechnology
MSc Botany	4 Semesters	BSc/BS Botany/Biosciences	Systematic, Physiology, Biodiversity, Tissue Culture, Biotechnology
PhD Botany	6 Semesters	MSc /MS Biosciences	Tissue Culture, Wood Biology, Plant-Microbe interaction, Bio-control, Phytoremediation
MSc Zoology	4 Semesters	BSc/BS Zoology/Biosciences	Cell Molecular Biology, Immunology, Biotechnology, Physiology, Behaviour, Endocrinology, Biology
PhD Zoology	6 Semesters	MSc /MS Zoology	Endocrinology, Integumentary, Biology, Toxicology

DEPARTMENT OF CHEMISTRY

(A DST-FIST Department and UGC Centre for Excellence in Applied Polymers)

Head of the Department: Prof (Dr) H S Patel

Phones: (O) 02692 226855, 56, and 57 (R) 02692 236743 **Fax:** 91-2692-22655 / 236475

E-mail: chemspu@rediffmail.com, chemspu@yahoo.com, hsp13152@rediffmail.com

Faculty: Professors: 07, Associate Professors: 02, Assistant Professors: 04, Technical Staff: 03

Courses Offered: MSc Chemistry with specialization in Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Industrial Polymer Chemistry and Analytical Chemistry, PhD in Chemistry

Major Sophisticated Equipments (for Research and Teaching): Simultaneous DTA/TGA/DSC (TA Model 5000/2960), Differential Scanning Calorimeter (TA Model 5000/2920), ¹³C NMR (400 MHz) (Bruker), ¹H NMR (60 MHz) HITACHI R-1500, UV-VIS Spectrophotometer (SHIMADZU 160A), Spectrophotometer, FT-IR Spectrophotometer (MB 3000, ABB Bomen Inc, Canada), Vibrating Sample Magnetometer (Lakeshore Model 7300), Multi-angle Light Scattering Equipment (WYATT DAWN EOS), High Temperature Gel Permeation Chromatograph (WATERS), HPLC/GPC System, Vapour Pressure Osmometer (RE-651 KNAUER), Digital Viscometer (Brookfield DV-II), Chemical Impedance Analyser (SOLARTRON), High Electric Resistance Analyser (KITHELY), Atomic Force Microscope (VEECO), Universal Testing Machine (30K) (Lloyds), Dynamic Mechanical Analyser (TRITON), Heat Deflection Temperature and Vicat Softening Point Equipment (CEAST), Melt Flow Indexer

Major Research Activities: Polymer Syntheses, Modification and Characterization, Polymer composites, Studies in Polymer Solutions, Synthesis of Novel Heterocycles, Phthalides, and Dihydroisocoumarins, Coordination Chemistry, Ionic Liquids – Synthesis, Colloidal and Catalytic Properties, Applications in bi-phasic separation of metal ions and in electrochemistry, Organic synthesis, Novel Coordination complexes – Synthesis, Characterization and Biological activity and applications in luminescence devices, Drug carriers and release systems based on Amphiphilic biodegradable polymers, metal based systems and their utility as metallonucleases, High Performance polymers, Materials for Renewable Energy Resources, Equilibrium Thermodynamics of Non electrolyte solutions

Interaction/Collaboration: Bhabha Atomic Research Centre, BARC, Mumbai, Inter University Consortium, DAE Mumbai, CIPET, Ahmedabad, Atul

Library Resources: Books 7863, Journals/Periodicals- 20

Major Achievements

- About 150 Research papers published (last five years)
- About 25 papers per year presented at National/International Conferences/Symposia
- 70 students awarded PhD Degree (last five years)
- About ₹ 100 lakh received as grant for major research projects (completed and on-going in last five years)
- Hari Om Prerit Bhaikaka Sanman Nidhi Trust Ashram awards for several research papers
- Grants of ₹ 160 lakhs and ₹ 38 lakhs grant have been received from UGC New Delhi, under Centre for Advanced Studies (CAS) and DST-FIST Level II programmes.
- The Department provides Analytical Services to several industries using above sophisticated equipments.

Programme	Duration	Eligibility	Highlights
MSc Chemistry	4 Semesters	BSc/BS Chemistry	Specialization in any of Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Industrial Polymer Chemistry
PhD Chemistry	Minimum 3 years	MSc / MS Chemistry	Different branches of Chemistry as listed above

G H PATEL INSTITUTE OF COMPUTER SCIENCE AND TECHNOLOGY

(DEPARTMENT OF COMPUTER SCIENCE)

Head of the Department: Prof D B Choksi

Phones: (O): 02692 236829, 230389 Ext 207 (R): 02692 237972 **Fax (O):** 02692 236829

E-mail: gdcstspu@yahoo.com

Faculty: Professors: 2, Associate Professors: 3, and Assistant Professors: 6, Technical Assistants: 5

Courses Offered: MCA, PGDCA (PG Diploma in Computer Science and Application), MSc (Bioinformatics), PhD

Major Sophisticated Equipment (Teaching and Research): IBM X-Series 225 Server, Compaq ML530 Server, Compaq Alpha Server DS10, Sun Ultra 10 Server, HP Net Server E60, Compaq ML 330e Server, 180 Workstations.

Operating Systems: Windows Vista, Windows NT 4.0, Windows XP, Windows CE, Windows 98, Windows 2003 Enterprise Edition R2, Windows 2000 Advanced Server, Sun Solaris 8, Tru 64 Unix 5.1a, Red Hat Linux 8.0, 9.0, Novell Netware 5.0, Windows 2000 Professional, Fedora Core 6.0.

Compilers / Packages: C, C++, Java, Visual Studio 6.0, Visual Studio. NET.

Databases: Oracle 10g, Oracle 8i, 9i, My SQL, MS SQL Server, MS Access.

Case Tools: Turbo Analyst, Object Analyst, and Relational Designer.

Web and Multimedia Development Software: Macromedia Studio MX, Macromedia Director 8, Macromedia Authorware 5.1, Macromedia Ultradev 1.0, MS FrontPage, Macro Media Generator 2.0, Internet Developer Suite, 3D Studio MAX, Adobe Photoshop 6.0.

Major Research Activities: Image Processing and Multimedia Techniques for Healthcare, Future Generation Compilers, Knowledge Based Systems for Socio-Economic Development, Automation Software Tools, Software Metrics Methodology, High Performance Computing Applications, CAI Software Packages on Simulation, Word Processing Tool for Multi-user UNIX Platform, Software Solution for Sequencing Problem, Library Software, Computer Aided Learning Package on Rotational Water Supply, Decision Support Systems (DSS), MIS for Several Institutional Databases, Simulation Techniques in Agriculture, ERP Systems.

National / International Linkages: Microsoft Corporation (India), Bhaskaracharya Institute for Space Applications and Geoinformatics (BISAG), Reliance Info Solutions, Vadodara, Patni Computer Systems, Gandhinagar, WIPRO, Ahmedabad, Centre of the International Cooperation for Computerization (CICC), Japan, Association for Overseas Technical Scholarship (AOTS), Japan.

Library Facilities: Books - 5500, Magazines: 17 Journals – 11

Major achievements

- Number of National Awards won - 4
- Conducted 21 Refresher Courses/Training Programmes, Produced 10 PhD

Programme Name	Duration	Intake
Master of Computer Applications (MCA)	6 Semesters	40 Grant-in-Aid and 60 Self Financed
Postgraduate Diploma in Computer Science and Applications (PGDCA)	2 Semesters	30 Grant-in-Aid and 80 Self Financed
MSc (Bioinformatics)	4 Semesters	25 General and 05 Industry Sponsored

PRAMUKHSWAMI INSTITUTE OF ELECTRONICS

(DEPARTMENT OF ELECTRONICS)

Head of the Department: Professor (Dr) B H Patel

Phones: (O) 02692 226861, 02692 226862 (R) 02692 230872 **Fax:** (O) 02692 226861

E-mail: bhp@yahoo.com

Faculty: Professors: 2, Associate Professors: 3, and Assistant Professors: 2 (Senior Scale). Technical Staff: 1 Senior Technical Assistant and 1 Laboratory Assistant

Courses Offered: MSc (Electronics), PhD (Electronics)

Research Facilities and Activities: High Vacuum Coating Units, Electron Beam Evaporation Gun, Digital High Impedance Electrometer, Digital Thickness Monitor, Spectrophotometer, Digital Communication Trainer System, Optical Fiber Trainer System, Microwave bench, 8 Bit and 16 bit Microprocessors Development Systems, Digital signal processing hardware and software, Digital storage oscilloscope and wave form processor, Spectrum Analyzer, Logic State Analyzer, Computers and Software, Programmable Logic Controller, Optical Microscope, Handy Scope, VLSI Design Trainer, Multimedia Projector, Computer Systems (65), Digital Image Processing Hardware and Software (color CCD Camera, Color Frame Grabber Card) Precision LCR Meter (Agilent), Antenna Trainer (Scientific Make), GPS Trainer.

Major Research Activities: Electronic/Semiconducting Materials and Devices, Optical Sensor, Gas Sensor, Thin Film Active and Passive Devices, Sensors and Transducers Interfacing, Electroluminescent (EL) Display Devices, Biosensors and Bio-electronics, Polymer Electronics.

Interactions/Collaborations: Space Application Centre, ISRO, Ahmedabad, Physical Research Laboratory, Ahmedabad, Gujarat Communications and Electronics Ltd. (GCEL) Baroda, Tata Institute of Fundamental Research (TIFR), Bombay, Chip House, Pune, Electronic Research and Development centre, Jammu, HP Electronics, Ahmedabad, Gujarat Narmada Valley Fertilizers Co. Ltd. (GNFC), Bharuch, Power Build Ltd., Vallabh Vidyanagar, Institute of Chemical and Biosensors, Munster, Germany, Henry Hatz Institute of Telecommunications, Berlin, Germany, University of Rostock, Rostock, Germany

Library Facilities: Books-1800, Journals-6, Video Cassettes-85

Major Achievements: Major Research Projects: 5+2 (Ongoing), Minor Research Projects: 12, Research Publications: 26+22 (international), Awards: 6, Foreign Visits: 5, Patent on "A Biosensor for the detection of Lactic acid", By Government of India, New Delhi in 2004.

The Department of Electronics has been assisting the community Radio Station, established by the Sardar Patel University since 2005.

Special Information: Course is recognized and funded by University Grants Commission, New Delhi and Department of Electronics, Government of India, New Delhi and also State Government. The Department of Electronics was recognized by UGC for organization of Refresher Course in Electronics and ISTE for organizing Summer School. At MSc level, there is a compulsory project work along with practical work in all the semesters. The students undergo Industrial Training for project work during the summer vacation, Department has a facility of Air Conditioned Ipcowala Santram Auditorium, Electronics Alumni Association 165 Life Member.

Programme	Duration	Eligibility	Highlights
MSc, Electronics	4 Semesters	BSc/BSc Instrumentation (Vocational) BSc (Electronics and Communication)	Emphasizing Electronic materials, devices and applications,
PhD Electronics	Minimum 6 Semesters	MSc Electronics	Schottky diod, Thin Film, Transistors, Solar cells, Gas Sensors, Strain Gauges, Thermo couples, Biosensors Semiconductors

G H PATEL INSTITUTE OF MATERIALS SCIENCE
(DEPARTMENT OF MATERIALS SCIENCE)
(A UGC CENTRE FOR ADVANCED STUDIES, DST- FIST LEVEL II DEPT
GUJCOST CENTRE OF EXCELLENCE IN NANOMATERIALS)

Head of the Department: Professor L M Manocha

Phones: (O) 02692 226853/235183 (R) 02692 236713 **Fax-** 02692 235183/236475 **E-mail:**
hdmsspu@rediffmail.com, manocha52@rediffmail.com

Faculty: Professors: 2, Associate Professors: 2

Courses Offered: MSc (Materials Science), MSc (Nanoscience and Nanotechnology), PhD (Materials Science), PhD (Materials Technology)

Major Sophisticated Equipments: Hitachi S - 3000N Scanning Electron Microscope; Mettler Thermal Analysis System TA-4000 up to 1000oC and 1600 oC; Instron Universal Testing Machine 5500; Leitz Optical Microscope Metloplan 12POLs; Shimadzu UV-VS 1601 Spectrophotometer; Shimadzu FTIR 8300 Spectrophotometer; Gas Chromatograph Sigma Analytical Instruments; High temperature heat treatment Furnaces (1000oC, 1750oC and 2700oC); Composites fabrication facilities; PS2001 Particle Size Analyzer, Digital Rockwell Hardness Tester (TRSDM), Hydraulic press; AG-204 Mettler Toledo Densitometer; Systronics 128 Flame Photometer; Micromeritics Gemini BET Surface Analysis System; Micromeritics ASAP2020 Surface Area and Porosity Analyzer; Renishaw inVia Raman Microscope; Laboratory scale spray drier; Dynisco Mini mix Extruder; CVD for synthesis of carbon nanotubes (CNT); REMI S-70 Heavy Duty Centrifuged Machine, Keithley Electrical property measurement instruments (Series 6221, 2182A/E, 6517A/E).

Major Research Activities: Carbon nanotubes, metal and ceramic nanoparticles; nanomaterials reinforced composites; High temperature ceramic materials, Carbon fibres, Carbon-Carbon and Ceramic matrix Composites, Composites for Bio-application, Sol Gel Technology, Carbon materials, Porous and Industrial carbons, Smart materials, Nano particle structure, Nanoclays and their composites, Hybrid (oxide-carbide) nanomaterials, Utilization of waste materials, Biomass and fly ash Conducting polymers

Interactions/Collaborations: The institution has established good interaction with various R&D laboratories of Defence eg DRDO Hyderabad, DRDL Hyderabad DMRL, Hyderabad DMSRDE, Kanpur, CSIR labs eg NPL, CSMCRI, CGCRI, IIP, ADA, Bangalore; Science and Technology Departments of IIT- Mumbai, IIT-Delhi, Bhabha Atomic Research Centre, Institute for Plasma research (IPR) Gandhinagar, IPCL Baroda, GSFC, Baroda, Carbon-Ceramic Industries

Scientific Collaboration and Exchange Programmes: Department of Chemical Engineering, Clemson University, USA; Materials and Structure Laboratory, Tokyo Institute of Technology, Japan; Department of Energy and Geo Engineering, Pennsylvania State University, USA; ICSI (CNRS) MULHOUSE, France; Inst Rock Structure and Mechanics Prague; Materials Technology Centre, Southern Illinois University, Carbondale, USA; Institute of Geotechnik, Prague, Republic of Czech; Institute for Advanced Ceramic Manufacturing Technologies, University of Stuttgart, Germany, USA Air Force Research Laboratory, Wright Patterson, USA; University Nuremberg, Germany.

Major Achievements

- Recognized as Centre for Advanced Studies by UGC, New Delhi, Centre for Excellence in Nanoscience and Nanotechnology by GUJCOST, FIST (Level II) from DST, New Delhi. Financial assistance for R&D on strategic materials form various agencies like DST, CSIR, ARDB, AICTE, UGC, DRDO, DMRL, DAE, etc.
- Patented Technologies for Development of carbon and carbon Ceramics composites through self-sinterable powder route

- Develop Technology for Oxidation resistant carbon-carbon composites for Space, Porous carbons for gas adsorption, and carbon–metals complexes for water purification and Ceramic composites for Radomes. Nano clays and their polymer composites, Varieties of Carbon Nanotubes eg Multiwalled and aligned and their composites.

Programme	Duration	Eligibility	Highlights
MSc Materials Science	4 Semesters	BSc/ BS Physics/ Chemistry/ Industrial Chemistry/ Polymer Chemistry	Engineering materials, properties, testing, Fabrication Science and Characterization, nanomaterials, Corrosion and Environment
MSc Nano Science and Nano Technology	4 Semesters	BSc/ BS Physics/ Chemistry	Science of Nanomaterials, properties, testing, fabrication and Characterization
PhD Materials Science	Minimum 3 years	MSc/ MS Materials Science Physics/ Chemistry	Development of bulk and nanomaterials for structural application based on Carbon, Ceramics, polymers and wastes materials utilization
PhD Materials Technology	Minimum 3 years	BE/ ME	Development of bulk and nanomaterials for structural application based on Carbon, Ceramics, polymers and wastes materials utilization

DEPARTMENT OF MATHEMATICS
(A UGC-SAP-DRS, DST-FIST DEPARTMENT, DAE - NBHM REGIONAL LIBRARY)

Head of the Department: Dr A B Patel

Phones: (O) 02692 226869/70 **E-mail:** abp1908@gmail.com

Faculty: Professors: 2, Associate Professor: 5, Assistant Professor: 3

Courses Offered: MSc (Mathematics), MPhil (Mathematics), and PhD (Mathematics)

Major Research Areas: Functional Analysis, Banach and Topological Algebras, Function Algebras and Function Spaces, Operator Theory and Operator Algebras, Noncommutative Geometry, Sequence Spaces, Locally Convex Spaces, Harmonic Analysis on Groups and Semigroups with Weights, General Theory of Relativity and Cosmology, Tribology, Mathematical Modelling

Research Facilities: NBHM Regional Library (around 5000 Books and 50 Journals with back volumes), Internet Connectivity, INFLIBNET access to more than 2000 online journals, Two Photocopying Machines, Computing Laboratory, Two servers, SOUL, TC, MatLab, Mathematica, LaTeX, Six OHPs, Three Telescopes, Mathematical Models, Multimedia Projectors, Slide Projectors

Collaborative Research Programmes/ Linkages

National: IIT (Chennai), IIT (Mumbai), IUCAA (Pune), The MS University of Baroda, Gujarat University, North Bengal University, Saurashtra University, Gujarat College. BV Mahavidyalaya

International: Ecole Norm Sup (Maroc), Fukuoka University Japan, Fukuoka Institute Technology, Japan; Leipzig University, Germany, University of Athens Greece, University of Saarlands Germany, University of Leeds, UK.

Major Achievements

- Specially designed optional courses in: Mathematics Education, Problems and Exercises in Mathematics (for talented students), Financial Mathematics, Research Level Advanced Courses (in Functional Analysis, Banach and Operator Algebras, Geometry, Relativity and Cosmology), Computer Programming in C/C++ with Practical Training, and Mathematics of Theoretical Sciences (Classical Mechanics, Relativity and Cosmology, Quantum Mechanics, Statistical Mechanics and Fluid Dynamics),
- 5 Special Training Programmes for students appearing in CSIR-UGC, National Eligibility Test NET-JRF.
- 20 Conferences/Seminars; and 12 Refresher courses organized
- Around 150 Research Paper published after 2000 in highly reputed journals.
- 18 PhD produced and 24 in progress;
- 60 M Phil produced and 11 in progress
- Awards Won: (a) International: 5; (b) National: 18 Including DAAD, Germany Fellowship; Commonwealth Fellowship, UK; Visiting Fellowships, Japan and South Africa Fellowship; INSA Fellowships, IMS Medal; Ramanujan Prize, Madras University; Hari Ohm Ashram Awards, IUCAA Associates ship
- UGC-SAP-DRS in Functional Analysis, Geometry and Applications
- 6 Books published
- 16 Research projects completed
- More than 50 students having cleared CSIR-NET-JRF/NBHM test
- Provision of Dissertation at MSc
- 15+ Projects by MSc students

Special Information

Weekly Research Seminars, Special efforts for problem solving skills for Mathematics for UGC-CSIR-NET-JRF, Sky Gazing programmes with telescope, Students Seminars, Annual Research Level Conference and Workshops, Preparation of College and School Level Text Books, Mathematical Talent Search Tests Centre of NBHM for MSc/ PhD Fellowship, Popularization of Mathematics, Involvement of faculty in Professional organizations, Preparation of Question-banks, Mathematical e-Groups, Mathematics Association, Awardees of Minaxi Lalit exam collaborative programmes with CC Patel Community Science Centre

Programme	Duration	Eligibility	Highlights
MSc Mathematics	4 Semester	BSc/BS Mathematics	Holistic approach encompassing Pure and Applied Mathematics, Research Level advanced Courses, Wide variety of options, Training on Computer and Problem Solving and Provision for Dissertation Special Training for CSIR-NET-JRF, Project component in MSc
MPhil Mathematics	2 Semester	MSc/MS Mathematics	Research Oriented Advanced and a Dissertation, Special Training for CSIR-NET-JRF
PhD Mathematics	Minimum 3 years	MSc/MS Mathematics	International Level Research in Functional Analysis, Harmonic, Analysis, Relativity and Cosmology, Tribology

G H PATEL INSTITUTE OF HOME SCIENCE

(DEPARTMENT OF HOME SCIENCE)

Head of the Department: Prof (Mrs) Rema Subhash

Phone: (O) 02692 226877

E-mail: remasubhash@yahoo.com, remahomesc@yahoo.co.in

Faculty: Professor -1, Associate Professor-1, Assistant Professors-4, Technical staff -2

Courses Offered:

MSc: (Grant-in-Aid), Foods and Nutrition, General Home Science, MSc (Self Financed), Family Resource Management, Food Biotechnology, Human Development, Textiles and Clothing, Foods and Nutrition, PhD, Foods and Nutrition, Food Biotechnology, Textiles and Clothing, Diploma Programmes, PG Diploma in Food Designing and Quality Assurance, PG Diploma in Nutrigenomics, MSc Course revised in July 2010 to start CBCS MSc Course revised in 2011 to start specialization under FN and FBT, MSc (Foods and Nutrition- Nutrigenomics), MSc (Foods and Nutrition- Food Designing and Quality Assurance), MSc (Food Biotechnology, Nutrigenomics), MSc (Food Biotechnology, Food Designing and Quality Assurance)

Research Facilities and Activities/Major Sophisticated Equipments:

Gel-Doc, HPLC, Auto analyser for blood chemistry, UV-VIS spectrophotometer (HITACHI, Japan), Spectrofluorimeter, Refrigerated Incubator Shaker (New Brunswick, USA), Food texture analyser, Digital spectrophotometer (Systronic), BOD Incubator, Transilluminator (Biotech), High-speed Refrigerated Microcentrifuge (Sigma), High-speed cooling centrifuge with speed controller (REMI), Viscometer, Polarimeter, Thermal Cycler, Fermentor (New Brunswick, USA), Tensile Tester (Surya), Computers, Dress forms (Dummies), Twist Tester (Hand operated), Tearing Strength Tester (Surya), Padding mangle, Hand Operated

Major Research Activities:

FOODS AND NUTRITION: Generating a database for antioxidant properties of various Indian foods, Studying the effect of herbal plants on gene expression under fructose induced diabetic condition, Evaluation of antioxidant potential of selected plant based foods using animal and human models, Evaluation of antioxidant potential of natural food products to prevent oxidation in fats and oils during frying, Probiotic and symbiotic food product development, Nutraceuticals, Organic foods, Adolescent Obesity, Prevalence of iodine deficiency in the local community, Long-term Effect of deficient and excess calcium on bone mineral status, Osteoporosis prevalence in the local community of Anand and VV Nagar, Functional foods for preventive health, Screening of SNP's in obese people

FOOD BIOTECHNOLOGY: Tempeh: traditionally soya-based, to be prepared from other low-cost cereals, pulses, millets and their combination, Bioprocessing (Germination and Fermentation) of various agricultural produce to enhance their functional and nutraceutical properties, Production of Lactic acid using agricultural wastes, Detection of food borne pathogens from different food samples by DNA based molecular methods, Molecular analysis of probiotic strains, Yoghurt and other dairy preparations and their evaluations, Immobilization technique for enhancing probiotic activity, Food Matrix immobilization techniques for enhancing probiotic activity.

FAMILY RESOURCE MANAGEMENT: Ergonomic assessment of Agricultural Tools and Occupational personnel's postures, income generating activities among women, Energy consumption and conservation, Consumer Awareness Enhancement (consumer clubs, children as consumer), Communication pattern and effectiveness in housekeeping organizations, Managerial practices of various groups of women, Decision making ability and its enhancement in adolescent girls, Environment awareness Enhancement, Saving pattern of Women Entrepreneurs, Interior Space Design and Awareness

TEXTILES AND CLOTHING: Combination studies, applique work and fabric painting, Phulkari embroidery and tie and dye, Banarasi textiles and Indo-western outfits, Chinkari and tie and dye, Stencil printing and zari work, Chamba embroidery with bead work, Batik on leather, Clothing consumption practices, Traditional clothing, textiles and embroidery, Contemporary wear, Clothing for special needs

HUMAN DEVELOPMENT: Reproductive health of adolescents of media pre-school and school going children, Fast Food consumption pattern of school going children, Personality differences among Gujarati and English medium students, Opinion of adolescent girls and boys towards mate selection,

Interaction/Collaboration: Industrial training in Food Processing Institutes eg Amul, Windsor Biscuits etc, House-keeping aspects of Hotel Industries, Training in Textile Industries eg ATIRA, Old age homes etc.

Library Facilities: Books: 1782, Journals: 15

Major Achievements: The department received grants from UGC which benefited in the development of the Department these includes:

- The department received **20.00 lakh** under **NON SAP infrastructure** grant in 2008-09 and 2009-10. Under this, it also received **four** meritorious student fellowships.
- The department received **58.00 lakh** under the **UGC-Innovative Programme** to start a PG Diploma in Nutrigenomics in the year 2009 for a period of five years (2010-2015).
- The department received **39.50 lakh** from the **Government of Gujarat (Innovative Programme)** start Diploma in Food Designing and Quality Assurance in the year 2009.
- The Department is now identified as **SAP** for this, it received **75.00 lakh** under **DRS-I** in the year 2010 for five years (2010-15).
- **DBT**, New Delhi offered grants to start MSc programmes in the field of Food Biotechnology in 1998.
- Various training programmes for the community organized regularly.
- Consultancy offered to various organization such as AIIMS, New Delhi, AMUL, Berger paints, SPRERI, Sanskar Balwadi, etc.
- Awarded the Women's Studies Centre from UGC since 2004.

Programme	Duration	Eligibility	Highlights
MSc (Foods and Nutrition)	4 Semesters	BSc (Home Science) with FN/ FSQC / Public Health Nutrition / Dietetics/ Biochemistry/ Microbiology/ Industrial Microbiology/ Horticulture/Food Science/ Food Technology/ Dairy Science or BTech in Dairy Technology/Medical Laboratory Technology/ Bioinformatics/Botany/ Zoology/ Biotechnology/Agriculture or BSc (Honours) with Home Science with special papers in Foods and Nutrition or any other examination recognized under (10+2+3system).	Food Chemistry, Food Analysis, Food Processing, Food Quality Assurance, Human Genetics, Physiology and Clinical Biochemistry, Community Nutrition, Therapeutic Diet etc.
MSc (General)	4 Semesters	BSc with General Home Science/FN/FSQC/FRM/RM/HD/CD/TC / MSc (Agriculture with Home Science) or any other equivalent recognized examination.	Foods and Nutrition, Human Development, Family Resource Management, Textiles and Clothing etc.

MSc (Food Biotechnology)	4 Semesters	BSc (Home Science) with FN/ FSQC / Public Health Nutrition / Dietetics/ Biochemistry/ Microbiology/ Industrial Microbiology/ Horticulture/Food Science/ Food Technology/ Dairy Science or BTech in Dairy Technology/Medical Laboratory Technology/ Bioinformatics/Botany/ Zoology/ Biotechnology/Agriculture/ BSc (Honours) with Home Science with special papers in Foods and Nutrition or any other examination recognized under (10+2+3system).	Cell and Molecular Biology, R-DNA Technology, Nutritional Biotechnology, Human Genetics, Microbial Biotechnology etc.
MSc (Human Development)	4 Semesters	BSc (Home Science) with Child Development/ Human Development/General Home /BSc (Agriculture with Home Science)/ PG Diploma in Early Childhood Education / PG Diploma in Special Education or any other equivalent recognized examination.	Early Childhood Care and Education, Growth and Development, Counselling, Advance Studies in Human Development etc.
MSc (Textiles and Clothing)	4 Semesters	BSc (Home Science) with Textiles and Clothing/General / BSc (Home Economics) / BSc (Agriculture with Home Science) / PG Diploma in Fashion Designing / any other equivalent recognized examination.	Garment Industry, Fashion Technology, Historic Textiles, Textiles Chemistry, Dyeing and Printing etc.
MSc (Family Resource Management)	4 Semesters	BSc(Home Science) with Family Resource Management/ Resource Management/General /BSc (Home Economics) / BSc (Agriculture with Home Science) / Graduate Degree with Hotel Management/Hospitality Management/Housekeeping or PG Diploma in Interior Decoration or any other equivalent recognized examination.	Consumer Education, Interior Design, Ergonomics, Fuel Technology etc.
PhD (Foods & Nutrition, Food Biotechnology, Textiles and Clothing)	3 year for full time and 4 years for part time	PhD admissions process includes an entrance exam conducted twice in a year by Sardar Patel University. Students with MSc (Minimum 55%) in respective subjects are eligible to appear for the entrance examination.	---

DEPARTMENT OF PHYSICS

(A UGC-SAP, DST-FIST DEPARTMENT)

Head of the Department: Dr A R Jani

Phone: (O) 02692 226843 (R) 02692 245095

E-Mail: janiar@rediffmail.com, janiar51@yahoo.co.in

Faculty: Professors: 8, Associate Professors: 4, Assistant Professor: 1

Courses Offered: MSc with Solid State Physics, Solid State Electronics, Theoretical and Computational Physics, Energy Science; MPhil, PhD in different fields of theoretical/experimental Physics

Research Facilities and Major Sophisticated Equipments: Crystal Growth systems Bridgman, flux, solution and vapour phase, High-Vacuum Coating Unit, Hall measurement system (with low temperature facility-Lakeshore), Lipholizer, X-ray generators, Refrigerated microprocessor controlled centrifuge, High temperature furnaces (AGNI), optical microscope (Carl Zeiss), High Pressure system (Bridgman anvil and diamond anvil) with UV_VIS_NIR Imaging Spectrophotometer, LCR meter, etc.

Major Research Activities: Crystal Growth and Characterization, Thin film preparation and device fabrication, Nanoparticle studies, Photovoltaic and other Electronic Applications; X-ray crystallography of bio-molecules, High Pressure studies on crystals, Low Dimensional conductors; theory of Condensed-Matter systems, Atomic and Molecular Collisions and ionization, Hadron Physics heavy flavour baryons-mesons

Academic linkages/ Collaborations: Interactive collaboration with research Institutes Professional Organization in India and abroad, including joint publications; Research consultancy and characterization measurement facilities and sophisticated instruments in the Department available to the neighbouring colleges/ institutions, industries and to other users in Gujarat and all over India

Library Facilities: Books- more than 2500, Journals about 5, many more available online

Major Achievements: In the area of Crystal Growth and Characterization: (a) doped and undoped ABO type compounds of ferroelectric and laser class were studied using flux method and gel techniques (b) Almost all transition metal dichalcogenides ie MX₂ (M= Metal, X= Chalcogen) have been synthesized by vapour phase technique, characterized thoroughly and used in the fabrication of liquid junction solar cells as well their potential for MOSFET development is investigated using ohmic as well as Schottky contacts (c) Biologically important molecules belonging to Pyrido [2, 3-d] Pyrimidine family and Pyrrolo-Pyrimidine family and synthesized by solution method and their three dimensional structure are solved successfully (d) Successful theoretical models developed Condensed-Matter systems Atomic-Molecular collision and ionization, Hadron Physics heavy flavour baryons-mesons. Well-recognized Department in teaching, research and out-reach (educational extension) programmes. There are successfully publications published in National and International Journal of repute.

Special Information: The Department has been recognized under DRS-SAP (Phase III) and COSIST programmes of the UGC in the area of Condensed Matter Physics. The Department has also been sponsored under the FIST Programme by the DST recently. Several other research projects are going on under various funding agencies like DAE-BRNS, ISRO etc MSc MPhil, PhD students are sent to national laboratories and institutions for their (MSc) summer programmes, research work, conferences, and collaborations.

Programme	Duration	Eligibility	Highlights
MSc Physics	4 Semesters	BSc/BSc Physics	Solid state Physics/ Electronics, Theoretical and Computational Physics
PhD Physics	Minimum 3 Year	MSc/MS Physics	Crystal Growth, Thin film Growth, Electronics Applications, Nano-particles, Condensed matter theory, X-Ray Crystallography, Atomic-Molecular Physics, Hadron Physics

DEPARTMENT OF STATISTICS

(A UGC–SAP, DST-FIST Department)

Head of the Department: Professor P A Patel

Phones: (O) 02692 226871/226881

E-mail: patelpraful_a@yahoo.co.in

Faculty: Professor: 1, Associate Professors: 3, Assistant Professor: 1, Technical Staff: 1

Courses Offered: MSc, MPhil (Full/Part Time), PhD (Full/Part Time), Master in Quality and Productivity Management (MQPM), Certificate Course in SPSS, Certificate Course in Biostatistics, Certificate Course in Financial Statistics **Specializations:** (i) Biostatistics (ii) Financial Statistics

Major Research Areas: Statistical Inference, Survey Sampling Inference, Design of Experiments, Operations Research, Reliability and Survival Analysis, Statistical Quality Control, Biostatistics, Statistical Computing.

Interaction/Collaborations: Muljibhai Patel Institute of Urology, Nadiad; Span Diagonestics Ltd, Sachin, Surat, Pramukh Swami Medical College Karamsad.

Infrastructure: Computer Laboratory: (a) Prof S M Shah Computer Laboratory (b) DST-FIST Computer Laboratory (c) BSR Computer Laboratory (d) Department has library of software like SYSTAT, SPSS, and MATLAB

Department Library: 19 E-journals and several books.

Teaching aids: Projector, Multimedia CDs and Multimedia Projector and Photocopier.

Major Achievements

- Devotion and involvement by the entire faculty, since its inception, has given a distinct identity to the department in the whole of western region.
- Faculty members of the department have published papers in reputed National and International Journals.
- Won research awards 12 times as the best research paper of the year.
- Produced 26 PhD (Theoretical research).

Programme	Duration	Eligibility	Highlights
MSc Statistics	4 semesters	BSc Statistics, BSc Mathematics with subsidiary Statistics BSc General with Statistics	Specializations in (i) Financial Statistics (ii) Bio-statistics Compulsory Project work
MQPM	4 semesters	Any graduate with one course on Statistics/ Mathematics	UGC supported Innovative Job oriented course
Certificate Course in SPSS	60 hours of teaching	Any graduate with basic knowledge of Computer, Statistics	Useful for any research organizations
Certificate Course in Biostatistics	Six months	BSc in Statistics/BSc in Mathematics with subsidiary Statistics	Useful for Pharmaceutical/ Medical/ Diagnostic Industries
Certificate Course in Financial Statistics	Six months	BSc in Statistics/BSc in Mathematics with subsidiary Statistics	Useful for Banking, Insurance, and other financial sectors

Programme	Duration	Eligibility	Highlights
MPhil Statistics	1 Year full time 2 Years part-time	MSc in Statistics with 55% marks.	Advance level three courses plus dissertation.
PhD Statistics	3 Years full time 4 Years part time	MSc in Statistics with 50% marks	Statistical Inference, Survey Sampling Inference, Design of Experiments, Statistical Quality Control, Bio- stat, Medical Stat, Statistical Computing

DEPARTMENT OF GUJARATI

Head of the Department: Prof B R Brahmbhatt

Phone: (O) 02692 226833 **Fax:** (O) 237258, 236475

E-mail: brbrahmbhatt@gmail.com

Faculty: Professors: 3, Associate Professors: 3.

Courses Offered: MA, MPhil, PhD (Gujarati Language and Literature with particular fields viz, Comparative Literature and Sociology of Literature and stylistics), MA External.

Major Research Activities

- Folklore/social dylut/ Motif study

Library Facilities: Books: 4000, Journals: 16

Major Achievements

- The Department is associated with the production of Knowledge Base being produced by Resource Centre for ILT Solutions for Gujarati at the MS University of Baroda.
- Its thrust areas are Translation and Bibliography of Gujarati Journals.

Programme Name	Duration	Eligibility
MA Regular	4 Semesters	BA Gujarati
MA External	2 Years	BA Gujarati
MPhil	2 Semesters	MA Gujarati
PhD	Minimum 3 Years	MA Gujarati

DEPARTMENT OF HINDI

Head of the Department: Professor (Dr) N K Chauhan

Phone: (O) 02692 226827 (R) 02692 245888

Faculty: Professors: 3, Associate Professors: 3, and Senior Assistant Professor: 1

Technical Staff: 1 Drama Instructor, 1 Clerical Staff, and 1 Technician

Courses Offered: MA, MPhil, PhD (Medieval Literature, Comparative Literature, Drama and Dramaturgy, Modern Hindi Literature), PG Diploma in Drama and Dramatics (Hindi), PG Diploma in Functional Hindi, MA External

Major Research Activities: Drama and Dramaturgy, Linguistics and Stylistics, Comparative Literature, Audio-Visual Mediums

Research Facilities: Library Books 5644, Language Laboratory, and Audio-Visual Equipments

Special Information

- Since 1985-86, Department has been granted SAP-DSA programme of UGC. It has completed three phases on the thrust areas of Linguistics, Dramatics and Comparative Literature. At present Audio Visual Medium is the main thrust area of DRS- phase, running since April 2002 under IV phase of SAP. Various projects have been completed in the different phases.
- Department of Hindi has seventeen publications under the DSA programme.
- Thrust area oriented course has been introduced at PG level.
- Degree and Diploma courses are run in the department including MA (Hindi), MPhil (Hindi), PG Diploma in Hindi Drama and Dramatics, PG Diploma in Functional Hindi. A Six months Certificate course is being launched in the department since July 2004 for Film and TV Acting.
- Department has successfully organized Twenty Refresher Courses in Hindi for the teacher of west zone.
- Department's one of the major achievements is Repertory granted by the UGC under SAP-DRS programme. Repertory artists have been performing street plays in the several parts of the state for public awareness and social awareness addressing the various burning problems. During the last two years, repertory has performed around 375 plays in the state of Gujarat, particularly in the rural areas of the state.
- Department has been active in spreading the National Language Hindi through theatrical activities by playing Hindi plays from time to time by organizing Drama Workshops for the students of department as well as colleges.
- Every year, Seminars, and workshops are organized by the department under DSA-SAP and some time with the collaboration of other academic agencies.
- Department is focusing upon the studies and research works of audio-visual media.
- Most of the UGC guided syllabi have been incorporated by the department for studies of latest equipments under DSA-DRS and under self-financed scheme.

Programme	Duration	Eligibility
MA Regular	4 Semesters	BA Hindi
MA External	2 Years	BA Hindi
MPhil	1 Year	MA Hindi
PhD	Minimum 3 Years	MA Hindi
PG Diploma in Drama and Dramatics (Hindi)	1 Year	--
PG Diploma in Functional Hindi	1 Year	--
Certificate Course on Film and TV Acting	6 Months	--

DEPARTMENT OF SANSKRIT

Head of the Department: Professor (Dr) A I Thakor

Phone: (O) 02692 226828 (R) 02692 246643

Faculty: Professor: 1, Associate Professors: 2

Courses Offered: MA, MPhil, PhD (Alankara and Vedanta), Certificate Course of Simple Sanskrit Speaking, MA External.

Major Research Activities: Sanskrit Prahasan, Vastushastra, Sanskrit Poetics and Manuscript Cataloguing

Library Facilities: Cassettes and Records in Sanskrit

Major Achievements

- Katha Foundation National Award, New Delhi: 01
- National Dalit Sahitya Academy National Fellowship: 01
- Gujarat State Sanskrit Sahitya Academy Gaurav Award: 01
- Books Published: 26
- Gujarat State Sanskrit Sahitya Academy Award for the best book of the year: 01
- Hari Om Awards for the best research papers of the year: 11
- Umashankar Joshi Varta Paritoshik: 01
- National Seminar/ Conference: 05
- Refresher Course: 01
- The Department is the first in Gujarat and second in India to introduce Modern Sanskrit, which includes History of Modern Sanskrit Literature and Modern Sanskrit Plays as well as Poetry to promote an interdisciplinary approach.
- The Department has also introduced Arthashastra of Kautilya. Thus, the Department has included in its courses social, political, legal, economic thoughts in ancient Indian tradition.
- In order to introduce traditional textual criticism, we have introduced Sanjivani-tika of Mallinath on Meghadut.
- The Department has completed a Project of cataloguing manuscripts of University Museum, Sardar Patel University, with financial assistance provided by National Archives, Delhi. The outcome of the project has been published under the sponsorship of National Archives as "Descriptive Catalogue of Sanskrit Manuscripts".

Programme	Duration	Eligibility
MA Regular	4 Semesters	BA Sanskrit
MA External	2 Years	BA Sanskrit
M Phil	2 Semesters	MA Sanskrit
PhD	Minimum 3Years	MA Sanskrit
Certificate Course of Advance Studies in Sanskrit for foreign students.	--	--

DEPARTMENT OF ENGLISH (A UGC-SAP DEPARTMENT)

Head of the Department: Professor (Dr) J H Khan.

Phone: (O): 02692 226829; (R): 02692 232855

Fax: (O): 02692 226842/236475. **E-mail:** engspu@gmail.com

Faculty: Professor: 1 (CAS), Associate Professor: 1, Senior Assistant Professor: 1, and Contractual Adyapak Sahayak: 1 (up to 29 Feb 2012).

Courses Offered: MA, MPhil, PhD; English Literature, American Literature, Indian Writing in English, Linguistics and Stylistics, English Language Teaching in Higher Education, Applied Linguistics, MA (External)

Research Facilities: Library of Sound, Language Laboratory, Computer Laboratory, Recording Studio

Major Research Activities: Comparative Literature, Literary Theories: East and West, Indian Literatures in Translation, English Language Teaching in Higher Education, and Applied Linguistics.

Departmental Library: Books 3500, 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

Major Achievements

- Major UGC Project SAP (Phase – I): Community, Culture and Ideology in Post-1970s Gujarati, Hindi and English Literature (Phase – II) (on going): Social Change in Post-1970s Novel and Play in
- Assisted the preparation of Encyclopedia of Hindustan, Encyclopedia of Poetics of Indian Languages by Sahitya Academic, New Delhi.
- Organized 7 Workshops, 8 National Seminars, and 5 State Level Seminars so far.
- Organized 1 National Conference (AIETC), 3 Summer Institutes, and 5 Refresher Courses in English so far.
- Offer a variety of choices in areas of specialization such as British Literature, American Literature, Canadian Literature, Indian Literature in English, Translation Studies, Applied Linguistics including English Language Teaching in Higher Education.
- Involved in Materials Production for Secondary, Higher Secondary and Undergraduate Levels, and Research in Contemporary Literature in collaboration with other national and international agencies like the British Council, SICI, and the USIS.
- Produced two highly successful texts titled Stories for India (Macmillan India) and Advanced English for Non-Native Learners (Oxford University Press).
- Engaged in explorations into Indian Culture as reflected in the Post-Seventies Indian Literatures in extension of a Seminar organized for and on behalf of the Sahitya Academy, New Delhi in 1995.

Programme	Duration	Eligibility	Highlights
MA	4 Semesters	BA English	English Literature, American Literature, Indian Writing in English, Modern English Language and Linguistics, English Language Teaching Higher Education and New Literatures
MA External	2 Years	BA English	English Literature, American Literature, Indian Writing in English, Modern English Language and Linguistics, English Language Teaching Higher Education and New Literatures
MPhil	2 Semesters	MA English	English Literature, Literature criticism, Literary Form, Applied Linguistics
PhD	Minimum 3 Years	MA English	Comparative Literature, Literary Theories: East and West, Indian Literatures in Translation, Contemporary English Literature and Applied Linguistics
Advanced Certificate Course in Communication Skill in English	3 Months	10+2	---
PG Diploma in Teaching of English	1 Year	MA	---
PG Diploma in Translation in Studies	1 Year	Any Degree (BA Eng)	---

DEPARTMENT OF EDUCATION

Head of the Department: Prof M K Yagnik

Phone: (O) 02692 226838 (R) 229458 (M) 9374688594

Faculty: Professor: 1, Associate Professors: 3, Senior Assistant Professors: 2

Courses Offered: (1) MEd (2) PhD (Philosophy of Education, Educational Management, Teacher Education) (3) Diploma in Guidance and Counseling

Major Research Activities: Collaborative Learning: Philosophy of Education: and Self-Directed Learning: Psychological Testing and Emotional Intelligence. Major Research Projects financed by UGC

Major Achievements

- Besides running MEd and PhD Programmes in Education, the Faculty Members render services in extension activities.
- Supervised research leading to PhD in Education of about 15 student teachers from Thailand and 1 from the USA successfully.
- A member of the faculty has published 4 books.
- A member of the faculty has served on five inspection committees of the NCTE.
- A group of students from Thailand donated a sum of ₹ 60,000 to the University for the Purchase of computer.
- The faculty is also engaged in construction and standardization of tools for psychological testing.
- The Department publishes a University Journal of Education and Psychology, which has national and international subscribers.

Programme	Duration	Eligibility
MEd	1 Year	BEd English
PhD	3 Years	Master's Degree in Education
MPhil (Proposed)	2 Years (Part time)	Postgraduate in Education
Diploma in Guidance and Counseling	1 Year	Graduate with second class

H M PATEL INSTITUTE OF RURAL DEVELOPMENT

(DEPARTMENT OF ECONOMICS)

Head of the Department: Professor (Dr) H P Trivedi

Phone: (O) 02692 232208 (R) 02692 239554

Faculty: Professors: 2, Associate Professors: 2, Assistant Professors: 2

Courses Offered: MA, MPhil, PhD, MA External

Major Research Activities: The Department has been giving rural bias to its programmes of teaching, research, and extension for the academic activities in the thrust areas of agricultural economics, rural development, and environmental economics. The Department has received recognition and financial support from University Grants Commission under SAP and ASIHSS programmes. It has collaboration with two of its associate institutions, viz, Agro Economic Research Centre for Gujarat and Rajasthan (AERC) and Comprehensive Scheme for Cost of Cultivation of Principal Crops (CCS). AERC Vallabh Vidyanagar is one of the 12 such centres in the country and conducts policy-influencing research on behalf of the Ministry of Agriculture, Government of India (GOI). Useful information generated by the CCS is also used by the in fixing support prices of important crops. Dr P K Singh is guiding both AERC and CCS as Honorary Director. An extension wing has also been proposed for the Department.

Major Achievements

- Completed 82 research projects in different areas.
- Provide honorary consultancy services to the Agro-Economic Research Centre, Vallabh Vidyanagar.
- 102 research studies in the area of agricultural economics completed in the Agro-Economic Research Centre.
- 44 PhDs produced so far.
- Publishes *Artha Vikas*, a Journal of Economic Development since 1966.
- Completed successfully two phases of Special Assistance Programme (SAP) sanctioned by the University Grants Commission.
- Completed 25 Working Papers during the eight-year period under the Phase II and III of SAP, and organized 5 important seminars during these phases.
- Organized 26 Seminars/Conferences, in association with the Agro-Economic Research Centre thus far, on the thrust areas of agricultural economics, rural development and environmental economics, which proved to be useful for policy-making at the Central and State levels.
- Organized 4 Refresher Courses in the thrust areas of agricultural economics and rural development.
- Members of the faculty have received recognition at the state and national levels.

Programme	Duration	Eligibility
MA Regular	4 Semesters	BA/BCom/ BBA
MA External	2 Years	BA/BCom/ BBA
MPhil	1 Year	MA Economics
PhD	3 Years	MA Economics

DEPARTMENT OF POLITICAL SCIENCE
(CENTRE OF EXCELLENCE, GOVERNMENT OF GUJARAT)

Head of the Department: Dr B B Agja (I/c Head)

Phone: (O) 02692 226840 (R) 02692 237599 (M) 9825378386

Faculty: Associate Professors: 2, Assistant Professors: 2

Courses Offered: MA, MPhil, and PhD (Panchayati Raj Local Self Government in India, International Relations Studies, India's Freedom Struggle and Politics in India, Indian Political Thought).

Major Research Activities: Local Self Government and Rural Development Administration, International Relations, Indian Politics, Electoral Politics.

Library Facilities: Books are housed in the Central Library

Major Achievements

- This Department has been the first in the State of Gujarat to frame and implement a Model Curriculum of Political Science on the bases of the recommendation of the Rana Committee Report commissioned by the UGC.
- Again, this is the only post-graduate Department in Gujarat to have successfully introduced innovative, multi-disciplinary course papers of very high contemporary relevance in the Master's Level Curriculum. These include : Research Methodology, Political Sociology, Politics in Gujarat State and Post-Cold War World Order Studies.
- The Department has achieved breakthrough in areas such as Indian Political Thought, Local Self Government, India's Freedom Struggle, Politics in India and International Relations.

Special Information: The Government of Gujarat has awarded Department the status of a Centre of Excellence and commissioned it to study "Value based Politics".

Programme	Duration	Eligibility
MA	2 Years	BA Political Science
MPhil	1 Year	MA Political Science
PhD	Minimum 3 Years	MA Political Science

DEPARTMENT OF HISTORY

Head of the Department: Professor (Dr) J M Pandya

Phone: (O) 02692 226834 (R) 02692 233962 (M) 9978341585

Faculty: 1 Professor, 1 Associate Professor, and 2 Assistant Professors

Courses Offered: MA, PhD, MA External

Major Research Activities: Ancient Indian History, Socio-Religious History (Modern Period), Regional and Local History (Modern Period), History of Freedom Movement and Gandhian Studies, Theoretical Archaeology and History and Literature

Research Facilities: History Laboratory

Major Achievements

- Organized 2 State Level Seminars sponsored by UGC in the IX Plan period.
- Participation and paper presentation by members of the faculty in various national and state level seminars
- Publications include numerous articles published in local journals, a book based on the doctoral research and 2 translations besides a manuscript of a book submitted for publication.
- Conducting workshop for secondary school teachers in tribal areas of Gujarat.
- Provided training for research in local history to desiring students in addition to their regular study.

Programme	Duration	Eligibility
MA Regular	4 semesters	BA History
MA External	2 Years	BA History
PhD	Minimum 3 Years	MA History

DEPARTMENT OF PSYCHOLOGY

Head of the Department: Dr S J Patel (I/C Head)

Phone: (O) 02692 226882 (R) 02692 246603

Faculty: 1 Professor, 2 Associate Professors, and 2 Assistant Professors

Courses Offered: MA, MPhil, and PhD (Clinical Psychology and Organization Psychopathology)

Major Research Activities: Marriage and Sex, Organization Behavior, Mental Health, Counseling

Major Achievements

- Organized 5 Workshops, National/ State/ Region level seminars
- Organized 4 Refresher Courses
- Completed 2 major and 4 minor research projects
- On-going 1 major and 1 minor research projects
- Awarded 21 PhD and 14 MPhil.

Programme Name	Duration	Eligibility
MA	2 Years	BA Psychology
MPhil	1 Year	MA Psychology
PhD	Minimum 3 Years	MA Psychology

DEPARTMENT OF SOCIOLOGY

Head of the Department: Dr J M Trivedi

Phone: (O) 02692 226826 (M) 9427549369

Faculty: 2 Professors, 3 Associate Professors, and 2 Assistant Professors

Courses Offered: MA, MPhil, PhD, MA External

Major Research Activities: Policy Research, Women's Studies, Migration, Industrial Relations, and Weaker Sections

Library Facilities: Library Books: 260

Major Achievements: The Department of Sociology has rich experience of research. The members of the faculty have completed 31 research projects in all sponsored by UGC, Government of India, Government of Gujarat, and Sardar Patel University. 4 Candidates have cleared NET. UGC has granted "The Centre for Indian Diaspora", 3 National seminars, 5 Refresher courses have organized by Department

Programme Name	Duration	Eligibility
MA Regular	4 Semesters	BA Sociology
MA External	2 Years	BA Sociology
MPhil	2 Semesters	MA Sociology
PhD	Minimum 3 Years	MA Sociology

**Smt S J Patel and Smt K K Patel Department of Social Work
(MSW)
(DEPARTMENT OF SOCIAL WORK)**

Head of the Department: Dr (Ms) Shivani Mishra.

Phone: (O) 02692 231231, **E-mail:-** dswspuvvn@gmail.com

Faculty: 2 Assistant Professors and 1 Placement Officer cum field supervisor, 7 Assistant Professors on consolidated Payment.

Courses Offered: Masters in Social Work (MSW) – Full Time, Generic Course, Masers of Human Resource Management (MHRM) – Full time, MPhil: Full time Course, PhD: Full Time and Part Time Course.

Mission and Vision of Department:

VISION: Excel in the field of social work through the development and application of knowledge towards creating people cantered society that promotes and protects the dignity, equality and social justice and human rights for all.

MISSION: To develop a cadre of component and committed Professionals, who will be sensitive to the emerging needs and challenges at local, regional, national and international level through innovative teaching and learning, quality research outreach programs.

FEATURES OF THE DEPARTMENT: Group discussion among the colleagues and teachers, Challenging Assignments, Case Study, and Role playing, Guest lectures, Seminars/Workshops/ Training, Skit Presentation, Juxtaposing, Supervisory Conferences, Research Dissertation, NGO meets, Alumni meet, HR Convention/Summit, Rural Camp, Study Tour, Exposure Visit/Corporate Visit.

Major Research Activities:

(A) Students engaged in: In house training through various organisations, Collaborative research work with NGO, Industry and Hospital Settings. The research project at the Master level of the students gives the opportunity to plan and conduct original investigation in an area of study with the guidance of faculty members of the Department,

(B) Faculty engaged in: Work in minor and major Research Project funded by UGC and Sardar Patel University, Publishing Research Papers/ Projects, Books, Articles in reputed journals, participating in National International Seminar/Workshops/Conferences/Conclave, Continuously and actively participated in Training Programme in Social work research training, Worked as Resources Person in many reputed organisation.

Skill Based Training Programme: Field Training, Study Tour and rural Camp, Block/Summer Placement, Continual learning with Professional training, exposure visit and orientation programmes, student's seminars, workshops, training programmes and symposia.

FACILITY:

Library Facilities: The Department has 2525 books, 30 journals, 4 different types of news paper and 3043 Dissertations. The Library is fully computerized and renders bar-coded services. There are books from internationally renowned authors as well as different referrals and magazines housed in the library. Implementing the Selective Dissemination of Information System, the library offers excellent support to students to prepare their assignments and project reports.

Audio-Visual Facilities: The Department is fully equipped with audio-visual equipment to provide multimedia learning experience. In addition to this, the Department has its own Multimedia –LCD for the purpose of interactive teaching, a TV and a VCR for effective mass communication during field work.

Conference Room: The Department of Social Work along with the audio visual aids also has a well equipped conference room, for student and faculty.

Facilities for Faculty: The Department has computer and Internet facilities so that Faculty can access the same, and also provision of separate offices to all the faculty members, with supportive stationery.

Major Achievements: 70% of our students have secured suitable placements in industries namely Apollo Tyres, IDMC, Reliance, Jhaveri Securities etc Government and NGO like UNICEF, GSDMA etc, Hospitals, like Karamsad Eye Hospital, Teaching and Research institutions since 1999, Department has also started consultancy work with industry and NGO, Department has also done MoU for field work, Research and Training Programs.

Program	Duration	Eligibility
Masters in Social Work (MSW)	4 Semesters	Any Graduate with 45% Marks
Masters of Human Resource Management	4 Semesters	Any Graduate with 50% Marks
MPhil	2 Semesters	Graduate in Social Work
PhD	Part Time and Full Time	Postgraduate in Social Work and Related Discipline.

DEPARTMENT OF BUSINESS STUDIES

(A UGC- SAP Department)

Head of the Department: Prof Dr P K Rathod, MCom, MPhil, PhD, FDPM-IIM-Ahmedabad
Coordinator, UGC-SAP

Phone : (O) 02692 226872/226873 (R) 02692 261007 (M) 9879278450

Faculty: 03 Professors, 02 Associate Professors, 03 Assistant Professors

Innovative Practices:

- Students' Seminar – Goods and Service Tax and Direct Tax Code
- Motivating students to write a conference/seminar papers
- Students are participating in UGC-SAP National Seminar
- Faculty members participated in FDP in Management, IIM-Ahmedabad
- Workshops on UGC NET/SLET
- “Skill-Will” Programme (Course Paper) – Communication skills, soft-skills, job-skills and presentation skills
- Career Planning (Course Paper)

Research Activities:

- Research Projects: Major Completed – 05 and 4 are ongoing; and Minor Completed – 19 and 1 is ongoing.
- Produced: 93 PhD and 217 MPhil in the areas mainly F & A, Management, HRM
- Publications: 64 Books and Large number of Papers by Faculty Members
- Awards: 2 National Levels
- Seminars Organised: 21
- Workshops Organised: 02
- Refresher Course Organised: 05
- UGC – SAP DRS (Phase – I): First and only Department of Commerce in Western India for the 5 years from 01.04.2007 to 31.03.2012

Interaction/Collaboration:

Industry-Department – Linkages Activities of current collaboration, Curriculum Development, Course Project Work, Seminar/Symposia Sponsorship, Communication Skills Development Scheme, Teaching/Training (Visiting Guest Faculty), Case Writing/Case Study Preparation, Students' Industrial Visits and Practical Business Training and Development.

Library Facilities: Department Library: 4189 Books, 20 Journals and Magazines, 4 Newspapers.

Achievements:

(A) Faculty Achievements:

- Dr M K Patel, Ex-Professor, visited Hungary from 25th May to 25th June 2005 under the Indo-Hungarian Cultural Exchange Programme and has completed a project on Education Policies and Practices in European Countries and India. He also visited Thailand, Singapore, France and Austria. He has completed two projects funded and supported by international level institutes IRMA and IIMA. Dr Patel has written three books on HRD and did FDPM from IIM, Ahmedabad with full fellowship.
- Dr P K Rathod, Prof and Head visited USA from April 19th to June 8th 2011. He contacted Dr Sanjay Gupta, Dean, Department of Accounting, Michigan State University, Michigan, USA and Dr Mohinder, Dean, Department of Accounting, Oakland University, Michigan, USA for collaboration work in future in the thrust area of UGC-SAP.
- Dr S K Bhatt, Professor, participated in the International Conference on Knowledge Globalisation held at Dhaka (Bangladesh) 8-10 May, 2010 organised by North South University, Bangladesh,

Snffolk University, USA and Knowledge Globalisation Institute Bostan, USA. He presented a paper on “Financing to the poor: An evaluation of some lending Microfinance Institutions of India” and he also visited Grameen Bank Bangladesh for his thrust area of Major Research Project on Microfinance, Financed by UGC. He has written a book entitled “Corporate Financial Reporting in India”.

- Dr C K Sonara wrote a book entitled “Corporate Environmental Accounting and Reporting”
- Dr Y M Dalvadi, Assistant Professor, visited Tourism Department of Bangkok, Thailand on September, 2009. He met Officials of the Tourism Department to have their views on ‘Tourism Development in Thailand’.

(B) Students’ Achievements:

- One of the students Mahesh Prajapati cleared UGC NET exam and three students Anuj Bhatia, Tejas Gandhi and Anu Verma cleared Gujarat State Eligibility Test for lectureship.
- Four students were the winners of Badminton Tournament organized by Sardar Patel University.
- Student Anuj Bhatia secured 31st rank at India level in All India Commerce and Management Talent Search Exam conducted by Indian Commerce Association.
- A team of three students of MCom won 1st prize of ₹ 5,000/- and a team of three students of PG Diploma won 3rd prize of ₹ 2,000/- in Dr BabaSaheb Ambedkar Quiz organized by Sardar Patel University.
- Student Shraddha Rudani won 2nd prize in the Gujarat Quiz Contest at district level.

Programmes	Duration	Eligibility
MCom	4 Semesters	BCom/BBA and English as one of the subjects at HSC BA Economic (English Stream) Maximum 15 seats
MCom External	2 Years	BCom/BBA and English as one of the subjects at HSC
MPhil (FT)	1 Year	As per UGC rules
PHD (PT)	3 Years	As per UGC rules
PGDHRD (PT) (Postgraduate Diploma in Human Resource Development)	1 Year	Bachelor's degree (under 10+2+3 pattern) in any faculty with at least one Paper in English at the Degree Level or English Medium
PGDBM (PT) (Postgraduate Diploma in Business Management)	1 Year	

G H PATEL POSTGRADUATE DEPARTMENT OF BUSINESS MANAGEMENT (DEPARTMENT OF MBA)

Head of the Department: Professor H J Jani (I/c Head)

Phone: (O) 02692 248463 (M) 9825048463 **Fax:** 02692 248444 **E-mail:** ghpbmon@yahoo.co.in

Faculty: 2 Professors, 3 Associate Professors, and 3 Assistant Professors

Courses Offered: MBA with specialization in Marketing and Finance areas, PhD programme in management in the areas of Marketing Management, Financial Management, Organizational behavior, General and Strategic Management, Production Management and Operation Research.

Research Facilities: Six faculty Members are recognized as PhD Guides. The department has also been provided with a special grant from the UGC to support research on consumer behavior and consumer education under the prestigious SAP Programme. It is the only Management Department in Gujarat to get this status.

Major Research Activities: Major Research areas are Marketing Management, Financial Management, Human Resource Management, Accounting, and Taxation, Economics and Business Environment, Managerial and Organizational Communication, Business Policy and Strategic Management, Production Management and Operations Research.

Linkages at a Glance: The department has an active collaboration with other Universities/ Industry/ Research Organizations in terms of Curriculum Development, Teaching/ Training (Visiting Guest Faculty) Summer Placement, Course Project Work, Comprehensive Project Study, Viva-Voce and Evaluation of Dissertation Work, Final Placement, Sponsored Studies, Project, Seminar/ Symposia Sponsorship, Case Writing/ Case Study Preparation, Executive Education Programme, management Training and Development.

Library Facilities: Books 8000, Periodicals, and Journals - 63

Major Achievements

- The Department has produced more than 800 trained young Executives/Managers since its inception in 1989 (480 during IX plan).
- Rated among the top three business schools in Gujarat in terms of GCET student preference.
- Undertook various Marketing Research Consultancy Projects.
- Organized Executive Development Programme/ Management Development Programmes.
- 100 percent placement record since inception.
- Competent and experienced faculty.
- Best Infrastructure among all University run business schools in Gujarat.

Programme	Duration	Eligibility	Highlights
MBA	4 Semesters	Any Graduate	Emphasis on regular assessment and Feedback
PhD	2 Years Through Thesis work (Full Time) 3 Years for Scholars (Part Time)	MBA or Postgraduate of any related discipline	

DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Head of the Department: Professor Dr U A Thaker

Phone Number: (O) 02692 226880 (R) 02692 246559

Faculty: 2 Professors, 1 Assistant Professor

Courses Offered: BLib and Information Science, MLib and Information Science, MPhil and PhD

Major Research Activities

a) Faculty Engaged in

- Work in Minor and Major Research Projects Funded by UGC.
- Publishing research papers, project, Articles and Books.
- Participating in International, National and State level Seminar/Conference/Workshop etc.

b) Students engaged in

- Research work for PhD and M Phil
- Research project for Library and Information Science

Major Research Areas

- Modernization of libraries.
- Computerization and Networking of University libraries.
- Collection development in Internet era.
- Knowledge management.
- Institutional Repositories.
- Digital libraries.
- Information Analysis, Repackaging and Consolidation.
- Information and Communication Technology.

Facilities

- Library Facilities: 2000 Books and 10 Journals.
- Computer Laboratory having Six Computers with Printers
- Internet Facilities.

Major Achievements

- 100% Students have secured suitable placements in different types of libraries.
- Two faculty members are UGC expert.
- Organized two Refresher Courses.
- Organized National and State level Seminar / Conference.
- Faculties delivered expert lectures at different Universities.
- Faculties delivered lectures as a resources persons in Refresher courses.
- Faculties worked as chairperson in different conventions.
- Eminent Scholars of the field delivered lectures to our Students.

Programme Name	Duration	Eligibility
BLib and Information Science	2 Semesters	Degree in any Branch with English
MLib and Information Science.	4 Semesters	BLib and Information Science
MPhil (Information Science)	1 Year	MLib and Information Science
PhD (Information Science)	Minimum 3 Years	MLib and Information Science

N V PATEL POSTGRADUATE DEPARTMENT OF COMMUNICATION AND MEDIA STUDIES

Head of the Department: Dr J H Khan, (Honorary Director)

Phone: (O): 02692 226859/226829, 232200

Courses Offered: Postgraduate Diploma in Media Studies

Research Facilities and Activities, Major Sophisticated Equipments: 1 TV, 1 DVD Player

Major Achievements: Our students find gainful employment

Library Facilities: Books - 16 and Newspapers

Special information: The department is in its nascent stage and we are trying to strengthen the Department.

Thrust Area: Advertising and Public Relations.

Programme Name	Duration	Eligibility
PG Diploma in Media Studies	2 Semesters (1 year)	Bachelor Degree in any discipline

USIC (UNIVERSITY SCIENCE INSTRUMENTATION CENTRE)

Head of the Department: Shri Sulax C Shah (I/c Head)

Phone: (O) 02692 226850/51 **(R)** 02692 235715

Staff: 03- Technical Staff, 10-Technical Assistant, 02 Administrative Staff

Courses Offered: PG Diploma in Instrumentation

Library Facilities: Books –800, 06 Technical magazines are subscribed

Other facilities : Computers – 04, Internet – 03 nodes

Special information: USIC is helping all the departments as well as affiliated colleges in repairing and maintaining of instruments and fabrication of instruments for Research Scholars

Major Achievements

- Extends repairing, maintenance and research facilities to the Postgraduate Departments of Sardar Patel University as well as to its affiliated colleges and nearby institutes.
- In view of the infra-structural facilities and services provided, the UGC has upgraded the centre from level-II to level-III in 1990.
- Conducts special courses in instrumentation, designed specially to upgrade the knowledge of technical and scientific staff of USIC and of other institutions in maintenance of instruments.
- Conducts short-term courses for students, teachers of University Departments as well as colleges on various aspects of instrumentation and training programmes on proper use of instruments.
- Has started a 2 semester Post BSc Diploma in Instrumentation with an intake of 6 students to generate middle order technical manpower for the industries since 1991.
- 16 batches of the Post BSc Diploma in Instrumentation have successfully completed and all the students of previous batches have found gainful employment in well-reputed industries in and around Gujarat and abroad.

CHAPTER-1

CURRICULAR ASPECTS

The curricula offered in any statutorily established university is indeed one of its defining features which help it establish its academic standing vis-à-vis its sister universities. Since the curricula so offered constitute the universe of various academic programmes, they are necessarily based on the philosophy specific to the university concerned and on the philosophy governing a given discipline so much so that their design reflects a happy blend of these two philosophical orientations. The university has sought to maintain this happy blend with the passage of time, bringing in changes both in the content delivered and the tools used for such delivery of the content.

Sardar Patel University takes a 'course' to mean 'a course of study' or the impart of education through a series of coursework including lectures, tutorials, seminars, project work etc. The introduction of the Choice Based Credit System (CBCS) as well as Semesterisation with effect from 2010-11 offered us an opportunity to take a re-look at the structure of course offerings we had. A conscious decision was taken after due deliberations in two major workshops organized by the IQAC and ERU of the University to incorporate four types of courses in various academic programmes at the Masters level: core, elective, self-study and soft skills. We decided to empower the learners by making provisions for a comprehensive viva voce both in the internal assessment and university examinations. The idea was to afford them the opportunity of face-to-face presentation and interview. At the undergraduate level, we incorporated foundation, core, elective etc courses throughout the university on all programmes which did not involve professional bodies.

Even so, we continued to group our academic programmes mainly in four categories: Degree, Diploma, Postgraduate Diploma and Certificate programmes, and made these available to the international students too. There are 231 programmes available to the students. The postgraduate programmes courses are marked for their advanced level of application which seeks to fuse horizontal and vertical development within a subject discipline aimed at balancing scholarship and discipline-specific contemporary research skills.

Our effort has been to use the core courses for imparting training to students in a broad area of the subject-discipline focusing on its essential core, offering basic professional knowledge, skills etc to develop a scholastic overview of the subject.

The elective courses are aimed at imparting intellectual training necessary for a highly specialized range of abilities required on the specialisation concerned to blossom.

The self-study courses afford us the opportunity of coaxing our students to be self-reliant in matters of academic work by making these strictly learner-centred.

The soft skills courses impart training in ICT, life enrichment, academic writing, critical thinking and problem-solving etc abilities even in the Humanities and the Social Sciences. Since we are close to completing a full two-year cycle of the implementation of the CBCS, we have reasons to feel satisfied.

We have complied with another mandatory provision made by the UGC to introduce an entrance test for admission to our MPhil and PhD programmes from the academic year 2010-11 and mandatory coursework put in place for those admitted and both these have brought a qualitative change vis-à-vis these programmes.

The university takes care to update our curricula every 3 years in most cases and every 5 years in some others. Thus, we are able to give our learners the benefit of the new developments in a specific subject-discipline.

The syllabi and related activities are recommended by representative, Board of Studies to the higher academic bodies of the university such as Faculty, Postgraduate Board, Academic Council, and the Executive Council.

We list hereafter the programmes are offered in this University.

1.1 COURSES/PROGRAMMES OFFERED

THE UNIVERSITY OFFERS FOLLOWING COURSES

Details of Postgraduate, Diploma, Postgraduate Diploma, Certificate Course

1. Faculty of Arts

No	Name of Course	Duration
Graduate Courses		
1	BA Gujarati	6 Semesters
2	BA Hindi	6 Semesters
3	BA English	6 Semesters
4	BA Sanskrit	6 Semesters
5	BA Economics	6 Semesters
6	BA History	6 Semesters
7	BA Logic and Philosophy	6 Semesters
8	BA Sociology	6 Semesters
9	BA Psychology	6 Semesters
10	BA Political Science	6 Semesters
11	BA Geography	6 Semesters
12	BA Co-operation	6 Semesters
Postgraduate Courses		
1	MA Gujarati	4 Semesters
2	MA Hindi	4 Semesters
3	MA English	4 Semesters
4	MA Sanskrit	4 Semesters
5	MA Economics	4 Semesters
6	MA History	4 Semesters
7	MA Political Science	4 Semesters
8	MA Sociology	4 Semesters
9	MA Psychology	4 Semesters
10	BLib and Information Science	2 Semesters
11	Mlib and Information Science (Part Time)	4 Semesters
12	Mlib and Information Science (Full Time)	2 Semesters
13	Master of Human Resource Management (MHRM) (Social Work)	4 Semesters
14	Master of Social Work (MSW) (Social Work)	4 Semesters
15	MA in Communication and Media Studies	4 Semesters
16	Master of Public Administration (MPA)	4 Semesters
17	MA Logic and Philosophy	4 Semesters
18	MA Education	4 Semesters
19	Special BEd (Psychology)	4 Semesters
Diploma/Postgraduate Diploma Courses		
1	Diploma Music and Dance	
2	Postgraduate Diploma in Hindi Linguistics	
3	Postgraduate Diploma in Functional Hindi	
4	Postgraduate Diploma in Drama and Dramatics	
5	Postgraduate Diploma in the Teaching of English	
6	Postgraduate Diploma in Translation Studies	

2. Faculty of Business Studies

No	Name of Course	Duration
Graduate Courses		
1	BCom (Adv. Accountancy and Auditing)	6 Semesters
2	BCom (Business Management)	6 Semesters
3	BCom (Adv. Banking)	6 Semesters
4	BCom (Honours) (Corporate Banking)	8 Semesters
Postgraduate Courses		
1	MCom	4 Semesters
Diploma/ Postgraduate Diploma Courses		
1	Postgraduate Diploma in Marketing Management	
2	Diploma in Human Resource Development	

3. Faculty of Science

No	Name of Course	Duration
Graduate Courses		
1	BSc Mathematics	6 Semesters
2	BSc Statistics	6 Semesters
3	BSc Chemistry	6 Semesters
4	BSc Physics	6 Semesters
5	BSc Biosciences	6 Semesters
6	BSc Industrial Chemistry	6 Semesters
7	BSc Computer Science	6 Semesters
8	BSc Electronics	6 Semesters
9	BSc Materials Science	6 Semesters
10	BSc Microbiology	6 Semesters
11	BSc Zoology	6 Semesters
12	BSc Botany	6 Semesters
13	BCA	6 Semesters
Postgraduate Courses		
1	MSc Mathematics	4 Semesters
2	MSc Statistics	4 Semesters
3	MSc Microbiology	4 Semesters
4	MSc Biochemistry	4 Semesters
5	MSc Zoology	4 Semesters
6	MSc Biotechnology	4 Semesters
7	MSc Industrial Biotechnology	4 Semesters
8	MSc Bioinformatics	4 Semesters
9	MSc Materials Science	4 Semesters
10	MSc Nanoscience and Nanotechnology	4 Semesters
11	MSc Electronics	4 Semesters
12	MSc Organic Chemistry	4 Semesters
13	MSc Industrial Polymer Chemistry	4 Semesters
14	MSc Analytical Chemistry	4 Semesters
15	MSc Physical Chemistry	4 Semesters
16	MSc Inorganic Chemistry	4 Semesters
17	MSc Industrial Chemistry	4 Semesters
18	MSc Surface Coating Technology	4 Semesters
19	MSc Oils, Fats, Waxes	4 Semesters
20	MSc Polymer Science and Technology	4 Semesters
21	MSc Information Technology	4 Semesters
22	MSc Instrumentation	4 Semesters

23	MCA	6 Semesters
24	Masters in Quality and Productivity Management (MQPM)	4 Semesters
25	MSc Botany	4 Semesters
26	MSc Physics	4 Semesters
27	MSc Biotech (Integrated)	11 Semesters
28	MSc (IT) (Integrated)	10 Semesters
29	MSc Electronics and Communication	4 Semesters
30	MSc Environmental Science and Technology	4 Semesters
31	MSc Genetics	4 Semesters
32	MSc Pharmaceutical Chemistry	4 Semesters
33	MSc Forensic Science	4 Semesters
Diploma/Postgraduate Diploma Course		
1	Postgraduate Diploma in Computer Science and Application	
2	Post BSc Diploma in Analytical Chemistry	
3	Post BSc Diploma in Industrial Chemistry (Oil, Fats and Waxes)	
4	Post BSc Diploma in Paints and Varnishes	
5	Post BSc Diploma in Instrumentation	
6	Post BSc Diploma in Plastic Technology	
7	Postgraduate Diploma in Polymer Science	

4. Faculty of Home Science

No	Name of Course	Duration
1	BSc (Home Science)	6 Semesters
1	MSc (HS) Foods and Nutrition	4 Semesters
3	MSc (HS) General	4 Semesters
4	MSc (HS) Human Development	4 Semesters
5	MSc (HS) Food Biotechnology	4 Semesters
6	MSc (HS) Textiles and Clothing	4 Semesters
7	MSc (HS) Family Resource Management	4 Semesters

5. Faculty of Education

No	Name of Course	Duration
1	BEd (General)	2 Semesters
2	BEd (English)	2 Semesters
3	BEd (Advanced)	2 Semesters
4	BPed	2 Semesters
Postgraduate Course		
1	MEd	2 Semesters
Diploma/ Postgraduate Diploma Course		
1	Postgraduate Diploma in Education Management	

6. Faculty of Management

No	Name of Course	Duration
1	BBA (General)	6 Semesters
2	BBA (FT)	6 Semesters
3	BBA (ISM)	6 Semesters
4	BBA (ITM) Honours	8 Semesters
5	BBA (HM) Honours	8 Semesters
6	BBA (TTM) Honours	8 Semesters
Postgraduate Course		
1	MBA	4 Semesters
2	ME-Business	6 Semesters

Diploma/ Postgraduate Diploma Course	
1	Postgraduate Diploma in Business Administration (PGDBA)
2	Postgraduate Diploma in Company Administration
3	Postgraduate Diploma in Banking
4	Postgraduate Diploma in E-Business
5	Postgraduate Diploma Degree Management
6	Postgraduate Diploma in Logistics and Retail Management

7. Faculty of Medicine

No	Name of Course	Duration
1	B Physiotherapy	6 Semesters
2	BSc MLT	6 Semesters
3	BMLT	6 Semesters
4	MBBS	4 1/2 Years
Postgraduate Course		
1	MSc (Medical) Anatomy	4 Semesters
2	MSc (Medical) Physiology	4 Semesters
3	MSc (Medical) Bio-Chemistry	4 Semesters
4	MSc (Medical) Microbiology	4 Semesters
5	MSc (Medical) Pharmacology	4 Semesters
6	MD Medicine and Anaesthesia	4 Semesters
7	MS ENT	4 Semesters
8	M Physiotherapy	4 Semesters
9	MMLT	4 Semesters
Diploma/ Postgraduate Diploma Course		
1	Diploma in General Nursing and Midwifery	
2	Diploma in Medical Laboratory Technology	
3	Postgraduate Diploma in Medicine: Anaesthesiology (DA)	
4	Postgraduate Diploma in MS ENT DLO	
5	Postgraduate Diploma in Radiology	

8. Faculty of Homeopathy

No.	Name of Course	Duration
1	BHMS	6 Semesters
Postgraduate Course		
1	MD (Homeopathy) <i>Materia Medica</i>	4 Semesters
2	MD (Homeopathy) Repertory	4 Semesters
3	MD (Homeopathy) Homoeopathic Philosophy	4 Semesters

9. Faculty of Law

No	Name of Course	Duration
Undergraduate Courses		
1	BA (LLB) Integrated	8 Semesters
2	BBA (LLB) Integrated	8 Semesters
3	BCom (LLB) Integrated	8 Semesters
4	LLB (General)	6 Semesters
5	LLB (Special)	6 Semesters
4	LLM	6 Semesters
Diploma/ Postgraduate Diploma Course		
1	Diploma in Taxation Laws and Practice	
2	Diploma in Co-operative Laws and Practice	
3	Diploma in Labour Laws and Practice	

10. Faculty of Pharmacy

No	Name of Course	Duration
Postgraduate Course		
1	MPharm Quality Assurance	4 Semesters
2	MPharm Pharmaceutics	4 Semesters

11. Faculty of Engineering

No	Name of Course	Duration
Postgraduate Course		
1	Master of Valuation (Plant and Machinery)	4 Semesters
2	Master of Valuation (Real Estate)	4 Semesters
3	Master of Industrial Hygiene and Safety	4 Semesters

Research courses

No	Name of Course	Duration
MPhil (Arts)		
1	MPhil Gujarati	2 Semesters
2	MPhil Hindi	2 Semesters
3	MPhil Sanskrit	2 Semesters
4	MPhil English	2 Semesters
5	MPhil Sociology	2 Semesters
6	MPhil Economics	2 Semesters
7	MPhil Psychology	2 Semesters
8	MPhil Library and Information Science	2 Semesters
9	MPhil History	2 Semesters
10	MPhil Social Work	2 Semesters
11	MPhil Political Sciences	2 Semesters
12	MPhil ELT	2 Semesters
MPhil (Science)		
1	MPhil Physics	2 Semesters
2	MPhil Mathematics	2 Semesters
3	MPhil Statistics	2 Semesters
4	MPhil Computer Science	2 Semester
MPhil (Business Studies)		
1	MPhil Business Studies	2 Semesters
PhD (Arts)		
1	PhD Gujarati	6 Semesters
2	PhD Hindi	6 Semesters
3	PhD Sanskrit	6 Semesters
4	PhD English	6 Semesters
5	PhD Sociology	6 Semesters
6	PhD Economics	6 Semesters
7	PhD Psychology	6 Semesters
8	PhD Library and Information Science	6 Semesters
9	PhD History	6 Semesters
10	PhD Social Work	6 Semesters
11	PhD Political Science	6 Semesters
PhD (Science)		
1	PhD Microbiology	6 Semesters
2	PhD Biochemistry	6 Semesters
3	PhD Biotechnology	6 Semesters
4	PhD Botany	6 Semesters
5	PhD Zoology	6 Semesters

7	PhD Organic Chemistry	6 Semesters
8	PhD Inorganic Chemistry	6 Semesters
9	PhD Physical Chemistry	6 Semesters
10	PhD Analytical Chemistry	6 Semesters
11	PhD Industrial Chemistry	6 Semesters
12	PhD Industrial Polymer Chemistry	6 Semesters
13	PhD Computer Science	6 Semesters
14	PhD Electronics	6 Semesters
15	PhD Materials Science	6 Semesters
16	PhD Materials Technology	6 Semesters
17	PhD Mathematics	6 Semesters
18	PhD Food and Nutrition	6 Semesters
19	PhD Food Biotechnology	6 Semesters
20	PhD Textiles and Clothing	6 Semesters
21	PhD Physics	6 Semesters
22	PhD Statistics	6 Semesters
PhD Business Studies		
23	PhD (Business Studies)	6 Semesters
PhD Education		
24	PhD (Education)	6 Semesters
PhD Pharmaceutical Sciences		
25	PhD (Pharmaceutical Sciences)	6 Semesters

External Courses (Yearly System)

No.	Course Name
1	MA Gujarati
2	MA Hindi
3	MA English
4	MA Sanskrit
5	MA Economics
7	MA Sociology
8	MA History
9	MCom
10	BA Gujarati
11	BA Hindi
12	BA English
13	BA Sanskrit
14	BA Economic
15	BCom

Certificate Course

No.	Course Name
1	English Language Teaching
2	Advanced Certificate Course in Communication Skills in English
3	Guidance and Counselling
4	Junior and Senior Certificate Courses in English
5	School Administration
6	Data Entry Course
7	SPSS

1.2 COURSE REVISION AND ADDITIONS DURING THE YEAR 2011-12

No	Name of the Department	New Courses Revision
1.	Chemistry	CBCS courses which were of 6 Unit All the CBCS of MSc Sem-I to IV courses were revised in form at four unit. PhD course work under R.P.G.Ph.D.15 Rules has been constituted and submitted to university Academic Section.
2.	Home Science	Food Designing and Quality Assurance and/or Nutrigenomics introduced in MSc (Foods and Nutrition) and MSc (Food Biotechnology).
3.	Materials Science	The syllabi for MSc (Materials Science) and MSc (Nanoscience and Nanotechnology) have been revised.

1.3 NEW PAPERS BEING OFFERED FROM THE YEAR 2011-2012

No	Name of the Department	New Paper being offered
1	Home Science	Offered in MSc (Foods and Nutrition and Food Biotechnology) <ul style="list-style-type: none"> • Molecular Nutrition • Nutrigenomics • Personalized Nutrition
2	Materials Science	Special paper in Ceramic Technology in MSc (Materials Science) in Fourth Semester
3	Library and Information Science	<ul style="list-style-type: none"> • Self-Study: Library Legislation and Model Public Library Act/Bill (I-Semester) BLib • Self-Study: Library Networking and Resource Sharing (II-Semester) BLib • Self-Study: Communication Skill (Semester I) BLib • Self-Study: Computer Skill (Semester II) BLib • Self-Study: Marketing of Information Product and Services (FT and PT) (MLib) (Semester I) • Self-Study: Information and Communication Technology (FT and PT) (MLib) (Semester I) • Self-Study: Library Software (FT and PT) (MLib) (Semester II) • Soft Skill - Life Enrichment (FT and PT) (MLib) (Semester II) • Self-Study: Human Resource Management (PT) (MLib) (Semester III) • Soft Skill - Communication Skill (PT) (MLib) (Semester III) • Self-Study: Intellectual Property Rights (PT) (MLib) (Semester IV) • Self-Study: Critical Thinking and Problem Solving Skills (PT) (MLib) (Semester IV)
4	Political Science	MA Semester I <ul style="list-style-type: none"> • Electoral Politics and Nation Building Process in India • Dynamics of Politics in Gujarat State • Globalization and the Post-Cold-World Order Studies • Political Sociology: The Indian Context • Indian Political Economy • Basic Principles of Political Science • ICT and Professional Development • Comprehensive Viva Voce

	MA Semester III <ul style="list-style-type: none">• Local Self Government• Indian Foreign Policy• Public Administration• Constitutional Law of India• Environmental Problems in India• Policy and Administrative Reforms• ICT and Professional Development• Comprehensive Viva Voce
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CHAPTER-2

TEACHING-LEARNING AND EVALUATION

Teaching-learning form a dyad, for each presupposes the other. It has been variously defined: a change in performance; a person's conduct; growth, triggered off by experience rather than stemming from non-learning factors like maturation, drives etc. Our understanding of the dyad of teaching-learning is one of a change brought about in a person's behaviour potential to a situation in hand, manifesting itself in conduct reflecting an attitude, knowledge, better understanding, appreciation etc. It may be a product of formal, informal or even non-formal instruction through reading, listening to others, gaining knowledge of methods and processes of doing something by observing, or actually doing something. We consider teaching to be a pedagogical tool that uses a range of activities like lectures, instruction, interactions, motivational exercises, problem-solving sessions, seminar presentation, projects etc that are systematically evaluated and necessary feedback provided etc. Teaching necessarily implies an audience of learners, and learning can take place if and only if there is an atmosphere conducive for it.

Our mandate at the time of establishment of this university was 'to accelerate the process of regeneration of villages by the application of modern arts, sciences and technology to rural requirements'. The education required was of the kind that would help shape character and conduct by empowering learners from rural areas to be self-reliant and capable of self-employment rather than employment-seeking citizens. Embedded in the mandate was a refined mixture of the traditional and the modern: a cross between the traditions of teaching-learning in our ancient seats of learning Nalanda and Takshashila and the western model of Oxford and Cambridge. Shri Bhaikaka, our founder Vice Chancellor, was intent in translating this understanding of his of the vision into action. Fortunately for us, a certain blend of the guru-shishya tradition of the ancient times owing to our rural composition and the learner-as-consumer model of modern times reflected in urban, even urbane, aspirations co-exists in good measure in the University.

Our effort has constantly been to ensure awakening and enlightenment in the process of teaching-learning exchange both on the part of the teacher and the taught. We tend to perceive the process as an evolution of the whole from the whole, and have strived hard to trigger this further into life-long learning. This has been made possible through an intermingling of the cultural and vocational aspects of learning, reflected in the philosophical postulation evident in the Sanskrit dictum, 'Sheel vritta falam shrutam', loosely translated into English as 'Character and conduct are the fruits of learning'. Far from being a punch line, 'Excellence Matters' is for us an affirmation of our belief which has its roots in our motto: 'Sheel vritta falam shrutam'.

Teaching-learning, by their very design, entail evaluation. Testing and evaluation have come into pedagogy, i.e., the science of teaching, through psychology much in the same way as learning has. Psychological tests are designed to test aptitude, intelligence, and the like. Since the purpose of testing is to answer questions related to aspects like: (a) whether the learner has learnt what was intended to be taught; (b) to what extent has this learning taken or not taken place; (c) the possible reasons for the failure to learn if no learning seems to have taken place; and (d) the steps needed to be taken to remedy the situation if the outcome is below the level desired. Thus, the pattern governing our testing and evaluation involves a mix of objective items in multiple-choice format, short answer questions, and essay-type items aimed at testing achievement in the domains covered in instruction: knowledge, comprehension, application, analysis, synthesis, and evaluation. We give due weighting to critical and analytical abilities and to the ability to synthesise, for we take testing and evaluation to be a process of problem solving. Our Examination Reform Unit has been very active in recommending reforms needed from time to time. We have deliberated on a continual basis whether examinations can validly certify an examinee's competence; what needs to be done to make them more and more reliable; the nature of evaluation required for a professional qualification; how to test knowledge; how to make our question papers valid and adequate as testing instruments; how to plug loopholes as and when we can

identify them; how to create a system of continuous evaluation; the types of training necessary for paper-setters and examiners; the alternative forms of testing and evaluation that could be tried and tested; how to maintain fairness, accountability and transparency in examinations; the nature of ethical practices required in the conduct of examinations; the nature of strategies of evaluation; and the shape of our response to futuristic needs of the workplaces and of life, etc.

The result has been the creation of a transparent and accountable system of evaluation involving blind assessment using non-transparent flapping of their seat numbers by the examinees at the end of an examination; secure centralised process of evaluation and compilation of results; speedy and confidential reassessment by external examiners outside this university; stricter penalties for unethical methods used by the students or evaluators after a free and fair hearing by the Unfair Means Committee appointed by the University Syndicate; on-the-spot verification of marked answerscripts by any student harbouring doubts about the outcome of evaluation; creation of grievance redressal committee etc voluntarily and as mandated by the UGC or the Education Department of the Government of Gujarat. All this has led to stress-free examinations and timely declaration of results.

2.1 NUMBER OF ACADEMIC DAYS IN THE YEAR 2011-2012

Number of Days Devoted to Teaching, Admission, and Examinations at Undergraduate and Postgraduate Level 2011-2012

Level	Classes Conducted (Days)	Days Spent on Admission & Examinations
Postgraduate	210	72
Undergraduate	210	60

The Academic calendar of colleges and University Departments in various faculties is prepared and announced well in advance. Classes are never allowed to be missed. Alternative teaching arrangements are always made of the teachers, if a teacher is absent. In almost every department, teachers mark the presence of the students in each lecture everyday. Normally every teacher is available in the department at least for six hours a day, irrespective of his/her lecture schedule on that given day. In fact, some of the science departments and management department function from 9:00 am to late in the evening. This makes for the availability of teachers for students' counseling for the whole day.

2.2 ADMISSION

Complete transparency in admissions and evaluation, efficient use of time, a student-friendly approach, strict adherence to merit, special provisions for students from weaker sections like SC, ST, SEBC, Physically/Visually handicapped etc as well as for meritorious students, and special provisions for students from other universities in Gujarat as well as the other states in the Union of India are the hallmarks of our policy on admissions.

We try to work with clockwork precision and are, therefore, regular in all aspects of the teaching-learning process that is central to a University. The admission process is set in motion once a thoroughly updated prospectus containing an application form in it is ready. The prospectus is available in the University Store Section as well as online. This is designed to introduce the University, highlighting the details of the admission process to guide them in choosing the right academic programme for them. It is priced and is readily available through some counters identified in the main administrative building of the University. Each of the Departments in the University brings out a leaflet-type brochure containing details of the programmes and courses offered, facilities available in it, names of the entire faculty consisting of specialist teachers, with their specializations clearly indicated, the work done by the Department so far, and its future plans. Any applicant who wishes to know more has the option of contacting the Department concerned free guidance and counseling before he/she makes an application for admission to it.

The University issues an official notification in mid-May every year and then gets this published in newspapers with large circulation. We invite and process the applications during the last two weeks of

the preceding academic year to cut down upon the time taken to complete the process of admissions. Having processed the applications, we prepare the merit list of all applicants desirous of seeking admission to a particular programme and display it on the University website (www.spuvvn.edu) for public access. We have developed a system of centralized admissions. The merit list of applicants for each programme is also displayed prominently on the Notice Board in the Department concerned. The counseling date/admission date/test date/interview date and time for different Departments are announced in the prospectus itself. In addition, the admission process is executed as per the schedule in a transparent way.

Each of the Departments in the University has an admission committee, usually with the Head as the convener, entrusted with the task of finalizing admissions. The committee has the brief of ensuring that admissions are granted strictly on the basis of merit. However, when there is provision of an entrance test for admission on a particular programme, a new merit list, which has a judicious mix of the initial merit and merit based on the results of the entrance test (intimated beforehand in the Prospectus), is used for granting admissions. This way, we admit applicants in the order of merit against open seats, reserved seats for SC (7%), ST (15%), SEBC (27%), Physically/Visually handicapped (3%) etc, and seats for students from other universities in Gujarat (10%) and the other states in the Union of India (20% seats set aside for them in Departments in the University recognized by the UGC under its Special Assistance Programme (SAP) because this is mandatory under the UGC provisions). The process is usually completed in a day or two at the most.

We use the e-mail, the Internet, and the telephone as tools to communicate effectively and efficiently within a short span of time. The academic calendars are ready by the time the admissions are over, and these are then displayed on the notice board in the Department concerned, which is how we are able to begin teaching immediately thereafter.

THE FOLLOWING STATISTICS DESCRIBES THE STUDENT'S ENROLMENT IN THE YEAR 2011-2012

Total Number of students admitted at Undergraduate, Postgraduate, Diploma, and Research Degree Level 2011-2012

Students	No.	Percentage (%)
Postgraduate Students	10107	22.15
Undergraduate Students	34870	76.42
Diploma /Certificate Students	224	0.49
MPhil	182	0.39
PhD	251	0.55
Total	45634	100.00

FACULTY WISE ENROLMENTS IN THE YEAR 2011-2012

A. Postgraduate Level

No.	Degree	Male	Female	Total
1.	Faculty of Arts	2377	1810	4187
2.	Faculty of Science	2479	1498	3977
3.	Faculty of Business Studies	463	435	898
4.	Faculty of Engineering & Technology	14	6	20
5.	Faculty of Management	149	41	190
6.	Faculty of Education	46	52	98
7.	Faculty of Home Science	10	216	226
8.	Faculty of Law	87	49	136
9.	Faculty of Homoeopathy	17	31	48
10.	Faculty of Medicine	101	168	269
11.	Faculty of Pharmacy	38	20	58
	Total	5781	4326	10107

B. Undergraduate Level

No.	Degree	Male	Female	Total
1.	Faculty of Arts	5970	3326	9296
2.	Faculty of Science	5942	3233	9175
3.	Faculty of Business Studies	4266	2266	6532
4.	Faculty of Management	3717	1536	5253
5.	Faculty of Education	593	757	1350
6.	Faculty of Home Science	0	377	377
7.	Faculty of Law	752	264	1016
8.	Faculty of Homoeopathy	285	496	781
9.	Faculty of Medicine	407	683	1090
	Total	21932	12938	34870

PG Students enrolment in university departments 2011-2012

Postgraduate Students Enrolled in Faculty of Arts													
Students (General) Department Semesters I,II													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	6	18	4	3	8	6	7	8	0	0	25	35	60
Hindi	10	19	4	12	14	11	7	9	0	0	35	51	86
Sanskrit	12	16	5	2	4	8	9	6	0	0	30	32	62
English	8	22	6	10	0	8	1	6	0	0	15	46	61
Economics	4	19	6	6	6	4	4	11	0	0	20	40	60
History	9	7	5	4	8	10	10	7	0	0	32	28	60
Sociology	16	7	4	1	8	8	13	3	0	0	41	19	60
Political Sci.	9	2	1	1	2	2	2	4	0	1	14	10	24
Psychology	6	13	2	2	1	5	2	8	1	0	12	28	40
BLib	5	14	1	1	2	1	0	7	0	0	8	23	31
Mlib(PT)	0	4	1	1	1	1	0	1	1	0	3	7	10
Total	85	141	39	43	54	64	55	70	2	1	235	319	554

Students (Self-Finance) Department Semesters I,II													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	3	8	5	3	1	2	0	2	0	0	9	15	24
Hindi	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanskrit	0	2	1	0	0	1	0	1	0	0	1	4	5
English	4	21	1	3	0	2	1	3	0	0	6	29	35
Economics	10	19	2	1	3	3	2	0	0	0	17	23	40
History	0	0	0	0	0	0	0	0	0	0	0	0	0
Sociology	8	16	3	2	7	3	4	3	0	0	22	24	46
Psychology	8	17	3	1	1	1	3	1	0	0	15	20	35
BLib	0	1	0	0	0	0	0	0	0	0	0	1	1
Mlib	9	7	0	1	2	0	1	3	0	0	12	11	23
MSW	30	21	8	1	1	0	7	3	0	0	46	25	71
MHRM	26	31	2	0	1	1	6	3	0	0	35	35	70
Media Studies	3	3	0	0	0	0	1	0	0	0	4	3	7
Total	98	143	25	12	16	13	24	19	0	0	163	187	350

Students (General) Department Semesters III, IV													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	1	12	4	2	7	9	11	7	0	0	23	30	53
Hindi	17	18	8	6	14	10	8	11	1	0	48	45	93
Sanskrit	5	8	2	6	13	2	8	7	0	0	29	22	51
English	5	20	2	5	5	1	4	5	0	0	16	31	47
Economics	8	15	2	4	8	2	8	8	0	0	26	29	55
History	10	4	3	0	7	1	7	3	0	0	27	8	35
Sociology	17	15	2	2	4	9	3	5	0	0	26	31	57
Political Sci.	4	2	2	3	0	0	6	0	0	0	12	5	17
Psychology	8	9	1	3	5	3	2	4	0	0	16	19	35
MLib (F)	1	4	1	0	1	0	3	0	0	0	6	4	10
Total	76	107	27	31	64	37	60	50	1	0	229	224	453

Students (Self-Financed) Department Semesters III, IV													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	7	15	3	0	1	2	3	3	0	0	14	20	34
Hindi	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanskrit	5	6	0	1	5	4	2	1	0	0	12	12	24
English	6	7	1	0	1	1	1	0	0	0	9	8	17
Economics	4	6	1	3	0	1	2	0	0	0	7	10	17
History	0	0	0	0	0	0	0	0	0	0	0	0	0
Sociology	4	3	1	0	0	0	2	0	0	0	7	3	10
Psychology	7	9	1	1	4	0	6	2	0	0	18	12	30
MLib	2	5	0	1	0	0	1	1	0	0	3	7	10
MSW	30	21	8	1	1	0	7	3	0	0	46	25	71
MHRM	22	30	4	1	1	0	5	1	0	0	32	32	64
Media Studies	5	2	0	0	0	0	0	0	0	0	5	2	7
Total	87	102	19	8	13	8	29	11	0	0	148	129	277

Students (Self-Financed) College Semesters I, II														
College	Open		SC		ST		OBC		PH		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F		
Gujarati														
NSP	17	21	8	1	3	8	9	3	0	0	37	33	70	
AAC	27	32	4	0	3	3	1	0	0	0	35	35	70	
JMP	13	2	8	1	10	7	12	2	0	0	43	12	55	
Total	57	55	20	2	16	18	22	5	0	0	115	80	195	
Hindi														
AAC	4	9	4	0	12	5	10	3	1	0	31	17	48	
SHRI BP	12	5	9	2	19	3	13	5	0	0	53	15	68	
JMP	3	0	2	2	4	2	2	3	0	0	11	7	18	

NSP	15	12	3	4	10	5	16	2	0	0	44	23	67
Total	34	26	18	8	45	15	41	13	1	0	139	62	201
English													
AAC	4	12	1	0	9	2	6	1	0	0	20	15	35
NSP	16	19	6	5	4	3	8	9	0	0	34	36	70
HMP	0	0	0	0	0	0	0	0	0	0	0	0	0
JMP	16	16	2	2	0	1	1	4	0	0	19	23	42
SHREE BP	16	8	3	0	5	4	3	1	0	0	27	13	40
Total	52	55	12	7	18	10	18	15	0	0	100	87	187
Sanskrit													
JMP	10	3	4	0	10	0	8	0	0	0	32	3	35
Economics													
NSP	30	30	2	5	0	0	1	2	0	0	33	37	70
History													
AAC	14	9	3	4	8	1	6	1	0	0	31	15	46
ELT													
HMP	9	16	9	0	4	1	4	3	0	0	26	20	46
AAC													
BLib	3	10	0	0	0	0	0	0	0	0	3	10	13
Mlib	5	3	0	0	0	0	2	2	0	0	7	5	12
Total	8	13	0	0	0	0	2	2	0	0	10	15	25
MSW													
AI of SW	19	19	9	8	0	2	8	5	0	0	34	36	70
NSP	55	21	21	4	15	2	16	3	0	0	107	30	137
JMP	51	14	25	6	17	1	19	7	0	0	112	28	140
Total	125	54	55	18	32	5	43	15	0	0	253	94	347
Logic & Philosophy													
NA&TVPatel	0	3	1	0	4	1	0	0	0	0	5	4	9
MPA													
NSP	31	16	5	3	0	0	7	3	0	0	43	22	65
Education													
J M Patel	0	0	0	0	0	0	0	0	0	0	0	0	0
AISW													
MHRM	19	19	9	8	0	2	8	5	0	0	34	36	70
MHRM(JMP)	28	23	11	10	0	4	8	5	0	0	47	42	89
Total	47	42	20	18	0	6	16	10	0	0	81	78	159
Final Total	417	322	149	65	137	57	168	69	1	0	868	517	1385

Students (Self-Financed) College Semester III,IV													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati													
NSP	15	11	9	10	2	7	4	4	1	0	31	32	63
AAC	22	26	0	1	4	0	0	4	0	0	26	31	57
JMP	10	6	16	6	7	4	2	1	1	0	36	17	53
Total	47	43	25	17	13	11	6	9	2	0	93	80	173
Hindi													
AAC	19	9	0	1	1	1	2	0	0	0	22	11	33
BPA	15	1	9	2	8	9	5	0	0	0	37	12	49
NSP	16	10	5	0	13	2	11	4	1	0	46	16	62
JMP	11	0	4	0	5	5	6	0	0	0	26	5	31
Total	61	20	18	3	27	17	24	4	1	0	131	44	175
English													
AAC	15	30	0	4	3	1	1	7	0	0	19	42	61
HMP	0	0	0	0	0	0	0	0	0	0	0	0	0
JMP	11	6	18	4	4	4	4	2	0	0	37	16	53
NSP	15	28	3	0	4	4	5	2	0	0	27	34	61
SHREE BP	16	9	3	0	6	2	4	1	0	0	29	12	41
Total	57	73	24	8	17	11	14	12	0	0	112	104	216
Sanskrit													
JMP	15	4	3	2	3	5	7	2	0	0	28	13	41
Economics													
NSP	19	12	7	5	4	2	2	0	1	0	33	19	52
History													
AAC	4	2	0	1	5	1	4	1	0	0	13	5	18
ELT													
HMP	13	16	11	3	0	0	1	1	0	0	25	20	45
Logic & Philosophy													
NA&TVPatel	0	1	1	0	3	1	1	0	0	0	5	2	7
Education	0	0	0	0	0	0	0	0	0	0	0	0	0
MLib													
MPA (NSP)	18	4	0	2	1	0	6	1	0	0	25	7	32
MSW													
AI of SW	28	23	2	1	1	3	0	3	0	0	31	30	61
NSP	44	7	8	0	1	0	4	0	0	0	57	7	64
JMP	51	19	35	9	20	1	4	1	0	0	110	30	140
Total	357	224	134	51	95	52	73	34	4	0	663	361	1024

MPhil Arts (General) Department													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	3	0	1	1	1	3	4	2	0	0	9	6	15
Hindi	2	3	3	0	1	1	4	0	0	0	10	4	14
Sanskrit	2	0	0	0	0	0	0	0	0	0	2	0	2
English	4	1	0	0	0	0	0	1	0	0	1	5	6
Sociology	1	2	2	0	2	0	0	1	0	0	5	3	8
Economics	0	0	0	0	0	0	0	0	0	0	0	0	0
MLib	0	4	1	1	1	1	0	1	1	0	3	7	10
Total	12	10	7	2	5	5	8	5	1	0	30	25	55

MPhil Arts (Self-Financed) Department													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	3	0	2	1	0	1	2	1	0	0	7	3	10
Hindi	1	1	1	1	2	1	0	0	0	0	4	3	7
Sanskrit	0	0	0	0	0	0	0	0	0	0	0	0	0
English	2	6	0	0	0	0	0	1	0	0	2	7	9
Sociology	1	4	1	1	0	0	0	1	0	0	2	6	8
Psychology	1	4	0	1	0	0	0	1	0	0	1	6	7
Economics	0	0	0	0	0	0	0	0	0	0	0	0	0
MLib	9	7	0	1	2	0	1	3	0	0	12	11	23
Social Work	3	2	0	0	1	0	0	0	0	0	4	2	6
Total	20	24	4	5	5	2	3	7	0	0	32	38	70

MPhil Arts (Self-Finance) College													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
SERLIP													
History	2	2	0	1	2	0	0	0	0	0	4	3	7
Political Sci.	0	0	1	0	0	0	0	0	0	0	1	0	1
ELT (HMP)	1	4	1	0	0	2	2	1	0	0	4	7	11
Total	3	6	2	1	2	2	2	1	0	0	9	10	19

Postgraduate Students Enrolled in Faculty of Commerce														
Students (General & Self-Financed) Department (M.Com) Semester I,II														
Department	Open		SC		ST		OBC		PH		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F		
Business Studies (G)	36	39	6	2	7	8	15	10	0	0	64	59	123	
Business Studies (SF)	36	33	3	1	0	0	8	4	0	0	47	38	85	
Total	72	72	9	3	7	8	23	14	0	0	111	97	208	

Students (General & Self-Financed) Department (M.Com) Semester III,IV													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Business Studies (G)	18	36	6	4	0	2	11	12	0	0	35	54	89
Business Studies (SF)	59	65	5	2	0	0	4	6	0	0	68	73	141
Total	77	101	11	6	0	2	15	18	0	0	103	127	230

Previous Students (General & Self-Financed) College (M.Com) Semester I,II													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
AIBS	29	28	3	3	1	0	6	1	0	0	39	32	71
C P & F H	28	30	0	1	0	0	6	5	0	0	34	36	70
DNIPGSC	24	27	1	0	1	0	1	4	0	0	27	31	58
Total	81	85	4	4	2	0	13	10	0	0	100	99	199

Final Students (General & Self-Financed) (M.Com) College Semester III,IV													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
AIBS	24	32	6	2	0	0	1	1	0	0	31	35	66
C P & F H	29	26	3	0	1	0	3	1	0	0	36	27	63
Total	53	58	9	2	1	0	4	2	0	0	67	62	129

MPhil Commerce (General & Self-Financed) (M.Com) Department													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Business Studies (Gen.)	4	5	0	0	1	0	2	1	0	0	7	6	13
Business Studies (SF)	7	8	0	0	0	0	1	1	0	0	8	9	17
Total	11	13	0	0	1	0	3	2	0	0	15	15	30

Diploma (Self-Financed) Department													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
PGHRD	44	23	2	2	0	0	9	3	0	0	55	28	83
PGDBM	8	6	2	0	0	0	2	1	0	0	12	7	19
Total	52	29	4	2	0	0	11	4	0	0	67	35	102

Postgraduate Students Enrolled in Faculty of Education													
MEd (General & Self-Financed) Department													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Education (G)	7	11	1	1	1	4	6	4	0	0	15	20	35

College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Way made (SF)	5	11	1	1	2	1	5	2	0	0	13	15	28
IJP (SF)	13	9	2	2	1	6	2	0	0	0	18	17	35
Total	18	20	3	3	3	7	7	2	0	0	31	32	63

Postgraduate Students Enrolled in Faculty of Home Science													
Home Science (General & Self-Financed) Department Semester I,II													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
F&N (GEN)	0	11	0	0	0	0	0	1	0	0	0	12	12
GEN (GEN)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	11	0	0	0	0	0	1	0	0	0	12	12
F&N (SF)	0	10	0	0	0	0	0	0	0	0	0	10	10
H&D (SF)	0	9	0	1	0	0	0	2	0	0	0	12	12
T&C (SF)	0	13	0	0	0	1	0	1	0	0	0	15	15
FRM (SF)	0	3	0	0	0	1	0	0	0	0	0	4	4
FBT (SF)	3	8	0	0	0	0	0	0	0	0	3	8	11
Total	3	43	0	1	0	2	0	3	0	0	3	49	52

Home Science (General & Self-Financed) Department Semester III,IV													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
F&N (GEN)	0	8	0	0	0	0	0	1	0	0	0	9	9
GEN (GEN)	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	8	0	0	0	0	0	1	0	0	0	9	9
H&D (SF)	1	17	0	0	0	0	0	1	0	0	1	18	19
T&C (SF)	0	10	0	0	0	2	0	0	0	0	0	12	12
FRM (SF)	0	10	0	0	0	0	0	1	0	0	0	11	11
FBT(SF)	3	11	0	0	0	0	0	0	0	0	3	11	14
Total	4	48	0	0	0	2	0	2	0	0	4	52	56

Home Science (General & Self-Financed) College Semester I,II													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
FBT(KPP)	1	4	0	0	1	0	0	0	0	0	2	4	6
F&N(KPP)	1	23	0	1	0	0	0	2	0	0	1	26	27
Total	2	27	0	1	1	0	0	2	0	0	3	30	33
Home Science (General & Self-Financed) College Semester III, IV													
FBT(KPP)	0	4	0	1	0	0	0	1	0	0	0	6	6
F&N(KPP)	0	26	0	0	0	0	0	1	0	0	0	27	27
Total	0	30	0	1	0	0	0	2	0	0	0	33	33

Postgraduate Students Enrolled in Faculty of Engineering													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
MID (Semester I)	0	1	0	0	0	0	0	0	0	0	0	1	1
MUP (Semester I)	5	0	0	0	0	0	0	0	0	0	5	0	5
Total	5	1	0	0	0	0	0	0	0	0	5	1	6
MID (Semester III)	1	2	0	0	0	0	0	0	0	0	1	2	3
MUP (Semester III)	7	3	1	0	0	0	0	0	0	0	8	3	11
Total	8	5	1	0	0	0	0	0	0	0	9	5	14

Postgraduate Students Enrolled in Faculty of Law													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
ALC LLM-I	28	23	5	5	2	1	3	3	0	0	48	32	80
ALC LLM II	38	15	0	0	1	0	0	1	0	0	39	16	55
Total	66	38	5	5	3	1	3	4	0	0	87	48	135

Postgraduate Students Enrolled in Faculty of Management													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Semester I, II													
MBA-GEN	13	4	2	1	3	1	9	1	1	0	28	7	35
MBA-SF	11	1	1	0	3	0	3	1	0	0	18	2	20
MBA-NRI	19	6	0	0	0	0	0	0	0	0	19	6	25
Total	43	11	3	1	6	1	12	2	1	0	65	15	80
Semester III,IV													
MBA-GEN	22	3	3	1	4	0	10	0	0	0	39	4	43
MBA-SF	8	2	1	0	1	2	5	1	0	0	15	5	20
MBA-NRI	10	11	0	0	0	0	0	0	0	0	10	11	21
Total	40	16	4	1	5	2	15	1	0	0	64	20	84
Diploma Course													
PGDMM	7	2	0	0	0	0	0	0	0	0	7	2	9
PGDBA	13	3	0	1	0	0	0	0	0	0	13	4	17
Total	20	5	0	1	0	0	0	0	0	0	20	6	26

Postgraduate Students Enrolled in Faculty of Science													
MPhil Science (General) Department													
Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Mathematics	1	2	1	0	0	0	0	0	0	0	2	2	4
Physics	1	3	0	0	0	0	0	0	0	0	1	3	4
Statistics	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	5	1	0	0	0	0	0	0	0	3	5	8

MPhil Science (Self-Financed) Department												
Mathematics	0	0	0	0	0	0	0	0	0	0	0	0
Physics	0	0	0	0	0	0	0	0	0	0	0	0
Statistics	0	0	0	0	0	0	0	0	0	0	0	0
Comp. Sci.	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0

Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
MSc (General) Semester I,II													
Mathematics	13	29	3	3	1	1	5	5	0	0	22	38	60
Statistics	32	20	0	0	0	0	1	0	0	0	33	20	53
Physics	26	20	7	0	1	1	5	1	0	0	39	22	61
Chemistry	30	12	5	1	0	1	10	2	0	0	45	16	61
Materials Science	12	1	0	0	0	0	6	0	0	0	18	1	19
Electronics	12	8	3	0	0	1	7	1	0	0	22	10	32
Microbiology	2	7	0	1	0	1	0	4	0	0	2	13	15
Zoology	2	7	3	1	0	0	1	1	0	0	6	9	15
BioChemistry	6	6	1	1	2	0	1	0	0	0	10	7	17
Botany	4	10	0	0	0	0	2	0	0	0	6	10	16
Total	139	120	22	7	4	5	38	14	0	0	203	146	349
MSc (Self-Finance) Semester I,II													
Mathematics	27	20	1	0	0	0	7	2	0	0	35	22	57
Statistics	1	0	0	0	0	0	0	0	0	0	1	0	1
Physics	19	17	0	0	0	0	5	4	0	0	24	21	45
Chemistry	15	5	0	0	0	0	4	1	0	0	19	6	25
Materials Sci	10	1	0	0	0	0	0	0	0	0	10	1	11
Nanotechnology	3	1	0	0	1	1	2	2	0	0	6	4	10
Electronics	18	5	2	0	0	0	6	3	0	0	26	8	34
Microbiology	1	8	1	1	0	0	2	6	0	0	4	15	19
Zoology	0	0	0	0	0	0	0	0	0	0	0	0	0
Biochemistry	0	9	1	0	0	0	0	0	0	0	1	9	10
Botany	2	0	0	1	0	0	0	0	0	0	2	1	3
Biotechnology	6	11	0	1	0	1	2	3	0	0	8	16	24
Industrial Biotechnology	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinformatics	0	0	0	0	0	0	0	0	0	0	0	0	0
MQPM	35	9	1	2	0	1	9	1	0	0	45	13	58
Total	137	86	6	5	1	3	37	22	0	0	181	116	297
MSc (NRI) Semester I,II													
Microbiology	0	1	0	0	0	0	0	0	0	0	0	1	1
Biotechnology	0	2	0	0	0	0	0	0	0	0	2	0	2
Total	137	89	6	5	1	3	37	22	0	0	183	117	300

Department	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
MSc (General) Semester III,IV													
Mathematics	18	21	1	3	2	2	3	2	0	0	24	28	52
Statistics	26	4	0	0	0	0	0	0	0	0	26	4	30
Physics	21	13	1	0	1	0	3	4	0	0	26	17	43
Organic Chemistry	15	6	1	0	0	0	3	0	0	0	19	6	25
Inorganic Chemistry	4	5	0	1	0	1	1	0	0	0	5	7	12
Physics Chemistry	1	2	2	0	0	1	3	3	0	0	6	6	12
Analytical Chemistry	6	1	0	1	0	0	3	2	0	0	9	4	13
Industrial Polymer Chemistry	8	0	3	0	0	0	2	0	0	0	13	0	13
Materials Science	12	0	1	0	0	0	3	0	0	0	16	0	16
Electronics	15	5	3	1	0	0	1	1	0	0	19	7	26
Microbiology	2	5	0	1	0	2	2	3	0	0	4	11	15
Zoology	3	6	0	2	1	0	0	1	0	0	4	9	13
Biochemistry	2	8	1	0	0	0	0	3	0	0	3	11	14
Botany	1	6	0	0	0	0	0	0	0	0	1	6	7
MQPM	38	5	3	1	0	0	4	2	0	0	45	8	53
Total	172	87	16	10	4	6	28	21	0	0	220	124	344
MSc (Self-Financed) Semester III,IV													
Maths	16	1	1	0	0	0	1	1	0	0	18	2	20
Statistics	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	13	6	1	1	0	0	3	1	0	0	17	8	25
Organic Chemistry	24	2	2	0	3	0	8	0	0	0	37	2	39
Inorganic Chemistry	2	4	0	1	0	0	2	1	0	0	4	6	10
Physic Chemistry	2	5	0	1	0	0	0	1	0	0	2	7	9
Analytical Chemistry	4	4	2	0	0	0	3	0	0	0	9	4	13
Industrial Polymar Chemistry	9	0	0	0	0	0	2	0	0	0	11	0	11
Materials Science	3	0	0	0	0	0	0	0	0	0	3	0	3
Nanotechnology	2	2	0	0	0	0	0	0	0	0	2	2	4
Electronics	15	3	0	1	0	0	1	1	0	0	16	5	21
Microbiology	4	18	0	1	0	0	0	5	0	0	4	24	28
Zoology	0	1	0	0	0	0	0	0	0	0	0	1	1
Biochemistry	2	8	0	0	0	0	0	0	0	0	2	8	10
Botany	0	0	0	0	0	0	0	0	0	0	0	0	0
Biotechnology	7	21	0	1	0	0	5	2	0	0	12	24	36
Industrial Biotechnology	0	0	0	0	0	0	0	0	0	0	0	0	0
Bioinformation	0	0	0	0	0	0	0	0	0	0	0	0	0
MQPM	38	5	3	1	0	0	4	2	0	0	45	8	53
Total	141	80	9	7	3	0	29	14	0	0	182	101	283
MSc (NRI) Semester III,IV													
Microbiology	1	2	0	0	0	0	0	0	0	0	1	2	3
Biotechnology	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	142	82	9	7	3	0	29	14	0	0	183	103	286

MSc (General) Semester I,II													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
Microbiology													
ANP	14	46	1	1	0	0	2	5	0	0	17	52	69
AR	1	2	1	0	0	0	0	0	0	0	2	2	4
PMP	5	52	2	2	1	6	4	6	0	0	12	66	78
Total	20	100	4	3	1	6	6	11	0	0	31	120	151
Biotechnology													
ANP	12	43	1	2	1	2	3	4	0	0	17	51	68
ARC	33	21	0	0	0	2	1	1	0	0	34	24	58
PMP	18	35	6	6	0	1	2	8	0	0	26	50	76
AMCOST	16	22	0	0	0	0	2	1	0	0	18	23	41
Total	79	121	7	8	1	5	8	14	0	0	95	148	243
Organic Chemistry													
ANP	63	7	0	0	0	0	2	0	0	0	65	7	72
PMP	99	30	28	6	25	6	20	4	0	0	172	46	218
ISTAR	41	8	2	3	0	0	8	0	0	0	51	11	62
BNP	58	7	1	0	0	0	5	0	0	0	64	7	71
Total	261	52	31	9	25	6	35	4	0	0	352	71	423
Biochemistry													
PMP	7	20	1	0	0	1	1	0	0	0	9	21	30
Physics Chemistry													
ARC	31	18	0	1	0	0	1	0	0	0	32	19	51
Analytical Chemistry													
BNPAC	29	17	0	1	0	0	1	0	0	0	30	18	48
Genetics													
ARP	3	14	0	1	0	0	0	0	0	0	3	15	18
Information Technology													
PMP	65	30	1	0	0	0	5	7	0	0	71	37	108
MSc (ISTAR) Semester I,II													
Industrial Chemistry	62	0	2	0	0	0	6	0	0	0	70	0	70
Plastic Technology	3	0	0	0	0	0	0	0	0	0	3	0	3
SCT	54	1	2	0	1	0	6	0	0	0	63	1	64
Enviormental Science	19	30	3	0	0	0	8	9	0	0	30	39	69
Instrumentation	28	7	3	0	0	0	1	0	0	0	32	7	39
Information Technology	8	9	0	0	0	0	3	1	0	0	11	10	21
Paint & Var.	7	0	0	0	1	0	1	0	0	0	9	0	9
Total	679	425	54	24	29	18	83	46	0	0	845	513	1358

Microbiology (Self-Financed) Semester I,II													
ANP	15	32	0	1	0	0	1	2	0	0	16	35	51
ARC	15	35	1	1	1	1	1	5	0	0	18	42	60
PMP	5	45	2	2	1	6	4	6	0	0	12	59	71
Total	35	112	3	4	2	7	6	13	0	0	46	136	182
Biotechnology Semester I,II													
AMCOST	16	22	0	0	0	0	2	1	0	0	18	23	41
ARC	34	27	0	0	0	2	1	1	0	0	35	30	65
PMP	18	35	6	6	0	1	1	8	0	0	25	50	75
ANP	21	40	1	4	0	0	0	1	0	0	22	45	67
Total	89	124	7	10	0	3	4	11	0	0	100	148	248
Organic Chemistry Semester I,II													
MBP	56	12	2	0	0	0	5	0	0	0	63	12	75
PMP	51	9	4	0	0	0	3	0	0	0	58	9	67
ISTAT	28	0	1	0	0	0	1	1	0	0	30	1	31
ARC	58	4	1	0	0	0	0	0	0	0	59	4	63
Total	193	25	8	0	0	0	9	1	0	0	210	26	236
ISTAR M.Sc Semester I,II													
Indi. Chem.	51	1	5	0	0	0	14	0	0	0	70	1	71
Plastic Tech.	9	2	0	0	0	0	0	0	0	0	9	2	11
SCT	38	1	8	0	0	0	6	0	0	0	52	1	53
Environmental Sci.	10	30	1	2	0	0	0	0	0	0	11	32	43
Info. Tech.	23	17	0	0	0	0	1	0	0	0	24	17	41
Imfo-Sci.	45	18	0	0	1	0	2	1	0	0	48	19	67
Paint & Var.	7	2	0	0	0	0	0	0	0	0	7	2	9
Total	500	332	32	16	3	10	42	26	0	0	577	384	961
Department Semester I,II													
MCA (GEN)	17	14	3	1	3	2	12	5	1	1	36	23	59
MCA (SF)	26	10	3	1	1	1	11	4	1	0	42	16	58
Total	43	24	6	2	4	3	23	9	2	1	78	39	117
Department Semester III,IV													
MCA (GEN)	16	3	2	1	5	2	9	0	0	0	32	6	38
MCA (GEN)	13	8	5	5	2	2	1	0	0	0	21	15	36
Total	29	11	7	6	7	4	10	0	0	0	53	21	74
MCA (SF)	34	4	6	0	0	0	10	1	1	1	51	6	57
MCA (SF)	29	12	12	2	0	0	1	2	0	0	42	16	58
Total	63	16	18	2	0	0	11	3	1	1	93	22	115
Diploma Department (GEN)													
PGDCA	17	10	0	0	1	1	2	1	0	0	20	12	32
PG Dip. Analytical Chemistry	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	17	10	0	0	1	1	2	1	0	0	20	12	32

Diploma Department & College (SF)													
PGDCA	12	9	0	0	2	0	1	0	0	0	15	9	24
BJVM	3	0	0	0	0	0	0	0	0	0	3	0	3
CPP & FHS	1	3	2	0	0	0	0	0	0	0	3	3	6
Total	16	12	2	0	2	0	1	0	0	0	21	12	33

Postgraduate Students Enrolled in Faculty of Pharmacy														
Department	Open		SC		ST		OBC		PH		Total		Total	
	M	F	M	F	M	F	M	F	M	F	M	F		
MPham (I,II) (QA)	5	4	0	1	0	2	0	3	0	0	5	10	15	
MPham(I,II) (PS)	11	3	0	0	0	0	0	0	1	0	11	4	15	
Total	16	7	0	1	0	2	0	3	1	0	16	14	30	
MPham III, IV (QA)	8	2	1	0	0	0	3	0	0	0	12	2	14	
MPhamIII,IV (PS)	10	3	0	0	0	0	0	1	0	0	10	4	14	
Total	18	5	1	0	0	0	3	1	0	0	22	6	28	

Postgraduate Students Enrolled in Faculty of Medicine													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
MLT Semester I,II													
PMP	8	26	0	0	0	2	2	6	0	0	10	34	44
LPP	1	5	0	1	0	0	0	2	0	0	1	8	9
ANP	3	24	0	0	0	0	1	0	0	0	4	24	28
Total	12	55	0	1	0	2	3	8	0	0	15	66	81
MPHY Semester I,II													
KMP	2	3	0	0	0	0	0	0	0	0	2	3	5
ANAND	0	3	0	0	0	0	0	0	0	0	0	3	3
Total	2	6	0	0	0	0	0	0	0	0	2	6	8
Medical	37	12	0	0	1	0	0	0	0	0	38	12	50
MLT Semester III,IV													
PMP	5	25	1	1	0	2	0	4	0	0	6	32	38
LPP	1	7	0	0	0	0	0	0	0	0	1	7	8
MBP	0	11	0	1	0	0	0	0	0	0	0	12	12
Total	6	43	1	2	0	2	0	4	0	0	7	51	58
MPHY Semester III,IV													
KMP	2	3	0	0	0	0	0	0	0	0	2	3	5
ANAND	0	3	0	0	0	0	0	0	0	0	0	3	5
Total	45	61	1	2	1	2	0	4	0	0	47	69	118

Postgraduate Students Enrolled in Faculty of Homoeopathy													
College	Open		SC		ST		OBC		PH		Total		Total
	M	F	M	F	M	F	M	F	M	F	M	F	
MD Semester I,II													
AHM	2	11	0	1	0	0	0	1	0	0	2	13	15
VHD	3	5	0	0	0	0	0	0	0	0	3	5	8
Total	5	16	0	1	0	0	0	1	0	0	5	18	23

MD Semester III,IV													
VHD	5	4	0	0	0	0	0	0	0	0	5	4	9
AHD	5	7	0	2	0	0	2	0	0	0	7	9	16
Total	10	11	0	2	0	0	2	0	0	0	12	13	25

2.3 INTERNATIONAL STUDENTS

An International Students Centre (ISC) was established in Sardar Patel University in June-July 2004. The objectives behind its establishment are: (a) to assist the International Student Community by providing information related to various courses on offer in any given year, the procedure of admission to these courses, criteria governing eligibility, the fee to be paid etc, and (b) to facilitate the applicants in getting admission, help them settle down quickly and happily, take active interest in their studies, and take care of their welfare, including their security clearance from the local police, and so on.

International Students Centre has been fortunate enough to attract a lot of foreign students every year, thanks to our need-based innovative courses on offer year after year. Our ISC has been singularly responsible for coordinating all the activities related to the admission of international scholars through a Single Window System ever since its inception. It coordinates with Indian Council for Cultural Relations (ICCR), Ministries of Human Resource Development (MHRD), External Affairs (MEA), and Home Affairs (MHA), as well as with different Embassies and Consulates for various purposes including assisting them in obtaining student or research Visa, Scholarships etc.

International Students Centre has accommodated most of these International Students with Scholarship from the ICCR, New Delhi, in the University Staff Colony, Vallabh Vidyanagar to ensure their safety and give them peaceful atmosphere.

Dr J H Khan, Professor of English, and Honorary Director, Centre for Training and Research in Language and Communication, Coordinator, IQAC, I/C Director, Media Studies has been taking care of ISC as Honorary Director, since 23 August 2006.

List of Foreign/NRI/NRI-Sponsored students admitted to various courses in 2011-2012

No.	Name of the Scholar	Country	Course	Sponsored or Self-supporting
1	Ms Shafeqa Mohammed Muthanna Qaid	Yemen	BBA	Self-Supporting
2	Ms Avni Birenghai Patel	UK	BCA	NRI
3	Mr Roshan Kaushik Patel	USA	BBA	NRI
4	Ms Priyanka Jagdishbhai Patel	Kenya	BSc(Chemistry)	NRI
5	Ms Karishma Yogendrabhai Patel	Kenya	BBA	NRI
6	Mr Shyamu Mandal	Nepal	MBA	ICCR-Sponsored
7	Mr Shering Yalamber Subba	Nepal	MBA	ICCR-Sponsored
8	Ms Anusha Khand	Nepal	MBA	ICCR-Sponsored
9	Mr Ajaykumar Pandey	Nepal	MBA	ICCR-Sponsored
10	Mr Bijendra Bikram Shah	Nepal	MBA	ICCR-Sponsored
11	Mr Bijay Prasad Khuswaha	Nepal	MBA	ICCR-Sponsored
12	Ms Yakshya Thapa	Nepal	MBA	ICCR-Sponsored
13	Ms Praktikchcha Singh	Nepal	MBA	ICCR-Sponsored
14	Mr Muneer Abdullah Ezzy Kadash	Yemen	MBA	Self-Supported
15	Mr Sulaiman Abdullah Mohammed Abdullah	Yemen	MSc (MLT)	Self-Supported
16	Mr Puvitanda James Kanguuehi	Namibia	Master of Valuation	ICCR-Sponsored
17	Mr Shapath Salil Shah	USA	BArch	NRI
18	Ms Sajani Sapan Parikh	India	BArch	NRI-Sponsored
19	Ms Tusha Shankermohan Garg	India	BArch	NRI-Sponsored
20	Mr Devansh Maunang Patel	India	BArch	NRI-Sponsored
21	Ms Aanchal Ajay Agrawal	India	BArch	NRI-Sponsored
22	Mr Shivang Sandip Rao	India	BArch	NRI-Sponsored

23	Ms Ameer Atulkumar Amin	Tanzania	MBBS	NRI
24	Ms Nikita Shailesh Patel	USA	MBBS	NRI
25	Mr Adeet Hemantkumar Mehta	USA	MBBS	NRI
26	Mr Jay Yogesh Patel	USA	MBBS	NRI
27	Mr Rishirraj Ghanshyam Gadhvi	UK	MBBS	NRI
28	Ms Ruju Milan Doshi	USA	MBBA	NRI
29	Ms Divyanshi Jayantilal Shani	India	MBBS	NRI-Sponsored
30	Ms Deepanjali Ashok Mahida	India	MBBS	NRI-Sponsored
31	Mr Aditya Bharatkumar Pandya	India	MBBS	NRI-Sponsored
32	Mr Neel Bharatkumar Patel	India	MBBS	NRI-Sponsored
33	Ms Parthavi Ketan Dani	India	MBBS	NRI-Sponsored
34	Mr Amar Rajiv Patel	India	MBBS	NRI-Sponsored
35	Ms Niyati Balmukund Shah	India	MBBS	NRI-Sponsored
36	Ms Rushita Bharat Gupta	India	MBBS	NRI-Sponsored
37	Ms Pankti Dushyantbhai Shah	India	MBBS	NRI-Sponsored
38	Mr Apurva Rameshchandra Shah	India	MBBS	NRI-Sponsored
39	Mr Jigar Hemantkumar Patel	India	MBBS	NRI-Sponsored
40	Mr Nishith Rajeshbhai Makwana	India	MBBS	NRI-Sponsored
41	Mr Vishal Bhupatbhai Sambada	India	MBBS	NRI-Sponsored
42	Mr Runa Avinashbhai Rajguru	India	MBBS	NRI-Sponsored
43	Mr Hashmukh Karshanbhai Chauhan	India	MBBS	NRI-Sponsored
44	Mr Harsh Shankarbhai Patel	India	MBBS	NRI-Sponsored
45	Mr Yagnik Vijaybhai Vyas	India	MBBS	NRI-Sponsored
46	Ms Meghabahen Bharatbhai Goswami	India	MBBS	NRI-Sponsored
47	Ms Shreyaben Kanubhai Patel	Australia	MSc (Integrated)	NRI
48	Ms Anu Kamlesh Shah	India	Interior Design	NRI-Sponsored
49	Ms Ankita Arvindbhai Andani	India	Interior Design	NRI-Sponsored
50	Ms Aneri Ashwinbhai Sheth	India	Interior Design	NRI-Sponsored
51	Ms Suhani Mukesh Kadia	Kampala	Interior Design	NRI
52	Ms Shimul Hitesh Chokshi	India	Interior Design	NRI-Sponsored
53	Ms Janki Mahendrabhai Patel	India	Interior Design	NRI-Sponsored
54	Ms Nirali Milanbhai Desai	India	Interior Design	NRI-Sponsored
55	Ms Khushboo Manish Shah	UK	IGBT	NRI
56	Mr Krunalbhai Indravadan Patel	USA	BPhysio	NRI
57	Ms Maitri Jayeshkumar Sheth	India	BPhysio	NRI-Sponsored
58	Ms Richa Patel	USA	BPhysio	NRI
59	Ms Tanzima Maqboolhusauin Bukhari	India	BPhysio	NRI-Sponsored

2.4 FACULTY/STAFF INFORMATION

The University has a fairly active and committed teaching faculty. The total teaching strength in the University Department is 162 out of which 87% are PhD holders. The teacher-student ratio is around 1:20 during the year 2011-2012. Besides teaching, the faculty is actively involved in research, extension, as well as contributions to academic/administrative life on the campus.

Numbers of academic staff by designation 2011-12

Name of the Post	No.
Professor	13
Associate Professor	47
Assistant Professor	100
Principal	01
Instructor	01
Total	162

New appointments made in the year 2011-12

Name of the Post	No.
Professor	--
Associate Professor	02
Assistant Professor	08
Total	10

Faculty wise, departmentwise, and designationwise faculty strength in 2011-2012

Name of Faculty	Strength	Department	Name of the Post	San. Post.	Post Filled			Post Vacant		
					M	F	Total			
Arts	49	Economics	Professor	02	01	--	01	01		
			Asso. Prof.	05	--	--	--	05		
			Asstt. Prof.	06	04	02	06	--		
		Sociology	Professor	01	--	--	--	01		
			Asso. Prof.	03	02	--	02	01		
			Asstt. Prof.	03	02	01	03	--		
		Psychology	Professor	01	01	--	01	--		
			Asso. Prof.	01	01	--	01	--		
			Asstt. Prof.	03	02	01	03	--		
		History	Professor	01	--	--	--	01		
			Asso. Prof.	01	--	--	--	01		
			Asstt. Prof.	02	02	--	02	--		
		Political Science	Professor	01	--	--	--	01		
			Asso. Prof.	01	01	--	01	--		
			Asstt. Prof.	03	02	01	03	--		
		Gujarati	Professor	01	01	--	01	--		
			Asso. Prof.	01	01	--	01	--		
			Asstt. Prof.	05	03	02	05	--		
		English	Professor	01	--	--	--	01		
			Asso. Prof.	03	02	--	02	01		
			Asstt. Prof.	03	03	--	03	--		
		Hindi	Professor	02	01	--	01	01		
			Asso. Prof.	03	01	--	01	02		
			Asstt. Prof.	05	04	01	05	--		
		Drama Performing Arts	Instructor	01	01	--	01	--		
		Sanskrit	Professor	01	01	--	01	--		
			Asso. Prof.	01	01	--	01	--		
			Asstt. Prof.	02	02	--	02	--		
		MLib Science	Asso. Prof.	02	--	01	01	01		
			Asstt. Prof.	01	01	--	01	--		
		Total				66	40	09	49	17
		Business Studies	08	Business Studies	Professor	02	--	--	--	02
					Asso. Prof.	04	03	--	03	01
					Asstt. Prof.	07	04	01	05	02
		Total				13	07	01	08	05
		Education	20	Education	Professor	01	01	--	01	--
					Asso. Prof.	03	01	01	02	01
					Asstt. Prof.	03	02	--	02	01
				BEd College	Principal	01	01	--	01	--
					Asstt. Prof.	18	05	09	14	04
Total				26	10	10	20	06		

Name of Faculty	Strength	Department	Name of the Post	San. Post.	Post Filled			Post Vacant		
Home Science	05	Home Science	Professor	01	--	01	01	--		
			Asso. Prof.	01	01	--	01	--		
			Asstt. Prof.	04	--	03	03	01		
Total				06	01	04	05	01		
Management	08	MBA	Professor	03	01	--	01	02		
			Asso. Prof.	04	03	--	03	01		
			Asstt. Prof.	05	03	01	04	01		
Total				12	07	01	08	04		
Science	72	Physics	Professor	05	02	--	02	03		
			Asso. Prof.	07	06	01	07	--		
			Asstt. Prof.	04	04	--	04	--		
		U.S.I.C.	Professor	01	--	--	--	01		
		Computer Sci.	Professor	01	--	--	--	01		
			Asso. Prof.	03	01	--	01	02		
			Asstt. Prof.	05	03	02	05	--		
		Chemistry	Professor	05	--	--	--	05		
			Asso. Prof.	11	06	--	06	05		
			Asstt. Prof.	14	06	01	07	07		
		Materials Science	Professor	01	01	--	01	--		
			Asso. Prof.	01	--	01	01	--		
			Asstt. Prof.	02	01	01	02	--		
		Biosciences	Professor	03	02	--	02	01		
			Asso. Prof.	08	04	01	05	03		
			Asstt. Prof.	09	06	02	08	01		
		Mathematics	Professor	01	--	--	--	01		
			Asso. Prof.	04	02	01	03	01		
			Asstt. Prof.	08	06	01	07	01		
		Statistics	Professor	01	--	--	--	01		
			Asso. Prof.	03	02	01	03	--		
			Asstt. Prof.	03	02	--	02	01		
		Electronics	Professor	01	--	--	--	01		
			Asso. Prof.	02	01	01	02	--		
			Asstt. Prof.	04	03	01	04	--		
		Total				107	58	14	72	35
		Grand Total				230	123	39	162	68

State of origin of academic staff in 2011-12

State	No. of Teacher	Percentage
UP & Uttarakhand	04	2.47
Delhi	01	0.62
West Bengal, Orissa & Assam	02	1.23
Kerala, Karnataka & Tamil Nadu	06	3.70
Madhya Pradesh	01	0.62
Maharashtra & Gujarat	136	83.95
Andhra Pradesh	10	6.17
Haryana	01	0.62
Rajasthan	01	0.62
Total	162	100

Strength of non-teaching staff in the university in 2011-12

Type of Staff	No.
Group A	19
Group B	09
Group C	200
Group D	115
Total	343

Number of SC/ST teaching and Non-Teaching Staff in 2011-12

Category	SC	ST	Total
Teaching	13	09	22
Non-Teaching	37	19	56
Total	50	28	78

No	Department	Academic		Technical		Administrative	
		M	F	M	F	M	F
1	Physics & Instrumentation Workshop	12	01	10	---	08	---
2	USIC	---	---	05	---	---	---
3	USIC Level II to Level III	---	---	02	01	01	---
4	Post BSc Diploma course in Computer Science & Application	01	01	---	---	---	---
5	University Computer Centre	---	---	08	02	03	---
6	Master of Computer Application Course	03	01	---	---	---	---
7	Chemistry	12	01	07	02	14	---
8	Materials Science	02	02	--	01	06	---
9	BioSciences	12	03	09	--	08	---
10	Mathematics	08	02	---	---	---	---
11	Statistics	04	01	---	---	01	---
12	Home-Science	01	04	---	---	---	01
13	Electronics	04	02	02	---	01	---
14	Economics	05	02	---	---	---	---
15	Business Studies	07	01	---	---	---	---
16	MBA	07	01	---	---	06	01
17	Sociology	04	01	---	---	---	---
18	Psychology	04	01	---	---	---	---
19	History	02	---	---	---	---	---
20	Political Science	03	01	---	---	---	---
21	Gujarati	05	02	---	---	---	---

22	English	05	---	---	---	---	---
23	Hindi	06	01	01	---	03	---
24	Drama Performing Arts	01	---	---	---	---	---
25	Sanskrit	04	---	---	---	---	---
26	Education	04	01	---	---	---	---
27	Master in Library & Information Science	01	01	---	---	---	01
28	Administrative Unit Humanities & Social Sciences	---	---	---	---	13	---
29	MB Patel College of Education	06	09	---	01	11	01
30	VIII Five Year Plan Posts History	01	---	---	---	---	---
31	University General Administrative Office	---	---	---	---	104	09
32	Estate Section	---	---	09	---	09	---
33	Physical Education & Recreation	---	---	02	---	04	---
34	Examination Reforms Unit UGC	---	---	---	---	01	---
35	Special Cell for SC/ST	---	---	01	---	01	01
36	Museum & Archaeology	---	---	02	---	03	---
37	University Health Centre	---	---	02	01	02	---
38	Men's Hostel No 1 to 3	---	---	---	---	06	---
39	Women's Hostel	---	---	---	---	---	04
40	Bhaikaka Library Students Home	---	---	06	03	22	05
41	University Press	---	---	13	02	---	---
Total		124	39	79	14	227	23

2.5 NEW APPOINTMENTS MADE IN 2011-2012

Name of the Departments	New Appointments made
Library Information Science	One Project Fellow appointed under UGC-MRP – ‘Rural Information Centre for Anand District’
Physics	UGC Meritorious Fellowship (RFSMS)

2.6 TEACHING-LEARNING AVENUES

Besides formal lectures and experiments in the laboratories, teachers use an array of other methods of teaching-learning such as lecture-cum-workshop, guest lectures by experts, projects, case studies, and summer training, supported by computer and Internet facilities, and special efforts made to prepare the learners to take NET-JRF, participation in research seminars in the department concerned. The following are the details:

(1) SEMINARS/GUEST LECTURES/CONFERENCES

There is a provision for obligatory Students Seminars in each subject in Basic Sciences in each semester. Thus in every semester, every student has to present one seminar in each paper. Besides these there are weekly departmental researches seminars conducted during the year in the Departments like Department of Mathematics, Department of Physics, Some laboratories in the Department of Biosciences which are accessible to PhD, MPhil, MSc students. The research conferences and other guest lectures are organized during the year.

(2) PROJECTS AND SUMMER TRAININGS

- (a) There is provision for mandatory research projects in the last semester in the Departments of Biosciences, Home Science, Statistics, and Master in Quality and Productivity and in Computer Science. In the Department of Business Management, students have to prepare a term paper.
- (b) There is a provision for optional research projects in Department of Physics and Department of Mathematics.
- (c) In the Department of Social Work there is a provision for mandatory field trip.

(3) LIST OF MSc PROJECTS FROM THE DEPARTMENTS

DEPARTMENT OF ELECTRONICS

I-Semester (Individual)	
1.	Digital Channel Selector
2.	Automatic Street light Controller
3.	Electronic Lock
4.	Intelligent Switch
5.	Twilight Switch
6.	Ultrasonic Radar
7.	Security System
8.	All in One Alarm
9.	Water Heater Controller
10.	IR Remote Switch
11.	Auto Power Controller
12.	Mains Failure Alarm
13.	Office Call Bell System
14.	Frequency Measurement on multi meter
15.	Mains wiring fault detector
16.	IR remote control switch
17.	Digital Code Lock
18.	Office called bell
19.	Heart beat monitor
20.	Automatic control for outdoor lights
21.	Square & triangular wave generator
22.	Automatic room power controller
23.	Touch operated digital volume controller
24.	Versatile power supply
25.	Touch operated volume control
26.	Hand washing system
27.	Flash type ADC
28.	Adjustable power supply
29.	Electronic harmonium
30.	Auto torch light with melody
31.	Tele visage
32.	Digital stopwatch

33.	Intelligent switch
34.	Ultrasonic switch
35.	High order band stop filter
36.	Infrared switch
37.	Dual Power Supply
38.	Automatic street light controller
39.	Remote control for home appliance
40.	Power Supply (Fixed Voltage)
II-Semester (Group Projects)	
1.	DC Motor Speed Controller
2.	8-bit ADC Interface
3.	LCD interfacing using parallel port (using C Language)
4.	Stepper Motor Controller using C Programming (Mouse Interface)
5.	Interfacing 0800 ADC on parallel Port
6.	16x2 LCD Interfacing
7.	Multiple Seven Segment Display using C language
8.	16-Relay Board Controller Via PC Parallel Port
III-Semester (Group Projects)	
1.	Fabrication & Characterization of Thin Film Capacitance by sputtering technique
2.	Structural study and measurement of optical band gap of Semiconductor Thin film
IV-Semester (Group Projects)	
1.	PLC based Bottle Feeling Plant
2.	PLC based Paper Winding Machine control
3.	PC based Humidity/Temperature Control System
4.	Temperature control system using Microcontroller
5.	Humidity/Temperature Control for Green house effect using Microcontroller
6.	Computer Network using wireless Technology

DEPARTMENT OF HOME SCIENCE

Name of the Teacher	Title
Dr V H Patel	Carotenoides & Tocotrienol content & Antioxidant potential of Annatto Seed.
	Preparation of Kidney Beans & Peas tempeh & Evaluate for their nutraceutical property.
	Total antioxidant capacity of different brands of Chyawanprash.
	Hypoglycaemic & Antioxidant capacity of Amla meal alone & in combination with Psyllium Husk.
	Hypoglycaemic & Hypolipidemic effect of Indian gooseberry meal in experimentally induced Diabetes in Albino Rat.
	Antioxidant effect of Indian gooseberry meal in experimental induced diabetes in Albino rat.
	In Vitro Antioxidant potential of hibiscus sabariffa & Rosmarinic officinal is...
	Total antioxidant capacity of breast milk.
	Hepatoprotective effect of hibiscus & Rosmarinic on ccl, induced hepatotoxicity in adult rat.
Dr Rema Subhash	Wine production using yeast cells immobilized on guava pieces & comparison with free cells.
	Optimization of enzyme concentration(s) for higher yield and clarity of Carrot juice, Banana pulp & their mixture.
	Assessment of wine production using immobilized yeast cells on Apple pieces & comparison with free cells.

	Biochemical & Molecular Methods for Isolation & identification of <i>Escherichia coli</i> from a milk based product Rabri.
	Fermentation & Evaluation of experimental bread incorporating lactobacillus casei immobilized on apple pieces.
	Hypolipidemic effect of OAT-bran Idada supplemented for 4 weeks on the serum lipid profile of hypercholesterolemic subjects aged between 45 to 75 years.
	Effect of supplementation of mixed juice consisting of beet root, carrot & mint leaves fed along with dried dates on the iron status of young college going girls.
	Effect of feeding bottle gourd (<i>Legendaries cineraria</i>) juice on body weight reduction & plasma lipid profile of younger (20-30 year) & older (31-60) obese adult female subjects.
	Quality evaluation of fruit juices from different sources (pure fruit juice, branded juice, locally sold & reconstituted squashes).
	Effect of feeding experimental mukhwas incorporating lemon peel powder on the anthropometric & plasma lipid profile of adult female subjects.
	A research study on literacy on child bearing age gap between pregnancies & pregnancy complications.
Dr M S Acharya(Rtd)	Ergonomic assessment of the activities carried out by the workers in farsan shops in Anand district.
	A study of purchasing practices with regards to selected house hold items among the respondents of selected professions.
	A study of physiological load & psychological perception of work among selected food unit workers.
	A comparative study of knowledge possessed & problems faced in learning interior design course by Home Science students.
	An Ergonomic assessment of selected activities carried out in bakery & sweets shop.
	A study of selected aspects of the hostel satisfaction among girl students residing in private hostel of VVNagar.
Dr Namrita Kola	A study on the floor art of Maharastra (Rangoli) & its depiction on the accessories & Souvenirs.
	A study of parsi gara embroidery, its modification and application on some articles to increase awareness of this embroidery.
	A study on documentation of traditional costume of Mer & Ahir communities of Saurashtra (Gujarat).
	To study different embellishment on jute viscose fabric for house hold textiles.
	A study on designing sarees using Georgette & brasso with crocheting.
	Experimental study of appliqué work & its application on knitted T shirt for college going girls.
Dr Neeta Dave	Carotenoides & total antioxidant capacity of <i>anethum graeolens</i> .
	Effect of elicitor (Ascorbic Acid) on the total phenolics, total antioxidant activity & enzyme response in germinated moth bean (<i>Vilna Acontifolia</i>) & Cow pea (<i>Vigna Ungiucultatus spp</i>)
	Physiochemical characteristics of an antioxidant rich juice & its effect on the serum antioxidant status & Lipid profile of young females.
	A study on plasma antioxidant status & lipid profile among smokers & non smokers.
	A comparative study on the antioxidant properties & antimylase activity of <i>citrus media</i> , <i>citrus aurantifolia</i> , <i>citrus</i> , <i>Lemon</i> (Yellow& Green).
	Effect of feeding flaxseed & amaranth seed powder incorporated Laddu

	on total antioxidant capacity & Haematological status of young females.
	Preparation & quality evaluation of fruit yoghurt from different milk.
Dr Jisha Elias	Isolation of amylase producing microorganisms & enhancing their property by UV Irradiation.
	Developing an antioxidant rich probiotic drink.
	Rapid detection of food borne pathogens by molecular techniques.
	Evaluation of the probiotic potential of lactic acid bacteria isolated from the faeces of breast fed infants.

DEPARTMENT OF MATERIALS SCIENCE

No.	Students Name	Title
1	Girdhari Sisodiya, Manish Vaghela	Synthesis of anatase nanocrystalline TiO ₂ by Sol-gel Method
2	Ranjithsingh Zala, Sidharth Gokhale	Preparation and characterization of activated carbon from demineralised tyre char
3	Hiren Patel, J S Sindhav	Carbon Foam from Biomass
4	Dharmesh Nandanj, Jaydeep Chokrobarthy, Pankaj Rathode	Synthesis of Nitrogen enriched activated carbon for CO ₂ capture
5	Bhavesh Patel, Gaurav Dansi, Narendra Varma	Activated carbon from Biomass
6	Malay Maji, Tarak maiti	Growth of graphene on copper substrate
7	Amitara Banerjee, Srimantha barai	Synthesis of TiO ₂ by sol-gel and carbothermal reduction Method
8	T Bhandari, T Baishya	Carbon Nanotubes reinforced epoxy nanocomposites
9	Viral B Patel, Vishal R Shekhvani	Preparation and Characterization of Hybrid composites from Glass carbon reinforced and epoxy matrix
10	Karen Freitas	Preparation of polymer clay nanocomposites film by Electro deposition Method
11	Dharmesh Prajapati, Jenith Hirapara	Synthesis and Characterization of Silica Nanoparticles by sol-gel method
12	Vaishali Shukla	Preparation and Characterization of silver nanoparticles at high concentration

DEPARTMENT OF MATHEMATICS

No.	Name	Name of Supervisor	Topic of the project
1	Manish K Pandey	Dr D J Karia	Completion of Metric Spaces and Uniform Topological Spaces
2	Rakshit S Upadhyay	Dr P A Dabhi	Understanding Hermite Polynomials in Harmonic Analysis and Banach Algebras Associated with Commutative Banach algebra
3	Ashish K Dhokiya	Dr G B Deheri	Fixed Point Theorems

4	Himani K Raulji	Dr H V Dedania	Some Famous Theorems on Topological Space and Their Applications
5	Juhi R Sonpar	Dr A H Hasmani	Similarity Techniques in Differential Equations: Dimensional Analysis
6	Hinal V Gadhiya	Prof R D Mehta	Complete Metric Spaces and its Applications
7	Rakshita A Patel	Prof A B Patel	Shift Operators
8	Kalpesh B Oganja	Dr P A Dabhi	Inverse Semigroups and *-Semigroups
9	Nikita V Thacker	Dr H S Mehta	Projection Operators
10	Keval V Pandya	Mr S J Ghevaria	Probability and Cox-Ross-Rubinstein Model
11	Pallav D Shah	Mr S J Ghevaria	Futures Markets and Futures Options

DEPARTMENT OF PHYSICS

Project guide (faculty)	Name of students	Project Title
Prof A R Jani	Akanshaben Dhirubhai Dalwadi Amit Jagdishbhai Rawal Ankur Ratibhai Patel Brijesh Harnishkumar Bhatt Jitendrakumar Mahijibhai Padhiyar	Solar Cooker Phonon Dispersion Curve for BCC (Sodium) and FCC(Aluminum) Phonon Dispersion Curve for BCC (Sodium) and FCC(Aluminum) Solar Cooker Solar Cooker Measurement
Prof K N Joshipura	Abhishek Batukbhai Patel Animesh Birendrakumar Roy Ashvinkumar Natvarlal Raval Bhagyashree Balkrishn Gupta Vinayakkumar Kantilal Patel	Energy Science and Technology Energy Science and Technology Energy Science and Technology Energy Science and Technology (Weather Station) Energy Science and Technologies
Prof P K Garg	Bhumika Laxman Lakhani Bhumikaben Kanaiyalal Patel Chirag Kaushikbhai Patel Dipikaben Hemantbhai Patel Hardikkumar Kiritbhai Patel Ashokkumar Meghajibhai Gujarati	Automatic Switching Street Light using LDR 4-Bit BCD Adder AM Radio Automatic Street Light 4-Bit BCD Adder
Prof A T Oza	Chandragar Dineshbhai Maurya Dhara Bharatkumar Patel Harshidkumar Mukeshkumar Bhatt Harshkumar Gordhanbhai Savaliya Pankaj Devji Sorathiya	LDR and its Temperature Dependence Wavelength Variation of AC h-parameters of Phototransistor Wavelength Variation of AC h-parameters of Phototransistor LDR and its Temperature Dependence
Prof U H Patel	Hashmukhbhai Karshanbhai Ahir Dharaben Vitthalbhai Patel Dipakkumar Chunilal Gogari Farhan Mahammadhnifbhai Mafat Alpeshkumar Guvantbhai Prajapati	Characterization of the natural dolomite by X-ray technique & thermo gravimetric analysis(TGA) and differential scanning calorimetric (DSC) & Crystal growth Measuring Vibrational Frequency with Light

Prof P C Vinodkumar	Grishmaben Prafulchandra Dabhi Hardikkumar Karansinh Desai Hina Chandrashekhar Dalal Jagdish Gandubhai Bhesaniya Neena Bachan	Crystal Growth Simulation of Thiurea Crystal A Study on low energy Electron Gun Characteristics A Study on low energy Electron Gun Characteristics A Study on low energy Electron Gun Characteristics
Prof V M Pathak	Urvish Parmanand Patel Jigneshbhai Himatbhai Malviya Jigneshkumar Prataprai Jani Kuldeep Natvarlal Chhag Preksha Sandipbhai Oza	Construction and Applications of Waveguides Spectroscopic Analysis of Polypyrrole (PPY)
Prof M P Deshpande	Vivek Pareshbhai Gujarati Hinalben Dhansukhbhai Patel Nidhi Mukeshkumar Astik Nija Prakashbhai Patel Rajani Harishchandra Joshi	Crystal Growth by Low Temperature Solution Growth Method Crystal Growth of Calcium Oxalate by Gel Method Water Level Detector using IC Timer 555 Crystal Growth of Calcium Oxalate by Gel Method
Dr B Y Thakore	Ishvarbhai Anandbhai Patel Jayvadan Rajnikant Parekh Pratik Sunilbhai Gay Sachinkumar Rameshbhai Patel Dhruval Mukeshlall Aytoda	Nomogram and its Application Barndoor Mount Gyroscope Dobsonian Mount
Dr K D Patel	Ketan Mahendrakumar Amin Sagarkumar Manubhai Patel Soheb Chandbhai Shaikh Upagnabahen Ramanlal Patel Rinaben Bhikhabhai Sheta	Current-Voltage Characteristics of a p- SnSe/n-MoSe ₂ Hetrojunction Diodes Current-Voltage Characteristics of a p- SnSe/n-MoSe ₂ Hetrojunction Diodes Current-Voltage Characteristics of a p- SnSe/n-MoSe ₂ Hetrojunction Diodes Current-Voltage Characteristics of a p- SnSe/n-MoSe ₂ Hetrojunction Diodes
Dr G K Solanki	Madhavi Pravinkumar Sharma Marthal Thersal Antonysamy Raginibahen Prakashkumar Prajapati Riteshkumar Mohansinh Pateliya Ishita Lincolnbhai Chauhan	Anisotropy Behavior of as grown GeS _x Se _{1-x} Crystals Resistivity and thermoelectric power measurement of as grown GeS _x Se _{1-x} Measuremnt of Hll Parameters f Grown GeS _x Se _{1-x} Crystals Growth and Mott-Schottky Evaluation of GeS _x Se _{1-x} Crystals
Dr S H Chaki	Jigar Arvind Jethva Utkarsh Axay Parikh Vimalkumar Bhavarlal Shah Yogeshkumar Bhogilal Patel Sejalkumari Vinodchandra Bhagat Hardikkumar Jayantibhai Joshi	Optical Study of CBD Synthesis Cds thin film Hall Effect Measurement on WSe ₂ Single Crystal and Analysis of Sun Spots Optical Studies of Chemical Bath Deposition grown CuS thin Film Hall Effect Measurement on WSe ₂ Single Crystal and Analysis of Sun Spots Optical Study of CBD Synthesis Cds thin film

Dr N K Bhatt	Sonali Dashrathbhai Patel Sumit Yashvantbhai Narvane Tabassum Khushnoorkhan Pathan Vishalkumar Pravinbhai Joitaram Patel Harshad Jitubhai Trivedi Mayuriben Vikramsinh Vaghela	The Computational Aspect of Crystallography of Inert gas Neon The Computational Aspect of Crystallography of Inert gas Argon Computational aspect on Crystal Binding The Computational Aspect of Crystallography of Inert gas Argon The Computational Aspect of Crystallography of Inert gas Argon Infrared Detector
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(4) COMPUTER TRAINING / INTERNET CONNECTIVITY

The University Computer Centre, which manages all the Internet connections in the University, provides training to students in the use of the Internet as a knowledge resource. It does this through an optional paper or as a part of the curriculum it has on offer. All the University Departments have Internet connectivity, which is how it could be made easily accessible to the MPhil and PhD students in the Department concerned. The University Library provides access to online journals through INFLIBNET. It also hosts University Cyber Café.

(5) SPECIAL EFFORTS FOR NET-JRF/GATE

Special efforts are being made in several University Departments for training meritorious students and those from SC, ST, and Minority categories for Competitive Exams at the national level like NET-JRF/GATE. One day workshops for training for NET-JRF/GATE were organized in every science department as well as the Department of Business Studies. Also a week long workshop was organized by the Department of Mathematics for the students in Gujarat State.

(6) DEPARTMENTAL LIBRARIES

The University has promoted the concept of Departmental Libraries and offers full support in the establishment and enrichment of these in each of the Postgraduate Departments, the details of which have been made available elsewhere in this Report. The Departmental Libraries supplement the Bhaikaka Library, which is the Central University Library. The Department of Mathematics has the Western Region Library supported by the National Board for Higher Mathematics, Departmentment of Atomic Energy, Government of India. This is one of the 11 such Regional Libraries in Mathematics across India.

(7) ACADEMIC TOURS ORGANIZED IN 2011-2012

No	Department	Place of Visit	Purpose
1	Electronics	---	Students (46) of MSc (Electronics) II Semester were placed in to twenty two different Industry/ Organizations for period of 4 to 6 weeks as a part of Summer Vacation Training. They have successfully completed their training and submitted a report. The training work was evaluated as a part under University examination – PS03CELE06 (Viva-voce)
2	Library & Information Science	Ahmedabad	To visit various Libraries for observational study on 26/02/2012
3	Social Work (MSW)	Panchmahals	Rural Camp – MSW
		Kapdwanj, Kheda	Study Camp – MHRM

4	Political Science	New Delhi	New Delhi (Indian Parliament, President House & Supreme Court of India)- Educational Tour
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2.7 EVALUATION

The Examination Section, in consultation with the University Departments and Colleges draws up an annual plan for holding semester/annual examinations at the beginning of any academic year, and follows this plan meticulously. The results are announced well in time.

Each of the Papers has a total weighting of 100 marks with 70% set aside for University through final qualifying examinations and 30% for continuous internal assessment consisting of tests, seminars and quizzes. Thus, the examinations in the University comprise of two components: external and internal evaluation. With the introduction of CBCS the University also revised the question paper style. This now comprises of an objective component and a well-balance unitwise questions to facilitate the students prepping for examination a question bank for each paper is prepared and circulated among the students. The questions set usually require a reasonable amount of knowledge and skills pertaining to a course in a given unit from a student. We have a transparent system of allowing the students to see their marked scripts after every internal test and the examiner concerned takes time to discuss with his/her students the nitty-gritty of evaluation. The provision of blind assessment (the scripts are flapped!), and blind reassessment by teachers outside the university for students on the PG courses, and the teachers of the Postgraduate Department concerned in the University for the undergraduate examinations are made. What is more, there is moderation of assessment at undergraduate level examinations.

(1) Information about examinations held under Yearly, Semester and CBCS system.

No.	Faculty	Yearly System	Semester System	CBCS System
1.	Arts	---	BA, BSW, BLib Science MSW, MA, MPhil	BA, BSW, BLib Science MSW, MA, MPhil
2.	Science	---	BSc, BCA, MSc, MSc Integrated Biotechnology Course	All PG Diploma, BSc, BCA, MSc, MSc Integrated Biotechnology Course
3.	Business studies	---	BCom, MCom, BCom (Hons)	BCom, MCom, BCom (Hons)
4.	Law	Diploma in Law	LLB, LLB (Special) LLM	LLB, LLB (Special) LLM, BCom (LLB), BBA (LLB), BA LLB (Hon)
5.	Home Science	---	BSc (Home Science) MSc (Home Science)	BSc (Home Science) MSc (Home Science)
6.	Education	---	BEd, BEd (English Medium) & MED	BEd, BEd (English Medium) & MED
7.	Medicine	MBBS, MD, MS	---	---
8.	Homoeopathy	BHMS, MD	---	---
9.	Pharmaceutical Science	---	BPharm, MPharm	BPharm, MPharm
10.	Business Management	---	BBA, BBA (Hons) IT, BBA (Honors) HM & ITM BBA (ISM), BBA (FT), BBA (TTM/HM) MBA & E-Business	BBA, BBA (Hons) IT, BBA (Honors) HM & ITM BBA (ISM), BBA (FT), BBA (TTM/HM) MBA & E-Business
11.	Engineering & Technology	---	BE & ME	---

(2) Number of degree examination students registered, appeared, and passed out in 2011-12

No.	Name of Exam	Reg.	App.	Passed	FD	First	Second	Pass
1	BA	2393	2374	2072	172	514	857	533
2	TYBA (External)	266	254	144	-	1	55	88
3	MA	1223	1216	1101	25	258	763	55
4	BLib & Information Science	43	42	37	-	32	5	-
5	MLib & Information Science	8	8	8	-	8	-	-
6	BSW	223	222	222	13	115	93	1
7	MSW	334	334	333	88	200	42	3
8	BMusic & Dance	13	12	11	11	-	-	-
9	BInterior Design	37	37	37	6	11	20	-
10	Master of Interior Design	1	1	1	-	1	-	-
11	BSc	1906	1884	1372	133	328	622	289
12	BCA	1403	1375	912	26	105	375	406
13	MCA	94	91	87	9	91	32	5
14	MSc Physics	63	63	60	3	24	33	-
15	MSc Chemistry	375	374	-	29	142	190	8
16	MSc Pharmaceutical Chemistry	69	69	69	19	44	6	-
17	MSc Mathematics	67	67	60	13	17	22	8
18	MSc Statistics	25	25	22	-	7	10	5
19	MSc Electronics	46	46	46	3	26	16	1
20	MSc Instrumentation	11	11	11	5	3	3	-
21	MSc Biotechnology	266	266	200	17	129	112	2
22	MSc Botany	7	7	7	-	3	4	-
23	MSc Microbiology	211	211	196	3	43	143	7
24	MSc Zoology	14	14	14	3	5	5	1
25	MSc Biochemistry	54	54	53	3	14	35	1
26	MSc Environmental Science	43	43	43	10	30	3	-
27	MSc Information Science	135	135	135	59	67	9	-
28	MSc Integrated Biotechnology	124	124	124	27	66	31	-
29	MSc Industrial Biochemistry	5	5	5	2	3	-	-
30	MSc Materials Science	19	19	18	4	5	6	3
31	MSc Nanoscience	4	4	4	-	1	3	-
32	MSc Bioinformatics	26	26	26	4	14	8	-
33	MSc Plastics Technology	11	11	11	9	2	-	-
34	MSc Paints & Warnishing	-	-	-	-	-	-	-
35	MSc Industrial Chemistry	69	69	69	25	34	10	-
36	MQPM	52	51	51	4	24	20	3
37	BCom	1850	1829	1037	25	123	487	402
38	BCom (Honours)	39	39	38	6	13	14	5
39	MCom.	349	347	345	62	198	77	8
40	IV BBA	347	346	329	42	152	126	9
41	TYBBA	1747	1732	928	38	216	507	167
41	MBA	74	74	68	-	-	-	68
42	Masetr of E-Business	82	81	65	16	33	16	-
43	BEd	1070	1070	1068	-	1068	-	-
44	BEd (English)	94	94	94	-	94	-	-
45	BEd (Advanced)	81	81	81	-	80	1	-
46	MEd	92	92	86	-	86	-	-
47	BPEd	62	62	58	-	58	-	-
48	LLB (General)	193	189	139	1	6	120	12
49	LLB (Special)	167	164	128	-	10	144	4

50	LLM (Part-II)	37	26	6	-	-	6	-
51	BSc (Home Science)	137	136	136	18	58	51	9
52	MSc (Home Science)	79	79	79	-	44	32	3
53	BPhysiotherapy	52	52	51	-	32	-	19
54	MPhysiotherapy	8	8	8	-	-	-	8
55	MBBS	101	101	96	-	-	-	96
56	MD	18	18	18	-	-	-	18
57	MS	3	3	3	-	-	-	3
58	BHMS	166	165	101	-	7	94	-
59	MD Homoeopathy	23	23	22	-	-	-	22
60	BArchitecture	25	25	25	3	4	18	-
61	MUrban Planning	9	9	9	4	5	-	-
62	MA (Final) (External)	1280	1145	331	-	1	40	290
63	MSc (MLT) (Part-II)	63	63	55	-	34	21	-
64	MCom (External)	521	481	328	-	14	131	183
65	MHRM	134	137	67	63	3	1	-
66	MPA-(IV)	33	29	29	2	10	16	1

(3) Number of Diploma examinations students registered, appeared, and passed out in 2011-12

No.	Name of Exam.	Reg.	App.	Passed	FD	First	Second	Pass
1	PG Diploma in Media Studies	-	-	-	-	-	-	-
2	PG Diploma in Rural Social Work	-	-	-	-	-	-	-
3	PG Diploma in Disaster Management	-	-	-	-	-	-	-
4	PG Diploma in Functional Hindi	-	-	-	-	-	-	-
5	Diploma in Music & Dance	32	31	28	20	5	3	-
6	Diploma in Drama & Dramatics	-	-	-	-	-	-	-
7	PG Diploma in Computer Science Application	98	96	49	12	7	28	2
8	Post BSc Diploma in Instrumentation	4	4	4	2	2	-	-
9	Post BSc Diploma in Analytical Chemistry	-	-	-	-	-	-	-
10	PG Diploma in Polymer Science	-	-	-	-	-	-	-
11	PG Diploma in Business Administration	16	16	16	-	5	7	4
12	PG Diploma in Marketing management	8	8	7	-	-	-	-
13	PG Diplomain Human Resource Development	81	79	77	3	25	41	8
14	PG Diploma in Business Management	17	14	13	1	7	3	2
15	Diploma in Guidance & Counselling	-	-	-	-	-	-	-
16	Diploma in Labour Laws & Practice (DLP)	164	151	117	-	-	117	-
17	Diploma in Taxation Laws & Practice (DTP)	69	60	41	-	3	38	-
18	Dip in Pharmacy	-	-	-	-	-	-	-
19	Diploma in General Nursing	19	19	19	-	1	6	12
20	Diploma in Medical Laboratory Technology (DMLT)	67	64	55	-	21	32	2
21	DMRD (Radio-diagnosis)	1	1	-	-	-	-	-
22	DA (Anesthesia)	6	6	6	-	-	-	6
23	DLO (ENT)	1	1	1	-	-	-	1
24	DCH (Paediatrics)	2	2	1	-	-	-	1
25	Diploma in Orthopadics	2	2	2	-	-	-	2
26	DGO (Obst. & Gyanaecology)	2	2	2	-	-	-	2
27	Certificate Course SPSS	44	44	-	-	-	-	2

(4) Gold Medals awarded in 2011-2012

No.	Degree	Gold Medal
1	BA	03
2	MA	14
3	BLib	01
4	BInterior Design	01
5	MSW	01
6	MPhli (History)	01
7	BSc	16
8	MSc	24
9	BCA	01
10	MCA	04
11	BE	11
12	BArchitecture	02
13	ME	05
14	MTech	00
15	Master of Valuation	01
16	Master of Industrial Hygiene & Safety	01
17	BCom	03
18	MCom	02
19	BBA	01
20	MBA	02
21	Master of E-Business	01
22	LLB (General)	01
23	LLB (Special)	01
24	LLM	01
25	BSc (Home Science)	05
26	MSc (Home Science)	01
27	BPharm	01
28	MPharm	00
29	BEEd	02
30	BEEd (Advanced)	01
31	BEEd (English)	02
32	BPEd	01
33	MEd	02
34	MEd (English)	01
35	MBBS	10
36	MS (General Surgery)	01
37	MLib	01
Total		126

(5) List of gold medalist for the year 2011-2012

No	Name of the Exam	Name of the Gold Medal	Seat No and College and Department	Name And Address of the Students Awarded the Medal
1	BA	Sheth Hargovandas Lakhmichand Gold Plated Medal (Economic)	21 AAC	Divyaben Rameshbhai Prajapati
2	BA	Dr Omanand R Saraswat Gold Plated Medal (Hindi)	1073 AAC	Nimishabahen Savabhai Rathod
3	BA	Charotar Nagrik Sahakari Bank Ltd Gold Plated Medal (Gujarati)	1235 NSP	Mayankkumar Jagdishbhai Patel
4	B Interior Design	Parisar Trust Interior Design Gold Medal	08ID04	Ankita Agarawal

5	MA	Shri Shivabhai Marghabhai Patel Gold Plated Medal Psychology	1165	Niraliben Ashokbhai Patel
6	MA	Pandit Motilal Nehru Centenary Gold Plated Medal (Sanskrit)	585 Department	Hamirbhai Avadabhai Modhwadiya
7	MA	Sheth Rupsi Madhavji Memorial Sanskrit Gold Plated Medal	585 Department	Hamirbhai Avadabhai Modhwadiya
8	MA	Pancham Pithadhishwar Goswamiji Shri Govindlalji Maharaj Gold Plated Medal (Sanskrit)	585 Department	Hamirbhai Avadabhai Modhwadiya
9	MA	Prof RK Amin Gold Plated Medal (Economics)	790 Department	Pareshkumar Ramanbhai Bhura
10	MA	Late Shri Dahyabhai Tulsibhai Patel (Bakrol) Gold Plated Medal (Agricultural Economics)	665 Department	Kinjalkumar Rameshbhai Patel
11	MA	Late Prof Jashbhai Kashibhai Patel Smruti Suvarna Chandrak Gold Plated Medal (Gujarati)	481 Department	Priskilaben Kantibhai Chauhan
12	MA	Satyabala Vimochanrav Desai, Gujarati Gold Medal, (Gujarati)	481 Department	Priskilaben Kantibhai Chauhan
13	MA	Prof RA Dave Gold Plated Medal (English)	71 Department	Dipikabhen Kanaiyalal Kevlani
14	MA	Smt Kashiben Motibhai Lallubhai Patel (Ras), Gold Plated Medal (History)	1046 Department	Rajeshkumar Jashvantsinh Baria
15	MA	PGHistory Department Sardar Patel University Gold Plated Medal (History)	1059 Department	Urvikkumar Babubhai Patel
16	MA	Dr (Mrs) Cashmera P Bhaya, Gold Plated Medal (Sociology)	1092 Department	Arpitaben Anilkumar Patel
17	MA	Shri MG Merchant Smt Neelam Merchant & Dr Amrapali Merchant Gold Medal (Sociology)	1092 Department	Arpitaben Anilkumar Patel
18	MA- ELT	Charutar Vidya Mandal's H M Patel Gold Plated Medal, (ELT)	1230 HMPatel Institute	Faisal Hanifhasan Bhana
19	BLib	Dr Gordhanbhai Shanabhai Patel, Gold Plated Medal	01 Department	Alpeshkumar Rameshbhai Parmar
20	MLib	Prof Chandrakant N Raval, Gold Medal	09 Department	Vaishaliben Harendrasinh Chauhan
21	MPhil	Smt Shardaben And Shri Manubhai Raghubhai Solanki, Gold Plated Medal (History)	231 CERLIP	Ravindrasinh Mahavirsinh Gohil
22	MSW	Shri R O Shah State Bank of India Employees Union, Ahmedabad Circle Gold Medal	292 AISW	Sweta Bharat Parekh

23	BSc	Smt Kamlaben Chandulal Desai, Gold Plated Medal (Chemistry)	658 VPM	Krunalkumar Narendrakumar Patel
24	BSc	Dr Kanubhai Chunibhai Desai Gold Medal (Chemistry)	658 VPM	Krunalkumar
25	BSc	DrB N Mankad Gold Plated Medal (Chemistry)	703 NVPAS	Niravkumar Harsukhbhai Sapariya
26	BSc	Smt Ramaben Ghanshyambhai Patel Gold Plated Medal (Botany)	1436 VPM	Josana Ajit Samal
27	BSc	Shri Babubhai Jashbhai Patel, Gold Plated Medal (Electronics)	907 VPM	Dakshina Trikamlal Ramolia
28	BSc	Shri Kuberbhai Vrajbhai Patel, Gold Plated Medal (All Branch)	39 VPM	Ravi Shivprasad Anuragi
29	BSc	Prin N D Desai Gold Plated Medal (Mathematics)	2132 VPM	Nileshkumar Vijaybhai Thakkar
30	BSc	Dipee Chemicals Private Ltd. (Ankleshwar) Gold Plated Medal Industrial Chemistry	35 VPM	Poorveshinh Dalpatsinh Rathod
31	BSc	Dr DARaval Gold Medal IndustrialChemistry	35 VPM	Poorveshinh Dalpatsinh Rathod
32	BSc	Charutar Vidya Mandal Gold Plated Medal, (Instrumentation)	2063 NVP	Jayana Bipinchandra Patel
33	BSc	Charutar Vidya Mandal Gold Plated Medal, (Biotechnology)	1020 M B Patel College of Education	Archana Rai
34	BSc	Charutar Vidya Mandal Gold Plated Medal (Environmental Science)	1853 NVP	Deepakkumar Soni
35	BSc	Charutar Vidya Mandal Gold Plated Medal (Information Science)	1456 NVP	Nidhi Nareshkumar Saini
36	BSc	Dr BR Patel Gold Medal (Genetics)	1928 NVP	Juli Jaysukhbhai Chavada
37	BSc	Dr BR Patel Gold Medal (Bioinformatics)	1672 NVP	Kaminibahen Thakorbhai Parmar
38	BSc	Dr H K Patel Charutar Vidya Mandal Gold Medal (Physics)	469 VPM	Jinya John Ghanshyam Bhavan,
39	MSc	Shri Ashabhai Baberbhai Patel, Gold Plated Medal (All Branch) (Mathematics)	04 Department	Ashmabanu Hamidbhai Rajavada
40	MSc	Prin ND Desai Gold Plated Medal (Mathematics & Statistics) Mathematics	04 Department	Ashmabanu Hamidbhai Rajavada
41	MSc	Purushottam L Patel of (Sojitra), Gold Plated Medal Mathematics	04 Department	Ashmabanu Hamidbhai Rajavada

42	MSc	Dr MD Avasare Gold Plated Meda(Chemistry) (Organic Chemistry)	167 Department	Piyushkumar Nanji Kalaria
43	MSc	Dr M R Patel Gold Plated Medal (Transpek Limited) (Chemistry) (Organic Chemistry)	167 Department	Piyushkumar Nanji Kalaria
44	MSc	Dr Ranchhodbhai Madhavbhai Patel Gold Plated Medal (Botany)	07 Department	Nehalbe N Amrutbhai Vadaviya
45	MSc	Prof Raojibhai Jijibhai Patel, Shashthi Purti Samaroh Gold Plated Medal (By Rotation) (Biosciences) Botany, Zoology, Biochemistry	02 Department	Ankita Bhandari
46	MSc	Prof SM Shah Gold Plated Medal (Statistics)	14 Department	Rajendra Ganpatrao Desai
47	MSc	O C Shah Usha Paints Gold Plated Medal (Paints & Varnishes)	07 ISTAR	Karan Kamlesh Thanawala
48	MSc	Soujanya Enterprises Gold Medal (Paints & Varnishes)	07 ISTAR	Karan Kamlesh Thanawala
49	MSc	Charutar Vidya Mandal Yashodharaben A Patel, Gold Plated Medal (Plastics Technology)	02 ISTAR	Danish Ahmed
50	MSc	Maharshi Dayanand Saraswati Gold Plated Medal Charotar Pradesh Arya Samaj Anand Microbiology	172 Department	Ragithakumari Prabhakaran Chruvattil
51	MSc	Charutar Vidya Mandal Dr R P Patel, Gold Plated Medal (Industrial Chemistry)	44 Istar	Virajkumar Jamanadas Bhanvadia
52	MSc	Dr AR Patel 60th Birthday Celebration Gold Plated Medal, (Physics)	22 Department	Smrutibahen Jagadishbhai Patel
53	MSc	Dr Chandrakant Chunibhai Desai, Gold Medal, (Physics), (Condensed Matter Physics)	22 Department	Smrutibahen Jagadishbhai Patel
54	MSc	P.Pu. Pramukhswami Maharaj Gold Plated Medal (Electronics)	05 Department	Brijeshkumar Kaushalkishor Prajapati
55	MSc	Maharshi Dayanand Saraswati Gold Plated Medal Charotar Pradesh Arya Samaj, Anand (Biotechnology)	46 Department	Dishita Dinesh Pate
56	MSc	Smt Meenakshi Subramaniam Gold Medal (Biotechnology)	46 Department	Dishita Dinesh Pate
57	MSc	Materials Research Society of India (Gujarat Chapter) Gold Plated Medal (Materials Science)	08 Department	Prabhakar Vijaykumar Jha
58	MSc	Shushilaben Manubhai Patel Gold Plated Medal (Information Science)	13 Istar	Jasmin Haribhai Gandhi

59	MSc	Charutar Vidyamandal Gold Medal (Environmental Science)	22 ISTAR	Mital Jethalal Thacker
60	MSc	Ajay R Bhatt (USA) Memorial Gold Medal (Bioinformatics)	16 Department	Parul Pawan Agrawal
61	MSc	Dr Rallabhandi Sailaja's Memorial Gold Medal, (Zoology)	09 Department	Pushpaben Laxmanbhai Damor
62	MSc	Prof I L Kothari Gold Medal, (Zoology)	04 Department	Bhakti Rameshbhai Patel
63	BCA	Late Shri Tribhuvandas K Patel The First Managing Trustee of Sardar Patel Education Trust Anand Gold Plated Medal	718 MBP	Rohoni R Nair
64	MCA	Shri Purushottamdas Shivabhai Patel (Nar) Gold Plated Medal	111 Department	Manshi Bharat Shah
65	MCA	Late Shri Praffulchandra Ambalal Patel Gold Plated Medal	111 Department	Manshi Bharat Shah
66	MCA	Shri R Subramaniam Gold Medal	111 Department	Manshi Bharat Shah
67	MCA	Smt Hansaben Rameshbhai Patel Mahudha (Anand) Gold Medal (MCA & MCA Lateral)	111 Department	Manshi Bharat Shah
68	BE	Prin S B Junnarkar Gold Plated Medal (Civil)	08CE174 BVM	Zuzar Nurooddinbhai Pitolwala
69	BE	Late Shri Mahendrabhai Gordhanbhai Patel Gold Plated Medal (Civil)	08CE174 BVM	Zuzar Nurooddinbhai Pitolwala
70	BE	Shri R J Thakar Gold Medal (Civil)	08CE174 BVM	Zuzar Nurooddinbhai Pitolwala
71	BE	Prof VK Padmanabhan Gold Medal (Civil)	08CE174 BVM	Zuzar Nurooddinbhai Pitolwala
72	BE	Smt Snehlata M Thakar Gold Medal (Lady Topper) (Civil)	07CE112	Fatema Kaizar Lanewala
73	BE	Prof N Bhattacharya Gold Plated Medal (Mechanical)	07ME559 BVM	Devendrasingh Jashpalsingh Dhiman
74	BE	HMT Limited Gold Plated Medal (Mechanical)	07ME559 BVM	Devendrasingh Jashpalsingh Dhiman
75	BE	Late Maganbhai Shankerbhai Patel (Karamsad) Gold Plated Medal (All Branches)	07ME559 BVM	Devendrasingh Jashpalsingh Dhiman
76	BE	Dr Raja Baldeodas Birla Gold Plated Medal (Electrical)	07EE513 ADIT	Shyam
77	BE	Smt Shantaben Ambalal Patel Gold Plated Medal (Computer)	07CP623 GCET	Gaurav Ashokkumar Khandelwal
78	BE	Late Jigar Jitendra Patel Gold Plated Medal, (Electronics)	07EL462 BVM	Shaifaliben Pravinchandra Malukani

79	BE	Shri Bhaikaka (Bhailalbhai Dyabhai Patel), Gold Plated Medal, (Information Technology)	07IT911 BVM	Nakul Soni
80	BE	Shri Bhikhabhai Kuberbhai Patel, Gold Plated Medal (Chemical)	07CH022 GCET	Abhisek Ashok Baheti
81	BE	Prof J G Shah Gold Plated Medal, (Electronics & Communication)	07EC204 ADIT	Arpan Hareshbhai Vaidya
82	BE	Late Shri Kanaksinhji Amarsihji Vaghela Gold Plated Medal (Mechatronics)	07MC506 GCET	Spandan Harin Vadodaria
73	BE	Hardik H Patel- ADIT, Charutar Vidya Mandal Gold Medal, (Food Processing & Technology)	07ft344 ADIT	Vishal Bipinchandra
For Year 2010				
74	ME	Charutar Vidya Mandal Gold Medal (Construction Engineering & Management Technology)	08CM101	Nirav Jugalkishor Raval
75	ME	Charutar Vidya Mandal Gold Medal (Structural Engineering)	08SE601	Dakshesh Dineshchandra Bhatt
76	ME	Charutar Vidya Mandal Gold Medal (Mechanical Machine Design)	08ME504	Rajeshkumar
77	ME	Charutar Vidya Mandal Gold Medal (Electrical Power System)	08EE212	Nilaykumar Arvindbhai Patel
78	ME	Charutar Vidya Mandal Gold Medal(Computer Engineering)	08CP908	Gopi Tushar Bhatt
For Year – 2011				
79	Master of Valuation	Smt Vasantben Chunilal Shah, Gold Plated Medal (Real Estate)	09VR802	Arjun Ravindra Kulhar
80	Master of Industrial Hygiene And Safety	Charutar Vidya Mandal Gold Medal	09IH408	Krunal Damodarbhai Gohel
81	B Architecture	Parisar Trust Architecture (Gold Medal)	05SA106	Garima Singh
82	B Architecture	Late Ar Suryakant Patel Gold Medal	05SA106	Garima Singh
83	BCom	The Bank of India Prize Gold Plated Medal (Adv Banking)	1381 BJVM	Vipul Vasudevbbhai Gohil
84	BCom	Shri Hassam Premji Gold Plated Medal (Over All)	786 ACC	Punita Dhansingh Rajporohit
85	BCom	Dahiben Vallabhbbhai Patel (Mahelav) Gold Plated Medal, Advanced Accounting & Auditing	786 ACC	Punita Dhansingh
86	MCom	Mafatlal Industries Limited, Gold Medal	10 Department	Anuj Vijay Bhatia
87	MCom	Prof Manubhai M Shah Gold Medal	10 Department	Anuj Vijay Bhatia
88	BBA	Ashabbhai Baberbhai Patel (Anand) Gold Plated Medal	545 CPP	Niravkumar Arvindbhai Dani

89	MBA	Gordhanbhai Hathibhai Patel, Gold Plated Medal (Marketing Management)	09M35 Department	Roma Parsottam Yadav
90	MBA	Smt Chandan M Parikh Memorial Trust (Sankheda) Gold Plated Medal (Financial Management)	09F39 Department	Shilpi Sureshkumar Agarwal
91	ME Business	Charutar Vidya Mandal's Dr Rajnikant Muljibhai Patel, Gold Plated Medal	67 SGM	Nilkanth Rajnikant Ray
92	LLB General	The Anand Mercantile Co-Operative Bank Limited, Gold Plated Medal	28 ALC	Darshna Narendrabhai Dalwadi
93	LLB Special	Justice Chaturbhai N Patel, Gold Plated Medal	88 ALC	Pallavi Narendrabhai Chauhan
94	BEd	Shri Chaturbhai Ichchhabhai Patel, Gold Plated Medal	415 AEC	Meghanababen Kanubhai Parekh
95	BEd	Shrimati Ansuyaben Natvarlal Pancholi Gold Plated Medal	434 NHP	Chetnaben Prabhatsinh Sindha
96	BEd Advanced English Medium	Dr CL Patel Anupam Gold Medal	18 Way Made College	Tasneemben Ameenbhai Vohra
97	BEd English	Shri B C Patel Gold Plated Medal	08 HMPI	Dipakkumar Gulabbhai Sachdev
98	BEd English	Shri Chaturbhai Kalidas Desai (Nadiad) Gold Plated Medal	67 HMPI	Rincy Geevarghese Christian
99	BPed	Charutar Vidya Mandal P C Vaidya Gold Plated Medal	39 SSP	Sahejadali Majarali Khokhar
100	MEd	Prof TKN Menon Gold Plated Medal	84 Department	Vandanaben Jitendrakumar Kothari
101	MEd	Prof Jayendrabhai Kakubhai Dave Gold Plated Medal	84 Department	Vandanaben Jitendrakumar Kothari
102	MEd (English)	Parshwanath Riyalty Praivate Ltd, Gold Medal	70 Way Made College	Swati Chandra
103	BSc (Home Science)	Surajba Ishwarbhai Patel (Uttarsanda) Gold Plated Medal, (Human Development)	78 SMP	Kaminiben Mahendrabhai Mochi
104	BSc (Home Science)	VC Desai Charity Trust Smt Lilaben Desai Gold Plated Medal, (Family Resources Management)	58 SMP	Shrutiben Harishbhai Patel
105	BSc Home Science	Mrs B Tarabai Gold Plated Medal, (Foods & Nutrition)	123 SMP	Nirali Krishnakantbhai Pandya
106	BSc (Home Science)	Manibhai Shivabhai Patel Manibhai Patel & Brothers (Charitable Trust) (Gold Medal) (All Branch)	09 SMP	Hardika Lakhmshibhai Patel
107	BSc (Home Science)	Gangaben Nathabhai Patel, Gold Plated Medal, (Textile & Clothes)	09 SMP	Hardika Lakhmshibhai Patel

108	MSc(Home Science)	Prof S S Sail Gold Plated Medal, (Food and Nutrition Branch)	34 Department	Hemali Yogeshbhai Patel
109	BPharm	Smt Champaben Ramanbhai Patel,Gold Plated Medal	143 IICP	Mitali Harishbhai Patel
March-2008				
110	MBBS Part-I	Late Maniben Raojibhai Patel, Gold Plated Medal Community, Medicine	69 PSMC	Tapan Chandrakant Patel
March-2008				
111	MBBS Part-I ENT	Swami Shri Krishnanandji (Bhadran) Gold Plated Medal	27	Jayna Bharat Swami
March-2009				
112	MBBS Part-II	Swami Shri Krishnanandji (Bhadran) Gold Plated Medal (Obstratric & Gynecology)	31	Jaykumar Nikulbhai Mehta
March-2009				
113	MBBS Part-II	Dr Piyush Ravjibhai Patel, Gold Plated Medal (Medicine)	70	Tapan Chandrakant Patel
March-2008 March-2009				
114	MBBS Part-I & II	Dr HC Srivastava MSFAMS Gold Medal	28	Janya Bharat Swami
March-2008 March-2009				
115	MBBS (Part-I & II)	Desai Dadubhai Apsaheb (Bakrol) Gold Plated Medal	28	Janya Bharat Swami
March-2008 March-2009				
116	MBBS (Part-I & II)	Late Smt Lataben Madhubhai Desai (Nadiad) Gold Medal	28	Janya Bharat Swami
117	MBBS	Bhaikaka Gold Plated Medal	28	Janya Bharat Swami
March-2009				
118	MBBS (Part-II)	Swami Shri Krishnanandji (Bhadran) Gold Plated Medal (Surgery)	57	Prarthana Nikhil Kharod
March-2008				
119	MBBS (Part-I)	Dr Bhikhubhai S Patel Gold Plated Medal (Ophthalmology)	27	Janya Bharat Swami
April-2011				
120	MS	Late Shri Dhirajlal Shivshanker Raval Gold Medal (General) (Surgery)	01	Himanshu Anilkumar Champaneri

(6) PhD degrees awarded in 2011-2012

No.	Faculty	Total
1.	Arts	19
2.	Science	31
3.	Engineering & Technology	03
4.	Business Studies	03
5.	Management	04
6.	Education	13
7.	Pharmacy	04
8.	Medicine & Surgery	01
Total		78

FOR THE LIST OF THE PH D THESES, PLEASE REFER TO CHAPTER III

2.8 STUDENTS ACHIEVEMENTS IN 2011-2012

Department Name	Students Achievements			
Chemistry	B. NET – JRF / NET – C / SLET/ NBHM/ GATE			
	Mr Umesh Tarpada (Research Student)		SLET/GATE	
	Mr Tushar Sutariya (Research Student)		SLET	
	Mr Pankaj Vekariya (Research Student)		GATE	
	Mr Parag Karia (Research Student)		GATE	
Computer Science and Technology	C. Selection in National Programme			
	Patel Rimple Rajeshbhai of MSc (Bioinformatics) secured THIRD RANK for the project entitled “Sequence Analysis & Biological Perspective of KG5 Drug” in the National Workshop on Computational Models, Tools & Techniques in Bioinformatics, at the Sardar Vallabhbhai National Institute of Technology, SURAT, 21-25 November, 2011.			
Electronics	B. Awards: UGC National Eligibility Test for Lectureship			
	Brijeshkumar K Prajapati, 13543/(NET-DEC2011) Exam held on 24-12-2011, Electronics Science			
Home Science	A. NET – JRF / NET – C / SLET/ NBHM/ GATE			
	3 Students Clear		NET	
Materials Science	A. NET – JRF / NET – C / SLET/ NBHM/ GATE			
	(1)	Twisampati Bhandari	GATE	3 Rank
	(2)	Malay Maji	GATE	6 Rank
	(3)	Amitava Banerjee	GATE	8 Rank
	(4)	Srimantha Barui	GATE	9 Rank
	(5)	Tridip Baishya	GATE	27 Rank
Mathematics	C. Selection in National Level Programme			
	National Level Scholarship			
	Asmabanu Rajawad of MPhil has been selected for the Maulana Azad National Fellowship by the University Grants Commission.			
	Nilesh Sonara of MPhil has been selected for the Rajiv Gandhi National Fellowship by the University Grants Commission.			
	National Level Programme			
	Four girls’ students of MSc have been selected for Indira Gandhi PG Scholarship for Single Girl Child by University Grants Commission.			
Neha Rajput and Jaspal Vaghela of MSc (Semester-II) attended MTTTS Programme at University of Mysore.				

	Raxita Patel and Himani Raulji of MSc (Semester-II) attended Vacation Students' Programme at Harish Chandra Research Institute, Allahabad		
	D. Awards		
	Mhaveer Shekhavat – a Research Scholar has been awarded the 3 rd Prize for the presentation of Research at ISSRCM held at Sardar Patel University.		
Physics	A. NET – JRF / NET – C / SLET/ NBHM/ GATE		
	(1)	Sahaj Gandhi	NET (L&C) June 2011
	(2)	Dinesh Prajapati	NET (L&C) June 2011
	(3)	Mr Arpit Parmar	GATE March 2012
	D. Awards		
	UGC Research Scholar's Meritorious Scholarship (RFSMS)		
Business Studies	A. NET – JRF / NET – C / SLET/ NBHM/ GATE		
	(1)	Ashok Gaur	SLET
	(2)	Siraj Mirza	SLET
	(3)	Anuj Bhatia	NET
	(4)	Milan Shah	NET
Library and Information Science	A. NET – JRF / NET – C / SLET/ NBHM/ GATE		
	(1)	Ashok Gaur	SLET June 2011
	(2)	Siraj Mirza	NET December 2011
Political Science	A. NET – JRF / NET – C / SLET/ NBHM/ GATE		
	(1)	Vaishaliben Kantibhai Makwana	NET
	(2)	Pravin Madhabhai Khaniya	NET
Sociology	A. NET – JRF / NET – C / SLET/ NBHM/ GATE		
	3 Students Cleared		NET
Gujarati	A. NET – JRF / NET – C / SLET/ NBHM/ GATE		
	3 Students Cleared		NET
	2 Students Cleared		SLET
	3 Students Cleared		JRF

2.9 EXAMINATION REFORMS UNIT

The Examination Reforms Unit was established in 1976 in Sardar Patel University and received grants from the UGC until March 1995. It was only then that the State Government began to shoulder the financial burden.

Examination Reforms Unit of the University has a very long history of about 32 years, during which its dynamic conveners along with efficient teams have plunged headlong into implementation of various programmes of examination reforms formulated by the UGC.

In a circular dated 19.1.83 sent to all the Universities in India, the UGC had insisted that they implement programmes like (1) Continuous evaluation, (2) Development of Question bank, and (3) Grading and Semester systems to ensure improvement in the objectivity, reliability, and validity of evaluation practices while at the same time to ensure a better correlation between teaching, learning and evaluation. It had also suggested that they pay urgent attention to the task of redesigning their syllabi, question papers, and actual conduct of examinations. It informed them that the purpose of these suggestions was to bring about qualitative improvement in the examination system prevalent in country at that time.

EXAMINATION REFORMS UNDERTAKEN

We initiated the following measures with effect from the University Examinations to ensure that the system does not lose its credibility and examinations are conducted without any let or hindrance in just and fair manner:

- 1 Each of the answer-books used have 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.
- 2 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.
- 3 Seating arrangements for Examinations in various disciplines in different institutions are made in accordance with an alphabetically arranged list of the candidates name-wise, keeping in mind the first letter in his/her name. We also take into account the seating capacity available in a given institution for accommodating examinees.
- 4 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.
- 5 The presence of examinees is marked on a preprinted supervisor's reports.
- 6 Arrangements have been made for the examiners to receive payment on completion of their evaluation of the answer books during central assessment, so that he or she does not have to bother about the lengthy administrative procedures and the university is able to expedite the declaration of the Results.
- 7 We publish the Results on the University Website too.
- 8 Arrangements have been made to make available to the students their markscripts within 10 days of the declaration of the Results.
- 9 We have begun to use special security features on the markscripts, including those of them that lie unused so as to guard against their possible misuse for fabricating fake/bogus markscripts.
- 10 Irregularities and malpractices during examinations have been brought under check thanks to the appointment of squads at sensitive Examination Centres.
- 11 We have constituted flying squads with members of the Syndicate and the teachers in the PG Departments to visit the examination Centres to obviate any irregularity and/or malpractice, thus restoring the trust and confidence of those who tend to be put off due to this very reason.
- 12 We have been making public through newspapers the penalties imposed on the erring examinees. The reverse side of the Hall-Ticket carries the nature of malpractice and the penalties imposed.
- 13 We have made it obligatory for a candidate to affix his/her photograph on the application form.
- 14 We have been declaring the proposed dates and announcing the timetable for various exams and the results well in advance.
- 15 Special care is being taken to expedite the Re-assessment.
- 16 Special envelopes have been introduced for examination-related work in the university.
- 17 We have modified the front page of the answer book to introduce columns for entering the marks of reassessment and this was made effective from the University Examination in March/April-2007.

18 In the process of Re-assessment, answer-sheet observation by students is introduced.

Subsequently from academic year 2009, onwards the semester system in teaching and examination has been introduced in humanities and social science also with these, now all postgraduate level teaching learning and evaluation in the university are being carried out in the semester system only. The university is going ahead to introducing semester system as well as choice based credit system ultimately in all PG and UG programmes.

The university has also rationalized the system of grace marks as well as the system of remuneration for the examination work.

- 1) Moreover, with Internal Quality Assurance Cell University introduced Choice Based Credit System of at UG and PG level from the Academic year 2010-11.
- 2) University introduced personal observation of answer-book of the concern candidate of the University exam held.
- 3) In some faculties University has introduced point system for the appointment of Paper Setter and Examiner.

QUESTION PAPER PATTERN

The university also introduced a uniform paper style to suit the CBCS and the current scenario at various National Qualifying Examinations like UGC, CSIR-UGC, NBHM, GATE for higher studies and placements. Accordingly, a new style of question paper incorporates the unitized approach with equal weighting on each unit and includes the following types of questions.

- (a) Objective type questions,
- (b) Short answered questions
- (c) Detailed answer questions.

At PG level written examination is followed by a comprehensive viva. The new pattern is aimed at testing understanding of the subject and discouraging the rote learning.

EVALUATION SYSTEM

1. The weighting of the internal evaluation is 40% (30%) and weighting of the end of semester evaluation (external evaluation) is 60% (70%).
2. In internal assessment, the student will have to score 25% marks in each of the Course and in aggregate have to score 35%. In External assessment, the student will have to score 40% marks in each of the Course. In overall, aggregate of internal and external for particular course student will also have to score 40% marks in each of the Course. The candidate will NEVER be said to have failed in a course if he/she is unsuccessful in completing the course by the end of the semester. On the contrary he/she is said to have DROPPED the paper.
3. There shall be a common guideline for the component of Internal Evaluation which must fulfill the criterion of Continuous and Comprehensive Assessment.

A continuous assessment scheme in semester system (also known as internal assessment/comprehensive assessment) will be spread through the duration of course and will be done by the teacher teaching the course. The assessment will be done through various means including:

- Written tests
- Multiple Choice Questions MCQ based quizzes
- Presentations
- Projects
- Field visits

- Seminars
- Group discussions/activities etc

Institutions/Colleges/Departments have to submit the internal marks according to above distribution as decided by faculties.

4. There shall be a fixed structure of question papers which includes the following criteria for all courses.
 1. Evaluation with respect to knowledge.
 2. Evaluation with respect to Understanding.
 3. Evaluation with respect to skill.
 4. Evaluation with respect to Applications.
 5. Higher Order Thinking Skills

With respect to all above components, there will be following four types of questions from each unit of the course:

1. Multiple Choice Questions (MCQ)
2. Short Questions
3. Long Answer Questions
4. Very Long Answer Questions

Question bank shall be prepared by the subject experts from each faculty.

5. There shall be minimum one internal test along with other component of evaluation during a semester. (Colleges/departments/institute can arrange more than one internal evaluation).

Component	Units covered in a course	Weighting	Weighting Unit wise	Period of continuous assessment
I	1,2	20%	10%	To be consolidated by 8 th week
II	3,4	20%	10%	To be consolidated by 16 th week
III	Semester end exam	60%	15%	To be consolidated by 18-20 week
Final Grades to be announced by 24th week				

PASSING CRITERIA

6. A candidate who has undergone a regular course of study in a particular Semester, fulfill the required criteria of attendance and has secured marks equal to passing standard both in Internal and External Examination shall be eligible for continuing study in next Semester, provided that, "A candidate will be allowed to go to IV semester only if he/she has passed all the courses of I Semester. Also candidate will be allowed to go to go to V semester if he/she passed all the courses of II semester. Similarly a candidate will be allowed to go to VI semester if he/she passed all the courses of III semester".

For Integrated courses (5 years duration)

"A candidate will be allowed to go to IV semester only if he/she has passed all the courses of I Semester. Also candidate will be allowed to go to V semester if he/she passed all the courses of II semester. A candidate will be allowed to go to go to VI semester if he/she passed all the courses of III semester.

From Seventh Semester onwards, a candidate will be allowed to go to VII semester if he/she passed all the courses of V semester. A candidate will be allowed to go to VIII semester if he/she passed all the courses of VI semester. Similarly, a candidate will be allowed to go to X semester if he/she passed all the courses of VIII semester".

GRADE POINT SYSTEM

1. Grading System shall be converted to 7 point scale from existing scale in the following manner.

Grade Points	Description	% of marks	Division/Grade
10	Outstanding	90% → 99%	First/O
9	Excellent	80% → 89%	First/A

8	Very good	70% →79%	First/B
7	Good	60% →69%	First/C
6	Fair	50% →59%	Second/D
5	Average	40% →49%	Pass/E
4	Dropped	Below 40%	F

The Class/ Division shall be awarded on the basis of CGPA

				Grade	
First class with O	CGPA	9.00	to	10.00	O
First class with A	CGPA	8.00	to	08.99	A
First class with B	CGPA	7.00	to	07.99	B
First class with C	CGPA	6.00	to	06.99	C
Second Class with D	CGPA	5.00	to	05.99	D
Pass class with E	CGPA	4.00	to	04.99	E
Dropped - F	CGPA	0.00	to	03.99	F

- All other provisions not covered here shall be as per the existing norms.
- In the interpretation of any provision of the above rules & regulations, the decision of the Vice Chancellor shall be final and binding to all.

CHAPTER-3

RESEARCH, CONSULTANCY AND EXTENSION SERVICES

3.1 RESEARCH

A university system enjoins upon teachers working in it at least five sets of duties to perform: teaching, research, corporate activities, consultancy, and extension services. UGC has, in recent times, enforced a publish-or-perish policy alongside the implementation of the sixth pay commission report.

Nonetheless, the nature of our mandate as a university entailed research going hand-in-hand with teaching since we came into existence in 1955 and has been a plus point with us winning recognition for us from the UGC, other agencies of the Governments of India and Gujarat State, and the NAAC time and again. Our mandate implies a perception of research as a problem-solving exercise similar to learning and testing aimed at uncovering what we need to know or have yet to know. We take research as a systematic and thorough process of learning something by means of an investigation which aims at making value addition to our existing store of knowledge.

Research

Research is a very significant activity in this University thanks to a very active faculty which is committed and dedicated to research and development. This was recognized yet again by Government of India when its Department of Science and Technology under the Ministry of Science and Technology selected Sardar Patel University as one of the 44 universities in country to sanction ₹6 crore as an incentive for research under the Purse Programme. We were selected not on any proposal from our side that sought grants but on the basis of an independent assessment of the research performance of all the universities in India.

We understand the worth of research carried out in the university and this has helped the university departments to identify and define their thrust areas for themselves as follows:

No	Thrust Areas	Department
1	Microbial Biotechnology, Plant and Animal Biotechnology, Environmental Studies, Aqua Culture Studies	Department of Biosciences
2	Polymer Science, Organic and Inorganic Chemistry, and Physical Chemistry	Department of Chemistry
3	Thin Film, Ceramics, Carbon, Nanomaterials, and Smart Materials, Conducting Polymers	Department of Materials Science
4	Condensed Matter Physics, High Energy Physics, Atomic and Molecular Physics, Theoretical Physics	Department of Physics
5	Functional Analysis and Applications, Harmonic Analysis, Relativity, Tribology, Financial Mathematics, Non-commutative Geometry	Department of Mathematics
6	Design of Experiments, Inference, Reliability and Life Testing, Statistical Quality Control, Biostatistics	Department of Statistics
7	Systems Software system, Distributed computing, Knowledge-based Systems, Image Processing	Department of Computer Science and Technology
8	Semi-conducting Thin Films and Device Applications, Gas Sensors, Biosensors, Polymer Electronics	Department of Electronics
9	Foods and Nutrition, Food Biotechnology, Family Resource Management, Textile & Clothing and Human Development	Department of Home Science
10	Consumer Education and Research, Market Research	Department of Business Administration
11	Finance and Accounts, Entrepreneurship Development and Small Business, Marketing Management	Department of Business Studies

12	Literary Representation of Social Change in the Post-1970 Novels and Plays in Gujarati, Hindi and English Literatures; Contemporary English Literature; New Literatures; Contemporary Literary Theory and Criticism; American Literature; Applied Linguistics etc	Department of English
13	Narratology, Comparative Indian Literature, Myth and Motif Studies	Department of Gujarati
14	Functional Hindi, Dramatics and Dramaturgy, Theatre and Media Research	Department of Hindi
15	Purva Mimamsa, Nyaya Mimamsa, Alankara, Vedanta	Department of Sanskrit
16	Agriculture Economics, Rural Development, and Environmental Economics	Department of Economics
17	Indian Diaspora, Medical Sociology	Department of Sociology
18	Clinical Psychology, Industrial Psychology	Department of Psychology
19	History of Struggle for Independence, Modern History	Department of History
20	International Relations, Ethics and Morality in Politics	Department of Political Science
21	Philosophy of Education, Teaching-Learning Process, Cognition	Department of Education
22	Networking, Communication of Information	Department of Library and Information Science
23	Rural Development, Industrial Sociology	Department of Social Work

Consultancy Services

A consultation is an interaction between a person with expertise or a professional and a person or organization that seeks expert or professional advice related to any issue that needs to be resolved for the person concerned to feel good or the organization to correct areas of malfunction or the initiation of a new enterprise.

Thus, consultancy services, which constitute an important part of work done by experts or professionals from various fields of specialisation in an academic institution like a university, draw upon their research in the areas of their expertise in order to aid and advise a person or organisation on doing what needs to be done. Our university departments under sciences on the one hand, commerce and management as well as communication and media studies and education on the other provide consultancy services in the main. The humanities and the social sciences are consulted sometimes by publication houses in the state and the rest of the country.

Our University and Industry Interaction (U&I Interaction) Cell, established in 2005 to facilitate this, has helped generate revenue largely for the teachers offering consultancy services to the industry with a percentage of it contributed to the university at various intervals.

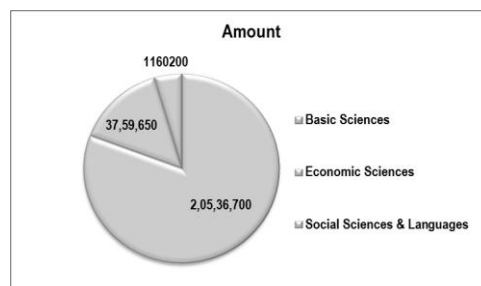
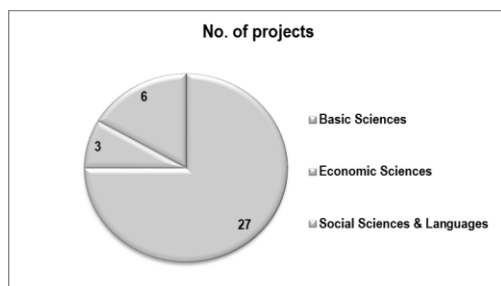
Extension Services

A university system provides for its teachers to offer extension services which afford sister universities or organisations to benefit from the opportunity of expert lectures as in case of guest lectures, lectures under UGC Teachers' Exchange Programme or UGC Visiting Professors/Fellows Programme outside this university. At times, this may involve interactions with groups within a professional association or communities unrelated to education.

We have made available details of both consultancy and extension services provided by the university teachers in detail in this report.

(1) NEW RESEARCH PROJECTS OF POSTGRADUATE DEPARTMENTS

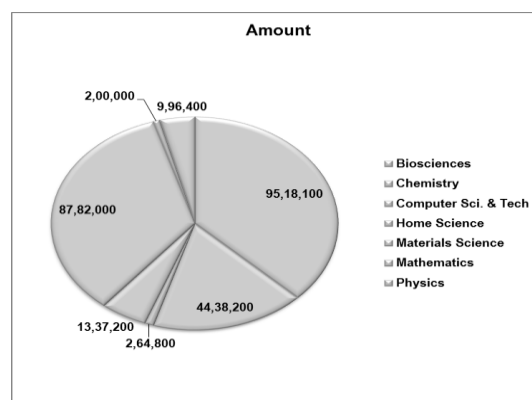
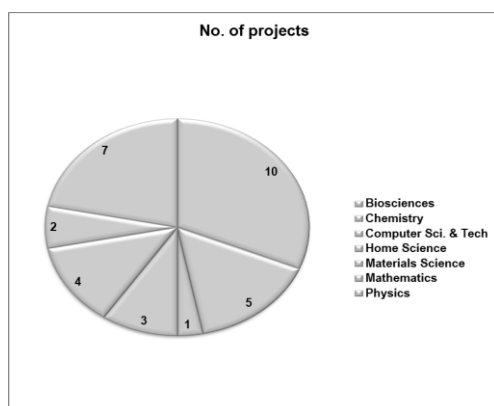
(I) AN OVERVIEW



No.	Departments	No. of projects	Amount
1.	Basic Sciences	32	2,55,36,700
2.	Economic Sciences	03	37,59,650
3.	Social Sciences & Languages	06	11,60,200

(II) DEPARTMENTS WISE NEW RESEARCH PROJECT DETAILS

(A) BASIC SCIENCES



New Research Projects Undertaken and Grant Received by the Teachers of Basic Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of projects	Amount (₹)
1.	Biosciences	10	95,18,100
2.	Chemistry	05	44,38,200
3.	Computer Science and Technology	01	2,64,800
4.	Home Science	03	13,37,200
5.	Materials Science	04	87,82,000
6.	Mathematics	02	2,00,000
7.	Physics	07	9,96,400
Total		32	2,55,36,700

DETAILS OF THE PROJECTS UNDERTAKEN : DEPARTMENTWISE

DEPARTMENT OF BIOSCIENCES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof Datta Madamwar	One Time Grant under BSR Programme	UGC New Delhi	₹ 7,00,000/- No. F.4-10/2012/(BSR)	---
Prof R B Subramanian	Effect of sequential applications of Headline 20% WG and Cabrio Top 60% WG on growth and physiology of <i>Gossypium hirsutum</i> (Cotton)	BASF	₹ 1, 98,000/-	1 year Jun 2012 to May 2013
Dr K C Patel and Dr U B Trivedi	Production and characterization of yellow antioxidant pigment from <i>Colletotrichum</i> sp. KCP1	Department of Bio-technology (DBT)	₹ 20,13,200/- 2/06/2011	3 Years
Dr K C Patel	Curdlan and Lipase production from <i>Cellulomonas flavigena</i> UNP3 and their application.	University Grant Commission (UGC)	₹ 10,56,800/- 4/07/2011	3 Years
PI: Dr Mrs Amita R Shah Co investigator: Prof Datta Madamwar	Production of β -xylosidase and accessory hemicellulolytic enzymes for effective bioconversion of plant lignocelluloses.	GSBTM Gandhinagar	₹ 19,60,800/- GSBTM/MD/PROJEDT S/SSA/454/2011-12	3 Years
Dr J S S Mohan (PI)	Evaluation of Physiological Effects of Headline 20% WG in Groundnut	BASF India Pvt. Ltd., Mumbai	₹ 1,39,700.00 G/1-S/8395 29/03/2011	Apr 2011 to Mar 2012

DEPARTMENT OF CHEMISTRY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr M N Patel	Evolution of Metal Based Drugs as SOD Mimics and Artificial Metallonucleases	UGC New Delhi	₹ 11,76,800/-; F. No. 40-95/2011(SR) 5/07/2011	3 Years
Dr Jignesh H Trivedi (Co-Investigator)	Photo-Induced Synthesis, Characterization and Potential Applications of Sodium salt of	UGC New Delhi	₹ 11,22,500/- [F. No. 40-93/2011 (SR) w.e.f 01/07/2011]	2011-14

	Partially Carboxymethylated Sodium Alginate			
Dr S S Soni	Influence of Micellar Morphology on Conductivity of Polymer Gel Electrolyte	UGC-DAE, Mumbai Centre, Mumbai	₹ 5,73,000/-	3 years from 31 st Mar

DEPARTMENT OF HOME SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr Rema Subhash	Immobilisation of probiotic microorganisms on food matrices and their efficacy in the preparation of fermented dairy products.	DBT	₹ 11,37,200/- DST No.BT/PR-14825/FNS/20/477/2010 02/06/2011	02/06/2011 to 31/07/2014
Dr Jisha Elias	Screening of SNPs in Melano cortin-4- Receptor gene in Over weight-Obese population of Anand-Vallabh Vidyanagar.	Seed Grant SPU	₹ 1,00,000/-	1 year
Ms Viraj Roghelia	Nutritional Composition and Pesticide residue level among organically and conventionally grown fruits and vegetables	Seed grant SPU	₹ 1,00,000/-	1 Year

DEPARTMENT OF MATERIALS SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof L M Manocha	Development of silver based Polymeric matrix Nanocomposites	UGC, New Delhi	₹ 8,58,000	2011-14
	MoU for Scientific International Collaborations. Collaboration with Shinshu University, Japan; Argon National laboratory, Chicago, USA; and Seoul National University of Science and Technology; Korea	UGC, New Delhi	₹ 2,50,000 per year	Up to 2014

	Studies on effect of Irradiation on Physical and Mechanical properties of Densified Carbon and SiC based Composites	IPR-BRFST	₹ 19,78,000, vide letter No. IPR/NFP/2010-11 /Aug/15 dated 20/09/2010	2 Years
Dr (Miss) R H Patel	Studies on Flame Retardant Polymer Coatings based on Polyester Urethane - Epoxy Resin Systems	UGC, New Delhi	₹ 6,96,000	2011-14

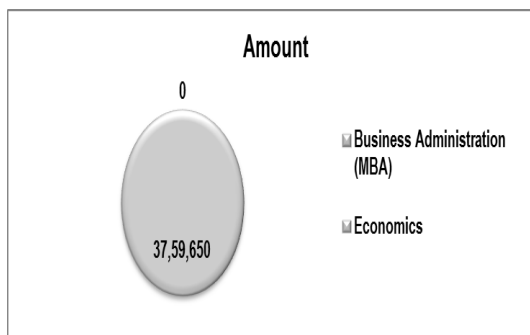
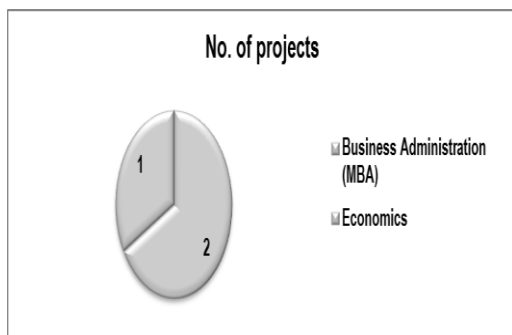
DEPARTMENT OF MATHEMATICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
A H Hasmani	Applications of Newman-Penrose Formalism	SPU Seed Grant	₹ 1,00,000; Letter No. G/1-SEED GRANT/2011-12/5876 dated 07/12/2011	1 Year
P ADabhi	Contribution to Harmonic Analysis on Groups and Semigroups with Weight	SPU Seed Grant	₹ 1,00,000	1 Year

DEPARTMENT OF PHYSICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof P C Vinodkumar	Study of strong and weak decay processes of mesons involving heavy flavor quarks	UGC, New Delhi	₹ 9,00,400 F 40-457/2011(SR)	3 Years 01/07/2011 to 31/06/2014

(B) ECONOMIC SCIENCES



New Research Projects Undertaken and Grants Received by the Teachers of Economic Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of projects	Amount
1.	MBA	02	37,59,650
2.	Economics	01	-
Total		03	37,59,650

DEPARTMENT OF BUSINESS ADMINISTRATION

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof R P Patel Dr D R Dave (Coordinator)- SAP-DRS-II	Consumer Research In Rural Areas	UGC, New Delhi	₹ 33,00,000 + Project Fellow F.5-2/2011 (SAP-III)	2011-16
Dr Yogesh C Joshi Convenor Dr R M Rathod Deputy Convenor	District Human Development Report of Panchmahals District	Government of Gujarat	₹ 4,59,650	Commenced from Apr 2011

DEPARTMENT OF ECONOMICS

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr H P Trivedi Dr D J Chauhan Dr N M Patel Dr D G Ganvit Dr Sonal Bhatt Shri J K Barot Shri Manish Patel	Human Development in Anand District	UGC, New Delhi	CAS-I Programme	2011-16

(C) SOCIAL SCIENCES & LANGUAGES

New Research Projects Undertaken and Grants Received by the Teachers of Postgraduate Departments in Social Sciences & Languages in 2011-12

No.	Departments	No. of projects	Amount
1.	Social Work (MSW)	03	5,21,200
2.	Gujarati	03	6,39,000
Total		06	11,60,200

DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr S D Mishra	Situational Analysis of Natural health service in Anand district	SEED Grand	₹ 25,000/-	1 Year
Dr Bigi Thomas	Impact of NREGA : A Study of Overall quality of life of its beneficiaries of 3 districts of Gujarat	UGC New Delhi	₹ 4,91,200, F. No.5-562010 (HRP)	01/02/2011 to 31/01/2012
Dr S R Prabhakar	Youth Aspiration for Migration Aboard in Charotar	Amsterdam University	₹ 5,000/-	3 Months Mar 2012 to May 2012

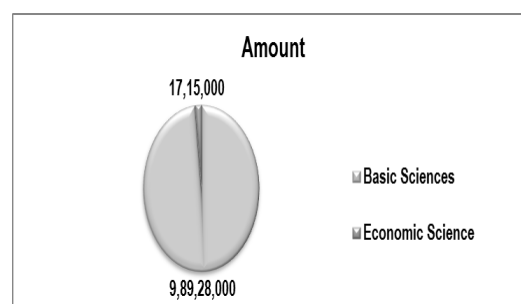
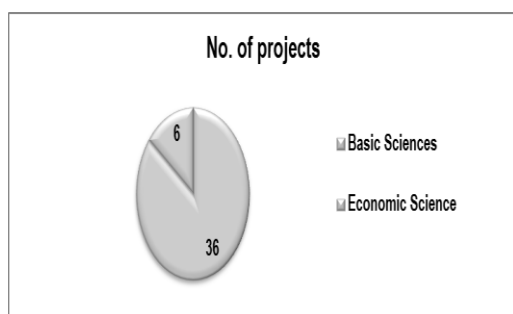
DEPARTMENT OF ENGLISH

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr J H Khan and members of the faculty in the Department	Literary Representation of Social Change in Post-1970 Novels and Plays in Gujarati, Hindi and Indian English Literatures	UGC New Delhi	Total Rs.30,50,000 + Actuals of Rs.8,000 pa for a Project Fellow under SAP-DRS (Phase-2) vide letter No.F.5-102/2009 (SAP-III) dated 16/12/2009 (received here on 21/12/2009)	Five Years 2009-14

DEPARTMENT OF GUJARATI

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr P D Pandya	Major research project: A cross cultural study of archetypes	UGC, New Delhi	₹ 5,89,000/- No 5/586/2010 (HRP) Date 18/5/2011	2 Years
Dr B R Brahmhatt	Fatana of Gujarat state	SPU Seed Grant	₹ 25,000/- No G/1 Seed Grant	1 Year
Prof R V Chaudhari	Uttar Gujarat na lagna jivan mathi pragart thatu lokjivan	SPU Seed Grant	₹ 25,000/- No G/1 Seed Grant/5217	1 Year

(2) ONGOING RESEARCH PROJECT OF POSTGRADUCATE DEPARTMENTS

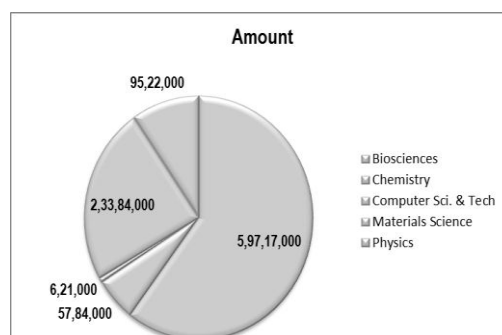
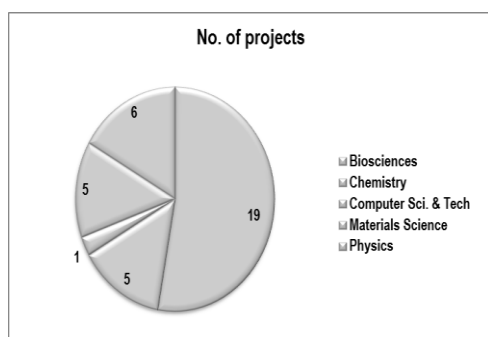


(I) AN OVERVIEW

No.	Departments	No. of projects	Amount
1	Basic Sciences	36	9,89,28,000
2	Economic Sciences	06	17,15,000
Total		42	10,06,43,000

(II) DEPARTMENT WISE ONGOING PROJECTS DETAILS

(A) BASIC SCIENCES



Ongoing Reserch Projects Undertaken and Grants Received by the Teachers of Basic Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of projects	Amount
1.	Biosciences	19	5,97,17,000
2.	Chemistry	05	57,84,000
3.	Computer Science and Technology	01	6,21,000
4.	Materials Science	05	2,33,84,000
5.	Physics	06	95,22,000
Total		36	9,90,28,000

DEPARTMENT OF BIOSCIENCES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof Datta Madamwar	Metagenome analysis for metabolic pathways present in activated biomass at common effluent treatment plant (CETP)	DBT New Delhi	₹ 61,32,000/- BT/PR- 11724/BCE/08/719/ 2008 dated 19/11/2009	3 Years Jan 2010 to Dec 2013
	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	₹ 26,95,000/- SR/SO/PS-08/09/A dated 05/07/2011	3 Years Aug 2010 to Jul 2013
Prof Datta Madamwar as Coordinator with Dr R B 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/- No. BT/1/CEIB/09/V/05 dated 03/09/2011	5 Years Oct 2010 to Sep 2015
Prof Datta Madamwar	Application of periodic discontinuous batch operation to enhance treatment efficiency of dye containing waste-water	DBT New Delhi	₹ 51,02,000/- BT/PR- 11070/BCE/08/693/200 8 Dated 17/09/2011	3 Years Nov 2010 to Oct 2013
Dr R B Subramanian	Screening and Identification of a SSR marker linked to resistance against Fusarium wilt in tomato.	UGC, New Delhi	₹ 8,63,300/- F. 37-523/2009(SR) 12/01/2010	3 Years 01/02/2010 to 31/03/2011
	Effect of sequential applications of Headline 20% WG and Cabrio Top 60% WG on growth and physiology of Gossypium hirsutum (Cotton)	BASF	₹ 1,98,000/-	1 Year Jun 2012 to May 2013
Dr Vasudev R Thakkar	Characterization of natural resistance in Arachis hypogaeae L. against aspergillus niger	UGC New Delhi	₹ 7,62,800/- F.No.39-247/2012 (SR) 20/12/2010	3 Years
Dr K C Patel/ Dr U B Trivedi	Production and characterization of yellow antioxidant pigment from Colletotrichum SP. KCP1	Department of Bio- technology (DBT)	₹ 20,13,200/- 02/06/2011	3 Years

Dr K C Patel	Curdlan and Lipase production from <i>Cellulomonas flavigena</i> UNP3 and their application.	UGC, New Delhi	₹ 10,56,800/- 04/07/2011	3 Years
Dr T V Ramana Rao	Histo-physiological analysis of melons at different rates of ripening.	UGC, New Delhi	₹ 7,77,800/- (F. No. 36-204/2008 (SR) dated 26/03/2009	3½ Years May 2009 to Oct 2012
PI: Dr Mrs Amita R Shah Co investigator: Prof Datta Madamwar	Production of β -xylosidase and accessory hemicellulolytic enzymes for effective bioconversion of plant lignocelluloses.	GSBTM Gandhi-nagar	₹ 19,60,800/- GSBTM/MD/PROJEDT S/SSA/454/2011-12	3 Years
Dr Sujata Subhash Bhatt	An investigation into the development of alternative carp feed using prebiotics, probiotics and fermentation.	UGC, New Delhi	₹ 6,69,800/-	3 Years 2011-14
Dr U B Trivedi	Microbial Synthesis and Purification of Chiral Hydroxyalkanoic acid.	CSIR	₹ 17,41,300/-	2011-14
Dr M Nataraj	Micropropagation of <i>Hyphaene dichotoma</i> -a rare and endemic palm	UGC, New Delhi	₹ 7,04,300/- F.39-394/2010 (SR), dated 27/12/2010	3 Years
Dr J S S Mohan (PI)	Induction of systemic acquired resistance to control blight and wilt in <i>Cuminum cyminum</i> L. by using <i>Alternaria burnsii</i> and <i>Fusarium oxysporum</i> f. sp. <i>cumini</i> derived elicitors.	UGC, New Delhi	₹ 9,61,800/- F.No.39-430/2010 (SR) dated 07/01/2011	Feb 2011 to Jan 2014
	Evaluation of Physiological Effects of Headline 20% WG in <i>Zea mays</i> L./ Groundnut	BASF India Pvt. Ltd., Mumbai	₹ 2,79,400/- G/1-S/8395 dated 29/03/2011	Apr 2011 to Mar 2012
Dr Kiran Kalia	Potential of marine bacterial isolates in arsenic bioremediation	Ministry of Earth Sciences (MoES)	₹ 21,33,000/- MoES/11-MRDF/1/28/P/09-PC-III 2010-13 Dated 17/06/2010	2010-13
Mentor (Dr Kiran Kalia) PI (Mrs Sejal Desai)	Role of SNPs and its association with oral cancer in western Indian population	DST/WOS-A, New Delhi	₹ 18,40,000/- SR/WOS-A/LS-511/2011 (G) 24/05/2012	2012-15

DEPARTMENT OF CHEMISTRY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr H S Patel	Decolorization and removal of dyes from textile industries effluents	UGC, New Delhi	₹ 8,64,300/-; F. No. 39-328/2010(SR) 27/12/2010	3 Years
Dr N J Parmar	Synthesis of bioactive polyheterocycles via Knoevenagel-hetero-Diels- Alder-reaction	UGC, New Delhi	₹ 7,38,800/- (No.F39-822/2010 (SR) 11/01/2011	3 years 01/02/2011 to 01/01/2014
Dr Jignesh H Trivedi	Studies in Potential Graft Copolymers of an industrially important marine Polysaccharide-Sodium salt of Partially Carboxymethylated Sodium Alginate	Ministry of Earth Science, New Delhi	₹ 10,17,750/- MoES/11-MRDF/1/40/P/07, 21/02/2008	Feb 2008 to Aug 2011
Dr Jignesh H Trivedi (Co-Investigator)	Photo-Induced Synthesis, Characterization and Potential Applications of Sodium salt of Partially Carboxymethylated Sodium Alginate	UGC, New Delhi	₹ 11,22,500/- [F. No. 40-93/2011 (SR) w.e.f 01/07/2011]	2011-14
Dr S S Soni	Development of high efficiency low cost dye sensitized Solar Cells	DST, New Delhi	₹ 20,43,581/- (Ref. No. DST/TSG/PT/2008/23 22/05/2009	3 Years

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr Priti Srinivas Sajja	Neuro-fuzzy decision support system for course selection	UGC, New Delhi	₹ 6,21,000 36-203/2008(SR)	3 Years 01/05/2009 to 30/04/2012

DEPARTMENT OF HOME SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr V H Patel	Development of Database for total Phenolic Compounds and total Antioxidant Capacity of Indian Foods	UGC, New Delhi	F.No.39-96/2010(SR) 24/12/2010	3 Years

DEPARTMENT OF MATERIALS SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof L M Manocha (PI) Prof (Mrs) S Manocha (Co-PI)	Centre of Advanced Studies(CAS)-Special Assistantship Programme (SAP)	UGC, New Delhi	₹ 1,06,00,000/-	2009-14
Prof L M Manocha Prof S Manocha(Co-PI)	Studies on Development & Characterization of Nanostructures Incorporated Carbon & Silicon Carbide based Composites	National Fusion Programme (IPR), Gandhinagar	₹ 17,44,000/-	2010 -12
Prof L M Manocha	Development of Carbon-Ceramic composites for friction and wear application	DST, New Delhi	₹ 32,80,000/-	2008-11
	State Government Innovative programme MSc (Nanoscience & Nanotechnology) & Special paper on ceramic Technology in MSc (Materials Science)	Directorate of Higher Education, Govt. of Gujarat under Innovative programme of the State Government	₹ 63,00,000/-	2009-11
	Studies on Enhancement of Thermal conductivity and Fracture toughness of Ceramic Matrix composites through in-corporation of Carbon nanotubes	DST-RFBR (Indo-Russia)	₹ 14,60,000/-	2009-12

DEPARTMENT OF PHYSICS

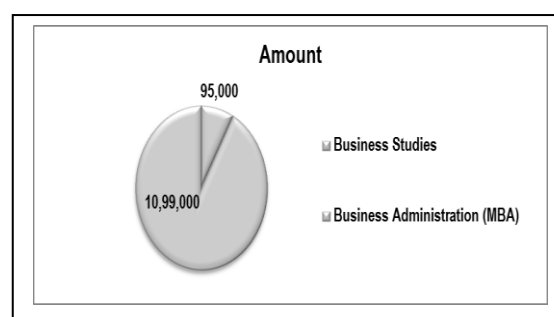
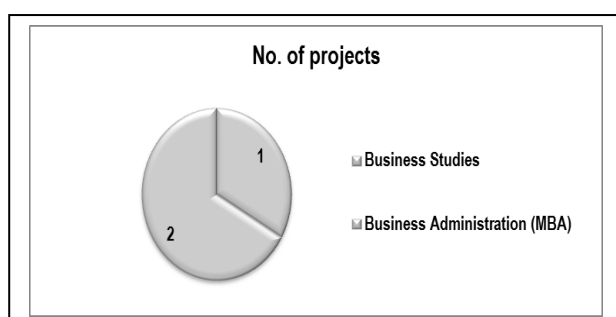
Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof U H Patel	X- ray Crystallographic investigations and ab initio calculations of O heterocyclic compounds	UGC, New Delhi	₹ 9,27,300 /- No. F.34-23/2008(SR) 30/12/2008	01/02/2009 to 31/01/2012
Prof M P Deshpande and Prof A R Jani	Raman Spectroscopy and Resistivity studies of semiconductors under pressure	DAE-BRNS	Amount ₹ 24,61,250/- Sanctioned letter No. 2010/34/39/BRNS with ATC, BRNS dated 06/01/2011	2010-13

Prof S H Chaki and Prof M P Deshpande	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 dated 13/12/2010	2010-13
Dr G K Solanki	Studies on well characterized doped crystals of GeSe and SnSe for their applications in opto-electronic devices.	UGC New Delhi	₹ 4,95,000/- No. : F. No. 39-523/2010 (SR) Date:07/01/2011	3 Years 01/03/2011 to 28/02/2014
Dr Sunil Chaki	Preparation and characterization of Cu _x S (x=1 to 2) in nanocrystalline thin films, nanoparticles and single crystal forms for optoelectronic devices.	UGC, New Delhi	₹ 7,41,800/- vide F. 39-518/2010 (SR) dated 07/01/2011	3 Years
Dr Sunil Chaki and Dr M P Deshpande	Synthesis and characterization of tin monosulphide thin films, nanoparticles and single crystals for optoelectronic devices.	DAE-BRNS	₹ 24,49,000/- vide Sanction No. 2010/34/34/BRNS dated 13/12/2010	3 Years

(B) ECONOMIC SCIENCES & SOCIAL SCIENCES

Ongoing Reserch Projects Undertaken and Grants Received by the Teachers of Economic Sciences & Social Sciences Postgraduate Departments in 2011-12

No.	Departments	No. of projects	Amount
1.	Business Studies	01	95,000
2.	MBA	02	10,99,000
	Total	03	11,94,000



DEPARTMENT OF BUSINESS STUDIES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr Y M Dalvadi	Receive minor Research Project on Adoption of	UGC, New Delhi	₹ 95,000/- Sanction Letter: FNo:6-	1.5 years

	Technology for Accounting in Selected SME's of Gujarat: Problem and Prospects		56/2010(HRP) of the UGC dated 11/2/2011 01/02/2011	
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DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

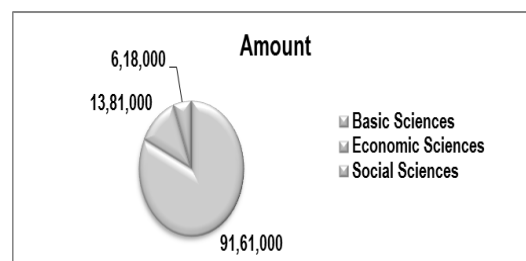
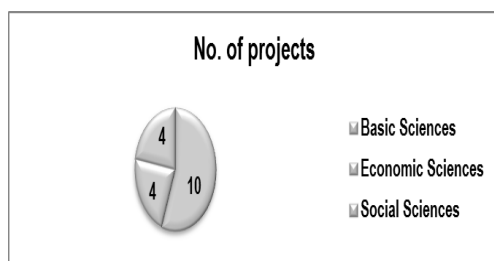
Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr Raju M Rathod Principal Investigator	Metrics Linking Marketing to Financial Performance: Comparative Study of Public and Private Sectors Banks	UGC New Delhi	₹ 5,13,200	2 Years Commenced from 01/02/2011
Dr Ashish C Mehta	Corporate Governance in cement Industry: An Indepth study of selected cement Manufacturing companies in India	UGC New Delhi	₹ 5,86,600/- F-367/2010 HRP	2 Years

DEPARTMENT OF ENGLISH

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr J H Khan Coordinator Dr P J Dave Deputy Coordinator (and all other teachers in the Department)	Literary Representation of Social Change	UGC, New Delhi	₹ 35.00 lac approximately; No.F.5-102/2009 (SAP-III) dated 16/12/2009 SAP-DRS (Phase-II)	5 Years 01 Apr 2009 to 31 Mar 2014
	Literary Representation of Social Change in Post-1970 Novels and Plays in Gujarati, Hindi and Indian English Literatures			
Dr P J Dave	Michael Ondaatjee as a Postmodernist Diasporic Writer	Seed Grant, SPU, Vallabh Vidyanagar	₹ 25,000; No.6/1- SEEDGRANT/2011-12 dated 03/12/2011	1 Year

(3) RESEARCH PROJECTS COMPLETED IN POSTGRADUATE DEPARTMENTS

(I) AN OVERVIEW



No.	Departments	No. of projects	Amount
1.	Basic Sciences	10	91,61,000
2.	Economic Sciences	04	13,81,000
3.	Social Sciences	04	6,18,000
Total		18	1,11,60,000

(II) DEPARTMENTS WISE RESEARCH PROJECTS COMPLETED DETAILS

(A) BASIC SCIENCES

Research Projects Completed and Grants Received by the Teachers of Basic Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of projects	Amount
1.	Biosciences	03	12,64,000
2.	Chemistry	01	10,17,000
3.	Home Science	01	7,81,000
4.	Materials Science	02	43,01,000
5.	Physics	02	16,34,000
6.	Statistics	01	1,64,000
Total		10	91,61,000

DEPARTMENT OF BIOSCIENCES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
AVRL Narasimhacharya	An investigation on the effects of dietary intervention in fluoride toxicity	UGC, New Delhi	₹ 8,46,800/= F.No. 34-433/2008 {SR} dated: 3/12/2008	3 Years 2009-12 31-01-2012
Dr J S S Mohan (PI)	Evaluation of Physiological Effects of Headline 20% WG in Zea mays L./ Groundnut	BASF India Pvt. Ltd., Mumbai	₹ 2,79,400.00 G/1-S/8395 29/03/2011	Apr 2011 to Mar 2012 31/03/2012

DEPARTMENT OF CHEMISTRY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Dr Jignesh H Trivedi	Studies in Potential Graft Copolymers of an industrially important Marine Polysaccharide-Sodium salt of Partially Carboxymethylated Sodium Alginate	Ministry of Earth Science, New Delhi	₹ 10,17,750/- MoES/11-MRDF/1/40/P/07, 21/02/2008	2008-2011 Feb 2008 to Aug 2011

DEPARTMENT OF HOME SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Dr M S Acharya (Rtd)	An Ergonomic Assessment of selected activities carried out in food unit.	UGC, New Delhi	₹ 7,81,141/-	3 Years

DEPARTMENT OF MATERIALS SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Prof L M Manocha	Development of Carbon-Ceramic composites for friction and wear application	DST, New Delhi	₹ 32,80,000	2008-11 31/12/2011
Prof (Mrs) S Manocha	Development of Carbon-Ceramic Foams for high temperature application	UGC, New Delhi	₹ 10,21,000	2008-11 31/03/2011

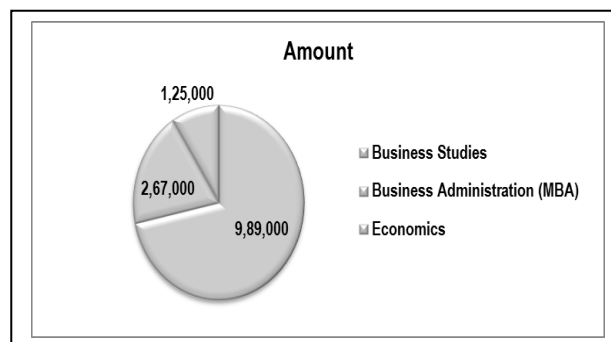
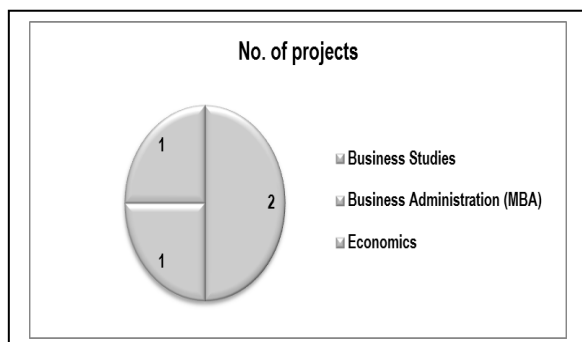
DEPARTMENT OF PHYSICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
B Y Thakore	Study of certain important technological materials using pseudopotential theory	UGC, New Delhi	₹ 7,07,800/- F.34-22/2008(SR) 30/12/2008	3 Years 31/01/2012

DEPARTMENT OF STATISTICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
D P Raykundaliya (PI)	Reliability-Oriented-Designs	UGC, New Delhi	₹ 1,65,000/- F.37-549/2009(SR) 23/12/2009	2 Years

(B) ECONOMIC SCIENCE



Research Projects completed and Grants Received by the Teachers of Economic Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of projects	Amount
1.	Business Studies	02	9,89,000
2.	MBA	01	2,67,000
3.	Economics	01	1,25,000
Total		04	13,81,000

DEPARTMENT OF BUSINESS STUDIES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Dr Sandip K Bhatt	Role of Micro Finance in India: With Special Reference of NABARD and Model of Grameen Bank	UGC-New Delhi	₹ 4,93,200/- Letter No-5.321(3_2009 HRP 07/01/2010	2 Years 07/01/2010 to 31/01/2012
Dr C K Sonara	Corporate environmental accounting and reporting: an empirical study of different groups of selected companies in India	UGC, New Delhi	₹ 4,96,200 / - Ref: F.No.5 – 321(1) 2009 07/01/2010	2 Years 07/01/2010 to 06/01/2012

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Dr P K Priyan and Dr D R Dave	Incubation centres : A Critical Requisite for Techno-Entrepreneurship: A study on Gujarat Experience	UGC, New Delhi	₹ 2,67,052 /- No. F.5-404/2007 (HRP) 11/03/2008	3½ Years 01/04/2008 to 30/09/2011

(C) SOCIAL SCIENCES**Research Projects Completed and Grants Received by the Teachers of Postgraduate Departments of Social Sciences & Languages in 2011-12**

No.	Departments	No. of projects	Amount
1.	Library & Information Science	01	4,72,000
2.	Social Work	02	1,21,000
3.	Psychology	01	25,000
Total		04	6,18,000

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Prof U A Thaker and (Late) Prof C N Rawal	Rural Information Center for Anand District	UGC, New Delhi	₹ 4,72,200/- E-5-29(2)2008 HRP, Dated 26/12/2008	2 Years Jul 2011

DEPARTMENT OF PSYCHOLOGY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration & Date of Completion
Dr Pankaj Suvera	Emotional maturity and psychological adjustment: A comparative study of tribal & non tribal students.	SPU Seed Money	₹ 25,000/-	1 Year

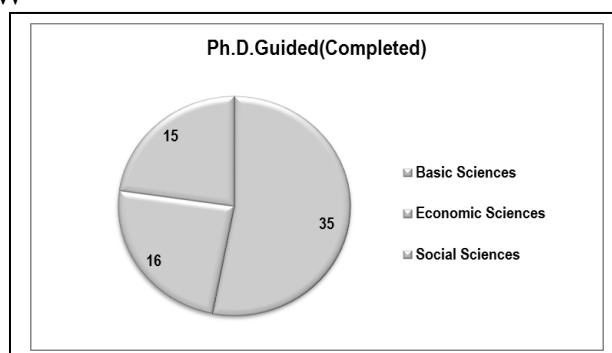
(4) PhD PROGRAMME

University Postgraduate Departments have a strong PhD Programme. This programme is integral to our research efforts. The PhD Programme is intended to be a training programme that enables a researcher to work on his/her research independently. University seeks a balance between scholarship and research contribution of a PhD scholar by ensuring that he/she engages in an extensive study in the beginning before embarking on a specific research problem. Our PhD programme has been designed in such a way that any research scholar wishing to pursue further research can choose whether he/she wishes to do it full-time for a minimum of three years or part-time for a minimum of 5 years. The University has a PhD Programme in affiliated PG Centres and recognized research centres too. A Research Committee in the subject concerned monitors the PhD Programme in each subject. We are happy to report that we have made a provision for an interdisciplinary PhD programme, which is jointly monitored by the Research Committees in the respective subject/s.

In accordance with the guidelines issued by the University Grants Commission, New Delhi, the University has introduced the entrance test and students counselling by the Departmental Research Committee for candidates seeking admission to PhD. A course work of 9 credit including course on research methodology in each subject is made compulsory for PhD students in each faculty.

(1) PhD STUDENTS GUIDED (COMPLETED) IN UNIVERSITY POSTGRADUATE DEPARTMENTS

(I) OVERVIEW



No.	Departments	PhD Guided(Completed)
1.	Basic Sciences	35
2.	Economic Sciences	16
3.	Social Sciences & Languages	15

(II) PhD PROGRAMMES OF POSTGRADUATE DEPARTMENTS

(A) BASIC SCIENCES

PhD Students Guided (Completed) by the Teachers of Basic Sciences of Postgraduate Departments in 2011-12

No.	Departments	PhD Guided (Completed)
1.	Biosciences	15
2.	Chemistry	12
3.	Home Science	01
4.	Materials Science	02
5.	Physics	05
Total		35

DEPARTMENT OF BIOSCIENCES

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof Datta Madamwar	03/01/2012	Ms Asha Parmar	Cynobacterial Phycobiliproteins : Production Purification and Characterization	Full Time
	27/02/2012	Mr Varun Shah	Metagenomics : Isolation, Identification and Characterization of Genes of Biotechnological Prospects	Full Time
AVRL Narasim hacharya		Ms Rupal A Vasant	An investigation on the alternative remedial measures to ameliorate fluoride toxicity	Full Time
		Mrs Hetal Movaliya	An investigation on the cellular and molecular mechanisms of reptilian growth and regeneration	Full Time
		Mr Shyam D Khandedia	Reptilian cell and tissue specific responses in growth and regeneration	Full Time
		Mr Sanjay S Karn	An investigation on the effects of dietary intervention in fluoride toxicity	Full Time
		Miss Krutika L Bhole	Studies on the ACE inhibitory and antioxidant potential of seasonal fruits	Full Time
Prof R B Subramanian		Ms Yachana Jha	Identification of novel inoculants and their effects on biotic and abiotic stress in <i>Oryza sativa</i> GJ-17.	PartTime
Dr Haresh Keharia	11/10/2011	Khyati Pathak	Identification and characterization of antifungal compounds produced by Banyan endophytic <i>Bacilli</i>	Full Time
	02/01/2012	B Kavita	Bioremediation of chromium containing wastewaters	Full Time
Mrs Amita R Shah	11/10/2011	Harshvadan D Patel	Microbial production of hemicellulolytic enzymes for bioconversion of plant lignocelluloses and their application	Full Time
Dr J S S Mohan (PI)	02/08/2011	Durgesh Nandini	Induction of systemic acquired resistance (SAR) in <i>Arachis hypogaea</i> L. (groundnut) by <i>Sclerotium rolfsii</i> , <i>Aspergillus flavus</i> and <i>A. parasiticus</i> derived elicitors	Full Time
Dr Kiran Kalia	Apr 2012	Hitesh Patel	Potential Biological Mechanisms of Arsenic Induced Diabetes Mellitus	Full Time
	Nov 2012	Sandesh Mohan	A Study on Type 2 Diabetic Patients Using IgG as Prognostic Biomarker for Diabetic Nephropathy	Full Time
Dr A S Reddy	17/09/2012	Ms Anjali K Sharma	Studies on the diversity, distribution and local utility of medicinal plants in Shoolpaneshwar wildlife sanctuary, Gujarat	Full time

DEPARTMENT OF CHEMISTRY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr H S Patel	Jan 2011	A M Naji Abu-Tabikh	Studies on epoxy modified cyclohexanone -formaldehyde (CHF)resins	Full Time
	May 2011	D B Patel	Novel poly(ester-imide)s containing epoxy segment	Full Time
	Mar 2012	P J Shah	Synthesis of novel heterocyclic compounds	Part Time
Dr D I Brahmbhatt	31/03/2012	Apoorva A Patel	Synthesis, characterization and antimicrobial activity of some heterocyclic substituted and heterocyclic fused coumarin derivatives	Full Time
Dr M N Patel	08/08/2011	Parmar Pradhuman Amrutsinh	DNA Interaction and Antimicrobial Potency of Square Pyramidal Copper(Ii) and Square Planar Platinum(Ii) Complexes	Full Time
	24/08/2011	Gandhi Deepenkumar Sureshbhai	Synthesis, Characterization, Biological Studies of Some Drug Based Copper(Ii) and Polypyridyl Ruthenium(Ii) Mixed-Ligand Complexes	Full Time
Dr M P Patel	Oct 2011	Pushpak M Shah	Synthesis and medical application of new heterocyclic compounds	Full Time

DEPARTMENT OF HOME SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr V H Patel	12/07/2012	Dr Neeta R Dave	Honey as a Nutraceutical ingredient for Functional Foods	Part time

DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof L M Manocha	31/12/2011	Vishal Makadia	Studies on Synthesis and Characterization of graphene and its composites	Full time
Prof (Mrs) S Manocha	Mar 2012	Hemang Patel	Studies on Development of light weight porous biomorphic Silicon carbide ceramic from pine wood	Full time

DEPARTMENT OF MATHEMATICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
A B Patel S J Bhatt	2011	Shaker Al-Zouraiqi (International Student)	Operator Theory	Full-time

DEPARTMENT OF PHYSICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof K N Joshipura	Jul 2011	Harshit N Kothari	Theoretical study of electron and positron collision processes with atomic and molecular targets of applied interest	Full time
Prof P C Vinodkumar	Jan 2012	Ajay A Majethiya	Properties of Heavy Flavour Baryons using quark models	Part Time
	Mar 2012	Pragna A Vadher	Theoretical modeling of tribological problems using magnetic fluids as lubricants	Part Time
Prof V M Pathak	-	Mr Haresh S Patel	Investigations of MoSe ₂ / Polyaniline heterostructure solar cells	Full time
Prof K D Patel	Aug 2012	Mayurkumar M Patel	Growth and characterization of WSe ₂ thin films and its application in Schottky diode.	Full Time

(B) ECONOMICS SCIENCES

PhD Students Guided (Completed) by the Teachers of the Economic Sciences of Postgraduate Departments in 2011-12

No.	Departments	PhD Guided (Completed)
1.	Business Studies	10
2.	MBA	06
Total		16

DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr P K Rathod	17/09/2011	Ms Hetal K Machhi	Performance Appraisal of GSRTC	Part Time
	13/12/2011	Ms Swati R Parab	A critical study of Capital Structure of selected industries in Gujarat	Part Time
Dr C K Sonara	Aug 2011	C K Patel	Performance appraisal of financial performance of selected Dyes and Pigment industrial units in Gujarat.	Part Time
	Jan 2012	Samir M Vohra	An analytical Study of Human Resource Accounting practices in selected public Enterprises in India.	Part Time

	Feb 2012	Sangita R Prajapati	An In-depth study of profitability and prospects of selected private sector banks in India.	Part Time
Dr P R Sheth	29/09/2011	Shri Himanshu N Sanghvi	Work Environment and its effects on efficiency of women employees in selected service organizations in Gujarat.	Part Time

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr R P Patel	22/06/2011	Mr Ritesh K Patel	Brand Management in Banking Industry with Special Focus on Corporate Branding of Banks : A Case Study of Corporate Banks Operating in Gujarat State.	Part time
	21/10/2011	Mrs Rachna Gandhi	Impact of Pester Power of Children On Purchase of Selected Categories of Products In The State of Gujarat.	Part time
Dr Yogesh Joshi	2011	Samit Dutta	Modernization of Traditional Dairy Products Sector : Techno-economic Assessment and Strategy Formulation for Up-gradation of Chhana Manufacturing.	Part time
Dr P K Priyan	08/09/2011	Ms Bindiya Pathak	A Study on Venture Capital Industry in India with Special Reference to Gujarat.	Part time
	-	Ms Trivedi Jigna Chandrakant	A Study on Micro Venture Capital Finance in India with Special Reference to Gujarat.	Part time
	-	Ms Rejina Joseph	HRM in ITES companies problem & prospects.	Part time

(C) SOCIAL SCIENCES & LANGUAGES

PhD Student Guided (Completed) by the Teachers of Social Sciences of Postgraduate Department in 2011-12

No.	Departments	PhD Guided (Completed)
1.	Education	05
2.	Political Science	01
3.	Psychology	01
4.	Sociology	05
5.	Gujarati	02
6.	Sanskrit	01
Total		15

DEPARTMENT OF EDUCATION

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr Pallavi P Patel	05/03/2012	Divyesh M Patel	Development of a critical thinking programme and its effectiveness for students of class IX.	Part Time
Dr M K Yagnik	15/09/2011	Prashant B Parihar	A study of teacher's empowerment in relation to motivation and self-regulation.	Part Time
Dr K S Likhia	10/08/2011	Somkiat Choraket (International Student)	A study of standardization of School Administration in relation to Organizational Culture.	Part Time
	10/08/2011	Boonsong Champabhoti (International Student)	A study of work effectiveness of vocational colleges in relation to leadership behaviour of Administrators.	Part Time
	29/12/2011	Pranom Choraket (International Student)	A study of the roles of Administrators in improving the Educational performance of Primary Schools in Thailand.	Part Time

DEPARTMENT OF POLITICAL SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr Baldev Agja	18/01/2012	Patel Divyaben Dililpkumar	Gujarat Vidhansabhanu Badalatu Swaroop: Ek Abhayas.	Part Time

DEPARTMENT OF PSYCHOLOGY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof S J Patel	16/10/2012	Ajitsinh R Gohil	A Comparative Study of Anxitey, Mental Health and Adjustment of The Sporty and Non-Sporty Students Studying In Different Universities of Gujarat State.	Part time

DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr R H Makwana	17/02/2011	Paresh R Patel	Social Change in Dungeni Garasia Tribal Community	Full Time
	22/03/2011	Ghanshyam M Butani	Role of Women in Panchayat	Full Time
	07/04/2011	Tannu G Gayakwad	A Sociological Study of Social Change in Bhil Community	Full Time
	16/06/2011	Mahesh S Parmar	Impact of Modernization on Youth	Full Time
	01/08/2011	V C Ninama	A Sociological Study of Dungeni Garasia Tribal Community	Full Time

DEPARTMENT OF ENGLISH

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr J H Khan	17/09/2011	Mr Ashutosh Kantilal Yagnik	A Representation of Identity, Power and Freedom in J M Coetzee's Major Novels	Part Time
	26/09/2011	Mr Kaushal Bharatbhai Kotadia	Self-Directed Learning and Self-Assessment : An In-depth Study of their Efficacy	Part Time
Dr P J Dave	31/12/2011	Ms Rupalben Savjibhai Patel	Shashi Deshpande's Selected Novels: A Gynocentric Study	Part Time

DEPARTMENT OF GUJARATI

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr B R Brahmbhatt	-	Ashwin Brahmbhatt	Sakshar Bhumi Nadiad Na Panch Natyakaro	Part Time

DEPARTMENT OF SANSKRIT

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr N P Patel	-	Khusbu Daneholi	Dharmaraj Adhyayendra Pranit Vedant Paribhasa Eka Adhyayab	Full Time

(2) PhD Students Working Under the Teachers of the Department at Present

(A) BASIC SCIENCES

PhD Students Working Under the Teachers of the Department at Present

No.	Department	PhD Students (Pursuing)
1.	Biosciences	20
2.	Chemistry	11
3.	Computer Science and Technology	04
4.	Home Science	02
5.	Material Science	04
6.	Physics	12
	Total	53

(B) ECONOMIC SCIENCES

PhD Students Working Under the Teachers of the Department at Present

No.	Department	PhD Students (Pursuing)
1.	Business Studies	12
2.	Business Administration (MBA)	19
	Total	31

(C) SOCIAL SCIENCES

PhD Students Working Under the Teachers of the Department at Present

No.	Department	PhD Students (Pursuing)
1.	Education	05
2.	Library and Information Science	05
3.	Social Work (MSW)	03
4.	Political Science	02
5.	Sociology	05
	Total	20

(D) LANGUAGES

PhD Students Working Under the Teachers of the Department at Present

No.	Department	PhD Students (Pursuing)
1.	English	22
2.	Hindi	02
3.	Gujarati	05
	Total	28

(5) MPhil PROGRAMME

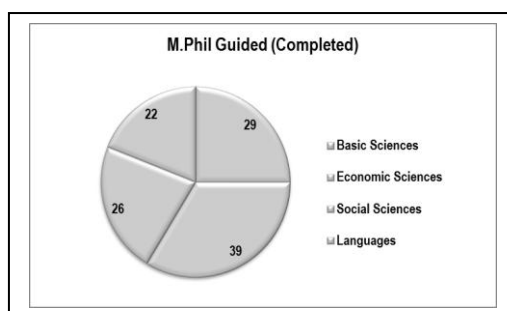
The MPhil Programme is also run in some of our Departments. We tend to take our one-year MPhil Programme as a pre-PhD Programme, wherein we train our students in the fundamentals of research including research methodology and help him/her in enhancing his/her scholastic level necessary for completing the PhD Programme. Our MPhil Programme, together with projects and dissertations, constitutes for us the link between Teaching and Research with regard to our students.

In accordance with the guidelines issued by the University Grants Commission, New Delhi, the University has introduced the entrance test and students counselling by the Departmental Research committee for candidates seeking admission to MPhil.

(1) MPhil Students Guided

(I) OVERVIEW

MPhil Students Guided in the Postgraduate Departments



No.	Departments	MPhil Guided
1.	Basic Sciences	29
2.	Economic Sciences	39
3.	Social Sciences	26
4.	Languages	22

(II) MPhil Programme in the University Departments

(A) BASIC SCIENCES

MPhil Students Guided by the Teachers of Basic Sciences of Postgraduate Departments in 2011-12

No.	Department	MPhil Guided
1.	Biosciences	09
2.	Mathematics	09
3.	Physics	11
	Total	29

DEPARTMENT OF MATHEMATICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
H S Mehta	2011	Nagji Rabari	Banach Algebra without identity
	2011	Ramesh Solanki	Special product of Banach algebras
	2011	Pragnesh Makwana	Different multiplication on matrices
A H Hasmani	2012	Ravi R Panchal	A Study of Lanczos Potential for Axially Symmetric Space-time
	2012	Gopal K Gohel	Methods for Determining Similarity Transformations for PDEs and their Applications
	2011	Sonal Sharma	Bezier Curves
G B Deheri	2011	Jimit Patel	Tribology
H V Dedania	2011	Tejas jani	Topological Groups, Harr Measure Construction and Generalized Characters

DEPARTMENT OF PHYSICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof K N Joshipura	Sept 2011	Mohit S Swadia	A study of positive and negative ion sources for thermonuclear fusion devices
Prof U H Patel	Aug 2011	Mahesh K Patel	Molecular structure and Ab initio calculations of sulfamerazine-polymorph III: X-ray diffraction Technique
Prof P C Vinodkumar	Nov 2011	Manan N Shah	Quantum mechanical sum rules: application to quarkonia
	Jan 2012	Navin J Patil	Properties of Neutron stars in the relativistic mean field theory
Prof B Y Thakore	04/07/2011	Ms Aateka Vahora	First Principles study of structural and vibrational properties of some strontium compounds
	05/08/2011	Ms Sunita M Mehta	Study of elastic and transport properties of Al-Si alloy using local pseudopotential theory
	27/07/2010	Ms Vihal Bhavsar	In the field of condensed theory
Prof K D Patel	19/11/2011	Vishal N Pathak	Structural, optical and electrical properties of flash evaporated SnSePb_x ($X= 0.1, 0.2$) thin films
Prof S H Chaki	Jul 2011	Mr Jiten P Tailor	Study of $\text{Mo}_{0.6}\text{W}_{0.4}\text{Se}_2$ single crystals and MnS nanoparticles.
	Nov 2011	Ms Devangini S Trivedi	Study of $\text{WSe}_{1.93}$ single crystals and SnS_2 nanoparticles.

(B) ECONOMICS SCIENCES**M Phil Students Guided by the Teachers of Economics Sciences of Postgraduate Departments in 2011-12**

No.	Department	MPhil Guided
1.	Business Studies	26
2.	MBA	05
3.	Economics	08
	Total	39

DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr P K Rathod	20/08/2011	Bhautik A Patel	Impact of Working Capital Management on Financial Performance of selected Engineering Units located in GIDC, Vithal Udhyognagar, Gujarat.
	20/08/2011	Nimesh J Khristi	A comparative study of Economic Value Added & Return on Investment of selected Pharmaceutical Companies in India.
	20/08/2011	Arpan V Shah	Enterprise Resources Planning in Engineering Industry – A comparative study of selected Engineering Units in Vitthal Udhyognagar.
	20/08/2011	Hidaytunnisha A Saiyad	Impact of Corporate Governance on Financial Performance of selected Pharmaceutical Companies in India.
	20/08/2011	Sanahuseni M Malek	Analysis of Capital Structure of selected Engineering Companies in Vitthal Udhyognagar.
	20/08/2011	Narendrasinh B Raj (Part-Time)	An analytical study of IPO underpricing under Book Building Method in India.
Dr S K Bhatt	20/08/2011	Chirag N Soni	An Analysis of Dividend Policy of Selected Infrastructure Sector Industry in India: A Comparative Study of Larsen & Toubro Ltd. and Punj Lloyd Ltd.
	20/08/2011	Parul D Zala	Financial Analysis of Selected Foreign Banks in India- a Study of Citi Bank and ABN Amro Bank.
	20/08/2011	Bharti J Ambhani	Financial Analysis of Tata Steel Ltd. and JSW Steel Ltd. – A comparative Study in Mumbai.
	20/08/2011	Chhaya J Prajapati	Financial Strategy of Rural Banking in Gujarat.
	20/08/2011	Nandita S Mustafi	Role of Women in Micro Finance: A Study of Selected Institutes in Gujarat.

Dr C K Sonara	20/08/2011	Dhara Darji	An Indepth Study of Inventory Management of Ferromatik Milacron India Pvt. Ltd., Ahmedabad.
	20/08/2011	Pushpaben Ahir	An Empirical Study of the Financial Analysis of Eimco Elecon (India) Limited and Anupam Industries Limited in Vithal Udyognagar.
	20/08/2011	Dhaval Thakkar	A Comparative Study of Financial Performance of Asian Paints Ltd. and Burger Paints Ltd. in Vadodara.
	20/08/2011	Brijesh Patel	Corporate Governance and Working of GMM Pfaudler Ltd. and Swiss Glasscoat Equipment Ltd. in Vithal Udyognagar.
	20/08/2011	Brijesh Parikh	A comparative study of the Financial Performance of the Baroda City Co-operative Bank Ltd. and the Pragati Sahakari Bank Ltd. Baroda.
	20/08/2011	Jignesh K Joshi (Part-Time)	An Indepth Study of the Financial Performance of Bharat Co-operative Bank Ltd. Vadodara and Alavi Co-operative Bank Ltd. Vadodara.
Dr P R Sheth	20/08/2011	Dipal R Patel	Performance Appraisal: A comparative study of selected Chemical Units in Vadodara District.
	20/08/2011	Nirali Y Shukla	A comparative study of Quality of Work Life in selected Bank Units in Anand District.
	20/08/2011	Nirmala M Chauhan	Fringe Benefits and Services of selected Engineering Units in V. U. Nagar.
	20/08/2011	Sagar V Parekh	Economic Value Added of selected Information Technology Companies of India.
	20/08/2011	Surekha Jha	Human Resource Development Policies and Practices in Vadodara District.
Dr Y M Dalwadi	20/08/2011	Rizwan R Vohra	Merger and Acquisitions and its impact on Operating Performance of Selected Companies.
	20/08/2011	Shraddha G Raj	CEO Compensation and Firm Performance: A Study of Selected Companies in India.
	20/08/2011	Vaibhavi B Shah	Research and Development Expenditure and its impact on Profitability of Selected Pharmaceutical Companies of Gujarat.
	20/08/2011	Sunil Trivedi	Electricity Exchange in India: A Comparative Study of Indian Energy Exchange and Power Exchange India Limited.

Dr Raju M Rathod	Apr 2011	Kiran D Rajput	Organizational Commitment, Job Satisfaction, Role Ambiguity: A Comparative Study of Selected Private Insurance Companies
	Apr 2011	Prashant D Chauhan	A Study on Stock Brokerage Houses: As a Career Option for Commerce Students
	Apr 2011	Shraddha R Patel	A Study on Innovativeness among Management Teachers in Undergraduate Colleges Affiliated to Sardar Patel University
	Apr 2011	Sonali H Shah	A Study on Problems and Prospect of Solar Industry with special reference to Vitthal Udyognagar-GIDC
	Apr 2011	Tarun R Vaghela	A Study on Awareness and Financial Problems of Small Scale Units of Vitthal Udyognagar-GIDC

DEPARTMENT OF ECONOMICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr D G Ganvit	03/12/2011	Alpesh D Patel	A micro study of Tobacco crops cost-Benefit Analysis. (Sp.Ref. to Anand Taluka Gana village.)
	03/12/2011	Rohit V Ravut	A micro study of Bajari crops cost-Benefit Analysis. (Sp. Ref. to Popatpura village, khambhat Taluka)
	31/01/2012	Vijay J Patel	An economic analysis of food crop in Bajari (With special reference to Popatvav Village in Khambhat Taluka of Anand District)
Dr Sonal Bhatt	14/07/2011	Mr Himanshu Mehta	A micro study of Bajari crops cost-Benefit Analysis. (Sp. Ref. to Popatpura village, khambhat Taluka)
	14/07/2011	Mr Mukul Sarmah	Problems of Small Tea Growers: A Study of Selected Villages in Golaghat district of Assam.
	03/10/2011	Ms Nayna Solanki	Nana Doodh Utpaadakoni Aarthik Pravrutti upar sahkari dairy ni asaro.

(C)SOCIAL SCIENCES

M Phil Students Guided by the Teachers of Social Sciences of Postgraduate Departments in 2010-12

No.	Department	MPhil Guided (Completed)
1.	Social Work (MSW)	04
2.	Psychology	07
3.	Sociology	15
	Total	26

DEPARTMENT OF PSYCHOLOGY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof L R Yagnik	---	Sangeeta B Joshi	A study of emotional maturity and achievement motivation among the college students.
	---	Monika M Patel	A study of adjustment and job satisfaction among university teachers.
Prof S J Patel	---	Mahesh B Bharwad	A study of self concept & emotional maturity of secondary and higher secondary students.
	---	Nirali A Patel	A study of death anxiety and depression of old age people.
Dr S N Pathak	---	Priscilla Kezi Henry K	A study of creativity and temperament of high achievers and low achievers of university college students.
Dr S M Makwana	---	Bhavika M Parmar	A study of emotional intelligence and adjustment among school students.
Dr P S Suvera	---	Sejal J Patel	Locus of control, work value and psychological well-being: A comparative study of vidhya sahayak and permanent teachers.

DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr J M Trivedi	15/12/2011	Lalaji Gamit	Role of BIAF in Tribal Development
	15/12/2011	Chauhan Manji	Social Change and Problems in Koli Caste
	15/12/2011	Vada Devayat	A Study of Pilgrims of Girnar (Mountain)
Dr H N Patel	19/11/2011	Rahul K Vaghela	Construction workers in Urban Area: A Sociological Study
	19/11/2011	Rajesh M Rathod	Doodh Utpadak Sakhari Mandlima Doodh Bharti Mahilao
	11/01/2012	Bhavesh C Gohel	Workers in the Quarry Industry: A Sociological Study

	11/01/2012	Ashish S Parekh	Changing Values and Aspirations of P G Students: A Sociological Study
Dr R H Makwana	25/07/2011	Ribeca K Dabhi	A Sociological Study of the Women of Ashraygrih
	15/07/2011	Vishnu L Hadal	The Condition of Development and Problems in Tribal Community
	15/07/2011	Sanjay A Thakor	A Sociological Study of Educated Villagers Opinions and Attitude about Gunotsav Programme
	15/07/2011	Bharat K Machhi	The Role of Sakhi Mandal in The Development of Tribal Women
Dr I M Macwan	2011	Patel Bhupendra G	Women's Empowerment by Milk Co-Op. Society
	2011	Vahora Saleha	Kinnaro- A Sociological Study

(C) LANGUAGES

M Phil Students Guided by the Teachers of Postgraduate Departments of Languages in 2011-12

No.	Department	MPhil Guided
1.	Gujarati	20
2.	English	11
Total		31

DEPARTMENT OF ENGLISH

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr J H Khan	Jun 2011	Mr Utpal K Ganatra	English as an Instrument for Employment (With Specific Reference to Some Software Companies in Gujarat)
Dr R K Mandalia	Jun 2011	Ms Archana M Rana	Female Characters in Namita Gokhale's Novels Paro and Priya
		Ms Dipika K Kevlani	A Comparative Study between Ruskin Bond's Suzanna's Seven Husbands and Saat Khoon Maaf
		Ms Parvin R Sodagar	Critical Analysis of O Chandumenon's Indulekha in the Context of Kalidasa's Abhijnanamsakuntalam
		Ms Shilpi Srivastava	Human Degradation: A Thematic Analysis on Kamal Markandeya's Novels Some Inner Fury and Possession
		Ms Sonal V Agrawal	Comparative Study between the Movies and the Novel The Mistress of the Spices
Dr P J Dave	Jun 2011	Mr Kumar V Chandvani	A Study of Feminism and Magical Realism with Special Reference to Isabel Allende's The Stories of Eva Luna

		Ms Anuja A Macwan	Summit Entertainment's Twilight and Stephen Meyer's Twilight: A Comparative Study
		Ms Shagufta H Thakor	Realism in Rohinton Mistry's A Fine Balance and Such a Long Journey
		Ms Bhavna B Pandey	Partition through the Eyes of Pari Culture in the Novels of Bapsi Sidhwa
		Ms Khushboo K Rathod	The Element of Communalism Depicted in the Novels Tamas and Riot: A Comparative Study

DEPARTMENT OF GUJARATI

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof P D Pandya	Sep 2011	Chetan Jadav	Ramesh Parekh Ni Kavita Ma Kriya Visheshanono Sahityagat Abhiyas
	---	Smita Bhoje	Kansarini Katha: Ek Abhyas
	---	Ila Chaudhari	Chaudhari Boli: Ek Abhyas
	---	Manisha Chavda	Gujarati Na Visheshan: Ek Abhyas
Dr J M Patel	---	Gita Vaghela	Gujarati Nibandhma Atmalaxita
	Sep 2011	Jignesh Thakkar	Aadhunik Gujarati Vivechan Ma Kavyaswad
	---	Jignesh Parmar	Anu Adhunik Kavita Ma Bhartiyatanu Alekhan
Dr M H Patel	---	Kalpesh	Balvant Jani- Sampadan Shitya
	---	Kamlesh Patel	Shridharani Na Kavya
	---	Rakesh Zala	Laghu Naval Ma Samaj
Dr B R Brahmhatt	---	Shailesh Vankar	Suresh Joshi Na Nibandho Ma Prakruti
	---	Arvind Valand	Mohan Parmar Ni Navalkatha Ma Samaj
Dr P R Pathak	---	Narendra Barot	Nar Patadhar Nipje(Char Bhag) Ni Lok-Katha Nu Suchikaran
	---	Aniruddh Ravlji	Sahitya Ane Etahas No Sambandh: Ek Adhyayan
	---	Kirtikumar Patel	Gujarati Tukivarta Ma Pita-Putri Ane Ma-Dikri Na Sambandho No Abhyas
	---	Rashik Babariya	Pashuoo Nu Alekhan Karti Pashandgi Ni Prakashit Gujarati Lok-Katha Ane Gujarati Tukivartaoo:Ek Adhyayan
	---	Vishal Patel	Dr Hasu Yagnik Nu Gujarati Lok-Sahitya Xetre Pradan: Ek Adhyayan
	---	Biren Patel	Sundram Na 'Daxina' Samaiek Ma Pragat Thayeli Gujarati Kavitaoo Nu Serveykan

DEPARTMENT OF SANSKRIT

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr N P Patel	---	Paresh Parekh	Vaiyakaram Siddhntkaumadine be Tikko – Tarvabodhini and Balabodhini nu Tatpurush Sama Prakana na Pari Prekshyama Talanatmak Adhyayana
	---	Hiral Patel	Nyayasara Padapanchika nu Vasudeve Karalu Khandan

(2) MPhil STUDENTS PURSUING IN DEPARTMENTS

(A) BASIC SCIENCES

MPhil Students Working under the Teachers of the Department at Present

No.	Department	MPhil Student (Pursuing)
1.	Mathematics	06
2.	Physics	07
	Total	13

(B) ECONOMIC SCIENCES

MPhil Students Working under the Teachers of the Department at Present

No.	Department	MPhil Student (Pursuing)
1.	Business Administration (MBA)	05
2.	Economics	03
	Total	08

(C) SOCIAL SCIENCES

MPhil Students Working under the Teachers of the Department at Present

No.	Department	MPhil Student (Pursuing)
1.	Social Work (MSW)	06
2.	Political Science	05
3.	Sociology	11
	Total	22

(D) LANGUAGES

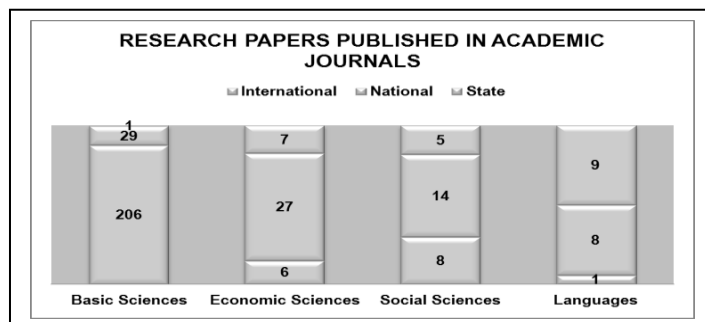
MPhil Students Working under the Teachers of the Department at Present

No.	Department	MPhil Student (Pursuing)
1.	Hindi	03
2.	Gujarati	17
3.	English	03
	Total	23

3.2 PUBLICATIONS

(1) RESEARCH PAPERS PUBLISHED IN ACADEMIC JOURNALS

(I) AN OVERVIEW



Publication of Research Papers in International/National/State Level Journals by the Teachers of Postgraduate Departments in 2011-12

No.	Departments	International	National	State
1.	Basic Sciences	206	29	01
2.	Economic Sciences	06	27	07
3.	Social Sciences	08	14	05
4.	Languages	01	08	09

(II) PUBLICATIONS OF RESEARCH PAPERS FROM THE UNIVERSITY DEPARTMENTS.

(A) BASIC SCIENCES

Research Papers Published by the Teachers of Basic Sciences of Postgraduate Departments in International/National/State – Level Journals in 2011-12

No.	Departments	International	National	State
1.	Biosciences	54	08	-
2.	Chemistry	51	01	-
3.	Computer Science and Technology	41	12	-
4.	Electronics	03	-	-
5.	Materials Science	12	-	-
6.	Mathematics	07	03	-
7.	Physics	38	07	01
	Total	206	29	01

DEPARTMENT OF BIOSCIENCES

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Parmar A, Singh N K, Kaushal A, Sonawala S and Madamwar D	Purification, characterization and comparison of phycoerythrins from three different marine cyanobacterial cultures	Bioresource Technology	International, USA	102(2)	1795- 1802	2011

Dandavate V, Keharia H and Madamwar D	Ester synthesis using <i>Candida rugosa</i> lipase immobilized on magnetic nanoparticles.	Biocatalysis and Biotransformation	International, UK	29(2)	37-45	2011
Shah V, Jain K, Desai C and Madamwar D	Metagenomics and integrative ‘-omics’ technologies in microbial bioremediation:	Metagenomics : Current Innovations and Future Trends	International, UK	Chapter 12	211-240	2012
Acharya B K, Pathak H, Mohana S, Shouche Y, Singh V and Madamwar D	Kinetic modeling and microbial community assessment of anaerobic biphasic fixed film bioreactor treating distillery spent wash.	Water Research	International, UK	45	4248-4259	2011
Parmar A, Singh N K, Kaushal A and Madamwar D	Characterization of an intact phycoerythrin and its cleaved 14kDa functional subunit from marine cyanobacterium <i>Phormidium</i> sp. A27DM	Process Biochemistry	International, UK	46	1793-1799	2011
Parmar A, Singh N K, Pandey A, Gnansounou E and Madamwar D	Cyanobacteria and microalgae: A positive prospect for biofuels	Bioresource Technology	International, USA	102	10163-10172	2011
Shah V, Jain K, Desai C and Madamwar D	Molecular analyses of microbial activities involved in bioremediation: Current scenario and future applications.	Microbes in Environmental Management and Biotechnology	International, UK	Chapter 11	221-248	2012
Chapla D, Patel H, Singh A, Madamwar D and Shah A	Production, purification and properties of a cellulose-free thermostable endoxylanase from newly isolated <i>Panibacillus</i> sp. ASCD2	Annals of Microbiology	International, Italy	62	825-834	2012
Patel V, Jain S and Madamwar D	Naphthalene degradation by bacterial consortium (DV-AL) developed from Alang-Sosiya ship breaking yard, Gujarat, India	Bioresource Technology	International, USA	107	122-130	2012

Patel V, Cheturvedula S and Madamwar D	Phenanthrene degradation by Pseudoxanthomonas sp. DMVP2 isolated from hydrocarbon contaminated sediment of Amlakhadi canal, Gujarat, India.	Journal of Hazardous Materials	International, Ireland	201-202	43-51	2012
Jain K, Shah V, Chapla, D and Madamwar D	Decolorization and degradation of azo dye – Reactive Violet 5R by an acclimatized indigenous bacterial mixed cultures-SB4 isolated from anthropogenic dye contaminated soil.	Journal of Hazardous Materials	International, Ireland	213-214	378-386	2012
Narra M, Dixit G, Divecha J, Madamwar D and Shah A	Production of cellulases by solid state fermentation with Aspergillus terreus and enzymatic hydrolysis of mild alkali-treated rice straw	Bioresource Technology	International, USA	121	355-361	2012
S Venkata Mohan, P Suresh Babu, K Naresh, G Velvizhi and Madamwar D	Acid azo dye remediation in anoxic-aerobic-anoxic microenvironment under period discontinuous batch operation: Bio-electro kinetics and microbial inventory	Bioresource Technology	International, USA	119	362-372	2012
Chapla D, Patel H, Madamwar D and Shah A	Assessment of a Thermostable Xylanase from Paenibacillus sp. ASCD2 for Application in Prebleaching of Eucalyptus Kraft Pulp	Waste Biomass Valorization	International, Spain	3	269-274	2012
Karumanchi S Rao, Jong Sik Kim and Yoon Soo Kim	Early changes in the radial walls of storied fusiform cambial cells during fiber differentiation	IAWA	International	32	333-340	Dec 2011

K S Rajput and K S Rao	Development of vascular cambium in the petiole of <i>Terminalia catapa</i> L., (Combretacea)	Phyton	International	51	289-297	Oct 2011
Prashant S, M S Sunitha, S Pramod, Karumanchi S Rao, S K Rawal, and P B Kavi Kishor	Down-regulation of <i>Leucaena leucocephala</i> cinnamoyl CoA reductase (LICCR) gene induces significant changes in phenotype, soluble phenolic pools and lignin in transgenic tobacco	Plant Cell Reports	International	30	2215-2231	Dec 2011
Sirisha V L, D Ranadheer Kumar, S Prashant Pramod Sivan N Jalaja P Maheshwari Rao, S Nageswara Rao, Preeti Mishra, S Rao Karumanchi, B M Khan and P B Kavi Kishor	Cloning, characterization and impact of up- and down-regulating <i>Subabul cinnamyl alcohol dehydrogenase</i> (CAD) gene on plant growth and lignin profiles in transgenic tobacco	Plant Growth Regulation	International	66	239-253	Jan 2012
Rupal A Vasant, A V R L Narasimhacharya	Amelioration of fluoride induced oxidative stress by <i>Mangifera indica</i> L. fruit.	Spatula DD	International	1 (4)	181-188	Nov 2011
Rupal A Vasant, A V R L Narasimhacharya	Antihyperglycemic and antihyperlipemic effects of <i>Mangifera indica</i> L. in fluoride induced toxicity	Pharmacology online	International	3	265-274	Dec 2011
Rupal A Vasant, A V R L Narasimhacharya	Alleviatory potential of <i>Emblica officinalis</i> G. as a food supplement in fluoride induced hyperlipemia and oxidative stress	Journal of Pharmacy and Pharmaceutical Sciences	International	4 (1)	404-408	Dec 2011
Rupal A Vasant, A V R L Narasimhacharya	Amla as an antihyperglycemic and hepato-renal protective agent in fluoride induced toxicity	Journal of Pharmacy and Bioallied Sciences	International	4 (3)	250-254	Jan 2012

Mohan N Patel, Bhupesh S Bhatt, Promise A Dosi, A V R L Narasimhacharya, Hetal V Movaliya	Synthesis, spectral investigation and biological interphase of drug-based cytotoxic square pyramidal coordination compounds.	Applied Organometallic Chemistry	International	DOI: 10.1002/aoc.2841		Feb 2012
Rupal A Vasant, A V R L Narasimhacharya	Ameliorative effect of tamarind leaf on fluoride-induced metabolic alterations	Environmental Health and Preventive Medicine	International	DOI: 10.1007/s12199-012-0277-7		Mar 2012
Vishal Oza, Pritesh Parmar, Priyanka Patel, Riti Singh, Ujjaval Trivedi and R B Subramanian	Homology modeling of Plant L-asparaginase; Characterization of its ligand binding efficiency	Journal of Advanced Bioinformatics Applications and Research	International	2(1)	100-107	---
Himanshu S Bariya, Vasudev R Thakkar, Amit N Thakkar and Subramanian R B	Induction of systemic resistance in different varieties of Solanum tuberosum, by pure and crude elicitor treatment.	Indian journal of Experimental Biology	National	49	151-162	2011
Yachana S Jha, R B Subramanian and Suchita Patel	Endophytic Bacteria Induced Enzymes against <i>M. grisea</i> in <i>O. sativa</i> under Biotic Stress	African journal of basic and applied sciences	International	3(4)	136-146	2011
Suchita Patel, R B Subramanian and Yachana S Jha	A simple and rapid method for isolation of Alternaric acid from <i>Alternaria solani</i>	Current trends in Biotechnology and Pharmacy	National	5(2)		2011
Pritesh Parmar and R B Subramanian	PCR based method for testing Fusarium wilt resistance of tomato	African journal of basic and applied sciences	International	3(5)	219-222	2011

Yachana Jha, R B Subramanian and Suchita Patel	Combination of endophytic and rhizospheric plant growth promoting rhizobacteria in Oryza sativa shows higher accumulation of osmoprotectants against saline stress	Acta physiologiae plantarum	International	33(3)	797- 802	2011
Bhaumik Dave, Ankit sudhir, Mehul Pansuriya, Dharmesh Raykundaliya, R B Subramanian	Utilization of Jatropha deoiled seed cake for production of cellulases under solid state fermentation	Bioprocess and Biosystems engineering	International	35	1343- 1353	2012
Ankit Sudhir, Bhaumik Dave, Kalkal Trivedi, R B Subramanian	Production and amplification of an L- asparaginase gene from actinomycetes isolate Streptomyces ABR2	Annals of Microbiology	International	---	---	2012
Pritesh Parmar, Mandakini Patel, Bhaumik Dave, R B Subramanian and Hyeun- jong Bae	Isolation, cloning and expression of novel metallothionine type II protein from Colocassia esculentum	Universal journal of medicine and dentistry	International	1(3)	37-45	2012
Pritesh Parmar, Madhvi Gandhi, and R B Subramanian	Isolation and molecular characterization of avirulence gene from Indian isolates of Fusarium oxysporum f. sp. lycopersici	Journal of cell and tissue research	National	12(1)	3061- 3067	2012
Harsur M Jajda & Vasudev R Thakkar	Control of Aspergillus niger infection in varieties of Arachis hypogaea L. by supplementation of zinc ions during seed germination	Archives of Phytopatholog y and Plant Protection.	International	Vol. 45, Issue 12	1468- 1478	Jul 2012

Biochemical and molecular determinance of resistance and susceptibility in <i>Solanum tuberosum</i> (potato) plants challenged with <i>Phytophthora infestans</i>	Himanshu Bariya, Vasudev Thakkar, Saurabh Tanna & R B Subramanian	Archives of Phytopathology and Plant Protection.	International	<u>Vol. 45,</u> <u>Issue 12</u>	1429-1438	Jul 2012
U D Bharucha, V S Prajapati, K C Patel, U B Trivedi	Catechol type of siderophore production by <u>Enterobacter</u> sp. UB4 isolated from rhizospheric soil of alfalfa plant	Journal of cell and tissue research	National	11 (3)	2967-2971	2011
Prakash R Patel, Neeta B Gol, Tadapaneni V Ramana Rao	Physiochemical changes in sunberry (<i>Physalis minima</i> L.) fruit during growth and ripening,	Fruits	---	---	---	---
Prakash R Patel and T V Ramana Rao	Biochemical changes in relation to growth and ripening of Indian cherry (<i>Cordia dichotoma</i> Forst. F.): an underutilized fruit.	International Journal of Fruit Science	International	11	1-11	2011
Neeta B Gol and T V Ramana Rao	Banana fruit ripening as influenced by edible coatings.	International Journal of Fruit Science	International	11 (2)	119-135	2011
T V Ramana Rao, Neeta B Gol and Khilana K Shah	Effect of postharvest treatments and storage temperatures on the quality and shelf life of sweet pepper (<i>Capsicum annum</i> L.).	Scientia Horticulturae,	International	132	18-26	2011
Prakash R Patel and T V Ramana Rao	Effect of maturity indices of <i>Carissa carandus</i> fruit on its antibacterial activity	Der Pharmacia Lettre	International	3(6)	31-35	2011
Prakash R Patel and T V Ramana Rao	Antibacterial activity of indian cherry during its growth and ripening.	International Journal of Applied Biology and Pharmaceutica l Technology	International	2 (4)	172-177	2011

Prakash R Patel and T V Ramana Rao	Influence of growth and ripening of <i>Physalis minima</i> L. fruit on its antibacterial potential	Research Journal of Medicinal Plants		6(4)	326-333	2012
Prakash R Patel and T V Ramana Rao	Antibacterial activity of underutilized fruits of Jamun (<i>Syzigium cumini</i>)	International Journal of Current Pharmaceutical Research	International	4 (1)	36-39,	2012
Prakash R Patel and T V Ramana Rao	Screening of antibacterial activity of some underutilized fruits of Sapotaceae	International Food Research Journal,	International	19 (3)	1227-1231	2012
Prakash R Patel and T V Ramana Rao	Physiological changes in Karanda (<i>Carissa carandus</i> L.) fruit during growth and ripening.	Nutrition and Food Science	International			2012
Soumya V Menon and T V Ramana Rao	Enzyme activities during the development and ripening of watermelon (<i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai) fruit	International Journal of Plant Developmental Biology,	International	6 (1)	21-26	2012
B Kavita, Limbachiya J & Keharia H	Hexavalent chromium sorption by biomass of chromium tolerant <i>Pythium</i> sp.	Journal of Basic Microbiology	International	51	173-182	2011
Anjali Bose, B Kavita & Haresh Keharia	The suitability of <i>Jatropha</i> seed press cake as a biosorbent for removal of hexavalent chromium from aqueous solutions.	Bioremediation Journal	International	15	218-229	2011
Ritu J Dixit, Tarosh J Patel, Satish F Vanparia, Anju P Kunjadiya, Haresh Keharia & Bharat Dixit	DNA-Binding interaction studies on microwave assisted synthesized sulfonamide substituted 8-Hydroxyquinoline derivatives	Scientia Pharmaceutica		79	293-308	2011

Digantkumar Chapla, Harshvadan Patel, Atmika Singh, Datta Madamwar and Amita Shah	Production, Purification and properties of cellulase-free thermostable endoxylanase from newly isolated Paenibacillus sp. ASCD2.	Annals of Microbiology	International	DOI 10.1007/s113-011-0325		Jul 2011
Digantkumar Chapla, Pratima Pandit and Amita Shah	Production of xylooligosaccharides from corncob xylan by fungal xylanase and their utilization by probiotics.	Bioresource Technology	International	115	215–221	Oct 2011
Digantkumar Chapla, Harshvadan Patel, Datta Madamwar and Amita Shah	Assessment of a Thermostable Xylanase from Paenibacillus sp.ASCD2 for Application in Prebleaching of Eucalyptus Kraft Pulp.	Waste and Biomass Valorization	International	DOI 10.1007/s12649-012-9112-z		Mar 2012
Bharucha, UD, Prajapati, V S Patel, K C and Trivedi, U B,	Catechol Type of Siderophore Production by Enterobacter Sp. UB4 Isolated from the Rhizospheric Soil of Alfaalfa Plant,	Journal of Cell and tissue Research;	National	11:2967-2971.		2011
Purvesh B Bharvad, J S S Mohan, Rupal A Vasant, A V R L Narasimhacharya	Antihyperlipaemic and antioxidant effects of aqueous and methanolic leaf extracts of Schweinfurthia papilionacea A. Br. in streptozotocin induced diabetes	Pharmacology online	International	2:	312 - 321	2011
Purvesh B Bharvad, Ashish R Nayak, Naynika K Patel and J S S Mohan	Screening of root extracts of some Indian medicinal plants for their antibacterial activity	Prajna	National	19	14-18	2011

Sood, P P, Chiragini, H M and Kalia K	Antioxidative effect of bamboo leaves extract and DL- α -Lipoic acid alone or as combined therapy on lead induced nephritic and neuronal oxidative impairment	Journal of Cell and Tissue Research	National	11	2471-2478	2011
K V Pavani, Kiran Kalia, Gayathramma K	Influence of manganese on iron accumulation by bacillus circulans	Int J Eng scien Tech	International	3	2530-36	2011
Kalia K and Patel HV	The diabetogenic effect of arsenic	Chapter in book Environmental Pollution, Ecology and Human Health, (Ed. GP Reddy, SJS Flora, RM Basha) Narosa Publishing House, New Delhi	International			
Patel HV, Mannari J & Kalia K	Angiotensin converting enzyme (ACE) gene polymorphism increases the susceptibility of diabetic nephropathy in Western Indian Type 2 diabetic patients	International Journal of Diabetes in Developing Countries	International	31 (4)	223-228	
Patel HV & Kalia K	Role of hepatic and pancreatic oxidative stress in arsenic induce hyperglycemic condition in Wistar rats	J Environ Biol	National			
Mohan S, Kalia K, Mannari J	Diabetic Nephropathy and Associated Risk Factors for Renal Deterioration	International Journal of Diabetes in Developing Countires	International	DOI 10.1007/s13410-011-0047-x		
Sandesh Mohan, Kiran Kalia, Jyoti Mannari	Association Between Urinary IgG and Relative Risk for Factors Affecting Proteinuria in Type 2 Diabetic Patients	Ind J Clin Biochem	National	27 (4)	333-339	

Mohan S, Kalia K, Mannari, J	Urinary IgG is a Pure Strong Indicator of Diabetic Nephropathy than Microalbuminuria in Type 2 Diabetic Patient	International Journal of Diabetes in Developing Countries	International	(In press)		
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DEPARTMENT OF CHEMISTRY

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
K D Patel and H S Patel	Synthesis, characterization and in-vitro antimicrobial activities of coordination polymer based on bis-bidentate ligand	Int. J. Polym. Mater. (USA)	International	60(8)	518-528	2011
K D Patel and H S Patel	Antimicrobial, spectral and thermal aspects of some novel co-ordination polymers-based on 8-hydroxy quinoline	Elixir Appl. Chem.	International	41	5693-5698	2011
Y S Patel and H S Patel	Studies on novel coordination polymer based on 2,5 bis(4-chlorophenyl carbamoyl)terephthalic acid and divalent transition metal	Der Chemica Sinica	International	2(6)	85-67	2011
P N Patel K D Patel and H S Patel	Synthesis and biological study of novel 5-{(4-(6,7-dihydrothieno-[3,2-c]pyridin-5(4H)-ylsulfonyl) phenyl amino)-methyl}quinolin-8-ol and its metal complexes,	Chinese Chemical Letters	International	22	1297-1300	2011
P N Patel D J Patel and H S Patel	Synthesis, spectroscopic, thermal and biological aspects of drug-based copper(II) complexes,	Appl. Organometal. Chem.	International	25	454-463	2011
V P Modi P N Patel and H S Patel	Studies on synthesis, characterization and solvatochromic effect of novel tris(heteroaryl)bisazo dyes for dyeing polyester fabric	Elixir Org. Chem.	International	44	7192-7201	2012
Y S Patel and H S Patel	Studies on novel coordination polymer	Elixir Appl. Chem.	International	44	7238-7242	2012

	based on pyromellitic dianhydride					
K K Oza P N Patel and H S Patel	Synthesis of some novel divalent transition metal complexes as antimicrobials	Chinese Chemical Letters	International	22	935–938	2012
Y S Patel Bolishetti Srinivasulu and H S Patel	Synthesis, spectral, magnetic, thermal and biological aspects of pyromellitic dianhydride based co-ordination polymers	Int J Plast Technol	International	10.1007/s12588-012-9035-3	---	2012
D I Brahmbhatt, Niraj H Patel, Anil K Patel, Mehul A Patel and Varun G Patel	Synthesis and antimicrobial activity of some 7-aryl-5,6-dihydro-14aza[1] benzopyrano[3,4-b]phenanthren-8H-ones	Journal of Heterocyclic Chemistry	International	48	840	Jul 2011
Anil K Patel, Niraj H Patel, Mehul A Patel and Dinkar I Brahmbhatt	Synthesis of some 3-(4-aryl-benzofuro [3,2-b]pyridin-2-yl)coumarin derivatives and their antimicrobial screening	Journal of Heterocyclic Chemistry	International	49,3	504-510	2012
Mehul A Patel [§] , Varun G Bhila [§] , Niraj H Patel, Anil K Patel and Dinker I Brahmbhatt*	Synthesis characterization and biological evaluation of some pyridine and quinoline fused chromenone derivatives	Medicinal Chemistry Research	International	DOI 10.1007/s00044-012-9978-0	---	2012
Mohan N Patel, Deepen S Gandhi, Pradhuman A Parmar	Effect of substituent of terpyridines on the DNA-interaction of polypyridyl ruthenium(II) complexes	Spectrochimica Acta Part- A	International	84	243–248	2011
Mohan N Patel, Promise A Dosi, Bhupesh S Bhatt	DNA interaction, free radical scavenging and in vitro-antibacterial activity of drug based copper(II) complexes	Applied Organometallic Chemistry	International	25	653-660	2011
Mohan N Patel, Promise A Dosi, Bhupesh S Bhatt	Antibacterial and superoxide dismutase activity and DNA interactions of ciprofloxacin-based ternary copper(II) phenanthroline complexes	Zeitschrift für Anorganische und Allgemeine Chemie	International	637	1602-1611	2011
Mohan N Patel, Promise	Synthesis, characterization,	Medicinal Chemistry	International	21(9)	2723-2733	2012

A Dosi, Bhupesh S Bhatt	antibacterial activity and DNA interaction studies of drug based mixed ligand copper(II) complexes with terpyridines	Research				
Mohan N Patel, Bhupesh S Bhatt, Promise A Dosi	Spectroscopic study of DNA hydrolysis, DNA intercalative and electrostatic interaction activity exerted by drug based coordination compounds	Zeitschrift fur Anorganische und Allgemeine Chemie	International	638(01)	152–162	2012
Mohan N Patel, Deepen S Gandhi, Pradhuman A Parmar	DNA interacting and in-vitro antibacterial studies of fluoroquinolone based platinum(II) complexes	Inorganic Chemistry Communications	International	15	248–251	2012
Mohan N Patel, Promise A Dosi, Bhupesh S Bhatt	Nucleic acid interaction and antibacterial behaviours of a ternary palladium(II) complexes	Spectrochimica Acta Part- A	International	86	508–514	2012
M N Patel, B S Bhatt, D S Gandhi, P A Dosi, P A Parmar	Spectrophotometric determination of ciprofloxacin by ion pairing method	Journal of Analytical chemistry	International	76 (5)	1-6	2012
Mohan N Patel, Hardik N Joshi, Chintan R Patel	DNA-interaction, in vitro antimicrobial and SOD like activity of copper(II) complexes with norfloxacin and terpyridines	Journal of Organometallic Chemistry	International	701	8–16	2012
Mohan N Patel , Deepen S Gandhi, Pradhuman A Parmar, Bhupesh S Bhatt, Anshul P Patidar	Cis-platin analogus of bipyridines; covalent binding and degree of unwinding	Zeitschrift fur Anorganische und Allgemeine Chemie	International	638(5)	838-843	2012
Mohan N Patel, Bhupesh S Bhatt, Promise A Dosi	Study of SOD mimic and nucleic acid interaction activity exerted by ciprofloxacin based copper(II) complexes of phenanthrolines	Chemistry & Biodiversity	International	64	1276-1288	2011
Mohan N Patel, Bhupesh S Bhatt, Promise A	Topoisomerase inhibition nucleolytic and electrolytic contribution on DNA	Applied biochemistry and biotechnology	International	166	1949-1968	2012

Dosi	binding activity exerted by biological active analogue of coordination compounds					
Mohan N Patel, Bhupesh S Bhatt, Promise A Dosi, Hetal V Movaliya, A V R L Narshimacharya	Synthesis, spectral investigation and biological interphase of drug based cytotoxic square pyramidal coordination compounds	Applied Organometallic Chemistry	International	26	217-224	2012
Mohan N Patel, Deepen S Gandhi, Pradhuman A Parmar, Hardik N Joshi	DNA binding and cleavage activity of polypyridyl ruthenium(II) complexes	Journal of Coordination Chemistry	International	96	1926-1936	2012
N J Parmar, B R Pansuriya, H A Barad, B D Parmar, R Kant, V K Gupta	Triethylammonium acetate mediated domino/ Knoevenagel–hetero-Diels–Alder reaction: synthesis of some angular polyheterocycles	Monatsh Für Chemie	International I.F.1.565	Communicated	---	---
N J Parmar, B R Pansuriya, B M Labana, T R Sutariya, R Kant and V K Gupta	Access to some novel angular aminochromeno[2,3-c]pyrazole precursors via a domino Knoevenagel-hetero-Diels-Alder reaction	Eur. J.Org.Chem. (in Press)	International I.F.3.328	Accepted	---	Sept 2012
N J Parmar, B R Pansuriya, H A Barad, Rajni Kant, V K Gupta	An improved microwave assisted one-pot synthesis, and biological investigations of some novel aryldiazenyl chromeno fused pyrrolidines	Bio. Med. Chem. Letters	International I.F. 2.661	2012(22)	4075–4079	---
N J Parmar, H A Barad, B R Pansuriya, S B Teraiya, V K Gupta, Rajni Kant	An efficient one–pot synthesis, structure, antimicrobial and antioxidant investigations of some novel quinolyldibenzo[b,e][1,4] diazepinones	Bio. Med. Chem. Letters	I.F.2.661	2012(22)	3816–3821	---
N J Parmar, S Teraiya, R Patel, H Barad H, Jadja B V Thakkar	Synthesis, antimicrobial and antioxidant activities of some 5-pyrazolone based Schiff bases	J. Saudi Chem. Soc.,	International (refereed journal)	Refereed Journal	DOI: 10.1016/j.jscs.2011/1	---

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N J Parmar, R Patel, S Teraiya, D Sharma, V Gupta	Catalyst-, and solvent-free one-pot synthesis of some novel polyheterocycles from aryldiazenyl salicylaldehydes derivatives	RSC Advances	International I.F.2.5	2012 (2)	3069–3075	---
N J Parmar, S B Teraiya, H A Barad, D Sharma, & V K Gupta	Efficient one-pot synthesis of precursors of some novel aminochromene annulated heterocycles via domino/ Knoevenagel-hetero-Diels-Alder reaction	Synthetic Communications	International I.F. 1.02 (0039-7911)	Online published	Online Published	17/07/2012
N J Parmar, S B Teraiya, R A Patel, N P Talpada	Tetrabutylammonium hydrogen sulfate mediated domino reaction: synthesis of novel benzopyran-annulated pyrano[2,3-c]pyrazoles,	Tetrahedron Letters	International IF.2.66 (0095-8972)	52	2853–2856	Jun 2011
N J Parmar, H A Barad, B R Pansuriya, R A Patel	Chelation and extraction of copper(II) with 5-pyrazolone-based Schiff bases,	J. Coord. Chem.	International IF.1.932 (00951.-8972)	64(4):	688-698	Feb 2011
J H Trivedi, T A Bhatt, and H C Trivedi	Graft Copolymerization of Glycidyl Methacrylate onto Sodium salt of Partially Carboxymethylated Guar Gum: Synthesis and Characterization	Trends in Carbohydrate Research	International	3 (4)	35-41	2011
J H Trivedi, T A Bhatt and H C Trivedi	Grafting of Butyl Acrylate onto Sodium salt of Partially Carboxymethylated Guar Gum Using Cerium Ions	J. of Pure & Applied Sciences – PRAJNA	National	19	25-31	2011
Amit Dholakia, Jayesh Jivani, Jignesh Trivedi, Kirit Patel and Harikrishna Trivedi	UV-Radiation induced graft copolymerization of methyl methacrylate onto Sodium salt of Partially Carboxymethylated Psyllium	J. Appl. Polym. Sci.	International	124	4945-4952	2012
Deepali Kotadia, Saurabh S Soni	Silica gel supported – SO ₃ H functionalized benzimidazolium based ionic liquid as	Journal of Molecular Catalysis A : Chemical	International	353 -354	44 – 49	2012

	a mild and effective catalyst for rapid synthesis of 1-amidoalkyl naphthols					
Saurabh S Soni, Kishan B Fadadu, Alain Gibaud	Ionic conductivity through thermoresponsive polymer gel : ordering matters	Langmuir	International	28	751–756	2012
N V Sastry, N M Vaghela, P M Macwan, S S Soni, V K Aswal, A Gibaud	Aggregation behavior of pyridinium based ionic liquids in water – surface tension, ¹ H NMR chemical shifts, SANS and SAXS measurements	Journal of Colloid and Interface Sciences	International	371	52-61	2012
Harshad G Kathrotiya, Nilav A Patel, Ranjan G Patel, Manish P Patel	An efficient synthesis of 3'-quinolinyl substituted imidazole-5-one derivatives catalyzed by zeolite and their antimicrobial activity	Chin. Chem. Lett.	International	119 (4)	273-276	Jan 2012
Jigar A Makawana Ranjan G. Patel, Manish P Patel	Synthesis and in vitro antimicrobial activity of N-arylquinoline derivatives bearing 2-morpholinoquinoline moiety	Chin. Chem. Lett.	International	23	427-430	Mar 2012
Nirav K Shah, Nimesh M Shah, Manish P Patel, Ranjan G Patel	Design, synthesis and antimicrobial activity of new Biquinoline derivatives	J. Serbian Chem. Soc.	International	77(3)	259-277	Mar 2012
Chetan B Sangani Nimesh M Shah, Manish P Patel, Ranjan G Patel	Synthesis and in vitro antimicrobial screening of new pyrano[4,3-b]pyrane derivatives of 1H-pyrazole	Chin. Chem. Lett.	International	23	57-60	Jan 2012
Nirav K Shah Nimesh M Shah, Manish P Patel, Ranjan G Patel	Synthesis, characterization and antimicrobial activity of some new biquinoline derivatives containing a thiazole moiety	Chin. Chem. Lett.	International	23	454-457	Mar 2012
Ankit M Patel, Manish P Patel, Ranjan G Patel	Super Absorbent Hydrogel Based on Poly[acrylamide/maleic acid/2-methacryloxy ethyl trimethylammonium	J. of Macro. Science Part A: Pure and App. Chem.	International	46(5)	339-347	Apr 2011

	chloride]: Synthesis, Characterization and Application in the Removal of Chromene (IV) from aqueous solution					
Niraj K Ladani, Divyesh C Mungra, Manish P Patel, Ranjan G Patel	Microwave assisted synthesis of novel Hantzsch 1,4-dihydropyridines, acridine-1,8-diones and polyhydroquinolines bearing the tetrazolo[1,5-a]quinoline moiety and their antimicrobial activity assess	Chin. Chem. Lett.	International	22	1407-1410	Oct 2011
Jigar A Makawana Ranjan G Patel, Manish P Patel	Synthesis and in vitro antimicrobial activity of new 3-(2-morpholinoquinolin-3-yl) substituted acrylonitrile and propanenitrile derivatives	Chem. Papers	International	65(5)	700-706	May 2011
Divyesh C Mungra, Dhanji P Rajani, Manish P Patel, Ranjan G Patel	Synthesis and identification of β -aryloxyquinolines and their pyrano[3,2-c]chromene derivatives as a new class of antimicrobial and antituberculosis agents	Eur. J. Med. Chem.	International	46	4192-4200	Jun 2011
Pushpak M Shah, Manish P Patel	Zinc(II) chloride catalysed one pot synthesis of some new 4-thiazolidinone derivatives as biologically potent agent	Indian J. Chem. Sec. B	International	50	310-314	Jul 2011
Jigar A Makawana, Divyesh C Mungra, Ranjan G Patel, Manish P Patel	Microwave assisted synthesis and antimicrobial evaluation of new fused pyran derivatives bearing 2-morpholinoquinoline nucleus	Bioorg. Med. Chem. Lett.	International	21	6166-6169	Aug 2011

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr D B Choksi & R D Bhatt	Nonmigratory Process Allocation Mechanism for Load Balancing on Linux Clusters	International Journal of Computer Science & Systems	International	Vol. : 2 Issue : 2	117- 120	Jan 2012
Dr D B Choksi & N A Joshi	‘Forking A New Process With The Predetermined Pid Value During Process Migration’	International Journal of Computer Applications, Foundation of Computer Science, USA, NCICT(2):8- 11	International	No. 1, Article 3	8-11	Nov 2011
Dr D B Choksi & N A Joshi	‘Mechanism for Implementation of Load Balancing using Process Migration’	International Journal of Computer Applications, Foundation of Computer Science, New York, USA,	International	Vol.: 40 No. : 9		Feb 2012
Dr Paresh V Virparia Ms Jigisha Patel Mr Pritesh Patel	Acoustic and Phonetic Confusions in Accented Gujarati Speech Recognition	National Journal of Engineering, Science and Management	National	Vol. 1 Issue 1	11 - 12	Jul 2011
Dr Paresh V Virparia Mr Atul Patel Ms Ruchi Kansara	A Novel Architecture for Intrusion Detection in Mobile Adhoc Network	International Journal of Advanced Computer Science & Applications	International	Special Issue	67-71	Aug 2011
Dr Paresh V Virparia Ms Priya Swaminarayan Ms Nehal Daulatjada Dr V R Rathod	A Comparative study of XSD and RDFS using sample Ontology of students Internal marks submission	National Journal of Engineering, Science and Management	National	Vol. 1 Issue 2	8 - 12	Dec 2011
Dr Paresh V Virparia Ms Roohana Parabia Dr Sanjay Buch	Analysis of Cellular Network Events for Estimating Road Traffic Events: Technological Survey, Challenges and its Solutions	National Journal of Engineering, Science and Management	National	Vol. 1 Issue 2	16-21	Dec 2011

Dr P V Virparia Ms Amisha Shinghala	A Survey of Natural Language Interface applications	International Journal of Information and Computing Technology	International	Vol. 1 Issue – 2	1-4	May 2011
Dr P V Virparia M Kamlesh Vaishvan	Ontology Mapping : Need, Issues, and Challenges	International Journal of Information and Computing Technology	International	Vol. 1 Issue – 2	28-31	May 2011
Dr P V Virparia Mr Himanshu Patel	Bootstrapping of Phone models for a large Vocabulary Continuous Speech Recognition for Gujarati	PRAJNA – Journal of Pure and Applied Science	National	Vol. 19	37-40	Dec 2011
Dr P V Virparia Ms Amisha Shinghala Ms Rinku Chavda	Natural Language Interface for Student Information System (NLSIS)	PRAJNA – Journal of Pure and Applied Science	National	Vol. 19	41-44	Dec 2011
Dr P V Virparia Mr Krunal C Kamani Dr Dhaval R Kathiria	Proposed Bluetooth Protocol for Short Range Communication	International Journal of Information and Computing Technology	International	Vol. 2 Issue – 1	1-4	Nov 2011
Dr P V Virparia Ms Priya Swaminarayan Ms Nehal Daulatjada Dr V R Rathod	A Comparative study of Query Languages for Semantic Web and retrieval of data from University Ontology using SPARQL	International Journal of Information and Computing Technology	International	Vol. 2 Issue – 1	5-10	Nov 2011
Dr P V Virparia Mr Sohil D Pandya	Studying an impact of Past Performance in Academics using Data Mining Techniques	International Journal of Information and Computing Technology	International	Vol. 2 Issue – 1	---	Nov 2011
Dr P V Virparia Mr Dharmendra Bhatti	Analyzing Soft Computing based Intrusion Detection Systems	International Journal of Advanced Research in Computer Science	International	Vol. 2, No. 2	---	Apr 2011

Dr P V Virparia Mr Dharmendra Bhatti Dr Bankim Patel	Challenges in Genetic Algorithm based Intrusion Detection	National Journal of System and Information Technology	National	Vol. 4, Issue 1	109-116	Jul 2011
Dr P V Virparia Ms Roohana Parabia Dr Sanjay Buch	The Cellular Network - An Emerging Resource for City Planning	National Journal of System and Information Technology	National	Vol. 4, Issue 1	---	Jul 2011
Dr P V Virparia, Ms Maitri Patel, Mr Dharmendra Patel	Web based Fuzzy Expert System and Its Applications – a Survey	International Journal of Applied Information Systems	International	Vol. 1, No. 7	---	Mar 2011
Trivedi J A, Priti Srinivas Sajja	Improving efficiency of round robin scheduling using neuro fuzzy approach	International Journal of Research and Reviews in Computer Science	International	Vol.2, No.2,	pp.308-311	Apr 2011
Trivedi J A, Priti Srinivas Sajja	Online guidance for effective investment using type-2 fuzzy neuro advisory system	International Journal of Computer Science and Information Technologies	International	Vol.2, No.2	pp.799-803	Apr 2011
Dahiya V R, Priti Srinivas Sajja	Role of threshold value and CSF to simplify and render an image	International Journal of Computer Applications,	International	---	pp.44-49	Nov 2011
Dahiya V R, Priti Srinivas Sajja	An image processing system for finding vision defects	International Journal of Computational Intelligence Research	International	Vol.7, No.2,	pp.135-142	Jul 2011
Priti Srinivas Sajja	Feature-based opinion mining	International Journal of Data Mining and Emerging Technologies	International	Vol.1, No.1,	pp.8-13	May 2011
Dahiya VR and Priti Srinivas Sajja	Role of eye perception in analysis of vision defects	International Journal of Computer Engineering	International	Vol.3, No.2,	pp.83-87	Jun 2011
Mankad K B and Priti Srinivas Sajja	An intelligent decision support using genetic fuzzy integration for capability analysis	Journal of Global Research in Computer Science,	International	Vol.2, No.7,	pp.83-87	Jul 2011

Patel S V Thakkar T H and Priti Srinivas Sajja	A knowledge depiction in digital library by integrating multi-agent system for distributed database grid,	International Journal of Grid Computing and Multiagent Systems	International	Vol.2, No.1,	pp.23-31	Jun 2011
Gutta A S and Priti Srinivas Sajja	Intelligent farm expert multi agent system	International Journal on Computer Science and Engineering	International	Vol.4, No.2,	pp.166-175	Feb 2011
Dahiya V R, Trivedi JA and Priti Srinivas Sajja	Designing fuzzy rule base for vision defects	International Journal of Computer Technology & Applications	International	Vol.3, No.2,	pp.734-737	Mar 2012
Dahiya V R, Priti Srinivas Sajja	Perceptually oriented geometric primitives simplification for accelerating rendering	International Journal of Applied Science & Technology Research Excellence	International	Vol.2, No.1	pp.94-96	Jan-Feb 2012
Dahiya VR and Priti Srinivas Sajja	Vision defect identification system (VDIS) using knowledge base and image processing framework	International Journal of Research in Computer & Communication Technology	International	Vol.1, No.1	pp.5-10	Jan 2011
Trivedi J A, Priti Srinivas Sajja	Neuro fuzzy advisory system for banks with type-2 fuzzy approach	National Journal of System and Information Technology	National	Vol.4, No.1	pp.62-68	Jun 2011
Dr Dipti shah	Multilingual Multimedia Based Decision Support System for Dermatology using Image Analysis	International Journal of Advanced Engineering Research & Studies	International	Vol – I Issue - -2	31-33	Jan-Mar 2012
Mr Hardik Pandit & Dr Dipti Shah	Application of Digital Image Processing & Analysis in Healthcare Based on Medical Palmistry	International Journal of Computer Applications (IJCA)	International		56-59	Jul 2011
Mijal Mistry & Dr Dipti shah	Conveyance of Short Messaging Services through Application	International Journal of Information and Computing Technology	International	Vol – 2 Issue-1	14-16	Nov 2011

Mr Biraj patel & Dr Dipti shah	Meta Search Ranking Strategies	International Journal of Information and Computing Technology	International	Vol – 2 Issue-1	14-16	Nov 2011
Mijal Mistry & Dr Dipti shah	Procedural approach for developing Ontology in Health Care sphere using protégé	Journal of Engineering, Science & Management	International	Vol-1 No- 2	55-57	Dec 2011
Mijal Mistry & Dr Dipti shah	Usefulness of ontologies in HealthCare Environment	ADIT Journal of Engineering	International	Vol 8 No 1		Sept 2011
Mijal Mistry, Mr Pranav Pathak & dr Dipti Shah	Communication amongst Agents	Journal of Engineering, Science & Management,	International	Vol 1 No 1	13-16	Jul 2011
Dr D M Shah & Swapnil Patel	A Framework Based on Smart Technology for Educational e-IMS	International Journal of Information and Computing Technology	International	Vol – 1 Issue-2	36-39	May 2011
Mr Biraj Patel & Dr Dipti Shah	Adaptive and Search Engine Optimization	International Journal of Information and Computing Technology	International	Vol – 1 Issue-2	14-15	May 2011
Mijal Mistry & Dr Dipti Shah	Impact of Multi-Agents in Hospital Environment	International Journal of Computer Applications (IJCA)	International			Jul 2011
Mr Pranav Pathak & Dr Dipti Shah	A Path Finding Technique for Steer Behavior	International Journal of Information and Computing Technology	International	Vol – 1 Issue-2	5-7	May 2011
Mijal Mistry Mr swapnil Patel & Dr Dipti Shah	Mobile based Institute System with Assignment Module	International Journal of Advanced Engineering Research & Studies	International	Vol – I Issue - -2	319-320	Jan-Mar 2012
Mr Pranavkumar Pathak, Mijal Mistry, Dr Dipthi Shah	Factors of Path Finding for improving performance	International Journal of Advanced Engineering Research & Studies	International	Vol – I Issue - -2	325-326	Jan-Mar 2012

Mijal Mistry & Dr Dipti Shah & Pritesh Patel	An Ontological Representation in HealthCare Domain	International Journal of Advanced Engineering Technology	International	Vol III/ Issue I	331-333	Jan-Mar 2012
Mijal Mistry & Dr Dipti Shah	An algorithm for retrieving information using Web Services and jQuery in HealthCare domain	Journal of Science & Technology	International	Vol III, Issue 2,	17-21	Mar 2012
Ms J K Patel, Ms D M KaPatel, Ms S B Shah	Enhancing and Measuring students IQ and EQ levels using AI	International Journal of Information and Computing Technology (Research@IC T)	International	Vol.-1 Issue – 2	45-46	May 2011
Ms J K Patel, Dr S O Khanna, Mr Pritesh N Patel	A solution for preventing SQL Injection in web based application	International Journal of Information and Computing Technology (Research@IC T)	International	Vol.-1 Issue – 2	21-23	May 2011
Ms J K Patel, Mr Pritesh N Patel, Mr Mijal Mistry	WAY TO THE DESTINATION - Implementing Google API and KML To Find Path From Source To Destination	International Journal of Information and Computing Technology (Research@IC T)	International	Vol.-2 Issue – 1	40-42	Nov 2011
Krishna Patel and Hetalkumar J Panchal	MSAP: Multiple Sequence Alignment Processor with Block and Pattern Analyzer	Journal of Computational Intelligence in Bioinformatics	National	Vol. 4, No. 1	83-93	Dec 2011
Kirtan Dave, Lawrence Mckechnie and Hetal Panchal	Application of Nanobioinformatics in Medical Science – A Probable Therapy	Current Bioinformatics	National	Vol. 6, No. 2	163-172(10)	Jun 2011
Dave K, Gandhi M, Panchal H, Vaidya M	Revision of QSAR, docking, and molecular modeling studies of anti-influenza virus A (H1N1) drugs and targets: analysis of hemagglutinins 3D structure.	Current Computer Aided Drug Designing.	National	Vol. 7, No. 4	255-262	Dec 2011

Megha Vaidya, Dr Hetalkumar Panchal	A comparative analysis of Homology Modeling Servers for single chain and multi-chain protein structure prediction.	National Journal of Engineering Science and Management	National	Vol. 1, No. 2	35-38	Dec. 2011
Tanvi Patel, Megha Vaidya, Dr Hetalkumar Panchal	Modeling of Protein Patched (Ptch) structure and study of genes that are responsible of Mandibular Prognathism (Class III Malocclusion).	National Journal of Engineering Science and Management	National	Vol. 1, No. 2	90-95	Dec 2011

DEPARTMENT OF ELECTRONICS

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
R R Desai, D Lakshminarayana, Ramesh Sachdeva, P B Patel, C J Panchal, M S Desai and N Padha	Barrier inhomogeneities of Al/p-In ₂ Te ₃ thin film Schottky diodes.	Journal of Nano and Electronic Physics (Ukraine)	International	Vol.3 No.1	P.995-1004	Nov 2011
Kireet Joshi, Vibha Vaishnav	An Approach to the Pursuit of Supramental or Integral Knowledge (Encl 08)	Sri Aurobindo's Action	International	Vol.42, No.8	10-12	Aug 2011
Dr U B Trivedi	Simulation of CIGS thin film solar cells using AMPS-1D	J. Nano Electron. Phys	International	3 No.1	747-754	2011

DEPARTMENT OF MATERIALS SCIENCES

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
L M Manocha, Milan M Vyas, S Manocha and P M Raole	Microstructure and properties of three phase carbon and ceramic matrix composites	Key Engineering Materials	International	Vol. 484	1-8	2011
L M Manocha, Arpana Basak, S Manocha, Ankur Darji	Morphological Studies on CNT Reinforced SiC/SiOC Composites	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	41-47	2011

L M Manocha, Guddu Prasad, S Manocha	Effect of carbon fiber addition on ceramic reinforced phenolic resin based friction composites	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	49-57	2011
L M Manocha, Milan M Vyas, S Manocha and P M Raole	Effect of additional particulate reinforcement on the properties of fibrous ceramic matrix composites	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	35-40	2011
L M Manocha, Hasmukh Gajera, S Manocha	Studies on synthesis and reduction of graphene oxide from natural graphite by using chemical method	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	21-26	2011
S M Manocha, Ankur Darji, L M Manocha	Formation of Silicon carbide whiskers from Organic precursors via Sol-Gel method	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	27-33	2011
S Manocha, Parth Joshi, Bhavini Patel, L M Manocha	Synthesis and Characterization of Hydroxyapatite nanoparticles using Sol-Gel method	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	85-89	2011
S M Manocha, Valay Solanki, Nikesh Patel, L M Manocha	Studies on Fabrication & Characterization of Nanoclay reinforced Nylon-6 composites : Enhancement of Heat Distortion Temperature	Eurasian Chemico-technological Journal	International	Vol.13, No.1-2	67-72	2011
S Manocha, Parth Joshi, Amit Brahmabhatt, Amiya Banerjee, S Sahoo, L M Manocha	Development of activated carbon using one step carbonization and activation reaction by polymer blend method	Carbon letters	International	Vol. 12, No. 2	85-89	2011
S Manocha, Parth Joshi, L M Manocha	Preparation of Mesoporous Hydroxyapatite at different pH and their Comprehensive Characterization for Potential Application in Water Purification	Transaction of Indian ceramic society	International	Communicated		2012

Rasmika H Patel & Kaushal Patel	Synthesis and Characterization of Polyester urethane and their applications to flame retardant coatings	International Journal of Polymer Analysis and Characterization,	International	Vol. 17, No.1,	85-92	2012
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DEPARTMENT OF MATHEMATICS

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
H V Dedania and H J Kanani	A non-unital *-algebra has UC*NP if its unitization has UC*NP	Proceedings of the American Mathematical Society	International	Accepted		2011
A H Hasmani and V G Khambholja	Interior Black-hole Solution with Anisotropic Fluid	Jour. Dynamical Systems and Geom. Theories	International	Accepted		2011
Adnan K Al-Salihi, A H Hasmani and M G Timol	A New Family of Similarity Solutions of Three Dimensional MHD Boundary Layer Flows of Non-Newtonian Fluids using New Systematic Group-theoretic Approach	App. Math. Sciences,	International	Vol. 5	1325-1336	2011
Adnan K Al-Salihi, A H Hasmani and M G Timol	Using a Systematic Group Theoretic Method to Solve Flow of an Incompressible Second-Order Fluid past a Stretching Sheet	Math. Today,	National	Vol.27	6-17	2011
Adnan K Al-Salihi	Multiparameter Group Theoretic Method of Similarity Analysis	Int. Jour. Math. Res.	International	Vol. 3	387-401	2011
R D Mehta and H S Mehta	p – sets and (i) – p-sets for a Real Function Space	Int. Jour. Math. Anal	International	Accepted	---	2011
S J Bhatt and P A Dabhi	Arens regularity and Amenability for Lau Product of Banach Algebras.	Bull. Aus. Math. Soc.,	International	Accepted	---	2011
S J Bhatt	C*-algebras, uniform Banach algebras and a functional analytic meta-theorem	Math. Student	National	Vol. 80	31-66.	2011

R D Mehta and H B Modi	Non-regulaity Set in Direct Sum of Hilbert Spaces	---	---	---	---	---
S J Bhatt, P A Dabhi and H V Dedania	Multipliers of weighted Semigroups and Buerling Banach algebras	Proc. Math.Sci., Ind. Acad. Sci.,	International	121	417-434.	2011

DEPARTMENT OF PHYSICS

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
S H Pandya, H N Kothari and K N Joshipura	Calculations on electron impact ionization cross-sections for atomic-molecular targets: ionospheric applications	Advances in Geosciences - Planet. Sci.(2010-'11) World Scientific publishing company Singapore	International	25,	243	Nov 2011
Harshit N Kothari, KNJ & Siddharth N Pandya,	Electron impact ionization of plasma important SiCl_x ($x=1-4$) molecules: Theoretical cross sections,	J. Phys. B: At. Mol. Opt. Phys. UK 44 (2011) 125202 (7pp)	International	44	125202 (7pp)	2011
Foram A Shelat , KNJ, H N Kothari, K L Baluja	Electron scattering from LiH in a realistic dipole potential	Ind. J. Phys. 85 (2011) 1739	International	85	1739	2011
Minaxi Vinodkumar, Harshad Bhutadia, Chetan Limbachiya, & KNJ	Electron impact total ionization cross sections for H_2S , PH_3 , HCHO and HCOOH	Int. J. Mass Spectrom. 308 (2011) 35– 40	International	308	35-40	2011
M Vinodkumar, C G Limbachiya, K N Joshipura, and N J Mason	Electron impact calculations of total elastic cross sections over a wide energy range – 0.01 eV to 2 keV for CH_4 , SiH_4 and H_2O	Eur. Phys. J. D 61, 579–585 (2011)	International	D61	579-585	2011
Santoki Manisha P, Ratheesh S, Sharma R, Joshipura K N & Basu S	Assimilation of drifter data in a circulation model of the Indian Ocean	IEEE Geo-science & Remote Sensing Letters 9(1) 2012, 100	International	9	100	Jan 2012

U H Patel, R A Barot, B D Patel, D A Shah, R D Modh	Docking studies of pyrrole derivatives using Hex	International journal of Environmental science	International	Vol 2 & No 3	1765-1770	Feb 2012
M Vinodkumar, K Korot, P C Vinodkumar	Computation of the electron impact total ionization cross section of $C_nH(2n+1)OH$ molecules from the threshold to 2 keV energy range	Int.J. Mass Spectrometry	International	305	26-29	2011
Kaushal Thakkar, Bhavin patel, Ajay Majethiya and P C Vinodkumar	Properties of light flavor baryons in hypercentral quark model	Pramana J. Physics	International	77	1053-1067	2011
Arpit Parmare, Kaushal Thakkar, Bhavin Patel and P C Vinodkumar	Decay Widths of $B_c - > J/\Psi \pi^+$ in CPP model	PRAJNA Jnl. of Pure and Applied Sciences (ISSN 0975-2595)	National	19	60	2011
Kaushal Thakkar, Ajay Majethiya and P C Vinodkumar	p- wave Lamda Hyperon binding energies of medium heavy hyper nuclei	Proc.DAE-BRNS National Symposium on Nucl. Phys.	National	56	750	Dec 2011
Arpit Parmar, Bhavin Patel, and P C Vinodkumar	Annihilation of S-wave Charmonium state in to YYY , Ygg and ggg in CPP model.	Proc.DAE-BRNS National Symposium on Nucl. Phys	National	56	852	Dec 2011
Bhavin Patel, Arpit Parmar, Ajay Majethiya and P C Vinodkumar	Exclusive Charmonium +Y and bottonium +Y production in a potential scheme	Proc.DAE-BRNS National Symposium on Nucl. Phys	National	56	848	Dec 2011
Ajay Majethiya, Kaushal Thakkar and P C Vinodkumar	Semileptonic decay of $\Lambda_b \rightarrow XcLvl$ in quark – diquark model	Proc.DAE-BRNS National Symposium on Nucl. Phys	National	56	826	Dec 2011
Manan Shah, Arpit Parmar and P C Vinodkumar	S-wave properties of Bottonium using Martin like potential	Proc.DAE-BRNS National Symposium on Nucl. Phys	National	56	866	2011

Manan Shah, Arpit Parmar and P C Vinodkumar	S-wave Properties of Charmonium using Power law Potential.	XXVI Gujarat Science Congress (GSC), 26 Feb 2012.	State level	Abstract book	60	26/02/2012
C K Sumesh, K D Patel, V M Pathak and R Srivastav	Analysis of current - voltage - temperature characteristics of In and Cu contacts on n-type MoSe ₂ single crystals	Crystal Research and Technology,	International	Vol. 46, Issue 1	61-64	Jan 2011
C K Sumesh, K D Patel, G K Solanki, V M Pathak and R Srivastav	Low temperature Hall effect studies of InSb thin films grown by flash evaporation	Eur. Phys.J.Appl.P hys.	International	Vol.54	10303-10307	Apr 2011
C K Sumesh, K D Patel, V M Pathak and R Srivastav	Barrier height inhomogeneities in Cu-nMoSe ₂ Schottky diode	Eur. Phys.J.Appl.P hys.	International	Vol.56	10103-10109	Sep 2011
H S Patel, J R Rathod, K D Patel, V M Pathak and R Srivastav	MoSe ₂ / Polyaniline Solar Cells,	J. Nano-Electron. Phys.	International	Vol.3 No1	741	2011
C K Sumesh, K D Patel, V M Pathak and R Srivastav	Current transport in Copper Schottky contacts to a-plane/c-plane n-type MoSe ₂	Chin.Phys.Lett	International	Vol.28No.8	087201	2011
C K Sumesh, K D Patel, V M Pathak and R Srivastav	Metal-Semiconductor field effect transistors fabricated using DVT grown n-MoSe ₂ crystals with Cu-Schottky gates.	J. Nano-electron-phys.	International	Vol.3 No1	709	2011
M P Deshpande, S H Chaki, N H Patel, S V Bhatt, B H Soni	Study on nanoparticles of ZnSe synthesized by chemical method	J. Nano-Electron. Phys	International	3(1)	186-195	2011
Bindiya H Soni, M P Deshpande, Sandip V Bhatt, Sunil H Chaki and Haresh Kaheria	Study on antimicrobial activity of undoped and Mn doped ZnO nanoparticles synthesized by microwave irradiation.	Archives of Appl. Sci. Res	International	3(6)	173-179	2011

M P Deshpande, M N Parmar, Nilesh N Pandya, Sandip V Bhatt, S H Chaki	Bandgap determination of copper doped tungsten diselenide single crystals by optical absorption method.	American J. of Mater. Sci.	International	1(2)	149-150	2011
S H Chaki, M P Deshpande, Jiten P Tailor, Mahesh D Chaudhary, Pallavi N Sakariya	Electrical transport properties study of $Mo_{0.6}W_{0.4}Se_2$ single crystals	AIP Conf. Proceedings	National	1447	987-988	2012
M P Deshpande, S H Chaki, Jyoti G Patel, Sandip V Bhatt, Nitya Garg, Vasant Sathe	Study on CdS nanoparticles and nanocrystalline thin films synthesized by chemical bath deposition technique	Journal of Nanoscience, Nanoengineering and Applications.	International	1(3)	1-9	2011
M P Deshpande, M N Parmar, Nilesh N Pandya, Sunil Chaki, Sandip V Bhatt	Studies on transport properties of copper doped tungsten diselenide single crystals	Physica - B	International	407	808-812	2012
Sunil Chaki, M P Deshpande, Jiten P Tailor, M D Chaudhary, Kanchan Mahato	Gel growth and characterization of ADP single crystals	Amer. J. Conden. Matt. Phy.	International	2(1)	22-26	2012
Sunil H Chaki, M P Deshpande, Kanchan Mahato, M D Chaudhary, Jiten P Tailor	Synthesis and characterization of CuS nanowhiskers	Advan. Sci. Letts.	International	17	162-166	2012
P S Vyas, P N Gajjar, B Y Thakore & A R, Jani	Elastic properties of $gaxIN_{1-x}P$ semiconductor	Physica B	International	Vol.23		Dec 2011
A D Patel, S G Khambholja, N K Bhatt, B Y Thakore, A R Jani	Thermo electric properties of Zn O with mie gruneisen hypothesis	Journal of Nano electron physics	International	Vol.23		Dec 2011

K D Patel, G K Solanki, C J Panchal, K S Hingarajiya and J R Gandhi	Effect of Substrate Temperature on structural and morphological parameters of ZnTe thin films.	J. Nano- electron-phys.	International	Vol.3 No1	41-46	2011
B P Modi, K D Patel	Schottky contact of Gallium on p type Silicon.	J. Nano- electron-phys.	International	Vol.3 No1	684-690	2011
B P Modi, K D Patel	Schottky Barrier with liquid metal, 117-118	AIP Conf. Proc.	International	1393	117-118	2011
G K Solanki, K D Patel, Rahul B Patel, N N Gosai and Yunus Gafur Mansur	Electrical and illumination dependent PEC solar cell parameters for SnSe _{0.5} Te _{0.5} single crystals	International journal of Photonics	International	Vol.4No. 3	1-13	2012
C K Sumesh, K D Patel, G K Solanki, V M Pathak & R Srivastava	Low temperature Hall effect studies of InSb thin films grown by flash evaporation	European Physical journal Applied Physics ,	International	54	10303- p1 to 10303- p5	Apr 2011
K K Patel, M Patel, K D Patel, G K Solanki, V M Pathak & R Srivastava	Temperature dependent I-V characteristics of Ag/p-Sn _{0.2} Se _{0.8} thin film Schottky barrier diode	J.Nano Electron. Phys.	International	3 (1)	783-786	Apr 2011
G K Solanki, K D Patel, K S Hingarajiya & N N Gosai	Growth and dielectric studies of SnSe _{0.3} Te _{0.7} compound	International Journal of Manufacturing Science and Engineering	International	2 (2)	85-87	Jul- Dec 2011
G K Solanki, K D Patel, Rahul B Patel, N N Gosai and Yunus Gafur Mansur	Electrical and Illumination Dependant PEC Solar Cell Parameters for SnSe _{0.5} Te _{0.5} Single Crystals. International	Journal of Photonics	International	4 (1)	1-13	2012
G K Solanki, K D Patel, N N Gosai & Ruchita R Patel	Thermal parameters of direct vapour transport (DVT) technique grown GeSePb ₀₂ single crystals	International J. Advances in Thermal sciences and Engineering	International	3 (1)	19-27	Jan- Jun 2012
G K Solanki, Y A Patel & M K Agarwal	High pressure studies of as grown WX _{2-x} single crystals	Institute of Physics (IOP) Conference Series	International	377	012017	2012

G K Solanki, K D Patel, N N Gosai & Ruchita R Patel	Growth and thermal properties of geSePb _{0.4} single crystals	American Institute of Physics (AIP) Conference Proceedings	International	1447	1063- 1064	2012
Sunil Chaki, A J Patel, Manish K Bhayani and A R Jani	Growth, electrical transport properties and microtopographic studies of Mo _{0.3} W _{0.7} Se ₂ single crystal.	Materials Research Innovation	International	16(2)	96-101	Apr 2011
Sandip V Bhatt, M P Deshpande, S H Chaki, Nikita H Patel, Nilesh Pandya and Bindiya H Soni	Chemical synthesis and characterization of lead sulphide (PbS) nanoparticles.	AIP Conference Proceeding	International	1349	281-282	Jul 2011
Sunil Chaki, M P Deshpande, Jiten P Tailor, Mahesh D Chaudhary and Kanchan Mahato	Growth and characterization of ADP single crystal.	American Journal of Condensed Matter Physics	International	2(1)	22- 26	Mar 2012

(B) ECONOMICS SCIENCES

No. of Research Papers Published by the Teachers of Economic Sciences of Postgraduate Departments in International/National/State Level Journals in 2010-11

No.	Departments	International	National	State
1.	Business Studies	03	11	05
2.	MBA	03	12	01
3.	Economics	-	04	01
Total		06	27	07

DEPARTMENT OF BUSINESS STUDIES

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr S K Bhatt	Disclosure of Corporate Governance-Building Investor Protection: Case Studies on INFOSYS Technologies Ltd & RELIANCE Industries.	‘Manthan’ Not just Effective but Efficient: A New Blueprint for Management in 21 st Century. Edited By: Dr.S.H.Gawhane Dr. Omprakash Haldar	Himalaya Publishing House Pvt Ltd. Mumbai-400 004	ISBN: 978-93-5024-769-3,2011	---	---
Dr S K Bhatt	Role of Corporate Governance in Financial Institutions with reference to Accounting Standards	Indian Service Sector: Present Scenario and Future Perspective. Edited By: Dr.Atul Bansal Dr. Parimal Vyas	Manglam Publication, West Ghonda - Delhi-110053	ISBN:978-93-81142-15-8, 2011	---	---
Dr S K Bhatt	Awareness and Perceptions of Customers about Mobile Banking	The Indian Journal of Commerce.	Indian Commerce Association, New-Delhi-110002.	ISSN-0019-512X,2011	---	---
Dr S K Bhatt	Cost Benefit Analysis of Retail Banking Innovation	Indian Service Sector: Present Scenario and Future Perspective. Edited By: Dr.Atul Bansal Dr. Parimal Vyas	Manglam Publication, West Ghonda,- Delhi-110053	ISBN:978-93-81142-15-8 - 2011	---	---
Dr S K Bhatt	Indian’s Trade Relationship with Canada	Global Competitiveness in the 21 st Century. Edited By: P.H.Vyas.	Manglam Publication, Delhi First Edition -2011	ISBN-978-93-81142-33-2.	---	---

Dr D S Mistry	Determinants of Profitability of Indian Cement Industry	Asia Pacific Journal of Research in Business Management- E-Journal (ISSN 2229-4104)	International	2 and 3	138-150	Mar-Jun 2011
Dr D S Mistry	Performance Appraisal of An Indian Passenger Vehicles Industry	HSB Research Review (ISSN 0976-1179)	National	1 and 1	97-107	Jan-Jun 2011
Dr D S Mistry	Determinants of profitability of Indian Commercial Banks	RVIM Journal of Management Research (ISSN 0974-6722)	National	3 and 1	18-31	Jan-Jun 2011
Dr D S Mistry	Dividend Payment Decision – An Empirical Analysis of Indian Two Wheeler Industry	Anvesha (ISSN 0974-5467)	National	4 and 1	62-69	Jan-Jun 2011
Dr D S Mistry	Factors Affecting Dividend Decision of Indian Cement Industry	Management Insight (ISSN 0973-936X)	National	VII and 1	22-30	Jun 2011
Dr D S Mistry	Role of Components of EVA in Profit Prediction: Evidence from Indian Two Wheelers Industry	The Indian Journal of Commerce (ISSN: 0019-512X)	National	64 and 3	42-47	Jul-Sep 2011
Dr D S Mistry	Performance Appraisal of An Indian Two Wheeler Industry	GITAM Journal of Management (ISSN: 0972-740X)	National	9 and 4	65-83	Oct-Dec 2011
Dr D S Mistry	Advantage Gujarat in Spiritual Tourism	Journal of Production Research & Management (ISSN: 2249-4766)	National	Special Issue	1-9	Dec 2011
Dr D S Mistry	Dividend Payment Decision – An Empirical Analysis of Indian Passenger Vehicle Industry	JIMS 8M The Journal of Indian Management & Strategy (ISSN 0973-9343)	National	17 and 1	40-47	Jan-Mar 2012

Dr Yagnesh Dalvadi, Shraddha Raj and Dharmendra K Gohil,)	CEO Remuneration In India: Identifying Relationship Between Pay and Performance (Fifth Vol., National Level Research Journal)	GIT-Journal of Engineering and Technology, 2012	National	(ISSN 2249 – 6157)	Online	May 2011
Dr Yagnesh Dalvadi Mr Jaimin Trivedi	A study of Relationship Between Imports, Supply & Consumption of Gold and Future Price of Gold: With Special Reference to Multy Commodity Exchange (MCX)	SHARE Journal of Multidisciplin ary Research and Studies	International (ISSN 0976-4712)	Vol 1 No-2	Page:51 -56	Apr 2011
Dr Yagnesh Dalvadi Anuj Bhatia	Corporate Governance Philosophy and Non-Mandatory Disclosures: A Study of Top 10 Companies in India	Special issue of Journal of Production Research & Management (Consortium E-Learning Network Private Ltd.) STM Journal.	National (ISSN: 2249 – 4766)	Special Issue	24-33	Dec 2011
Dr Yagnesh Dalvadi Sunil S Trivedi	Electricity Exchange In India: A Study of Indian Energy Exchange	International Journal of Research In Commerce, Economics & Management, A Monthly Double-Blind Peer Reviewed Refereed Open Access International e-Journal - Included in the International Serial Directories,	International (ISSN: ISSN 2231-4245)	Vol. No. 1 (2011), Issue No. 5	Page: 45-50	Sep 2011
Dr Yagnesh Dalvadi Mr Jaimin Trivedi	A study of Relationship Between Imports, Supply & Consumption of Gold and Future Price of Gold: With Special Reference to Multy Commodity Exchange (MCX)	SHARE Journal of Multidisciplin ary Research and Studies published by Share Study Hub	National(ISSN 0976-4712)	Vol 1 No-2.	Page:51 -56	Apr-Jun 2011

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr H J Jani & Kerav Pandya	Customer Satisfaction among Two-Wheeler Users An Indian experience- with special reference to motorcycle users	SIES Journal of Management	National	Vol. 7, Issue 2	pp-74- 87	Apr 2011
Dr H J Jani and Ms Jayanti Ravi	A Critical Study of NPTEL	T4E 2011 Conference Proceedings	International		pp-35- 42	Jul 2011
Dr R P Patel and Ms Praneti Shah	Preference of Cconsumers towards Hypermarkets with the Special focus on Big Bazar in Ahmedabad City	BVIMR Management Edge (ISSN: 0976-0431)	National	Vol. 4, No. 2,	pp- 1-9	Jul- Dec 2011
Dr R P Patel Mr Prashan Amin Bijal Zaveri Amin	SMS Marketing : The Role of Permission and Acceptance	International Journal of Mobile Marketing (IJMM- An online Journal)	International	Vol.6 No.2	pp- 5- 15	Winter 2011
Dr R P Patel Rachna Gandhi	Gender Differences and Children Pestering: an Empirical Study in the State of Gujarat	Synergy (ISSN: 0973- 922x)	National	Vol. 13, No. 1,	pp- 1-9.	Jan-Jun 2011
Dr R P Patel, Dr Ritesh Patel	A Study on factors affecting Customer Loyalty and Its Impact on Customer Satisfaction in retail Banking	Synergy (ISSN: 0973- 922x)	National	Vol. 13, No. 1,	pp- 1-9.	Jan-Jun 2011
Dr R P Patel Bhavesh Parmar and Kaushal Kishore	Petro-retailing on Shoulders of Celebrities: A study on Effectiveness of Celebrity endorsements in promoting petroleum Products in India	Energy and Infrastructure	National	Conferen ce volume ISBN:97 8-93- 81361- 70-2)	pp-477- 483	Jan-12
Dr Yogesh Joshi	An Empirical Study of Corporate Resturcturing and Share Price Performance in India, Co- author (First)	International Journal of Financial Management, India Publishing Group	International	Vol. 1 Issue3, 2229568 2	33-48	Jul 2011

	A Study of GATS Provisions, Higher Education and Understanding among University Teachers, Co- author (First),	in BVIMR Management Edge, Bharati Vidyapeeth, New Delhi,	National	Vol. 5 No. 1, 0976043 1	9-19	Jan-Jun 2012
	Commodity Market: An Empirical analysis with respect to Equity Market and Inflation, Co- author (First),	Research Journal SIBAR, Sinhgad Institute of Business Administration and Research, Pune	National	Vol – III, Issuer -1, 0975996 4	32-43	Jan 2012
Dr Darshana Dave Chaitanya Vyas	Problem of customer information overload and Interactive Mktg. as its solution	Synergy	National	Vol. 13, No.1	10 to 16	Jan-Jun 2011
Sujatha K Dr Darshana Dave	User's Perception of Quality of health care in Rural Areas of Anand & Kheda District.	Synergy	National	Vol. 13, No.1	64 to 69	Jan-Jun 2011
Bindiya and Dr P K Priyan	Development of Vencher Capital in Gujarat. Problems and prospects.	e-srujan journal of innovative thinqure(ISS N 2231-4539)	National	Vol.1 (2) Aug. 2011	93-106	Aug 2011
Jigna Trivedi and Dr P K Priyan	Emerging opportunities and challenges of venture capital furience	Journal of humanities Social science and management	National	Vol.11(2) Jul-Dec 2011	58-70	Jul-Dec 2011
Jigna Trivedi and Dr P K Priyan	Eco-Buddy cowding pots-gadget to save environment and self employment	Journal of humanities Social science and management	National	Vol.11(1) Jan-Jun 2011	43-48	Jan-Jun 2011
Dr Raju M Rathod and Mr Sarfaraj Mansuri	Activity Based Learning : A Case Study of Woman Entrepreneurship Workshop – Femipower	Prajna - Journal of Humanities, Social Science and Business Administration,	Regional (Published by Sardar Patel University)	Vol.13	117-127	Dec 2011
Dr A C Mehta	Corporate Governance in Textile Industry: a Case study of Textile Industry of Western India	Indian Journal of Accounting	National	Vol.X 21(2) Jun 2011 ISSN 0972-1479	67-72	Jun 2011

DEPARTMENT OF ECONOMICS

Author(s)	Title	Journal	International/National/Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr H P Trivedi Dr N M Patel	Jal Strotma Suraksha Samena Ketalak Padkaro	Prajna Journal of Humanities, Social Sciences and Business Administration	National	Vol no 13	103-110	Dec 2011
Dr D G Ganvit	Reforms Incidence of Employment in India	Indian journals of Research Paripex	National	Vol.No.-1 Issue No.3	37-38	Mar 2012
Dr Sonal Bhatt	User Charges for Drinking Water: Some Principles and Practices,	Vishleshah, The Quarterly Journal of Research and Readings in Economics, Surat, India	National	Vol.:36, No.2	12-23	Apr-Jun 2011
Dr Sonal Bhatt	Impact of Agricultural Extension on Farmers': A Study of Krishi Mahotsav in Dehemi village of Central Gujarat	Agricultural Situation in India, Publications Division, Directorate of Economics and Statistics, Department of Agriculture and Cooperation, Ministry of Agriculture, Government of India	National	Vol. LXVII, No.13	699-712	Mar 2011
Shri M R Patel	Corporate Social Responsibility-An Indian Perspective	Abhivyakti - sanvednani	local	Vol.No.-4	53-64	Mar-Apr 2012

(C) SOCIAL SCIENCES

No. of Research Papers Published by the Teachers of Social Sciences of Postgraduate Departments in International/National/State Level Journals in 2011-12

No.	Departments	International	National	State
1.	Education	---	02	---
2.	Library and Information Science	---	---	03
3.	Social Work	03	02	---

4.	Political Science	---	---	01
5.	Psychology	---	06	---
6.	Sociology	05	04	01
	Total	08	14	05

DEPARTMENT OF EDUCATION

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr Pallavi P Patel	Raising Emotional Intelligence: Some Considerations and Suggestions	Lokmanya Shikshak - A Journal of Education	National	Issue-37	---	2011
Dr K S Likhia	Metacognitive Skills and Achievement Through Cooperative Learning Approach	Journal of Education and Psychology	National	Vol.67 No.2-3-4	---	2011

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Prof U A Thaker	Parab Suchi: Annual Bibliography	PARAB	Regional	---	---	Dec 2011
	Lekhak No Samaj Sathe No Nato	Lekhak Ane Lekhan	Regional	Vol. 49	---	Jan 2012
Dr N D Oza	Seamless Scholarly Communication for the Universities of Gujarat: Centralized Institutional Repository	ADINET Book of Papers	Regional	---	---	Aug 2011

DEPARTMENT OF SOCIAL WORK (MSW)

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr Shivani Mishra	Understanding Organizational Culture, Productivity, Managerial Leadership and organizational Effectiveness in Manufacturing Unit of Gujarat,	Asian Journal of Management Research,	International	Vol: 2, No. 1, 2011		Jun-Dec 2011
Dr Shivani Mishra	Basic Skills to counseling	Journal of School Social Work	National	Vol VII Issue 2		May 2011
Dr Shivani Mishra	Analysis of Leadership Style of	International Journal of	International	Vol: 3 No: 3-4		Jul-Dec 2011

	Corporate leaders in Executing Organizational Culture: An Empirical study undertaken in Manufacturing Firm in Gujarat	Social Work and Management				
Bigi Thomas	Microfinance: Social Work Perspectives	Southasiadisasters.net	International	Issue 83		Mar 2012
Bigi Thomas	RET with parents and adolescents: issues and concerns	Journal of school social work	National	ISSN 0976-3759 Vol. VII issue 12		May 2012

DEPARTMENT OF POLITICAL SCIENCE

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr Baldev Agja	Viral Vibhuti Vallabhainu Vyaktivva: Netrutva Shailina Sandarbhma	PRAJNA	Local	Vol. 13 Annual	111	Dec 2011

DEPARTMENT OF PSYCHOLOGY

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P	Month & Year
Dr P S Suvera	A Comparative Study of Psychological Adjustment Among Graduate and Post Graduate Students	Indian Journal of Applied Research	National	I & 4	---	Jan 2012
	Psychological Well-Being: A Comparative Study of Institutional and Non-Institutional Aged	Asian Journal Research In Social Science & Huminities	National	II & 2	---	Feb 2012
	Psychological Well-Being : A Study Any Nan-Institution Nalized Aged	Indian Journal of Applied Research,	National	Vol-1, Issue-6,	---	Mar 2012
	Psychological Well-Being A Study of Institutionalized Aged	Indian Journal of Applied Research	National	Vol-1 Issue-6	---	Mar 2012
	Psychological Well-Being A Study of Institutionalized and Non Institutionalized Aged	Asian Journal of Research In Social Science & Humanities	National	Vol-2, Issue-III	---	Mar 2012

	Psychological Well-Being: A Comparative Study of LIC and Bank Employee	Indian Journal of Psychology and Mental Health,	National	Vol-Issue- II	---	Mar 2012
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DEPARTMENT OF SOCIOLOGY

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr J M Trivedi	'Privatization of Higher Education and Dalit Youth'	Journal of Education and Psychology	National	67 No-01	43- 47	Jun 2011
	Sociology of Indian Diaspora	Samajkaran	Regional	01	07- 15	Jan 2012
	Trends in Migration and Urban Studies in Gujarat State	Prajna	National	13	55- 59	Dec 2011
Dr H N Patel	Gyan Partvenu Samajshastriy Drashtibindu	Prajna	National	13	60- 68	Dec 2011
Dr R H Makawana	Poor Education for Poor: Can Vouchers be the Answer in Gujarat, India	Journal of Alternative Perspectives in the Social Science	International	Vol-3 Issue-3		Dec 2011
	Impact of Television in Political Awareness of Rural Masses	International Journal of Social Science & Humanities Review	International	Vol-II No-III	60- 67	Aug 2011
	Role and Challenges in Distance Education in India	International Journal of Education & Social Sciences	International	Vol-III No-1	65- 72	Oct- Nov 2011
	Emerging Youth Leadership in Panchayat of Gujarat, India	International Journal of Social Science & Humanities Review	International	Vol- No- 4	95- 102	Oct 2011
	Cyber Crime: Impact on Society and Juvenile	Review Journal: A Peer Reviewed International Journal of Social Science	International	Vol.: xxxvi	197 - 212	Jun 2011
Dr I M Macwan	Contribution of NRI's in Regional Development- A Sociological Aspect	Indian Diaspora: National & Regional Context	National	---	---	Feb 2012

(D) LANGUAGES**No. of Research Papers Published by the Teachers of Languages in International/National/ State Level Journals in 2011-12**

No.	Departments	International	National	State
1.	Hindi	01	07	03
2.	Gujarati	-	-	06
3.	Sanskrit	-	01	-
	Total	01	08	09

DEPARTMENT OF ENGLISH

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month
Dr R K Mandalia	Self Denial in George Herbert's Poetry	Prajñā	Local	13	26-29	Dec 2011
Mr M R Solanki	A K Ramanujan: The Postcolonial Poetic Self as the Site of Cultural Fissions	Prajñā	Local	13	35-44	Dec 2011
Mr P B Raval	Reflections on Translation and the Future Taste of Translator	Prajñā	Local	13	45-54	Dec 2011

DEPARTMENT OF HINDI

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr D S Tripathi	Agyey Ki Kanta	Shabdlok	International	Ank-1 Issn-2231	9-15	Jan 2011
	Shamsher Ki Kavita Ki Karyshala	Saxatkar	National	Ank-382	18-27	Oct 2011
		Yuddhrat Aam Adami	National	Ank-111	61-67	Oct 2011
	Samaj Sahitya Aur Cinema	Yugshilpi	National	Ank-08 Issn-0975	77-84	Dec 2011
	Santpt Atmkatha	Pragna (13)	National	Ank-13 Issn-2250	01-14	Dec 2011
	Interwew On Dalit Sahitya	Apexa	National	Ank-38	48-55	Jan-Mar 2011
Dr M M Sharma	Meghani Kavya...	Sahitya Aur Itihas (Book)	National	---	---	2011
	Shiksha Ki....	Sheel Srutam	Regional	---	---	Jul 2011
	Soor Aur Rahim..	Veena, Indor	Regional	---	---	Sep 2011
	Sheel Srutam	Sheel Srutam	Regional	---	---	Dec 2011

Dr K V Bhokri	Asian Theater Evam....	Pragna	National	---	---	2012
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DEPARTMENT OF GUJARATI

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr P R Pathak	Jaymall Parmar Jyot Se Jyot Jala	Bhatigal Saurashtra	Regional	Aug 2011	77- 84	Aug 2011
	19mi Sadi Ni Gujarati Loksahitya Samsodhan Sampadan Pravrutti	Lok Gurjari	Regional	Vol.23	88- 123	Aug 2011
	Gujarati Lok Katha Etihās Lakshi Mulyankan	Aadhit	Regional	Vol.24	90- 114	Jan 2012
Dr B R Brahmhatt	Creative Essay	Jalaram Deep	Regional	---	---	Jan- Oct-12
Mrs S D Rathva	Electric Train	Aadhit	Regional	---	---	2012
Mr R V Chaudhari	Aathamta Ajvala	Tadarthaya	Regional	Vol.16	37- 42	Mar 2012

DEPARTMENT OF SANSKRIT

Author(s)	Title	Journal	International/ National/ Regional/Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr N P Patel	Shri Shankaracharya Na Mate Bhakti	PRAJNA	National	13	21- 25	Dec 2011

(2) PUBLICATION OF BOOKS

(I) PUBLICATION OF BOOKS/CHAPTERS BY THE POSTGRADUATE DEPARTMENTS

(A) BASIC SCIENCES

Publication of Books by the Teachers of the Basic Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of Books
1.	Biosciences	01
2.	Computer Science and Technology	01
3.	Mathematics	02
4.	Physics	02
	Total	06

DEPARTMENT OF BIOSCIENCES

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
S M Khasim, T V Ramana Rao, G Ramesh and S Hemalatha	Chapter: Structure and development of fruit and seed of <i>Jatropha gossypifolia</i> L. In <i>Jatropha</i> challenges for a New Energy Crop	Springer Science, New York	2012

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr Priti Srinivas Sajja	Personalized Content Representation through Hybridization of Mobile Agent and Interface Agent in Susmit Bagchi (Ed.), <i>Ubiquitous Multimedia and Mobile Agents: Models and Implementations</i> , Chapter 4, pp.85-112, IGI Global Book Publishing, Hershey, PA, USA	IGI Global Book Publishing, Hershey, PA, USA	Aug 2011

DEPARTMENT OF MATHEMATICS

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
A H Hasmani (Co-author)	Mathematics (Std. 11) Sem-I	Gujarat State School Textbook Board, Gandhinagar	2011
	Mathematics (Std. 11) Sem-II	Gujarat State School Textbook Board, Gandhinagar	2012

DEPARTMENT OF PHYSICS

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr N K Bhatt	Thermodynamic Properties of Some Metals at High Temperatures: Mean-Field Theory and Thermodynamics	LAP LAMBERT Academic Publishing ISBN-10: 3846518476 ISBN-13: 978-3846518472	Nov 2011
	XII Standard Text Book (Sem: III and IV)	Gujarat Higher Secondary Board	---

(B) ECONOMICS SCIENCES**Publication of Books by the Teachers of the Economics Sciences of Postgraduate Departments in 2011-12**

No	Departments	No. of Books
1.	Business Studies	02
2.	Business Administration	07
	Total	09

DEPARTMENT OF BUSINESS STUDIES

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr S K Bhatt	Securities Markets and Monetary Policy	Oxford Book Company, Jaipur-2011. ISBN: 978-93-5030-011-4.	First Edition - 2011
	Service Management and Marketing	Oxford Book Company, Jaipur-2011. ISBN: 978-93-5030-012-1	First Edition - 2011

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr Darshana R Dave	Marketing of Pharmaceutical Products in India-Problems and Prospects	Lambert Academic Publishing, Germany	2011
Chaitanya Vyas Dr Darshana Dave	Permission Marketing	Lambert Academic Publishing, Germany	2012
Dr P K Priyan Dr Darshana Dave	Incubation Centres and Development of techno entrepreneurship	Lambert Academic Publishing, Germany	2012
Dr P K Priyan	A Study of Role of Venture Capital in Development of SMEs in Gujarat	Lambert Academic Publishing, Germany (ISBN 978-3-8484-3105-2)	Mar 2012
Dr P K Priyan Dr Darshana Dave	Incubation Centres Development of Techno-entrepreneurship	ISBN 978-3-8484-3439-8 Lambert Academic Publishing, Germany	Mar 2012
Dr Raju M Rathod and Dr Amit P Jain	Retail at Crossroads: Strategies for Success	EXCEL BOOKS, New Delhi ISBN 978-81-7446-926-7	2011
Dr Ashish Mehta	Corporate Governance Practices in Indian Textile Industry	Verlag: VDM Verlag Dr Muller Gmbh & Co Kg Dureiler Landstr, 99.66123 saarbrucken, Germany ISBN: 978-3-639-33312-1	Apr 2011

(C) SOCIAL SCIENCES

Publication of Books by the Teachers of Social Sciences of Postgraduate Departments in 2011-12

No.	Departments	No. of Books
1.	Education	02
2.	Political Science	01
3.	Sociology	07
	Total	10

DEPARTMENT OF EDUCATION

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
M K Yagnik	Poojya Mota-Message learning (tentative) (Booklet)	Sardar Patel University	Under Preparation

	Life Skill Education	Self-endeavour	Under Preparation
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DEPARTMENT OF POLITICAL SCIENCE

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr Baldev Agja	Gujaratma Rajyasashtra: Vikas Ane Sansodhan	Parshva Publication, Ahmedabad	2011

DEPARTMENT OF SOCIOLOGY

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr J M Trivedi	Indian Diaspora in National and Regional Context	Sardar Patel University Press	08/02/2012
Dr R H Makwana	Political Participation of Schedule caste Women in Panchayat	ABD Publisher, Jaipur	2011
	Dr Babasaheb Ambedkar: Life and Work	Parshva Publication, Ahmedabad	2011
	Dr Ambedkar and Women Empowerment	Parshva Publication, Ahmedabad	2011
	Social Change in Tribal Community	Sardar Patel University Press	2011
	Women Empowerment through PanchayatiRaj	Rajasthan	2012
Dr I M Macwan	Kinnaro: A Sociological Analysis	Brick Publication	Under Press

(D) LANGUAGES

Publication of Books by the Teachers of Languages of Postgraduate Departments in 2011-12

No.	Departments	No. of Books
1.	English	01
2.	Hindi	02
3.	Sanskrit	01
	Total	04

DEPARTMENT OF ENGLISH

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Mr P B Raval	Translation Studies: Contemporary Perspective on Postcolonial and Subaltern Translations	Viva Books, New Delhi ISBN: 978-81-309-2052-8	Mar 2012

DEPARTMENT OF HINDI

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr D S Tripathi	Naye Yatharth Ke Kavi : Nagarjun (Own Book)	Jay Bharti Prakashan	2012 ISBN-978-81-89924-74-4
	Article in Hindi Kathasahitya Mein Dalit Vimarsh, Aitihāsik Pariprexya Mein Dalitsahitya	Classical Publishing Company, New Delhi	2011 ISBN-978-81-7054-558-3

DEPARTMENT OF SANSKRIT

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr N P Patel	Nayaya Vaishvik Darshan	Parshav Prakashan, A'bad	2011

(3) PUBLICATION UNIT OF THE UNIVERSITY

For the journals and books published by the publication unit of the university, refer to Chapter-IV

3.3 RESEARCH COLLABORATIONS IN PROGRESS

A very important aspect of our research effort is a strong collaborative research programme. The faculties have succeeded in developing collaborative research with academics in India and abroad resulting in the publication of joint research papers, operating collaborative research projects, joint organization of various academic programmes, faculty visits and so on. This is through e-mail facility followed by faculty visits.

INTERNATIONAL/NATIONAL COLLABORATION

Our international collaborators during last five years include scientists and academics from institutes like Clemson University (South Carolina, USA) CNRS (Mullhouse, France), Tokyo Institute of Technology (Japan), University of Erlanger-Nurmburg (Germany), University of Stuttgart, (Germany), University of Borden (France), Penn State University, (USA), Chungnam National University, (South Korea), University of London (UK), Open University of Milton Keynes (UK), University of Leeds (UK), University of Leipzig (Germany), University of Athens (Greece), Fukuoka University (Japan) and Fukuoka Institute of Technology (Japan). Our national collaborators during last five years are academics from Institutes like DRDL, (Hyderabad), DMRL (Hyderabad), BARC (Bombay), IPR (Gandhinagar), IGCAR (Kalpakkam), PRL (Ahmedabad), Mangalore University, South Gujarat University, The MS University of Baroda, Gujarat University, NDDB, IUCAA (Pune), GAU (Anand), SICI (New Delhi), the British Council (Mumbai), the USEFI (Mumbai) etc.

INTERDEPARTMENTAL COLLABORATION

There is also interdepartmental collaborative research among Departments in Humanities and Social Sciences as well as among some Departments in Sciences. These include research amongst (a) Departments of Chemistry and Biosciences, (b) Departments of Materials Science and Chemistry, (c) Departments of Biosciences and Mathematics, (d) Departments of Mathematics and Chemistry, (e) Departments of Languages, (f) Departments of Computer Science and Technology and Biosciences, (g) Department of Economics and Agro-Economic Research Centre, (h) Departments of Home Science and Biosciences, (i) Departments of Materials Science and Biosciences and (j) Departments of Physics and Materials Science. The Department of Materials Science has also developed collaborations with GCET College, BVM Engineering College, SVNIT, Surat and LD Engineering College. of course, all Departments converge in the activities of the Community Science Centre.

Accepting a concrete outcome like publication of papers, research projects, patents, organization of an academic programme as criteria for research collaboration, the following table describes the research collaborations in progress during the present year:

The following Table offers a bird's eye view of the research collaborations in progress in the year under review:

COLLABORATIVE RESEARCH WORK / ACTIVITIES CONDUCTED IN 2011-12

No	Name of the Department	Collaborative Research Work/Activities
1.	Material Sciences	Joint Research in Progress. (National):- 1. National Fusion programme of IPR, Gandhinagar 2. DST-RFBR programme
		Joint Supervision of Students Thesis / Dissertations:- 1. Sh Chetan N Sheth , Electrical Engg, GCET under joint supervision of Prof L M Manocha and Dr A B Parikh BVM Engg. College. 2. J C Choudhary , ASL, Hyderabad under joint supervision of Prof L M Manocha and DRDO, Hyderabad 3. Rayjada Pratipalsinh Andubha , IPR Gandhinagar under joint supervision of Prof L M Manocha and Dr P M Raole, Scientist , IPR
		Joint Research Projects:- 1. National Fusion programme of IPR, Gandhinagar 2. DST-RFBR , joint Research Project between Prof L M Manocha , India and Russian Academy of Sciences, Chernoglovoka, Russia
		MoU:- MoU has been signed with MoU for Scientific International Collaborations with 1. Shinshu University, Japan; 2. Argon National laboratory, Chicago, USA; 3. Seoul National University of Science and Technology; Korea. The Department has several International collaborative projects under DST programs as well as of International organization. The Department has signed MoU for Scientific Collaborations with (i) Prof M Endo, Shinshu University, Nagano, Japan (ii) Dr Dilip Singh, Argon National laboratory, Chicago, USA (iii) Prof Ryu Seoul National University of Science and Technology, South Korea and these collaboration have been approved by UGC, New Delhi.
		Any other:- Educational Institutions 1. Mechanical Engineering Department, GCET Engineering College, VV Nagar 2. Chemical Engineering Department, GCET Engineering College, 3. MS University, Baroda, 4. DDU, Nadiad
		National Organizations:- 1. IPR, Gandhinagar 2. DMSDRE, Kanpu
		Collaboration with industries:- 1. Schutz Electrocarbons, 2. Suzlon Energy Ltd., Baroda, 3. Kemrock Industry and Exprt Ltd., Halol, Baroda, 4. Environ Care Products, Noida, 5. Bhukanwala ceramics, Navsari
2.	Mathematics	Joint Research in Progress :- 1 Prof M G Timaol, VN South Gujarat University (AHH)
		Joint organization of Academic Programmes:- Prof S J Bhatt is working in the department as a NBHM Visiting Fellow during Aug 2010 to Aug 2012.
3.	Physics	Joint Research in Progress:- DAE-BRNS : ISRO, SAC, NGU, GU, NSGU, PRL
		Joint Supervision of Students Thesis / Dissertations:- PhD Thesis with Maths Department
		Mutual Visit :- BARC, PRL, Gujarat University
		Joint Research Projects:- DAE BRNS (Two Projects)
4.	Gujarati	Mutual Visit:- Student exchange programme with Bhavnagar University

3.4 ACADEMIC PROGRAMMES ORGANIZED AND PARTICIPATED

(1) ACADEMIC DEVELOPMENT PROGRAMMES (SEMINARS, WORKSHOPS, CONFERENCES) ORGANIZED BY UNIVERSITY POSTGRADUATE DEPARTMENTS

DEPARTMENT OF CHEMISTRY

Theme	Sponsors	Date	Place
National Workshop on Frontiers in Chemistry, National Level	UGC	02–04 Feb 2012	Vallabh Vidyanagar

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Theme	Sponsors	Date	Place
Workshop on .NET Technology Trainer : Mr Nauzad Kapadia, Mumbai	Computer Society of India (CSI), VVNagar Chapter	21–22 Oct 2011	Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar
Sakshat – A Workshop on Education through ICT	Microsoft India Pvt. Ltd.	25/05/2011 to 04/06/2011	Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar
State Level Programming Contest	Computer Society of India (CSI), VV Nagar Chapter	04/02/2012	Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar
State Level IT Quiz Competition	Computer Society of India (CSI), VVNagar Chapter	04/02/2012	Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar
TCS Day-2012 as a part of placement activities	Department of Computer Science and TCS	08/02/2012	Department of Computer Science, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF HOME SCIENCE

Theme	Sponsors	Date	Place
National Seminar: Functional Foods : Managing Health in the Modern Age	UGC, (1) Unassigned Grant (2) SAP – DRS-I	07–08 Oct 2011	Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF MATERIALS SCIENCES

Theme	Sponsors	Date	Place
One Day Workshop on Carbon Nanomaterials for Industrial applications	Indian Carbon Society (Gujarat Chapter) and Department of Materials Science	26/08/2011	Sardar Patel University, Vallabh Vidyanagar
Indo-French Workshop on High Performance	CEFIPRA, Department of	30/11/2011 to 02/12/2011	Bangalore

Composites for Aeronautics & Space Applications & Extreme Environments	Materials Science, SPU, India and Laboratoire MATEIS, INSA de Lyon, France		
Sardar Patel University Research Scholars Meet	Department of Materials Science	08–09 Jan 2012	Sardar Patel University, Vallabh Vidyanagar
One Day Brainstorming meeting for Development of Technology Systems on Ceramic Technologies	DST, New Delhi, Department of Materials Science	24/02/2012	Department of Materials Science, Sardar Patel University, Vallabh Vidyanagar
One day workshop on Advanced Ceramics for Industrial and Biomedical Applications	DST, New Delhi, Department of Materials Science	25/02/2012	Department of Materials Science, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF MATHEMATICS

Theme	Sponsors	Date	Place
Workshop on Problem Solving	UGC-SAP-DRS(II)	20–26 Dec 2011	Department of Mathematics, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF PHYSICS

Theme	Sponsors	Date	Place
3 rd National Conference on Condensed Matter and Materials Physics 2012	UGC, DST(PURSE), DAEBRNS, GUJCOST	03–05 Mar 2012	Department of Physics, Sardar Patel University, Vallabh Vidyanagar
One Day Seminar on Semiconductor Devices and Nano Materials	Physics Alumni Association, Automation systems and engineers pvt ltd for Agilent Technologies USA	07/07/2011	Department of Physics, Sardar Patel University, Vallabh Vidyanagar
One day seminar on Nuclear Technologies for raising standard of living	Daebrns, C C Patel Community Science Center, Physics Alumni Association	11/09/2011	Department of Physics, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF BUSINESS STUDIES

Theme	Sponsors	Date	Place
Corporate Disclosure and Investors' Perception	UGC-SAP	31/01/2012	Vallabh Vidyanagar

DEPARTMENT OF ECONOMICS

Theme	Sponsors	Date	Place
Small Scale Industries in Gujarat	UGC, New Delhi	12–13 Mar 2012	Department of Economics, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF HISTORY

Theme	Sponsors	Date	Place
Rise & Growth of Economic Nationalism in Gujarat	UGC, New Delhi	24/02/2012	Department of History, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Theme	Sponsors	Date	Place
Social Responsibility of Library & Information Science Professional	Alumni & Department of Library & Information Science	20/11/2011	Vallabh Vidyanagar

DEPARTMENT OF SOCIAL WORK (MSW)

Theme	Sponsors	Date	Place
Higher Competency in Advanced Social Work Research Methodology	UGC Sponsored National Level Short Term Training Programme	17–23 Nov 2011	Department of Social Work, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF POLITICAL SCIENCE

Theme	Sponsors	Date	Place
Indian Parliamentary System and Democracy	UGC	23–24 Feb 2012	Department of Political Science, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF ENGLISH

Theme	Sponsors	Date	Place
The Third Three-day UGC SAP-DRS National Seminar on Literary Representation of Social Change in the Novels and Plays in Gujarati, Hindi and Indian English Literatures between 1993 and 2002	UGC, New Delhi under SAP-DRS (Phase-II)	24–24 Feb 2012	Department of English, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF GUJARATI

Theme	Sponsors	Date	Place
Pramod Kumar Patel: Seminar	Sahitya Akadami (State)	24/02/2012	Vallabh Vidyanagar
Research Methodology	UGC (State)	02–03 Mar 2012	Vallabh Vidyanagar
Creativity Workshop	University Other Activities Grant	13/01/2012	Uttersanda

(2) ACADEMIC PROGRAMMES PARTICIPATED/LECTURERS DELIVERED IN ACADEMIC PROGRAMMES/PAPERS PRESENTED:

A. FACILITATION OF PG TEACHERS' PARTICIPATION IN ACADEMIC PROGRAMMES BY UNIVERSITY POSTGRADUATE DEPARTMENTS

The University has, as a matter of a healthy practice, been encouraging its faculty to undertake research by granting them Duty Leave, Study Leave etc, besides sending them on deputation, making financial support available to them for participation in Conferences, Seminars Workshops, Summer and Winter Schools. Besides the unassigned UGC grants, the university has made provision to finance research activities from its Self-financed and Golden Jubilee Endowment Funds. This enables the faculty to participate very enthusiastically in academic activities, besides giving invited talks.

(I) LECTURES DELIVERED BY THE TEACHERS OF THE DEPARTMENTS IN 2011-12

No.	Department	International	National	State	Local
1.	Biosciences	01	01	08	11
2.	Chemistry	02	-	05	-
3.	Computer Science and Technology	-	02	02	51
4.	Materials Science	-	01	07	05
5.	Mathematics	-	-	-	17
6.	Physics	-	-	03	01
7.	Statistics	-	-	02	03
8.	Business Studies	-	-	-	10
9.	MBA	-	-	01	09
10.	Economics	-	-	02	05
11.	Education	-	-	11	08
12.	History	-	-	04	03
13.	Library and Information Science	-	-	01	05
14.	Social Work (MSW)	-	-	-	01
15.	Political Science	-	-	02	01
16.	Sociology	-	-	02	08
17.	Hindi	-	-	-	06
18.	Gujarati	-	-	05	07
19.	Sanskrit	-	-	03	-
20.	English	01	08	08	10

DEPARTMENT OF BIOSCIENCES

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Prof Datta Madamwar	Bacterial community structure analysis following molecular approach to assess ecological impact of pollution	01–02 Jul 2011	Barktullah University, Bhopal, India	International Conference on ‘Microorganisms in Environmental Management and Biotechnology’
	Biocatalyst engineering for improving catalytic performance of <i>Candida rugosa</i> lipase in organic solvents	26–30 Aug 2011	Beijing, China	2011 TWAS-ROESEAP Symposium on ‘Industrial Biotechnology’
	Molecular analysis of bacterial community structure to assess ecological impact of pollution following culture dependednt, cultute indenpenden and whole genome sequencing approach	21/02/2012	Department of Microbiology and Biotechnology Centre, The MS University of Baroda, Vadodara, India	One day Seminar on ‘Recent trends in Microbial Technology’
Dr K S Rao	Use of TEM and SEM for detection of plant pathogens and in nanotechnology	18/11/2011	Anand Agriculture University, Anand	ICAR sponsored winter school on Diagnostics, Genomics, implications and integrated management of plant pathogens
R B Subramanian	Marker Assisted Selection in plants	Feb 2012	A N Patel Institute of Science, Anand Department of	---
	Biosensors	Mar 2012	Biosciences, Ganpat University, Mehsana	---
T V Ramana Rao	Recent developments in the Postharvest Technology of Fruits and vegetables, and (ii) Grafting Technique as an aid in improving the quality of watermelon	02/11/2011	St. Theresa Autonomous College for Women, Eluru, Andhra Pradesh	Pre and Postharvest techniques
	Eco-friendly edible coatings in improvement of quality and shelf life of fruits	28–29 Oct 2011	Department of Environmental Sciences, Acharya Nagarjuna University, Nagarjunanagar	National Seminar on Environment and Sustainable Development,

	Role of Edible coatings in extension of shelf life and quality of fruits and vegetables during,	27–28 Oct 2011	Acharya Nagarjuna University, Andhra Pradesh	Andhra Pradesh Akademi of Sciences Young Scientists Convention
	Value Addition for fruits and vegetables through the application of edible coatings	13–15 Oct 2011	Department of Botany, Gujarat University, Ahmedabad	National Symposium on Evolving Paradigm to Improve Productivity from Dynamic Management and Value Addition for Plant Genetic Resources
Dr U B Trivedi	Protein Engineering	18/10/2012	A N Patel Institute Anand	---
	Protein Engineering	01/11/2012	Department of Biochemistry, Gujarat University, Amdavad	---
	Competitive Exams: Can I?	29/10/2012	N V Patel College of pure and applied asicences, Vallabh Vidyanagar	---
	NET: Can I ?	04/10/2012	D N Institute of PG studies Anand	---
Dr Kiran Kalia	Environmental Problems	20/04/2011	Academic College	7 th orientation Programme
	Research Method in Natural Sciences	10/02/2012	Academic College	4 th Short Term Course in Research Methodology
	Review of Previous Literature	21/03/2012	Academic College	2 nd Interaction Programme for PhD Scholars
	Biodiversity	25/05/2012	Academic College	13 th Orientation Programme
	Biodiversity (2)	25/05/2012	Academic College	13 th Orientation Programme
	Review of Previous Literature	16/10/2012	Academic College	3 rd Interaction Programme for PhD Scholars
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Dr A S Reedy	Biodiversity for human welfare	23/09/2011	Arts, Science & Commerce College, Petlad	---
	Herbarium Voucher specimens: Relevance in Pharmaceutical Research	Dec 2011	DD University, Nadiad	---

DEPARTMENT OF CHEMISTRY

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr H S Patel	Application Biomedical Polymers	06/09/2012 to 08/09/2012	Sangamner Nagarpalika Arts, Science & Commerce College, Sangamner (Maharashtra)	Chief Guest and deliver a lecture
	Spectroscopy	23/08/2012	VP & RPTP Science college, Vallabh Vidyanagar	Guest lecture
Dr D I Brahmhatt	Lecture on oxygen containing heterocycles	06/10/2011	Department of Pharmaceutical Chemistry, University of Szeged, Hungary	Indo-Hungarian Educational exchange Programme 2011-12
	Lecture on oxygen containing heterocycles	11/10/2011	Department of Organic Chemistry, University of Debrecen, Debrecen, Hungary	Indo-Hungarian Educational exchange Programme 2011-12
	Lectures on NMR Spectroscopy	16-18 Feb 2012	Department of Chemistry, Hemchandracharya North Gujarat University, Patan	Invited Lectures
Dr M N Patel	Quantum Chemistry	30/08/2011	Shri Jayendrapuri arts and Science College, Bharuch	---
Dr S S Soni	Statistical Thermodynamics	21/10/2011	KSKV Kuchchh University, Bhuj	Visiting Professor
	Solid state chemistry and Defects	12/03/2012	KSKV Kuchchh University, Bhuj	Visiting Professor

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr D B Choksi	Cyber crime	10/09/2011	M B Patel Science College, Anand	Lecture Series
	Computer Networks	11/11/2011	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Refresher Course in Recent Theories in Literary Criticism
	Data Communication	12/11/2011	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Refresher Course in Agricultural Sciences

	Computer Networks	15/11/2011	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Refresher Course in Economics
	Computer Networks	16/11/2011	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Refresher Course in ICT Applications
	Computer Networks	22/11/2011	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Orientation Programme
	Digital Signatures and Information Security	20/01/2012	NVPatel College of Pure and Applied Sciences (NVPAS)	State Level IT Competitions – Techno Astrum 2011-12
	Use of Computers in Research Activity	09/02/2012	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Short Term Course in Research Methodology
	Role of ICT in Research	23/03/2012	UGC Academic Staff College, SP University, VVNagar	UGC Sponsored Interaction Programme for PhD Scholars
	Distributed Computing	29/03/2012	UGC Academic Staff College, Saurashtra University, Rajkot	UGC Sponsored Refresher Course in Computer Science
Dr P V Virparia	Introduction to Knowledge Management using ICT	16/01/2012	A workshop on Knowledge Management system and Web Designing for Agricultural Extension Anand Agricultural University, Anand	---
	Lectures on Soft skills	Feb–Mar 2011	Department of MSW, Sardar Patel University, VVNagar	---
	Lectures on Soft skills	Feb–Mar 2011	Anand Institute of social Work, Anand	---
	Spreadsheet Package-MS-EXCEL	14/04/2011 15/04/2011	Academic staff college, Sardar Patel University, VVNagar	6 th Orientation course
	Spreadsheet Package-MS-EXCEL	13/05/2011 15/05/2011	Academic staff college, Sardar Patel University, VVNagar	7 th Orientation course
	Spreadsheet Package-MS-EXCEL	11/05/2011 13/05/2011	Academic staff college, Sardar Patel University, VVNagar	8 th Orientation course
	Spreadsheet Package-MS-EXCEL	15/06/2011 16/06/2011	Academic staff college, Sardar Patel University, VVNagar	9 th Orientation course
	Spreadsheet Package-MS-EXCEL	16/06/2011 17/06/2011	Academic staff college, Sardar Patel University, VVNagar	10 th Orientation course
	Spreadsheet Package-MS-EXCEL	15/11/2011 16/11/2011	Academic staff college, Sardar Patel University, VVNagar	12 th Orientation course

	Web Designing	02/11/2011 04/11/2011	Academic staff college, Sardar Patel University, VVNagar	2 nd Refresher Course on ICT
	Data Warehousing & its Applications	04/11/2011	Academic staff college, Sardar Patel University, VVNagar	2 nd Refresher Course on ICT
	Spreadsheet (MS-EXCEL)	09/11/2011	Academic staff college, Sardar Patel University, VVNagar	1st Refresher course in Agriculture
	Spreadsheet (MS-EXCEL)	12/11/2011	Academic staff college, Sardar Patel University, VVNagar	1st Refresher course in Economics
Dr P S Sajja	Role of ICT in laboratory management	07/01/2012	Shri RK Parikh Arts and Science College, Petlad	State Level Seminar on Role of Laboratory Technicians in CBCS
	Artificial Intelligence	23/01/2012	S K Patel Collge, Tirupati Trust, Bakrol	
	Multiagent system for knowledge grid	06/02/2012	International Seminar on Intelligent Web Technologies, Coimbatore	International, key note speaker
	Knowledge Based Systems	07/02/2012	Sri Ramakrishna Engineering College, Coimbatore	National Seminar
	Knowledge Based Systems	05/03/2012	ISTAR, CVM	local
	Use of multimedia in teaching learning process		Shri RK Parikh Arts and Science College, Petlad	Workshop cum Training Programme on Knowledge Management Programme,
	Powerpoint lecture 1 Powerpoint lecture 2	12/04/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 1 Powerpoint lecture 2	10/05/2011 10/05/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 1 Powerpoint lecture 2	11/05/2011 11/05/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 1 Powerpoint lecture 2	10/06/2011 10/06/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 1 Powerpoint lecture 2	11/06/2011 11/06/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 1	08/11/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 2	09/11/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course

	Powerpoint lecture 1 Powerpoint lecture 2	09/11/2011 09/11/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Powerpoint lecture 1 Powerpoint lecture 2	10/11/2011 10/11/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Knowledge Based Systems 1 Knowledge Based Systems 2	14/11/2011 14/11/2011	Academic staff college, Sardar Patel University, VVNagar	Refresher Course on ICT
	Powerpoint lecture 1 Powerpoint lecture 2	15/11/2011 15/11/2011	Academic staff college, Sardar Patel University, VVNagar	Orientation course
	Soft Computing 1 Soft Computing 2	16/11/2011 16/11/2011	Academic staff college, Sardar Patel University, VVNagar	Refresher Course on ICT
Dr D M Shah	Computer Graphics	Aug 2011	Academic staff college, V VNagar	Refresher Course on ICT
	Image Processing and Multimedia	Aug 2011	Academic staff college, V VNagar	Refresher Course on ICT
Mr B B Patel	MS-ACCESS2007	Apr 2011	Academic staff college, Sardar Patel University, VVNagar	7 th Orientation Programme 04/04/2011 to 01/05/2011
	MS-ACCESS2007	May 2011	Academic staff college	8 th Orientation Programme 02/05/2011 to 29/05/2011
	MS-ACCESS2007	May 2011	Academic staff college	9 th Orientation Programme 02/05/2011 to 29/05/2011
	MS-ACCESS2007	Jun 2011	Academic staff college	10 th Orientation Programme 30/05/2011 to 26/06/2011
	MS-ACCESS2007	Jun 2011	Academic staff college	11 th Orientation Programme 30/05/2011 to 26/06/2011
	MS-ACCESS2007	Nov 2011	Academic staff college, Sardar Patel University, VVNagar	12 th Orientation Programme 31/10/2011 to 27/11/2011
	MS-ACCESS 2007	17/11/2011	Academic staff college, Sardar Patel University, VVNagar	1 st Refresher Course in Economis (ID) 31/10/2011 to 20/11/2011
	DBMS	May 2011	Academic staff college, Sardar Patel University, VVNagar	1 st Refresher Course in Commerce & Mgt. (ID) 23/05/2011 to 12/06/2011

	MS-ACCESS 2007	15/11/2011	Academic staff college, Sardar Patel University, VVNagar	1 st Refresher Course in Recent Theories in Literary Criticism (ID) 31/10/2011 to 20/11/2011
	MS-ACCESS 2007	16/11/2011	Academic staff college, Sardar Patel University, VVNagar	1 st Refresher Course in Recent Theories in Literary Criticism (ID) 31/10/2011 to 20/11/2011
	DBMS (2 Sessions)	18/11/2011	Academic staff college, Sardar Patel University, VVNagar	2 nd Refresher Course in ICT Applications (MD) 31/10/2011 to 20/11/2011
	Multimedia Tools	01/11/2011	Academic staff college, Sardar Patel University, VVNagar	2 nd Refresher Course in ICT Applications (MD) 31/10/2011 to 20/11/2011
	MS-ACCESS 2007	11/11/2011	Academic staff college, Sardar Patel University, VVNagar	1 st Refresher Course in Agricultural Sciences (MD) 31/10/2011 to 20/11/2011
	Dynamic HTML	30/08/2011	G H Patel PG Department of Computer Science & Technology	Honorary session for students of Daxina Murli High-School (12 th Standard)
	Software Industry	Jan 2012	Anand	Anand Commerce College
Mr J V Smart	Linux Operating System	Nov 2011	UGC Academic Staff College, S P University, VVNagar	UGC Sponsored Refresher Course in ICT Applications
Dr H J Panchal	Bioinformatic tools for Phylogenetic Analysis	18–19 Jan 2012	Bioinformatics Center (Sub-DIC), Department of Biotechnology, Barkatullah University, Bhopal – 462026 (MP) India	Government of India, Ministry of Science & Technology, Department of Biotechnology

DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Prof L M Manocha	Nanomaterials and Construction Industries- Monoliths to Composites	29/09/2012 to 01/10/2011	CEPT University Nodal Institute, BVM Engineering College, Vallabh Vidyanagar	Nanoscience to Nanotechnology in Construction Practice

	High Performance Composites with Nanostructured Reinforcements	30/11/2012	Bangalore	Indo-French Workshop
	Carbon & Composites as Structural materials for Energy Storage	19/12/2011	Agra	International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries
	Nanotechnology R & D at Department of Materials Science	Feb 2012	Bangalore	CII meeting
	Carbon Nanomaterials as reinforcements for nanomaterials	02/02/2012	Gujarat University, Ahmedabad	Gujarat Science Academy
	Research Methodology and Characterization of Materials	10/02/2012	Academic Staff College, SPU	Academy Staff College
Prof (Mrs) S Manocha	Porous Carbon for General Purpose to High End Applications	13–15 Feb 2012	Thappar University	21 st AGM MRSI
Prof L M Manocha	Types of research	20/03/2012	Academic Staff College, SPU	Academy Staff College
Prof (Mrs) S Manocha	Research Funding in Physical Sciences and Preparation of Research Project Proposals	24/05/2011	Gandhinagar	Knowledge Consortium of Gujarat
	Nanoporous Carbons	26/08/2011	SPU, Vallabh Vidyanagar	One day Workshop on Carbon Nanomaterials for Industrial applications
	Nanoscience and Nanomaterials: Introduction	25/05/2011	Academic Staff Colony, Vallabh Vidyanagar	Academy Staff College
	Training Program of Nanotechnology in Construction	29/09/2012 01/10/2011	CEPT University Nodal Institute, BVM Engineering College, Vallabh Vidyanagar	Nanoscience to Nanotechnology in Construction Practice
	High Performance Composites with Nanoclay and Nano carbons as Reinforcements	16–17 Nov 2011	SSPL-DRDO	National Workshop on Nanotechnology for Defense Application
	Carbon-Ceramic Foams for high end application	30/11/2011 To 02/12/2011	Bangalore	IFCPAR Bilateral Instruments of Co-operation in Science & Technology

	Carbon–Ceramic Foams	19/12/2011	Agra	International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries
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DEPARTMENT OF MATHEMATICS

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
P A Dabhi	MikTex (4 L)		Academic Staff College, Sardar Patel University	Orientation Programme
	LaTeX (2 L)	12–14 Mar 2012	Sardar Patel University	National Workshop on Research Methodology
A H Hasmani	LaTeX (2 L)	12–14 Mar 2012	Sardar Patel University	National Workshop on Research Methodology
	Mathematica (4 L)	Nov 2011	Academic Staff College, Sardar Patel University	Refresher Course in ICT
S J Bhatt	(1) Enhancing Quality in Higher Education (2) Some remarkable ideas in science		Academic Staff College, Sardar Patel University	Orientation Programmes
D J Karia	LaTeX (2 L)		Academic Staff College, Sardar Patel University	Refresher Course
	AISHE Survey	Sep 2011	IQAC, Sardar Patel University	
	AISHE Survey	13/03/2012	IQAC, Sardar Patel University	
	AISHE Survey	17/03/2012	IQAC, Sardar Patel University	
	Computation of API	02/09/2011	IQAC, Sardar Patel University	
	Problems in Topology and Analysis	20–26 Dec 2011	Department of Mathematics, Sardar Patel University	Workshop on Problem Solving
H S Mehta	Problems in Differential Equations	20–26 Dec 2011	Department of Mathematics, Sardar Patel University	Workshop on Problem Solving
J M Patel	Conducted Problem Sessions	20–26 Dec 2011	Department of Mathematics, Sardar Patel University	Workshop on Problem Solving

H V Dedania	Conducted Problem Sessions	20–26 Dec 2011	Department of Mathematics, Sardar Patel University	Workshop on Problem Solving
A B Patel	Orientation to Orientation Programme	5 Lectures	Academic Staff College, Sardar Patel University	Orientation Programmes
S J Ghevariya	Conducted Problem Sessions	20–26 Dec 2011	Department of Mathematics, Sardar Patel University	Workshop on Problem Solving
R D Mehta	Invited talk	09–11 Jan 2012	MBPICT, New Vidyanagar	National Seminar Advances in Mathematics: Historical Deve. & Engg. Appl.,

DEPARTMENT OF PHYSICS

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
P C Vinodkumar	Heavy Flavour Hadron Spectroscopy: Challenges and Future Prospects	Invited Talk on 3 rd Nov	BARC, Mumbai	DAE-BRNS Workshop on Hadron Physics-2011, 31/11/2011 to 04/11/2011
	Physics- Study of Nature and Symmetry its Beauty	23/02/2012	Anandalay School, Anand	National Science Day celebration, Feb 2012
	Gauge Principle and Basic Interactions of Nature	01/04/2011	Department of Applied Physics, Indian Institutes of Mines, Dhanbad, Jharkhand	Invited Lecture during my visit to attend the BOCS meeting during 31/03/2011 to 03/04 2011
N K Bhatt	A lecturer entitled Applications of Pseudopotentials in Condensed Matter Physics at Theoretical Physics Division, BARC	17–18 Oct 2011	Theoretical Physics Division, BARC, mumbai	---

DEPARTMENT OF STATISTICS

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
A Shanubhogue	Quantitative techniques	First & Second Semester	MBA Department SP University	Guest faculty
	Certificate Course SPSS	Four Batches in the academic	Department of Statistics	Guest Faculty

	Statistics	Master of Valuation First Semester	ISTAR	Guest Faculty
P A Patel	Probability Proportional to size sampling	06-09-11 to 07-09-11	Veer Narmad South Gujarat University, Suart	Exchange of Teachers UGC Merged Scheme
Jyoti Divecha	Response Surface Methodology for Application to Scientific Processes	24–26 Feb 2012	Saurashtra University Rajkot	Invited talk at the 14 th Annual Conference of Society of Statistics, Computer and Applications

DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr S K Bhatt	Carrier Planning in Commerce	01/08/2011	DNPG Institute, Anand	
	FDP for Lecturers	15/03/2012	Sardar Patel College of Administration and Management, Bakrol	
Dr C K Sonara	Research Methodology	10/10/2011	AIBS	Guest Lecture
	Management Control System	26/09/2011	V Z Patel Commerce College	Guest Lecture
	Research Methodology	03/08/2012	Mahamandles hwar Shri Krishnanandji College of Commerce, Bharuch	Guest Lecture
Dr P R Sheth	Entrepreneurship & Ethical Dimension	03/07/2010	Kasturba Kanya Vidyalaya Anand	Karmayogi Talim Shibir Education Ministry Gujarat, Gandhinagar
Dr D S Mistry	Valuation of Financial Assets	28/09/2011	I V Patel College of Commerce, Nadiad	---
	Decision Making	23/12/2011	SPEC	---
Dr Y M Dalvadi	Sources of International Long Term Finance	10/10/2011	CP Patel and F H Shah Commerce College, Anand	---

	New Dimensions in Accounting	26/09/2011	I V Patel College of Commerce, Nadiad	---
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DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr Yogesh Joshi	BASEL-II Norms and Indian Banking	11/11/2011	UGC Academic Staff College, Vallabh Vidyanagar	Refresher Course - UGC
	Growth in Banking Sector	11/11/2011	UGC Academic Staff College, Vallabh Vidyanagar	Refresher Course - UGC
	How Central Banks Intervene in Exchange Rate Management	24/05/2011	UGC Academic Staff College, Vallabh Vidyanagar	Refresher Course - UGC
	Indian Banking System	24/05/2011	UGC Academic Staff College, Vallabh Vidyanagar	Refresher Course - UGC
	Urbanisation and Modernisation	29/04/2011	UGC Academic Staff College, Vallabh Vidyanagar	Orientation Course - UGC
Dr Raju M Rathod	Basic overview of UGC NET and How to Prepare for UGC NET/SET	22/02/2012	Smt N C Gandhi and B V Gandhi Mahila College, SNDT Bombay affiliated Commerce and Arts College, Bhavnagar	Workshop Exclusively on UGC NET/SET Preparation for MA and MCom students and Teachers
	Know Your Audience Qualities and Types of Speeches and Know Body Language of your Audience, Debate Techniques used in Public Speaking	24-25 Feb 2012	Zone VIII, JCI India 24-25 Feb 2012	Training in Public Speaking
	Structural and Compositional Change in SSIs in Gujarat	12-13 Mar 2012	PG Department of Economics, Sardar Patel University VVN	National Level Conference on SSIs in Gujarat, organized by

	Co – Chairman An Empirical Study on Rural Consumers’ Perception towards Trade fair as a Marketing Tool and	18/02/2012	G H Patel PG Department of Business Management, Sardar Patel University	UGC sponsored two day National level seminar on Understanding the Indian Rural Consumers
Mr K S Prasad	COMPETITIVE STRATEGY and Viva- Voce, Jury Member	29–30, Nov 2011 01/12/2011	Anand Institute of Management, Anand	Guest Faculty
	Entrepreneurship Development	Aug 2011 to Oct 2011	Home Science Department, Sardar Patel University	Guest Faculty

DEPARTMENT OF ECONOMIC

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr H P Trivedi	Thoughts of Mohammad Yunus on Micro Finance	07/07/2011	Smt N M Shah Mahila Arts College, Kadi	---
	Emerging Issue in Economics	25/08/2011	Shri V Z Patel Commerce College, Anand	---
Dr N M Patel	WTO	29/12/2011	Nalini and Arvind Arts College Vallabh Vidyanagar	---
	Women Empowerment in India	24/02/2012	S M Patel College of Home Science, VV Nagar	Women’s Cell, Sardar Patel University V V Nagar
	Women Empowerment	21/02/2012	Way Made college of Education, V V Nagar	Women’s Cell Sardar Patel University VV Nagar
Dr Sonal Bhatt	Economics of Health for students of Masters in Public Health	2–4 Dec 2011	Asian Institute of Public Health, Bhubaneshwar	Guest Lectures
	Special Economic Zones to the students of TYBBA,	Jan 9 2012	BJVM Commerce College, Vallabh Vidyanagar	As part of the Management Lecture Series, 2011-12

DEPARTMENT OF EDUCATION

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr Pallavi P Patel	Statistical Tests in Education	20/01/2012 & 21/01/2012	Fairpur (Maharashtra)	Jointly organized by women's college of Education, Fairpur & NMU, Jalgaon
	Methods of data collection	08/02/2012	Vallabh Vidyannagar	Academic Staff College(UGC)
	Research proposal writing	27/02/2012 to 29/02/2012		UGC unassigned grant
	Achievement motivaton	13/03/2012	Vallabh Vidyannagar	BISAG
	Models of Teacheing	14/03/2012		BISAG
	Diagnostic Test	21/03/2012	Gandhinagar Gandhingar Gandhingar	BISAG
Dr M K Yagnik	Micro Teaching	18/11/2011	Academic Staff college, SPU,VVN	Orientation Course
	How to make learning Easy	26/11/2012	All India Radio	School Education Programme
	Use of Hindi for National Integeration	26/11/2011	All India Radio	Hindi work shop for All India Radio Employees at Baroda
	Teachig and learning process: Innovative practices	30/12/2011	M B Patel College of Education	GCERT Seminar for School teachers under CTE
	Human Relations	04/01/2012	Ipcowala College of Education Petlad	V H Patel Memorial lecture series
	Literary sources and value education	20/01/2012	Somnath sanskrit university	GKC Seminar (National level)
	Message of Bhagvadgita	02/02/2012	Somanath Santrampur Organized State level seminar (Guj. San. Academy) Borsad	Adivasi Arts and commerce College Santrampur
	Career Path and guidance: Teaching profession	03/02/2012	UGC seminar	RP Anada College Education Borsad
	Learning for Excellence	24/02/2012	S D Patel Fulbai vidyalaya Pamol (Annual Day of the School)	S D Patel Fulbai Vidyalaya Pamol Ta Borsad

Dr A B Kagathala	Qualitative research		Ahmedabad	Lecture Exchange program at Education Department
	Chapter index in PhD Thesis	1–2 Sep 2012	Patan	PhD Associate of Gujarat State & UGC at Patan KCG organized
	Major Research Project proposal preparing workshop	11/07/2012	Dahoi	KCG organized
	Minor Research project proposal preparation workshop	28–29 Aug 2012	Surendranagar	KCG organized
	Lecture deliver at M D Patel College of Education Bhuj	08/01/2012	Bhuj	---
	Lecture deliver at MEd Department of Education Kuchha University	09/01/2012	Bhuj	Teacher exchange programme
Dr K S Likhia	Innovative practices in Teaching, Learning and Evaluation	01/04/2011		Educational Seminar on Towards Excellence held at H B Kapadia College of Education
	Healthy Quality Practices: Unknown to known and chaired technical session	30/07/2011	Anand	Anand Education College
	Educational Research Methodology in MEd Class	20/08/2011	Khambhat	Smt B C J College of Education
	Promotion of Human resource through Education and the Role of Teacher	25/09/2011	Khambhat	Smt B C J College of Education
	Met Cognitive Skills for professional development & Reflective thinking	30/11/2011	Ahmedabad	ACS Gujarat University
	Elevating Learning	03/12/2011 & 04/12/2011	Vallabh Vidyanagar	S M Patel College of Home Science
	Research Proposal Writing	13/12/2011	Ahmedabad	
	Research Paper Writing	29/12/2011	Ahmedabad	IASE, Gujarat Vidyapeeth
	Emerging areas of Educational Research	29/12/2011	Mahesana	IASE, Gujarat Vidyapeeth
	Data analysis Human Rights Education	26/03/2012	Anand	Anand Education College

DEPARTMENT OF HISTORY

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Prof Jigish M Pandya	National Movement during 19 th Century	24/08/2011	Surat	Guest lecture (UG)
	Swami Dyanand	07/09/2011	Vallabh Vidyanagar	Guest lecture (UG)

	Social Change – Dayanand	15/09/2011	Anand	Guest lecture (PG Centre)
	Life & works of Sardar Vallabhbhai Patel	03/01/2012	Karmsad	Guest lecture (PG Centre)
Dr Hemant Dave	Umasankar joshi no sahyavichar	16/10/2011	---	---
	Madhusudan Dhanki nu Mandir satpatya na itihash khetre pradan	19/11/2011	---	---
	Bhartiya Svatantra sangramna Itihash lekhan na pariprekshyo	20/12/2011	BISEG Gandhinagar	---
	Aitihashik naval katha ane pruthavivallabh	21 st Dec	Godhara	---
	Roland barthes ane sahyavichar	02/03/2012	Sadra	---

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Prof U A Thaker	Web-2.0	Jan 2012	Academic Staff College, Gujarat University	Refresher Course
	Library - 2.0			
	Role of Librarian in Digital Era	Sep 2011	Navsari Agriculture University, Navsari	State Level Seminar
	Academic Library in 21 st Century	Feb 2012	Ode College, Ode	National Seminar
	Benchmarking the quality of Research: Journal Impact Factors & Author h-index	Feb 2012	SP University	National Workshop (NWCQRT)
Dr N D Oza	Institutional Repository	Jan 2012	Academic Staff College, Gujarat University	Refresher Course
	Digital Repository			
	Role of Libraries in e-learning	Feb 2012	Ode College, Ode	National Seminar

DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr S D Mishra	Women Emp.	21/11/2011	UGC Academic Staff College, Vallabh Vidyanagar	Faculty Orientation Programme
	TV Writing Script	09/12/2011	Walmi	Training to Class

DEPARTMENT OF POLITICAL SCIENCE

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr Baldev Agja	Sthanik Swarajma Samajik Nyay	25/04/2011	Dr Ambedkar Bhavanm Sector-12, Gandhinagar	Samajik Nyay ane Adhikarita Vibhag, Gandhinagar, Gujarat
	Fule-Ambedkari Vicharsdhara Prerit Mulnivas Rajnitithij Brasht Rajnitino Annt Sambhav Chhe	26/06/2011	Nadiad Taluka Panchayat Hall, Station Road, Nadiad	BAMSEF (Gujarat State)
	Taluka Office Barer and Talati Mantri Basic Functional Course Training	17/03/2012	Sigma Pharmacy Institute, Bakrol, Ta-Vaghodiya, Dist- Vadodara	Vaghodiya Taluka Panchayat Office, Dist- Vadodara

DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr J M Trivedi	Major Themes and Methods in Sociology	20/09/2011	Arts College, Kheda	COHSHIP, UGC
	Problems and Challenges in Tribal Development	31/12/2011	Equal Opportunities Centre, Arts and Science College, Lunawada	COHSHIP, UGC
	Human Rights and Other Problems of Indian Society	05/01/2012	N S Patel Arts College, Anand	COHSHIP, UGC
	Social Nature of Education and Teachers Role	05/01/2012	Waymade College, VVNagar	Faculty Development Programme
	Four Lectures on Marxist Indological and Structural-Functional Perspectives for the Study of Indian Society	12-13 Jul 2011	P G Department of Sociology, Bhavnagar University	UGC Scheme of Visiting Fellow
Dr R H Makwana	Future of Humanities and Social Science in Globalized world	07/03/2011	Anand Arts College, Anand	UGC Sponsored National Seminar
	Mordantly in Indian Society	09/04/2011	B D Patel Arts College, Mahudha	UGC Sponsored National Seminar
	Field and Field-Work	07/04/2011	P P Patel College of Social Science, Dehmi	Rural Camp, State Level
	Education in Dalit	14/11/2011	Limbdi, Gujarat	Mahila Social Welfare Association

	Dr Babasaheb Ambedkar and Youth	09/12/2011	Nalini Arts College, VVN	NSS Camp
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Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr J H Khan	The Interaction between Linguistic and Contemporary Literary Theories	10/11/2011	Vallabh Vidyanagar	ASC, SPU UGC Refresher Courses Scheme
	The Interaction between Linguistic and Contemporary Literary Theories-2			
	Developments Preceding the Dawn of the New Millennium	28/11/2011	Aligarh	ASC, AMU UGC Refresher Courses Scheme
	Soft Skills: A Major Requirement in the Employment Market			
	English Language, Literature, or English Studies?	29/11/2011	Aligarh	ASC, AMU UGC Refresher Courses Scheme
	English for Specific Purposes: The Academic Angle			
	Management of English Studies: The Vital Link	30/11/2011	Aligarh	ASC, AMU UGC Refresher Courses Scheme
	Assessment and Evaluation: The Shifting Paradigm			
	Methods and Techniques of Research in the Humanities	11/02/2012	Vallabh Vidyanagar	ASC, SPU UGC Short-Term Courses Scheme
Methods and Techniques of Research in the Humanities-2				
Mr M R Solanki	T S Eliot: The Modernist Poet	23/01/2012	Arts and Commerce College, Balasinor	Guest Lecture

DEPARTMENT OF HINDI

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr D S Tripathi	Hindi Ka Kavyshastriy Chintan	29/09/2011	N S Patel Arts College Anand	Departmental Guest Lecture
	Radiyo Ke Bhed	30/09/2011	Anand Arts, Anand	Departmental Guest Lecture
Dr M M Sharma	Anuvad Ka Vyavharik....	19/12/2011	Anand Arts	Institutional
	Gora...	05/01/2012	N S Patel Arts	Institutional
	Puolakalaya...	16/01/2012	C B Patel Arts Nadiad	Institutional

	Shodh Patr...	19/01/2012	C B Patel Arts Nadiad	Institutional
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DEPARTMENT OF GUJARATI

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr P D Pandya	Research Methodology	27/11/2012	NSP, Anand	UGC Scheme
	Film: Terminology	07/01/2012	Anand Arts	Sahitya Akadami
	Film: Terminology	07/01/2012	Anand Arts	Sahitya Akadami
	Film Ane Literature	23/03/2012	Anand Arts	Sahitya Akadami
Dr P R Pathak	Research Project	12/01/2012	KCG, A'bad	Gujarat Governemnt
	Ravindranath Tagorni Vartakala	24/07/2011	Anand	Guest Lecture In PG Studies In Arts
	Life Enrichment	19/10/2011	Anand	Guest Lecture In PG Studies In Arts
Dr M H Patel	Prabhuni Pal – Jyotiben Thanki	04/06/2011	A'bad	Gujarat Sahitya Sabha
	Panalal Patel Ni Vartakala	Feb 2012	Amrapur	Gram-Bharati
	Sarjak Panalalpatel: Bij Pravachan	Jan 2012	Khed Brahma	Sahitya Parishad
	Panalal Patel Ane Gramchetna	Dec 2011	Ahmedabad	Sahitya Parishad
	Sahitya, Samaj Ane Shikshan	Oct 2011	Vapi	Parishad
Bhasha Sahitya Nu Adhyapan	Nov 2011	Gandevi	Gandevi Shikshan Sankul	

DEPARTMENT OF SANSKRIT

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr N P Patel	Bhartiya Samajma Sanskrit Vangamaya ni Bhumika	21/01/2012	C B Patel Arts College, Nadiad	UGC, New Delhi
	Kiratarjuniyam	22/01/2012	Arts College, Mandvi	UGC, New Delhi
	Meghdoot	23/01/2012	Arts College, Balasinore	UGC, New Delhi

(II) CONFERENCES/SEMINARS PARTICIPATED

No.	Department	International	National	State	Others	Total
1.	Biosciences	04	10	---	15	29
2.	Chemistry	07	09	---	22	38
3.	Computer Science	01	04	03	17	25
4.	Electronics	01	06	---	05	12
5.	Home Science	---	08	01	08	17
6.	Materials Science	02	03	---	15	20
7.	Mathematics	---	04	---	07	11
8.	Physics	02	06	---	06	14
9.	Business Studies	02	13	---	20	35
10.	MBA	02	05	---	03	10
11.	Economics	---	02	---	14	16
12.	Education	---	05	01	08	14
13.	History	01	03	---	07	11
14.	Lib. and Inf. Sci.	---	03	01	05	09
15.	Social Work	---	04	01	07	12
16.	Political Science	---	04	06	14	24
17.	Sociology	02	12	03	06	23
18.	Hindi	---	04	---	18	22
19.	Gujarati	---	---	---	06	06

DEPARTMENT OF BIOSCIENCES

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster /Participant etc.)	Title of the Paper/Poster
Prof Datta Madamwar	International Conference on 'Microorganisms in Environmental Management and Biotechnology'	Barktullah University,	Bhopal, India	1-3 Jul 2011	Invited Talk	Bacterial community structure analysis following molecular approach to assess ecological impact of pollution

	2011 TWAS-ROESEAP Symposium on 'Industrial Biotechnology'		Beijing, China	26/08/2011	Invited Talk	Biocatalyst engineering for improving catalytic performance of <i>Candida rugosa</i> lipase in organic solvents
	One day Seminar on 'Recent trends in Microbial Technology'	The MS University of Baroda	Vadodara, India	21/02/2012	Invited Talk	Molecular analysis of bacterial community structure to assess ecological impact of pollution following culture dependent, culture independent and whole genome sequencing approach
Dr K S Rao	Physiological and Molecular Interventions on Sustainable crop productivity under changing climatic conditions	Indian society of Plant Physiology and Medicinal and Aromatic Plants Association of India	AAU, Anand	17/01/2012	co-chairman in a session	Seasonal cambial activity and wood development in <i>Erythrina indica</i>
AVRL Narasimhacharya	International Conference on Food Structures, Digestion & Health International Conference	Riddet Institute, Massey University	Palmerston North, New Zealand	7-9 Mar 2012	Presented	Role of diets and fruits in management of fluoride induced stress
	National seminar on advances in Zoology and life processes Held at department of Zoology	Goa University	Goa	9-12 Feb 2012	Attended	---

	ISSPURSM-2012	SPU	VV Nagar	8–9 Jan 2012	Student Advisor	----
	International Conference on New Horizons in Biotechnology-2011	BRSI	Trivandrum, Kerala	19–24 Dec 2011	Attended	----
Dr Vasudev R Thakker	A congregation of Nobel Laureates and Eminent Scientists	Indian institute of information technology	Allahabad	26/11/2011 to 02/12/2011	Presentation of Poster	Curcumin arrests cell cycle in untransformed schizosaccharomyces pombe cells
	Expanding Horizon of Biochemistry	Pramukhswami medical college	Karamsad	07/01/2012	Participant	---
Dr K C Patel	New horizons on Biotechnology	Biotech Research Society of India	Trivendrum	21–24 Nov 2011	Chair person/presentation of Paper	Production of Lipase from Cellulomonas flavigena UNP3 and its characterization
T V Ramana Rao	98 th Indian Science Congress,	SRM University	Chennai	03–07 Jan 2011	Participation	
	National Symposium on status, challenges and opportunities in Life-Sciences	Ashok and Rita Patel Institute of Integrated Study and Research in Biotechnology and allied Sciences (ARIBAS)	New Vallabh Vidyanagar	10/09/2011	Participation	
	National Symposium on Evolving Paradigm to Improve Productivity from Dynamic Management and Value Addition for Plant Genetic Resources	Department of Botany, Gujarat University,	Ahmedabad	13–15 Oct 2011	Participation	
	National Seminar of Plant Physiology	Ramnarain Ruia College	Matunga, Mumbai	24–26 Nov 2011	Participation	

	National Seminar on Nutraceuticals and Plants used in Human Health	Department of Botany of MS University of Baroda	Vadodara	10-11 Dec 2011	Acted as a Chairman for one of the Technical Sessions	
Mrs Amita R Shah	New Horizons in Biotechnology (NHBT 2011)	Biotechnology Research Society of India	Trivandrum	21-24 Nov	Presentation of two posters	
Dr Sujata Subhash Bhatt	ISSPURSM-2012	SP University	SPU VVNagar	8 th -9 th Jan	Attended	
Dr M Nataraj	Impact of Plant tissue culture on Advance in Plant Biology and XXXIII PTCA (I) Annual Meet	St Xaviers College	Ahmedabad	Jan 2012	Poster presentation	Micropropagation of Hibiscus radiatus
	UGC-DRS sponsored one day national seminar on Recent trends in Microbial technology	At The Maharaja Sayajirao University	Baroda	Feb 2012	Attended	
Dr J S S Mohan	Top Ciencia forum for sustainable innovation in agriculture	BASF crop protection Asia Pacific, Hong Kong, China	Hong Kong, China	20/12/2011	Work Presentation	Report on Evaluation of Physiological Effects of Headline 20% WG in Zea mays L./ Groundnut
	Zonal seminar on Physiological & molecular interventions on sustainable crop productivity under changing climatic conditions	Indian Society for Plant Physiology (ISPP), Pusa, New Delhi and Medicinal & Aromatic Plants Association of India (MAPAI), Boriavi, Anand	Boriavi, Anand	12/01/2012	Participant	---
Dr Kiran Kalia	Innovations in Biotechnology		Ahmedabad	Sep 2012	Chairperson	Innovations in Biotechnology

	Diabetes and its advances	OMICS Publishing Group	Hyderabad	Sep 2012	Paper Presentation	Role of NAG in early detection of diabetic nephropathy
Dr A S Reedy	International Symposium on Herbal and Traditional Medicine & 16th National Convention of Society of Pharmacognosy	Saurashtra University	---	---	---	---
	National seminar	Gujarat University	---	---	---	---
	National seminar	Institute of Minerals & Materials Technology	---	---	---	---
	National seminar	National Botanical Research Institute	---	---	---	---
	National seminar	MS Univeristy of Baroda	---	---	---	---

DEPARTMENT OF CHEMISTRY

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr H S Patel	4 TH International Congress of Environment Research,	SVNIT	Surat	15-17 Dec 2011	Poster presentation	Synthesis and pharmacological evaluation of some novel spiro 4-thiazolinone derivatives as antimicrobial agents

	4 TH International Congress of Environment Research,	SVNIT	Surat	15–17 Dec 2011	Poster presentation	Synthesis and antimicrobial study of novel 5-((4- (6,7-dihydro thieno[3,2- c]pyridin- 5(4H)- ylsulfonyl)p henyl amino)methy l)quinolin-8- ol and its metal complexes
	SPU Research Scholar Meet	Sardar Patel University	VV Nagar	8–9 Jan 2012	Oral presentation	Facile one- pot synthesis of asymmetrical 3,5- disubstituted 1,2,4- oxadiazoles and their biological activities
	SPU Research Scholar Meet	Sardar Patel University	VV Nagar	8–9 Jan 2012	Oral presentation	synthesis and biological study on novel ligand and its metal complexes
	SPU Research Scholar Meet	Sardar Patel University	VV Nagar	8–9 Jan 2012	Oral presentation	Synthesis and characterizati on of coordination polymer based on 2,5- Bis(p- bromophenyl carbamoyl)te re phthalic acid
	International Conference on Recent Trends in Advanced Materials	Vellore Institute of Technology	Vellore Tamilnadu	20–22 Feb 2012	Poster presentation	Synthesis of novel hetero imine based drugs containing 3- functionalize d ligand and its metal complexes

	International Conference on Recent Trends in Advanced Materials,	Vellore Institute of Technology	Vellore Tamilnadu	20–22 Feb 2012	Poster presentation	Synthesis and biological study of novel N'-((8-hydroxyquinolin-5-yl)methyl)-4-methyl-2-oxo-6-phenylhexahydroypyrimidine-5-carbohydrazide and its metal complexes
	Energy resources, Environment Impacts & Ind. Waste Management	Sir Venkateswara University	Tirupati	27–28 Feb 2012	Oral Presentation	Removal and Decolorization of Dye Bearing Textile Effluents By Sulfinated Furfural-Acetate Resin
	Recent Advances in Analytical Techniques for Pharmaceuticals	SP University	VV Nagar	18–19 2011	---	---
	Combine Application of Spectroscopy in Chemistry	SP University,	VV Nagar	17–19 Feb 2011	---	---
	National Workshop on Frontiers in Chemistry	SP University,	VV Nagar	2–4 Feb 2012	---	---
	National Workshop on Research Methodology : a March Towards Creating Quality Through Research	SP University,	VV Nagar	12/03/2012 to 14/03/2012	---	---

	International Conference on Polymeric Material	CIPET	Ahmadabad		Oral Presentation	Synthesis, Spectral, Magnetic, Thermal and Biological aspects of Pyromellitic dianhydride based coordination polymer
Dr D I Brahmhatt	Heterocyclic Chemistry	Working committee of Heterocyclic Chemistry	Balatonszemes, Hungary	26–28 Sep 2011	Attended	---
	14 th International Conference of International Academy of Physical Science, (CONIAPS-XIV) on Physical Science Interface Humanity	NIT	Surat	23/12/2011	Resource person	Lectures on 2D NMR Spectroscopy
Dr M N Patel	National Workshop On Frontiers In Chemistry	Department of Chemistry, Sardar Patel University	VVNagar	2–4 Feb 2012	Attended	–
	Recent Trends in Advanced Materials (ICRAM-2012)	Vellore Institute of Technology	Vellore Tamilnadu	20–22 Feb 2012	Poster presentation	Synthesis, Characterization and Biological Activity of Cytotoxic Gold(III) Complexes
	Recent Trends in Advanced Materials (ICRAM-2012)	Vellore Institute of Technology	Vellore Tamilnadu	20–22 Feb 2012	Poster presentation	Synthesis, characterization, DNA interaction, antimicrobial, SOD mimic and cytotoxic activity of copper(II) complexes with NS donor ligand and ciprofloxacin

	Recent Trends in Advanced Materials (ICRAM-2012)	Vellore Institute of Technology	Vellore Tamilnadu	20–22 Feb 2012	Poster presentation	DNA interactions and cytotoxic studies of cis-platin analogues of substituted 2,2'-bipyridines
	Two day Symposium on Innovation in Science SPU Research Scholars Meet	Department of Chemistry, Sardar Patel University	VVNagar	8–9 Jan 2011	Oral Presentation	Cytotoxic, DNA interaction, SOD mimic and antibacterial activities of drug based square pyramidal copper(II) complexes with NS donor ligand
	Two day Symposium on Innovation in Science SPU Research Scholars Meet	Department of Chemistry, Sardar Patel University	VVNagar	8–9 Jan 2011	Oral Presentation	DNA binding and cleavage activity of polypyridyl ruthenium(II) complexes
	Two day Symposium on Innovation in Science SPU Research Scholars Meet	Department of Chemistry, Sardar Patel University	VVNagar	8–9 Jan 2011	Poster Presentation	Synthesis, Characterisation, Covalent Binding and Degree of Unwinding of Platinum(II) Bipyridine Complexes
	Physical Sciences Interface With Humanity	Sardar Vallabhbhai National Institute of Technology	Surat	22–24 Dec 2011	Oral Presentation	Copper(II) complexes with norfloxacin and neutral tridentate ligands: Antibacterial, Superoxide dismutase and DNA interaction approach

Dr N J Parmar	International Conference on Global Trends in Pure and Applied Sciences,	Asian Journal of Chemistry,	Udaipur	3–4 Mar 2012	Presented a paper	One-pot synthesis of some novel polyheterocycles under catalyst-, and solvent-free environment
	Three day National Workshop on Frontier in Chemistry	Department of Chemistry Sardar Patel University,	VV Nagar	2–4 Feb 2012	Participated	---
	Two day Symposium on Innovations in Sciences Sardar Patel University Research Scholars Meet	Sardar Patel University Vallabh Vidyanagar	VV Nagar	8–9 Jan 2012	Participated	---
	National Conference on Emerging Trends in Chemistry-Biology Interface	Department of Chemistry, DBS Campus, Kumaun University, Nainital	Nainital	3–5 Nov 2011	Presented a paper	Efficient one-pot synthesis of novel benzopyran-annulated pyrano [2,3-c] pyrazoles via a domino/Knoevenagel-hetero-Diels-Alder reaction
	National Seminar on Recent Trends in Chemical Sciences and Future Prospects	Government VYTPG Autonomous College, Durg (CG)	Durg (CG)	11–12 Oct 2011	Presented a paper	An efficient one pot tandem synthesis of some novel aminochrome no annulated pyrano fused pyrazoles
	Three day National Workshop on Frontiers in Chemistry	Department of Chemistry, SP University, VV Nagar	VV Nagar	2–4 Feb 2012	Participated and chaired a session	--

	Two day Symposium on Innovations in Sciences Sardar Patel University Research Scholars Meet	Sardar Patel University	VV Nagar	8–9 Jan 2012	Participated and chaired a session	--
Dr J H Trivedi	National Conference on Polymer Science and Nanotechnology : Design and Structure (PSNDS11)	organized jointly by The Society for the Polymer Science, India and Applied Chemistry Department, The MS University of Baroda, Vadodara	MS University of Baroda, Vadodara	16–17 Dec 2011	Had attended and presented a research paper	Synthesis, Characterization and Swelling Behaviour of Superabsorbent Hydrogels from Sodium salt of Partially Carboxymethylated Sodium Alginate-g-PAN
	SPU Research Scholars Meet (ISSPURSM-2012) on Two Days Symposium on Innovation in Science	Jointly organized by Sardar Patel University in association with Gujarat Science Academy and Materials Research Society of India (Gujarat Chapter)	Sardar Patel University	8 th -9 th Jan, 2012	Attended by the PhD student and Research Paper presented by him	Cerium-ion grafting of Butyl Acrylate onto Sodium salt of Partially Carboxymethylated Sodium Alginate
	National Workshop on Frontiers in Chemistry	UGC sponsored	Department of Chemistry, SPU	2–4 Feb 2012	Chair Person	---
	XXVI Gujarat Science Congress 2012	Organized jointly by The MS University of Baroda, Vadodara and Gujarat Science Academy, Ahmedabad	The MS University, Baroda	26/02/2012	Attended	---
Dr N P Talpada	International Conference Global Challenges- The role of Chemistry in giving their solution	Indian council of Chemist	Bangkok (Thailand)	12–14 Jun 2011	Poster Presentation	Osmotic Second Virial Coefficient of Terpolymers

Dr S S Soni	Actively participated in A short Term Training Program on Modern Techniques in Analytical Chemistry	Department of Chemistry, KSKV Kachchh University, Bhuj	Bhuj	25–29 Jul 2011	Participant	-
	International workshop on New Materials for Renewable Energy	International Centre of Theoretical Physics (ICTP),	Trieste, ITALY	17–21 Oct 2011	Poster presentation	An efficient, Thermoreversible Hydrogel Based Quasi Solid State Sensitized Solar Cell
Dr M P Patel	UGC sponsored national level workshop on Combined application of spectroscopy	Department of chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat	G H Patel MBA Department, Sardar Patel University, VVNagar	17–19 Feb 2011	Session Chair	--
	Two days Symposium on Innovation in Science SPU Research Scholars Meet	Department of chemistry, Sardar Patel University, VVNagar, Gujarat (ISSPURSM-2012)	Department of Chemistry,	8–9 Jan 2012	Participant	--
	UGC sponsored National Workshop on Frontiers In Chemistry (NWFIC-2012)	Department of chemistry, Sardar Patel University, Vallabh Vidyanagar, Gujarat	M P Patel Auditorium, Sardar Patel University, VVNagar	2–4 Feb 2012	Session Chair	--

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr D B Choksi	Annual Convention of Computer Society of India	Computer Society of India (CSI)	Ahmedabad	1-2 Dec 2011	Participant	
	National Workshop on Research Methodology : A Mar Towards Creating Quality Through Research (NWCQTR)	SP University and The Knowledge Consortium of Gujarat, Gandhinagar	VV Nagar	12-14 Mar 2012	Member of the Advisory Committee, and as a Mentor in Computer Science	
	Two Day Symposium on Innovations in Science – SPU Research Scholars Meet (ISSPURSM-2012)	SP University & Gujarat Science Academy	VV Nagar	08/01/2012	Member of the Advisory Committee	
	State Level Conference on Information Technology in the Next Decade	M B Patel Science College, Anand	Anand	23/01/2012	As a resource person and a member of the Advisory Committee	
	Research students meet	G H Patel P G Department of Computer Science & Technology in association with CSI –Vallabh Vidyanagar chapter	VVNagar	07/12/2011	Resource Person	

	Refresher Course in ICT	Academic Staff college, SPU	VVNagar	03/11/2011	Resource person and Co-ordinator	Computer Networks
Dr P V Virparia	Research students meet	G H Patel P G Department of Computer Science & Technology in association with CSI –Vallabh Vidyanagar chapter	VVNagar	07/12/2011	Resource Person	
	Annual Convention of Computer society of India	Computer Society of India	Ahmedabad	Nov 2011	Presentation of Paper	Real-time Data Warehousing : Trend Setter to Meet the Agile Needs of an Enterprise
	National Conference On 'Technology Driven Society	SRIMCA	Bardoli	11–12 Feb 2011	Presentation of Paper	Routing Mechanism in Bluetooth : A Short Range Communication Technology
	National Conference On 'Technology Driven Society	SRIMCA	Bardoli	11–12 Feb 2011	Presentation of Paper	Studying Correlation between Students Geographical Location and Selection Discipline using Data Mining Techniques
Dr P S Sajja	Annual Convention of Computer society of India	Computer Society of India	Ahmedabad	Nov 2011	Presentation of Paper	Real-time Data Warehousing : Trend Setter to Meet the Agile Needs of an Enterprise

	Research students meet	G H Patel P G Department of Computer Science & Technology in association with CSI –Vallabh Vidyanagar chapter	VVNagar	07/12/2011	Resource Person	Research students meet
	Gujarat state level conference	M B Patel Science College	Anand	23/01/2012	Co-author	
	Refresher Course in ICT	Academic Staff college, SPU	VVNagar	03/11/2011	Resource person	
Dr D M Shah	Refresher Course in ICT	Academic Staff college, SPU	VVNagar	03/11/2011	Resource person	
	Gujarat state level conference	M B Patel Science College	Anand	23/01/2012	Participant	Role of PHP in next decade
	Research students meet	G H Patel P G Department of Computer Science & Technology in association with CSI –Vallabh Vidyanagar chapter	VVNagar	07/12/2011	Resource Person	
	Workshop on Bioinformatics	Department of Computer Science and Technology, S P University	VVNagar		Organizing committee member	
	Annual Convention of Computer society of India	Computer Society of India	Ahmedabad	Nov 2011	Participant	
Mr B B Patel	Annual Convention of Computer society of India	Computer Society of India	Ahmedabad	Nov 2011	Participant	-
Mr Biraj V Patel	Workshop on Web Services Using PHP	AES Institute of Computer Studies and AESICS-CSI Student Branch	Ahmedabad	01/10/2011	Participant	

	Two Day Symposium on Innovations in Science SPU Research Scholars Meet (ISSPURSM – 2012)	Sardar Patel University	VVNagar	8–9 Jan 2012	Participant	Designing Model for Meta-Search Engine
	Gujarat state level conference	M B Patel Science College	Anand	23/01/2012	Participant	Role of PHP in next decade
	7 th short term course of Research Methodology	UGC Academic Staff College	VVNagar	06–11 Feb 2012	Participant	Short term course of Research Methodology
	National level workshop on Research Methodology	Sardar Patel University	VVNagar	Mar 2012	Participant	Workshop on Research Methodology
Mrs Jigisha Patel	National Conference on NLPDM-2012	Veer Narmad South Gujarat University	Surat	3–4 Mar 2012	Presentation of paper	Issues in accented speech recognition for Gujarati and its role in E_Teaching
	7 th Short term course in Research Methodology	UGC Academic Staff College, SPU University	VV Nagar	6–11 Feb 2012	Participant	NA
Dr H J Panchal	2 nd IFIP International Conference on Bioinformatics	SS Dempo College of Commerce and Economics, Panaji, Goa, CSI and IFIP	Goa	22–25 Sep 2011	Presentation of Paper	Modeling and structural Analysis of Tyrosine protein kinase ABL2 isoform B (Homo Spaiens) by using putative conserved domain information

DEPARTMENT OF ELECTRONICS

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr B H Patel	3rd National Conference on Condensed Matter and Materials Physics	Sardar Patel University, VV Nagar, Gujarat	Department of Physics	Mar 3-5	Chair Person & Resource Person Paper presentation	Optimization of Growth condition of ZnInSe ₄ Thin Films
Dr (Ms) Basumati H Patel	Two Day Symposium on Innovations in Science SPU Research Scholar Meet	Sardar Patel University, Vallabh Vidyanagar, Gujarat with GSA		8-9 Jan 2012	Paper presentation	Synthesis and Characterization of ZnIn ₂ Se ₄ thin Films Grown by flash evaporation technique
Dr (Ms) Basumati H Patel	Workshop for NET Exam	UGC	UGC, New Delhi	5-9 Dec 2011	Resource Person	
Dr (Ms) Basumati H Patel	Workshop for NET Exam	UGC	UGC, New Delhi	24-28 May 2011	Resource Person	
Dr D Lakshminarayana	3rd National Conference on Condensed Matter and Materials Physics	Sardar Patel University, Vallabh Vidyanagar, Gujarat	Department of Physics	3-5 Mar	Paper presentation	Development of a multi enzyme based Sucrose Biosensor, by U B Trivedi and D Lakshminarayana

Dr (Ms) Vibha S Vaishnav	3rd National Conference on Condensed Matter and Materials Physics (CMMP)-2012 (Encl 18/1)	Department of Physics, Sardar Patel University	VV Nagar, Gujarat	3-5 Mar 2012	Participant	Fabrication and Application of Thin Film Semiconductor Sensors for the Detection of Volatile Organic Compounds by V S Vaishnav, S G Patel, J N Panchal
Dr (Ms) Vibha S Vaishnav	'Semiconductor Devices and Nano-materials Characterization- A Technical Seminar (Encl. 18/2)	Physics Alumni Association, Department of Physics, Sardar Patel University	VV Nagar, Gujarat	07/07/2011	Participant	---
Mr Paresh B Patel	Semiconductor Devices and Nano-materials Characterization	Automations System Pvt. Ltd. (Agilent Technologies)	PG Department of Physics	07/07/2011	Participant	---
Dr (Mrs) Shahera S Patel	4th International Congress on Environmental Research (ICER-2011)	SVNIT	SURAT	15-17 Dec 2011	Presentation of Paper & Participant	Effect of Activators on ZnO thick film resistors
Dr (Mrs) Shahera S Patel	3rd National conference on Condensed Matter & Materials Physics (CMMP-2012)	Department of Physics, SP University	VV Nagar	3-5 Mar 2012	Poster Presentation & Participant	Nanostructured Pure & Modified ZnO ₂ based Gas sensors
Dr U B Trivedi	3rd National Conference on Condensed Matter and Materials Physics	Sardar Patel University, Vallabh Vidyanagar, Gujarat	Department of Physics	3-5 Mar 2012	Paper presentation	Development of a multi enzyme based Sucrose Biosensor, by U B Trivedi and D Lakshminarayana

Dr U B Trivedi	National workshop on Research Methodology : A Mar towards creating Quality through Research (NWCQTR-2012)	Sardar Patel University, Vallabh Vidyanagar, Gujarat	Gyanoday, SP University	12-14 Mar 2012	Project Presentation	Development of Electronics System for Biosensor
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DEPARTMENT OF HOME SCIENCE

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr V H Patel	National Seminar on Functional Foods: Managing Health in the Modern age	PG Department of Home Science, SPU	VV Nagar	7-8 Oct 2011	Paper presentation	Prevalence of Overweight and obesity in Adolescents of Vallabh Vidyanagar (Co-author)
						Evaluation of the probiotic potential of lactic acid bacteria isolated from Faeces of Breast milk (Co-author)
						Antioxidant Capacity and phenolic content of selected Indian Pulses (Co-author)

						Anti-Amylase and antioxidant capacity of Amla Meal Alone and in combination with psyllium Husk (Co-author)
						Evaluation of Actual; Antioxidant capacity of Papaya (Carica Papaya) using in vitro Gastrointestinal Model (Co-author)
						Antioxidant and anti-amylase activity of Walnut hull (Co-author)
Dr V H Patel	National Seminar on Functional Foods: Managing Health in the Modern age	PG Dept of Home Science, SPU	VV Nagar	7-8 Oct 2011	Poster Presentation	Effect of Flaxseed and Amaranth seed powder incorporated laddu on total Antioxidant capacity and Hematological status of young adult females (Co-author)
						Physiochemical characteristics of Antioxidant rich drink and its effect on the serum antioxidant status of young females (Co-author)

						Optimization of Honey concentration in probiotic yoghurt (Co-author)
						Total Antioxidant capacity of Breast Milk (Co-author)
						Antioxidant capacity and phenolic content of organically and conventionally Grown grains (Co-author)
						Effect of Supplementation of processed yellow and black Soyabean on the antioxidant status of Adult females (Co-author)
						Effect of Rhizopus oligosporus fermentation on phenolic content and antioxidant properties of Soyabean (Co-author)
						Determination of Sugar Profile in commercial Fruit juices compared to Natural Fruit Juices (Co-author)

						Bioguided Fractionation of Lemon Grass for their Antioxidant and Anti-Amylase activity (Co-author)
						Evaluation of total antioxidant capacity of Branded Tea (Camellia Sinesis) Samples (Co-author)
						Carotenoids content and antioxidant Potential of Annato seeds (Co-author)
						Protective effect of Green tea and black tea Extract on in vitro DNA Damage (Co-author)
						Total Antioxidant capacity of different brands of Chayawanprash (Co-author)
						Biochemical and molecular methods for isolation and identification of E.Coli from a milk based product rabri (Co-author)

Dr V H Patel	New Horizons in Biochemistry	Pramukhswami Medical College, Biochemistry Department	Karamsad	7-8 Jan 2012	Participant	---
Dr Rema Subhash	Functional Foods : Managing Health in the Modern Age	PG Department of Home Science, SPU VV Nagar	PG Department of Home Science, SPU VV Nagar	7-8 Oct 2011	Poster presentation	Nutritional Studies on alloxan induced male diabetic rats fed raw and different proportions of fresh Fenugreek Seedling (Co-Author)
						Acid and Bile resistant properties of free and immobilized cells of <i>L.acidophilus</i> isolated from formulated yoghurt (Co-author)
						(3)Formulation and Evaluation of Experimental bread in incorporating <i>Lactobacillus casei</i> immobilized on apple pieces(Co-author)
						Wine production using yeast cell immobilized on guava pieces and comparison with free cells(Co-author)

						Determination of sugar profile in Commercial Fruit juices compared to Natural Fruit Juices(co-author)
						Quality evaluation of branded and locally sold fruit juices compared to pure juices (Co-author)
						Effect of Sodium alginate based edible coating on the physical, organoleptic and microbial attributes of fresh and stored pineapple fruits(Co-author)
	Indo-Australian Conference on Biomaterials, Tissue Engineering and Drug Delivery System	Department of Bio Science, SPU	VV Nagar	10–12 Feb 2011	Participant	--
	New Horizons in Biochemistry	Pramukhswami Medical College, Biochemistry Department	Karamsad	7–8 Jan 2012	Participant	---
Dr Namrita Kola	State Level Seminar Challenges in Management Displines	Anand Institute of Management	Anand	28/03/2012	Paper presentation	Challenges in Marketing of Textile Garments

Dr Neeta R Dave	National Seminar on Functional Foods: Managing Health in the Modern age	PG Department of Home Science, SPU	VV Nagar	7-8 Oct 2011	Poster Presentation	Effect of flaxseed and Amaranth seed power incorporated Laddu on total antioxidant capacity and Hematological status of young adult females (Co-author)
						Optimization of Honey concentration in Probiotic yogurt. (Co-author)
						Effect of supplementation of processed yellow and black soyabean on the antioxidant status of adult females (Co-author)
						Evaluation of total antioxidant capacity of branded tea samples (Co-author)
Dr Jisha Elias	Indo-Australian Conference on Biomaterials, Tissue Engineering and Drug Delivery System	Department of Bio Science, SPU	VV Nagar	10-12 Feb 2011	Participant	--
Dr Jisha Elias	National Seminar on	PG Department of Home	VV Nagar	7-8 Oct 2011	Resource Person	--

	Functional Foods : Managing Health in the Modern Age	Science, SPU			Paper Presentation	Evaluation of the probiotic lactic acid bacteria isolated from farces of breast fed infants : (Co-author) Developing of Antioxidant rich probiotic strains – (Co-author) Biochemical and molecular methods for isolation and identification of E.Coli from a milk based product rabri (Co- author)
	New Horizons in Biochemistry	Pramukhswami Medical College, Biochemistry Department	Karamsad	7–8 Jan 2012	Participant	---
	National Workshop on Research Methodology A Mar Towards Creating quality through research	Organised by SPU	Vallabh Vidyanagar	12–14, Mar 2012	Participant	---
Ms Viraj Roghelia	National Conference NCNCON,2011 Child Survival: Nutrition and material care	Surat Pediatric Association & Surat obstetric &Gynaecological society	Surat	04/09/2011	Poster Presentation	A Study on Oxidative stress & antioxidant rich food consumption during pregnancy

	National Seminar on Functional Foods : Managing Health in the Modern Age	PG Department of Home Science, SPU	VV Nagar	7-8 Oct 2011	Poster Presentation	Antioxidant capacity of phenolic content of organic & conventional gvaills
						Effect of cooking on phenolic compound of carrot
						Vitamin content and phenolic content of under utilized green leafy vegetables
						Physio chemical, survey & antimicrobial analysis of developed Herb buttermilk using paneer & maska whey
	Two day Sympsiom on Innovations in Science-SPURSM	Sardar Patel University Department of Foods & Nutrition	Vallabh Vidyanagar	8-9 Jan 2012	Oral Presentation	Antioxidant & Nutritional Profile of organically and conventionall y grown turmeric
	UGC-DSA SAP-II Workshop on Current Development s in Nutritional Sciences & Practice Workshop on Research tool development for Home Science Colleges of Gujarat	Faculty of Family & Community Sciences, MSU	Vadodara	03/02/2012	Participant	---

	National Workshop on Research Methodology A Mar Towards creating quality through research	SPU, VVN	Vallabh Vidyanagar	12-14 Mar 2012	Oral presentation	Bioactive Compounds & Nutritional profile of organically & conventionally grown fruits & vegetables
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DEPARTMENT OF MATERIALS SCIENCE

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Prof L M Manocha	Nanoscience to Nanotechnology in Construction Practice	CEPT University	CEPT University Nodal Institute, BVM Engineering College, VVNagar	29/09/2011 to 01/10/2011	Invited talk	Nanomaterials and Construction Industries- Monoliths to Composites
	Indo-French Workshop	CEFIPRA	Bangalore	30/11/2011	Convenor & Invited talk	High Performance Composites with Nanostructured Reinforcements
	International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries	Indian ceramic society (Agra chapter)	Agra	19/12/2011	Invited talk	Carbon & Composites as Structural materials for Energy Storage
	CII meeting	CII meeting	Bangalore	Feb 2012	Invited talk	Nanotechnology R & D at Department of Materials Science
	Gujarat University,	Gujarat University,	Gujarat University,	02/02/2012	Invited talk	Carbon Nanomaterial

			Ahmedabad			as reinforcements for nanomaterials
	Academic Staff College, SPU	S P University	Academic Staff College, SPU	10/02/2012	Invited talk	Research Methodology and Characterization of Materials
	Academic Staff College, SPU	S P University	Academic Staff College, SPU	20/03/2012	Resource Person	Types of research
Prof (Mrs) S Manocha	One day Workshop on Carbon Nanomaterials for Industrial applications	Indian Carbon Society	SPU, VVNagar	26/08/2011	Invited talk	Nanoporous Carbons
	21 st AGM MRSI	MRSI, Bangalore	Thappar University, Patiala	13–15 Feb 2012	Medal lecture	Porous Carbon for General Purpose to High End Applications
	Knowledge Consortium of Gujarat	Gujarat University	Gandhinagar	24/05/2011	Resource Person	Research Funding in Physical Sciences and Preparation of Research Project Proposals
	One day Workshop on Carbon Nanomaterials for Industrial applications	Indian Carbon Society	SPU, VVNagar	26/08/2011	Invited Lecture	Nanoporous Carbons
	Academic Staff College, SPU	SP University	Academic Staff Colony, VVNagar	25/05/2011	Resource Person	Nanoscience and Nanomaterials: Introduction
	Nanoscience to Nanotechnology in Construction Practice	CEPT University	CEPT University Nodal Institute, BVM Engineering College, VVNagar	29/09/2011 to 01/10/2011	Resource Person	Training Program of Nanotechnology in Construction
	National Workshop on	DRDO, Hyderabad	SSPL-DRDO	16–17 Nov	Invited Talk	High Performance

	Nanotechnology for Defense Application		Delhi	2011		Composites with Nanoclay and Nano carbons as Reinforcements
	IFCPAR Bilateral Instruments of Co-operation in Science & Technology	Bangalore	Bangalore	30/11/2011 to 02/12/2011	Invited Talk	Carbon-Ceramic Foams for high end application
	International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries	Indian ceramic society (Agra chapter)	Agra	19/12/2011	Medal Lecture	Carbon-Ceramic Foams
Dr (Miss) R H Patel	One day Workshop on Carbon Nanomaterials for Industrial applications	Indian Carbon Society	SPU, VVNagar	26/08/2011	Attended	-
	National workshop on research methodology: A Mar towards creating quality through NWCQTR-2012	Sardar Patel University	SPU, VVNagar	12-14 Mar 2012	Attended	SPU, Vallabh Vidyanagar
Dr N M Batra	One day Workshop on Carbon Nanomaterials for Industrial applications	Indian Carbon Society	SPU, VVNagar	26/08/2011	Attended	-
	National workshop on research methodology: A Mar towards creating quality through NWCQTR-2012	Sardar Patel University	SPU, VVNagar	12-14 Mar 2012	Attended	SPU, Vallabh Vidyanagar

DEPARTMENT OF PHYSICS

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
P A Dabhi	ATM School on Harmonic Analysis	NBHM	IIT, Kanpur	09–21 Jan 2012	Participation	---
S J Ghevariya	7 th Short-Term Course in Research Methodology	Academic Staff College	Sardar Patel University	6–11 Feb 2012	Participation	---
H S Mehta	7 th Short-Term Course in Research Methodology	Academic Staff College	Sardar Patel University	6–11 Feb 2012	Participation	---
	Annual Conference, Gujarat ganit Mandal	---	Amreli	Nov 2011	Participation	---
R D Mehta	Annual Conference, Gujarat ganit Mandal	---	Amreli	Nov 2011	Participation	---
J M Patel	Short term course in DISASTER MANAGEMENT	Academic Staff College	Sardar Patel University	19–24 Mar 2012	Participation	---
P A Dabhi	National Workshop on Research Methodology	---	Sardar Patel University	12–14 Mar 2012	Research Project	---
A H Hasmani	National Workshop on Research Methodology	---	Sardar Patel University	12–14 Mar 2012	Research Project	---
J M Patel	National Seminar Advances in Mathematics: Historical Development & Engginering Appl.	MBPICT	New VVNagar	9–11 Jan 2012	Presented a Paper	---

S J Ghevariya	National Seminar Advances in Mathematics: Historical Deve. & Engg. Appl.,	MBPICT	New Vidyanagar	9–11 Jan 2012	Presented a Paper	---
	Innovations In Science-Spu Research Scholar Meet		Sardar Patel University	8–9 Jan 2012	Presented a Paper	---

DEPARTMENT OF PHYSICS

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Prof K N Joshipura	Current Developments in Atomic Molecular Optical & nano-Physics	Delhi University	Delhi	15–17 Dec 2011	Invited speaker	Electron impact ionization of atomic molecular species
Prof P C Vinodkumar	DAE-BRNS Workshop on Hadron Physics-2011	DAE-BRNS	BARC, Mumbai	31/10/2011 to 4/11/2011	Invited Speaker	Heavy Flavour Hadron Spectroscopy : Challenges and Future Prospects
Prof P C Vinodkumar	DAE Symposium On Nuclear Physics	DAE-BRNS	Andhra University, Visakhapatnam, AP, India	26–30 Dec 2011	Participant and Chairman of the Panel of experts to select three best Posters presented during the symposium for IPA prizes	Exclusive Charmonium +Y and bottomium +Y production in a potential scheme
Prof M P Deshpande	Technical seminar on Semiconductor Devices and Nanomaterials characterization	Agilent Technology(company of USA), Ahmedabad	Department of Physics, Sardar Patel University VVNagar	07/07/2011	Participant	---

Prof M P Deshpande	One day Seminar on Nuclear Technology for Raising the Standard of Living	CC Patel Community Science Centre with Physics Alumini Association and Media Relations & Public Awareness Section , BARC , Mumbai	Department of Physics(venue : M P Patel Auditorium), Sardar Patel University VVNagar	11/09/2011	Participant	---
Prof M P Deshpande	National Workshop on Research Methodology : A Mar towards creating quality through research	Sardar Patel University	Gyanoday, Sardar Patel University, VVNagar	12-14 Mar 2012	Participant	---
Prof B Y Thakore	National conference on recent trends in materials science	Jaypee University	Waknaghat , Shimla	8-10 Oct 2011	Poster Presentation	---
Prof B Y Thakore	National Sympasium on advance in materials science and teachnology	Gujarat University	Ahemdabad	3-4 Feb 2012	Poster Presentation	---
Prof B Y Thakore	3 rd National Conference on Condensed Matter and Materials Physics	SP Univeristy	VV Nagar	3-5 Mar 2012	Resoeraperson Poster presentation	---
Prof K D Patel	Workshop on computers in physics lab	Indian Association of Physics Teachers	Gujarat Science city Ahmedabad	24/07/2011	Participant	---
Prof G K Solanki	International Conference on High Pressure Science and Technology AIR APT-23	Association for the Advancement of High Pressure Science and Technology (AIRAPT), MRSI, India, Sponsored by BRNS, DAE held	at Bhabh Atomic Research Centre, Mumbai	25/09/2011 to 30/09/2011	Poster	High pressure studies of as grown WX_{2-x} single crystals

Prof S H Chaki	National Symposium on Advances in Materials Science and Technology (AMST 2012)	Gujarat University	Ahmedabad	3–4 Feb 2012	Presentation of research paper	Chemical synthesis and characterization of lead sulphide (PbS) thin films
						Study of chemical vapor transport (CVT) grown $WSe_{1.93}$ single crystals
Prof S H Chaki	International Conference on Recent Trends in Advanced Materials (ICRAM – 2012)	VIT University	Vellore	20–22 Feb 2012	Presentation of research paper.	Synthesis and electrical transport properties of SnS nanoparticle
						Wet chemical synthesis and characterization of Manganese Sulfide nanoparticles.
Prof S H Chaki	3 rd National Conference on Condensed Matter and Materials Physics (CMMP – 2012)	Department of Physics, Sardar Patel University	Vallabh Vidyanagar	3–5 Mar 2012	Presentation of research paper	Studies on ZnO nanorods synthesized by hydrothermal method and their characterization
						Chemical synthesis and characterization of SnS_2 nanoparticles
						Characterization of Bi_2S_3 nanorods prepared at room temperature

						Controlled synthesis through microwave heating and structural properties of ZnS nanoparticles
						synthesis and electrical transport properties of Copper Sulfide (CuS) nanoparticles

DEPARTMENT OF BUSINESS STUDIES

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr P K Rathod	Management, Commerce, Business and Economics Research in the Session on Research in Finance	Department of Commerce & Business Administration, Saurashtra University	Rajkot	27/11/2011	Chairperson	---
	Recent Trends in Business, Management, IT and Business English	Smt S I Patel Ipcowala College of Commerce	Petlad	01/12/2011	Chairperson in the Session	---
	Recent Advances & Finance	Department of Commerce & Business Administration, Saurashtra University	Rajkot	28/01/2012	Member of the Panel Discussion	---
	Research Methodology in Commerce and Management	Sardar Patel college of Administration and Management	Bakrol, Anand	12/02/2012	Chief Guest in the Inaugural Function	---

	Contemporary Issues of Accountancy and Commerce Education	Board of Studies, Institute of Chartered Accountants, New Delhi and jointly organized by the Anand Branch of WIRC of Institute of Chartered Accountants of India and Department of Business Studies, Sardar Patel University, VVNagar	Dept of Business Studies, Sardar Patel University, VVNagar	18/10/2011	Workshop Director	---
	UGC NET-JRF/NET/GSET-L	Department of Business Studies, Sardar Patel University, VVNagar	VVNagar	17/12/2011	Workshop Director	---
	Corporate Disclosure and Investors' Perception	Department of Business Studies, Sardar Patel University, VVNagar	VVNagar	31/01/2012	Seminar Director	---
	Global Commerce Education Summit	The Institute of Chartered Accountants of India (ICAI), New Delhi, India	New Delhi	12/12/2011	Participant	---
	Accounting, Taxation and Economic Issues	R J Tibrewal Commerce College (Accredited 'A grade by NAAC), Vastrapur	Ahmedabad	23/12/2011	Participant	---
Dr C K Sonara	Workshop	PG Department of Business Studies	VV Nagar	18/10/2011	Participant	---
	National seminar	Smt S I Patel Ipcowala College of Commerce, Petlad	Petlad	01/12/2011	Participant	---

	International Seminar	All India Accounting Conference, Jaipur	Jaipur	17-18 Dec 2011	Participant	---
	National Conference	R J Tibrewal Commerce College, Ahmedabad	Ahmedabad	23/12/2011	Participant	---
	National seminar	PG Department of Business Studies	VV Nagar	31/01/2012	Participant	---
Dr R M Joshi	Corporate Disclosure and Investors' Perception	Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar	VV Nagar	31/01/2012	Participant	---
Dr P R Sheth	International Seminar	All India Accounting Conference, Jaipur	Jaipur	17-18 Dec 2011	Participant	---
Dr D S Mistry	5 th Short Term Course in Disaster Management (All Subjects)	Academic Staff College, Sardar Patel University	V V Nagar	19/03/2012 to 24/03/2012	Participant	---
	National Conference on Accounting, Taxation and Economic Issues	R J Tibrewal Commerce College	Ahmedabad		Participant	---
	One-Day national Seminar on Corporate Disclosures and Investor's Perception	Post-Graduate Department of Business Studies, Sardar Patel University	V V Nagar	31/01/2012	Convener, Keynote Speakers' Session	---
	One-Day Joint Workshop on Contemporary Issues of Accountancy and Commerce Education	Board of Studies, ICAI and Post-Graduate Department of Business Studies, Sardar Patel University	V V Nagar	18/10/2011	Joint Workshop Secretary	---

	One-Day Workshop on Research Methodology in Commerce and Management	Sardar Patel College of Administration and Management, Anand and Indian Commerce Association (Gujarat Chapter)	V V Nagar	13/02/2012	Advisor and Convener of Panel Discussion	---
	Recent Trends in Management	Smt S I Patel Ipcowala College of Commerce	Petlad	01/12/2011	Chaired the Technical Session on Management as a Resource Person during National Conference	---
	64 th All India Commerce Conference organized	Department of Management	Pondicherry University	13-15 Dec 2011	Paper Presenter	Role of Corporate Transparency and Reporting
	National Seminar	C Z Patel College of Business and Management	Anand	02/12/2011	Paper Presenter	Advantage Gujarat in Spiritual Tourism
Dr Y M Dalvadi	Two Day National Seminar on Understanding the Indian Rural Consumer sponsored by UGC SAP-DRS II	P G Department of Business Management, Sardar Patel University, Vallabh Vidyanagar	VVNagar	17-18 Feb 2012	Participant	A Study of Involvement with Four Wheeler Automobile- A Study of rural Market
	National Seminar on Corporate Governance and Investors' Perception	PG Department of Business Studies, Vallabh Vidyanagar	VVNagar	31/01/2012	Participant	Awareness and Perception about IFRS- A Study of Fresh Commerce Graduate Students
	National Seminar on Corporate Governance and Investors' Perception	PG Department of Business Studies, Vallabh Vidyanagar	VVNagar	31/01/2012	Participant	Awareness and Perception of Investor about the Role of SEBI in Investor's Protection

	National Seminar on Corporate Governance and Investors' Perception	PG Department of Business Studies, Vallabh Vidyanagar	VVNagar	31/01/2012	Participant	Perception about Non Statutory Disclosure In India – A Study of Selected Investors
	15th National International Conference on Management (NICOM-2012) on Global Recession to Global Recovery: Opportunity, Challenges and Strategies for Sustainable Growth	Institute of Management, Nirma University,	Ahmadabad	05–07 Jan 2012	Participant	CSR Practices of Selected Companies in Gujarat
	34 th All India Accounting Conference & International Seminar On Accounting Education and Research,	by Department of Accountancy & Business Statistics, University of Rajasthan & Indian Accounting Association	Jaipur	17–18 Dec 2011	Participant	Direct Tax Code : A Survey of Individual Tax Payer
	34 th All India Accounting Conference & International Seminar On Accounting Education and Research,	by Department of Accountancy & Business Statistics, University of Rajasthan & Indian Accounting Association	Jaipur	17–18 Dec 2011	Participant	How New DTC will Affect Salaried Person?
	34 th All India Accounting Conference & International Seminar On Accounting Education and Research,	by Department of Accountancy & Business Statistics, University of Rajasthan & Indian Accounting Association	Jaipur	17–18 Dec 2011	Participant	Adoption of Technology for Accounting: A Study of its usage by selected SMEs
	National Seminar on Innovative Strategies in Management and Education	CZ Patel College of Business and Management	VV Nagar	02/12/2011	Participant	Simplified Approach to Financial Derivatives

	National Seminar on Innovative Strategies in Management and Education	CZ Patel College of Business and Management	VV Nagar	02/12/2011	Participant	Corporate Governance Philosophy and Non-mandatory Disclosures: A Study of top 10 Companies in India
	National Seminar on Innovative Strategies in Management and Education	CZ Patel College of Business and Management	VV Nagar	02/12/2011	Participant	Corporate Governance Reporting Practices: Evidence from Selected IT and Hotel Companies- A Comparative Approach
	National Conference on Recent Trends in Business, Management, IT & Business English	Jointly organized by Smt S I Patel Ipcowala College of Commerce, Petlad and Indian Commerce Association (Gujarat Chapter)	Petlad	01/12/2011	Participant	An Explorative Study on Financial Innovation by Financial Services Companies to Overcome Challenges in the Area of Financial Management
	Refresher Course In Commerce and Mgt	Academic Staff College, Sardar Patel University, VV Nagar	Academic Staff College, Sardar Patel University, VV Nagar	23/05/2011 to 12/06/2011	Participant	---
	Prelude Conference On Role of Panchayat Bodies In Rural Development Since 1959	Indian Institute of Public Administration Local VV Nagar Branch In Collaboration With Ilsaas, VV Nagar	Ilsaas College, VV Nagar	13/10/2011	Paper Contributed and Presented	An Overview of Panchayati Raj System In India

	All India Annual Commerce Conference At Pondicherry University, Goa , Three Days National Level Seminar	All India Annual Commerce Conference At Pondicherry University, Pondicherry	Department of Commerce , School of Mgt, Pondicherry University, Pondicherry	13–15 Dec 2011	Paper Contributed and Presented	Work Life Balance: Towards Achieving The Perfect Balance
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DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr Raju M Rathod	15 th International Conference on Global Recession to Global Recovery: Opportunities, Challenges and Strategies for Sustainable Growth	Institute of Management, Nirma University, ,	Ahmedabad	5–7 Jan 2012	Presentation of Paper	Organizational Commitment and Job Satisfaction: An Empirical Study with Reference to Teachers of Postgraduate Departments of Sardar Patel University
	International Seminar on Gujarati Diaspora – Impact of Diaspora	Postgraduate Department of Sociology	Vallabh Vidyanagar	10/02/2012	Presentation of Paper	Role of India Diaspora in the Economic Development of country
	National Conference on Recent Trends in Business, Management & IT	Smt S I Patel Ipcowala College of Commerce (All Indian Commerce Association – Gujarat Branch	Petlad	01/12/2011	Presentation of Paper	Marketing Metrics: A New Perspective to Evaluate Marketing Management Performance

	One day National level conference on Innovative strategies in Management and Education organized	C Z Patel College of Business and Management	VVNagar	31/12/2011	Presentation of Paper	A Study on Innovativeness among Management Teachers in Undergraduate Colleges affiliated to Sardar Patel University
	One Day National Seminar on Corporate Investors' Perception	PG Department of Business Studies, Sardar Patel University,	VVNagar	31/01/2012	Presentation of Paper	An Empirical Study on Investor's Perception and Investors' Awareness with reference to Young Employees
	UGC sponsored two day National level seminar on Understanding the Indian Rural Consumers	G H Patel Postgraduate Department of Business Management, SP University	VVNagar	17-18 Feb 2012	Presentation of Paper	Agriculture Finance: Rural consumer perspective
	UGC sponsored two day National level seminar on SSIs in Gujarat	PG Department of Economics, Sardar Patel University, Vallabh Vidyanagar	VVNagar	12-13 Mar 2012	Presentation of Paper	A Study on Problems and Prospect of Small Scale Solar based Units in Vithal Udyognagar GIDC
Mr K S Prasad	Workshop on Blue Ocean Strategy	IIM Kozikode	Kozikode	20-25 Feb 2012 (6 days)	Participant	---
	Refresher course	UGC-Academic Staff College	SP University	23/05/2011 to 12/07/2011	Participant	---

Dr Ashish C Mehta	Emerging issues in Corporate governance with specific reference to role of SEBI, Role of Auditor and IFRS	S K Somaiya College of Arts, Science & Commerce Vidyavihar, Mumbai-400077	Mumbai	7-8 Feb 2012	Presentation of paper	Corporate Governance Practices in Indian Cement Manufacturing companies in India
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DEPARTMENT OF ECONOMICS

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster	
Dr H P Trivedi	UGC Sponsored Two day National seminar Small Scale Industries in Gujarat	Department of Economics SPU	V V N agar	12-13 Mar 2012	Participant		
Dr D J Chauhan					Participant		
Dr N M Patel					Participant		
Dr D G Ganvit					Participant		
Dr Sonal Bhatt					Participant		
Shri J K Barot & Himanshu Barot					presentation of Paper		Contribution of SIDBI in SSI's in Gujarat
Shri M R Patel & Bhavesh Parmar					Presentation of Paper		Small scale industries in tapi District
Dr H P Trivedi	District level Workshop on Preparation of Panchmahal District Human Development Report	Circuit House	Godhra	15/07/2011	Participant	NA	
Dr D J Chauhan					Participant		
Dr Sonal Bhatt					Participant		
Dr H P Trivedi	A workshop on Academic Performance Indicator (API) BASED PERFORMA	Sardar Patel University, held at M P Patel Auditorium	V V N agar	02/09/2011	Participant		
Dr D J Chauhan							
Dr N M Patel							

Dr D G Ganvit	NCE Based Appraisal System (PBAS)					
Dr Sonal Bhatt						
Shri J K Barot						
Shri M R Patel						
Dr D J Chauhan	UGC sponsored National seminar on Research Methodology in Social Sciences	H M Patel Institute of English Training (CERLIP)	NVPAS Auditorium VV Nagar	1-2 Jul 2011	Participant	
Dr N M Patel					Participant	
Dr D G Ganvit					Participant	
Shri J K Barot					Participant	
Dr D G Ganvit	Entrepreneurship in Gujarat – Issues and Problems	Smt SCPF Commerce College	Dabhoi	30/08/2011	Participant	Small Scale Industries in India- conceptual analysis
Shri J K Barot					presentation of Paper	
Dr D G Ganvit	ICT and Soft Skill Development	Department of Computer Science in Association with the Computer Society of India (CSI), Sardar Patel University	VVNagar	5-10 Sep 2011	Participant	
Shri J K Barot					Participant	
Dr D G Ganvit	Disaster Management	Academic Staff College	VVNagar	19-24 Mar 2012	Participant	
Shri J K Barot					Participant	
Dr D G Ganvit	Examination workshop	Bhavnagar University	Bhavnagar	06/08/2011	Participant	
Dr D G Ganvit	Examination workshop	Bhavnagar University	Bhavnagar	23-24 Aug 2011	Participant	
Dr D G Ganvit and Shri M R Patel	42nd Annual Conference, Urbanization in Gujarat: Issues & Problems	Gujarat Economics Association and Rofel Arts & Commerce College, Vapi	Shrimad Ramchandra Aashram Mohangadh, Dhrampur	4-5 Feb 2012	Presentation of Paper	Urbanization in Gujarat
Dr D G Ganvit	Fundamental Constitutional Rights of Adivasi	K R Shah, BBA Building, Vadodara	Vadodara	25-26 Feb 2012	Presentation of Paper	Education and Constitutional Rights of Adivasi
Shri M R Patel					Participant	NA

Dr Sonal Bhatt	Strengthening Panchayati Raj Institutions in Gujarat: Issues Before the Third Finance Commission	IRMA	Anand	21/07/2012	Participant	NA
Dr Sonal Bhatt	'Union Budget 2012-13: Prospects and Implications', by Prof Ravindra Dholakia, IIM, Ahmedabad, Invited Lecture Series under Corporation Bank Chair	GHPIBM, SPU	VV Nagar	17/03/2012	Participant	NA
Dr Sonal Bhatt	Orientation Programme on Human Development, with support from United Nations Development Programme, India	Tata Institute of Social Sciences	Mumbai	25-29 Apr 2011	Participant	

DEPARTMENT OF EDUCATION

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr Pallavi P Patel	Research Methodology	DIET, Valasan	Sarsa (Anand) MBPCE	23-24 Aug 2011	Resource person	Types of Resource
	Research Methodology	GCERT	Faizpur	29-31 Dec 2012	Resource person	Statistical Tests in Education
	Research Methodology	Women's College of Education & N M Uni., Jalgaon	VVNagar	20-21 Jan 2012	Resource person	Methods of data collection
	Research Methodology	Academic Staff College	VVNagar	8/2/2012	Resource person	

	Research Proposal Writing	Department of Education		27–29 Feb 2012	Resource person	
Dr M K Yagnik	Message of Bhagvad Geeta (Seminar-State level)	Gujarat Sahitya Academy	Santrampur	02/02/2012	College Teachers	Message of Bhagavat Geeta
	Academic writing (Workshop) (State level)	UGC	VV Nagar	27– 29 Feb 2012	Teacher Educators (Secondary level)	Course Directory
	Institution Appraisal in India (National)	UGC	MSU, Baroda	23–24 Mar 2012	Teacher Educators	Resource person
	National Meet of Researchers (National)	UGC	MSU Baroda	10–21 Mar 2012	Research students	Resource person
	Taxonomy of Educational Skills (National Seminar)	UGC	MSU, Baroda	26–27 Mar 2012	Teacher Educators	Resource person
Dr K S Likhia Associate Professor	Gujarat vidyapeeth, Ahmedbad Research Guidance Workshop Organized IASE worked as a Resource Person and Delivered Lecturer on Research Paper Writing 07/04/ 2011.					
	UGC Sponsored National Workshop Organized by PG Department of Education on Academic Writing Worked as a Resource Person and Presented Paper on Research Paper Writing 27–29 Feb 2012 .					
	Elevating learning organized by Dr B Ambedkar Open Uni., AIAER, Bharatiya Shikshan Mandal, Gujarat Prant, 3–4 Dec 2011. Participated and Chaired the Session Organizer Member.					
	NAAC Sponsored National seminar on ‘Healthy Quality Practices: Unknown to Known’ Organized by Anand Education College, Anand chaired Technical Session and Participated 30–31 Jul 2011.					
	Research Competencies Workshop Organized by IASE Gujarat Vidyapeeth, Ahmedabad worked as an Expert and Delivered Lecture on (1) Research Project Proposal and (2) Report Writing 29/12/2011.					

DEPARTMENT OF HISTORY

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Prof J M Pandya	Research Methodology in social science (UGC sponsored National seminar)	H M PIETR & CERLIP	VVNagar	1-2 Jul 2011	Presentation of paper	“Biography ,Autobiography & Social Research”
	Gujarati Diaspora-impact of Diaspora (Center for Indian Diaspora International Seminar)	Department of Sociology SP University	VVNagar	9-10 Feb 2012	Participation	
	Rise & Growth of Eco.& Nationalism in Gujarat	Department of History SP University	VVNagar	24/02/ 2012	Work as Director of the seminar	
Dr D C Chaudhari	Gujarat ma Adivasio no itihase Sanskruti	Santrampur	Santrampur	12/01/ 2012	Presentation of paper	Akhil kshatriya raniparaj prajanu “chingari”masik: ek Aitihasek Adhyan
	Rise & Growth of Eco.& Nationalism in Gujarat	Department of History SP University	VVNagar	24/02 2012	Participation	
DR H V Dave	Sources of Cultural History of India	Natnagar Sodh sansthan	Sitamau MP	26-28 Dec 2011	Presentation of paper	Cultural History from the Vimalprabandha

	Indian freedom struggle & the Indian Press	Svaraj Samsthan Sanchalaya	Bhopal MP	4-5 Feb 2011	Presentation of paper	Fighting for Freedom Abroad
	Indology An Appraisal	LD Institute	A'bad	28/03/2012	Presentation of paper	A Marxist Intervention in Indology
	Key Concept	Gujarat Sahitya Academi	Gandhinagar	7-6 Aug 2011	Presentation of paper	Form & Anti Form Semetics & Rhetorict....
	Problems of Translation in Historical Texts	Kalol	Panchmahal	27/11/2011	Participation	---
	Concept of History in Ancient India	Vadali	---	24/03/2012	Participation	---

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Prof U A Thaker	Networking of Library in Gujarat for Resource sharing	ADINET & INFLIBNET	Ahmedabad	06/08/2011	Resource person	---
	UGC Work Shop	UGC	Delhi	Dec 2011 Mar 2011	Resource person	---
	UGC Workshop	UGC	Pune	May 2011 Aug 2011	Resource person	---
	GSLET Workshop	UGC	Baroda	Jun 2011 Nov 2011	Resource person	---
	National Workshop- Research Methodology : Mar towards Creating Quality through Research	S P University	V V Nagar	13/02/2012	Resource person	Benchmarking the quality of Research: Journal Impact Factors & Author h-index

	State Level Seminar – Role of Libraries in Digital Era	Agriculture University, Navasari	Navasari	17/09/2011	Chair Person	Role of Libraries in Digital Era
	National Seminar – Academic Libraries in 21 st Century	D M Patel Arts & S S Patel Commerce College	Ode	12–13 Feb 2012	Chair Person	Academic Libraries in 21 st Century – Key Note Address
Dr N D Oza	Networking of Library in Gujarat for Resource sharing	ADINET & INFLIBNET	Ahmedabad	06/08/2011	Presentation of Paper	Seamless Scholarly Communication for the Universities of Gujarat : Centralized Institutional Repository
	National Seminar – Academic Libraries in 21 st Century	D M Patel Arts & S S Patel Commerce College	Ode	12–13 Feb 2012	Resource Person	Role of Libraries in e- Learning

DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr S D Mishra	UGC Sponsored National Level Short Term Training Programme on Higher Competency in Advanced Social Work Research Methodology	Department of Social Work	VV Nagar	17/12/2011 to 23/12/2011	Organizer	

	Gujarat diaspora: impact of diaspora	Department of Social Work, SP University	VV Nagar	9–10 Feb 2012	Participant and Paper Presenter	Exile and Excel: Status and Impact on Diaspora Community at International Seminar on Gujarati Diaspora
	Indian Parliamentary System and democracy	Department of Political Science, S P University	V V Nagar	23–24 Feb 2012	Participant and Paper Presenter	Lokayut: A Great Leap of Indian Democracy
	Improving Quality in Higher Education Through E – Learning Management System	N S Patel Arts College, Anand	Anand	25–26 Feb 2012	Participant and Paper Presenter	Learning in Social Work Education Prospectus and Prosperous
	HR Conclave – Strive and Thrive	Department of Social Work, SP University	VV Nagar	29/02/ 2012	Organizer	
	UGC Sponsored National Seminar On Small Scale Industries In Gujarat	Department of Economics	VV Nagar	12–13 Mar 2012	Participation and Paper Presentation	Small Scale Industries: Striving and Thriving in the Era of Globalization
	UGC Sponsored National Seminar On Managing Market Opportunities Challenges For Sustainable Development	D N Institute of Buisness Administration	Anand	27/10/ 2012	Participation and Paper Presentation	
	PG Department UGC Centre For Advance Studies National Seminar Role of Education In Human Development	PG Department of Economics	VV Nagar	Nov	Participation and Paper Presentation	PG Department UGC Centre For Advance Studies National Seminar Role of Education In Human Development

	State Level HR Conclave Strive and Thrive	Department of Social Work	VV Nagar	29/02/2012	Organizer	State Level Hr Conclave Strive and Thrive
	UGC Sponsored National Seminar On Emerging Issues In Competitive Buisnes Enviornment	Iv Patel Commerce College	Nadiad	06/10/2012	Participant and Paper Presentation	UGC Sponsored National Seminar On Emerging Issues In Competitive Buisnes Enviornment
	UGC Sponsore National Seminar On Indian Parliament Democracy	Department of Political Science	VV Nagar	23-24 Feb 2012	Participant and Paper Presentation	UGC Sponsore National Seminar On Indian Parliament Democracy
	Indian Institute of Public Administratio n and Ilsas Prelude Seminar On Administratio n of Urban Development and Urban Service Delievery	Ilsas	VV Nagar	Oct 2012	Participation and Paper Presentation	Indian Institute of Public Administratio n and Ilsas Prelude Seminar On Administratio n of Urban Development and Urban Service Delievery
	Entrepreneurship among dalits: strife, struggle and survival	Faculty of Social Work, MS University	Vadodara	2-3 Mar 2012	Paper Presented	Dalit Empowerme nt through entrepreneurship – A Case of Vibrant Gujarat,
	Community Health	Madras School of Social Work	Chennai	9-10 Mar 2012	Paper Presented	Situational Analysis of Maternal health Service in Gujarat State

DEPARTMENT OF POLITICAL SCIENCE

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr Baldev Agja	Swarnim Jayanti Seminar	Samajik Nyay ane Adhikarita Vibhag	Gandhinagar, Gujarat	25/04/2011	Subject Expert Lecture	Sthanik Swarajma Samajik Nyay
						Anusuchit Jatina Jilla ane Taluka Panchayato na Pramukh ane Jilla Taluka Samajik Nyay Samitina Adhyaksh no Rajyakaksha no Seminar
	Orientation Course	Jawahar Navodaya Vidyalaya (Ministry of Human Resource Development, Department of School Education & Literacy, Government of India)	Taluka-KATHLA L – 387630 District-Kheda, Gujarat	11/05/2011	Resource Person	Orientation Course on content enrichment for TGT-Social Science
						‘Local Self Government in India’
UGC Expert Committee Member	Kannur University	Kerala	23/06/2011	Expert Committee Member	Attended Planning Board Meeting of Kannur University scheduled on 23 rd Jun 2011	

	Seminar	BAMSEF (Gujarat Satate)	Nadiad	26/06/ 2011	Subject Expert Lecture	Fule- Ambedkari Vichardhara Prerit Mulnivasi Rajnitithij Brasht Rajnitino Annt Sambhav Chhe
	UGC Sponsored National Seminar	Charutar Vidya Mandal's HMPIETR & CERLIP	VVNagar	1-2 Jul 2011	Resource Person	Research Methodology in Social Sciences Research and Development in Political Science
	UGC Sponsored National Seminar	Jointly Organized by Charutar Vidya Mandal's H M Patel Institute of English Training and Research (HMPIETR) & Centre for Studies and Research on Life and Works of Sardar Vallabhbhai Patel (CERLIP)	VVNagar	11/08/ 2011	Participated	UGC Sponsored National Seminar on Sardar Patel and Dr Babasaheb Ambedkar: Contemporar y Relevance
	Workshop	Sardar Patel University	VVNagar	02/09/ 2011	Participated	Academic Performance Indicator (API) based Performance Based Appraisal System (PBAS)
	MPhil Viva	Gujarat Vidyapeeth	Ahmedaba d	06/09/ 2011	Subject Expert	MPhil Viva

	Conference	BAMCEF, Gujarat State	Nadiad Taluka Panchayat Hall	10-11 Sep 2011	Resource Person	Fule Ambedkari Vichardharat hi Prerit Mulnivasi Rajnitithij Brashta Rajnitino Ant Sambhav Chhe State Level Conference The All India Backward and Minority Communities Employed Federation, New Delhi
	Interview	Anand People's Medicare Society	Anand	12/09/ 2011	Subject Expert	Interview for Assistant Professor in Political Science Vice- Chancellor's nominees on the Selection Committee for the post of Assistant Professor in Political Science, Shree J M Patel Arts College
	MPhil Viva	Centre for Studies and Research on Life and Works of Sardar Vallabhbhai Patel (CERLIP)	VVNagar	17/10/ 2011	Subject Expert	MPhil Political Science Students Viva
	State Level Seminar	Gujarat Rajyasashtra Mandal & Anand People's Medicare Society	Anand	10/12/ 2011	Organizing Secretary	Gujaratna Vikasna Lekhajokha
	National Conference IPSA Executive Committee	Indian Political Science Association 54 th Annual	Lucknow, UP, India	28-30 Dec 2011	Paper Presented	Emerging Nature of Indian Politics

	Member	Conference				State of Political Science as a discipline in Gujarat
	State Level Seminar	Gardi Research Institute for Diaspora Studies – GRIDS and Gujarat Sahitya Academy	Gandhinagar	10/01/2012	Participated	Purva Africa: Gaikal Ane Aaj
	State Level Information Seminar	Shri Chhashath Gam Vankar Seva Samaj	Khambhat	29/01/2012	Subject Expert	Social Science Competitive and Public Exam Preparation
	XXXIV ISGS Annual Conference	Gandhi and Peace Resource Centre, VMOU KOTA & Indian Society of Gandhian Studies Vardhaman Mahaveer Open University, Kota	KOTA-324 021 (RAJASTHAN)	3–5 Feb 2012	Paper Presented	Gandhian Values in the New Millennium: Trends and Challenges
Gandhi and Peace						
	National Workshop	Vardhaman Mahaveer Open University, Kota , Gandhi & Peace Resource Centre	Gandhi Bhawan, VMOU Campus	04/02/2012	Participated	Contemporary Development & Dimensions of Gandhian Studies
	Students Sanman Samarambh	Surendranagar Jilla Rohidas Vansi Samaj Seva Mandal	Joravarnagar	07/02/2012	Chief Guest	Students Sanman Samarambh
	International Seminar	Gujarat State Non-Resident Gujaratis' Foundation, Gandhinagar in association with Sardar Patel University, Vallabh Vidyanagar	VVNagar	9–10 Feb 2012	Paper Presented	Gujarati Diaspora-Impact of Diaspora
Indian Diaspora and Changing Development						
	UGC National Seminar	PG Department of Political Science, Sardar Patel University	VV Nagar	23–24 Feb 2012	Director	Indian Parliamentary System and Democracy

	State Level Seminar	Gujarat Vidyapith	Ahmedabad	2-3 Mar 2012	Paper Presented	Gujaratni Mahilaoni Sthiti: Dasha ane Disha Gujaratma Mahilaoni Rajkiya Sthiti
	State Level Seminar	Gujarat-Mumbai Rationalist Association	Ahmedabad	04/03/2012	Paper Presented	Adivasi Dalitoni Samajik, Arthik Samasyaoma rationalismni Bhumika
	Political Science Sub Paper Setting	Kucch University	Bhuj	06/03/2012	Chairman	Chairman MA Political Science Subject paper setting
	Training Seeber	Vaghodiya Taluka Panchayat Office	Vadodara	17/03/2012	Subject Expert Lecture	Taluka Office Barer and Talati Mantri Basic Functional Course Training Sarshtriya Gram Sawaraj Yogna, Panchayat Department, Gandhinagar, Gujarat State
	Educational Tour	PG Department of Political Science, Sardar Patel University	VVNagar	25/03/2012 to 28/03/2012	Programme Director	Educational Tour of Delhi PG Department of Political Science Students and Faculty to Indian Parliament, President House & Supreme Court of India
	State Level Seminar	Gujarat Vankar Seva Samaj & Social Justice and Empowerment	Gandhinagar	29-30 Mar 2012	Session Chairperson	Implementati on to Atrocities Act 1989

		Department, Gujarat State				Implementati on roles and NGO, public representativ es role
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DEPARTMENT OF SOCIOLOGY

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr J M Trivedi	National Convention on Evaluation of Area Studies Pogrammes	UGC	Delhi	31/05/2011 to 01/06/2011	Simple Participant	---
	Courses on Social Science on Research Methodology	Academic Staff College	Ahmedabad	03/01/2011	Delivered Two Lectures as a Resource Person	Contradiction in SS Research
	National Seminar on Research Methodology in Social Science Research	CERLIP	VVN	1-2 Jul 2011	Delivered Lecture as a Resource Person	Dialectics in SS Research
	National Conference on Network and Knowledge Society	ISS, RGNVD	Patan	26-27 Sep 2011	Presided over Session V	
	National Seminar on Status of Women in India	Arts College	Satlasna	6-7 Nov 2011	Delivered Key-note Address	Theme and Perspective of Research on Status of women in India
	National Workshop on Research Methodology and Research Proposal Development	KCG, GoG	Patan	23-24 Nov 2011	Resource Person and Guided Faculty for writing their Research Proposal	

	All Indian Sociological Conference	ISS	New Delhi	10-12 Dec 2011	Conducted (organized) one RC- 6 on Regional and Religious Communities presented Research Paper	Islam Higher Education and Muslim Youth
	Research Proposal for PhD and Major/Minor Research Project	KCG GoG	Ahmedabad	30-31 Mar 2012	Work as Resource Person	
	Development of Research Proposal	P K Kotawala Arts College	Patan	18/03/2012	Delivered Key-note Address	Significance and main aspect of SS Research
	State Level Seminar on Globalization	CCDS	Vadodara	09/12/2011	Paper Presentation	Globalization and Changing Caste and Gender Relations among Educated Youth in Central Gujarat
	Acted as external Evaluator for Presentations made by participants of XII orientation programme	Academic Staff College,	SPU, VVNagar	18/11/2011	---	---
	refresher course on research methodology in Social Science	Academic Staff College,	Gujarat University	02/04/2011	As resource person delivered two lectures	Sociological Perspective in Social Science research
Dr R H Makwana	International Seminar	HNG University	Patan	15-16 May 2011	Paper Presentation	Creating Excellence for Sustainable Society
	National Seminar	Anand Arts College	Anand	12-13 Mar 2011	Paper Presentation	Problems of Elderly People in Rural Areas in Anand District

	National Seminar	NSCB College	Shivani	16-17 Sep 2011	Paper Presentation	The Role of NGO in Social Change through Panchayati Raj
	National Seminar	HNG University	Patan	26-26 Sep 2011	Paper Presentation	Technology and Society: Issues and Challenges
	AISS National Conference	JNU	Delhi	11-13 Dec 2011	Paper Presentation	Terrorism related Crime
	International Seminar	CID & NRGF	VVNagar	9-10 Feb 2012	Paper Presentation	Profile and Problem of NRI Marriage
	State Level Seminar	CNPF College	Dahod	06/01/2011	Paper Presentation	Rural Development in Gujarat
Dr I M Macwan	AISS National Conference	JNU	Delhi	11-13 Dec 2011	Paper Presentation	Religion as a Social Contract
	National Seminar	Arts & Commerce College	Vaso	3-4 Feb 2012	Resource Person	Child Security and Human Rights
	National Seminar	Arts & Commerce College	Vaso	3-4 Feb 2012	Paper Presentation	Kinnaro-Third Gender and Human Rights
	National Seminar	H M Patel Institute	VVNagar	10-11 Mar 2012	Participant	-
	International Seminar	Centre for Indian Diaspora	VVNagar	9-10 Feb 2012	Presentation of Paper	Impact of Diaspora on Education System
	State Level Seminar	Dr Babasaheb Ambedkar Chair	---	04/02/2012	Presentation of Paper	Dr Ambedkar as a Social Reformer

DEPARTMENT OF HINDI

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr N K Chauhan	Seminar	Mumbai University	Mumbai	17-18 Jan 2012	Chair Person	Vishnu Prabhakar Shatabdi Varsh
	Seminar	Department of Education Gujarat University	A'bad	11/01/ 2012	Chair Person	Adhunik Hindi Natak Ki Path Prakriya
	Seminar	UGC	Varanasi	14-16 Jan 2012	Paper Presentation	Itihas, Adhunikta Aur Natak
	Seminar	Panjabi University	Patiyala	14-25 Jan 2012	Chif Guest	Hindi Natak Ki Alochana
	Seminar	MS University	Baroda	10-11 Feb 2012	Paper Presentation	Sahitya Aur Cinema
	Tefresher Course	Dr B A M University	Aurangabad	13-14 Feb 2012	Resource Person	Natak - Rangmunch
DR D S Tripathi	Refresher Course	UGC Training Programmee	ASC Gujarat University, Ahmedabad	6-7 Jun 2011	Resource Person	Sahityik Prayuktiyan Bhakti Kavya : Nai Drushti
	High School and Inter Med.	Hrd New Delhi Kendriy Hindi Sansthan Ahmedabad	RGAS High School, Vapi	26 Sep	Chair Person	Shiksha Ka Navinikaran
	Bhartiyabhasha Bhavan Me Ram Katha (Seminar)	Sanskrit Sahitya Akadmi, Gandhinagar	SV Arts College Ahmedabad	02/10/ 2011	Resource Person	Hindi Kavita Main Ram Katha
	Ramchand Aur Pannalal Ka Patel	Gujarat H A Gandhinagar	N S Patel Arts Anand	08/01/ 2012	Resource Person	Premchand Aur Pannalal Patel Ki Kahaniya : Samajik Sarokar
	Agyey National Seminar	Gujarat Hindi Sahitya Akadmi Gandhinagar	R B Maha. Ahmdabad	10/01/ 2012	Resource Person	Agyey Ka Parvar Aur Asadhy Vina

	Kedarnath Agraval Janm Shata Varsh	Gujarat Hindi Gandhinagar	C B Patel Arts College Nadiad	21/01/2012	Resource Person	Kedarnath Ki Kavita Ka Rachnatmak
	Pragatishil Sahityakar Shamsheer	Gandhinagar	Pragatishil Lekhak Sang. Ahmdabad	11/03/2012	Resource Person	Shamsheer Ki Kavya Sarjnatmak
	Hindi Ke Swatantortar Gramkendri Upnyas	Gujarati Hindi S Akadmi Gandhinagar	Arts College Radheja	17/03/2012	Resource Person	Swatantrottar Framkendri Upnyas
	KCG Training Capability College Teachers	Government of Gujarati Dept of Education	Ahmdabad	12/01/2012	Resource Person	Kabeer Kavya : Naye Sandarbha
DR M M Sharma	Exam Workshop	Bhavnagar Anand Arts Cll	B'nagar	06/09/2011	Resource Person	---
	International University Translation Workshop	Anand Arts	Anand	19/12/2011	Resource Person	---
DR H M Parmar	National Seminar	Hindi Sahitya Akadmi Gandhinagar	Anand	08/01/2012	Participant	---
	National Seminar	N S Patel Arts College	---	---	---	---
	National Seminar	C M Patel Com. Anklav	Anklav	3-4 Feb 2012	Participant & Paper Presentation	Mohan Rakesh Ke Kathashahitya Main Manavjivan Ki Samasyon Ka Nirupan
	Refresher Course	Academic Staff College Rajkot	Rajkot	5-25 Mar 2012	Participant	--
DR S R Rathod	Jansanchar Madhyam	Hindi Sathitya Akadmi	Jetpur	4-5 Feb 2012	Presentation of Paper	Jansanchar Madhyam Aur Hindi Bhasha

DEPARTMENT OF GUJARATI

Name of the Teachers	Theme of the Seminar/ Conference/ Workshop/ Refresher Course/ Orientation Course/ Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/ Chair person/ presentation of Paper/Poster/ Participant etc)	Title of the Paper/Poster
Dr P D Pandya	Seminar: Panalal Patel	Madhya Gujarat Adhyapak Sangh	VVNagar	14/08/2011	Participation	-
	Sahitya Ane Film	Sahitya Akadami	Anand	23/03/2011	Resource Person	Film
	Research Project (Work Shop)	KCG	A'bad	12/01/2012	Resource Person	Research Project
Dr P R Pathak	Meghani Zaverchand	New Progressive College of Teacher Education	Mahesana	31/01/2012	Resource Person	Zaverchand Meghani: Charitra Sahitya Ane Natak
Dr B R Brahmbhatt	Net Workshop	UGC	New Delhi	24-29 Sep 2012	Resource Person	Examination
Dr M H Patel	Navalkathakar Panalal Patel	UGC National Level	Mumbai	Aug 2011	Paper Reading	Navalkathakar Panalal Patel

(3) LECTURES ORGANIZED BY THE UNIVERSITY

(A) Shri Ishwarbhai Ambalal Patel (Shertha) Visiting Professor/Fellow Programme:

Statement showing the expenditure incurred during the year 2010-11 towards I A PATEL (SHERTHA) Visiting Professorship Programme for the Departments of : (1) Physics, (2) Bio-Sciences, (3) Materials Science, (4) Mathematics, (5) Business Studies, (6) Gujarati, (7) Computer Science and Technology (8) MBA

Sr. No.	Name of the Department	Name & Address of the experts/eminent persons invited	Topics/Subject of Lectures delivered	Date of Lecture/S arranged
1.	Physics	Dr Sujit K Basu, Sr Scientist, Space Application Ceruns, Isro, Ahmedabad	Oceanographic Physics Studies in modelins	08/12/2011 (1 Lects.)
		Dr A D Yadav, Professor, University of Mumbai, Mumbai	'Synthesis of surface/buried layers by ion implantoyion for semiconductor devices'	24/01/2011 (1 Lect.)
2.	Bio Sciences	Dr HarishKumar M, Department of Psychology, Miyaraki Medical College, Kihara 5200, Kyotakicho Miyazaki - 88916292 (japan)	Spiruling, Phycocyanin and biotherapies.	01/12/2011 (1 Lect.)
			Artificial Skin and wound healing	02/12/2011 (1 Lect.)
3.	Chemistry	Dr Ravi Ranjan Panday, National Physical Laboratory, Dr K S Krishnan Road, New Delhi -110 012	Importance of Nanotechnology in technological etc	13/02/2012 (2 Lect.)

		Dr U H Pandya, Dy Managar, Execl Crop Care Ltd Bhavnagar	Good Laboratory Practices Attitude	22/02/2012 (2 Lect.)
4.	Materials Science	Dr H C Bajaj, MS University, Vadodara	Carbon Nanomaterials	30/09/2011 (1 Lects.)
		Dr P M Raole, IPR, Gandhinagar	Materials Characterizatin Technician	30/09/2011 (1 Lect.)
		Mr J K Das, Naskar & Co. Hawarh (West Bengal)	Furness Materials & Construction	18/10/2011 & 19/10/2011 (2 Lects.)
5	Statistic	Prof Tushar N Desai, Associate Professor in Mechanical Engineering Department, SVNIT, Surat	Total Quality Managment-Concepts Implementation as well as the case study on it	12/10/2011 (2 Lects.)
		Mr K V Palanichamy, Director- Biostatistics and Statistical Programming In Research Data and Technologies (Pvt) Ltd., Koba- Village, Gandhinagar -382 007	Career with Biostatistics Career in SAS Programming	30/12/2011 (2 Lects.)
6.	Business Studies	Dr Sanjay Bhayani, Associate Professor, MBA Department, Saurashtra University, Rajkot	Corporate Governance: An Overview Corporate Governance and Audit Committee	28/09/2011 (2 Lects.)
		Dr N M Khandelwal, Retd Professor & Head, Department of Commerce, Saurashtra University, Rajkot	Strategic Management Accounting for Decision Making Decision Accounting Relevance of Bhagvat Geeta	26-28 Dec 2011 (3 Lects.)
7.	Gujarati	Dr Shantilal Acharya, Jamnagar	Boli Vigyan Bhash Vigyan na Sansodan	23/09/2011 (2 Lects.)
		Dr Satish Vyas, Ahmadabad	Kam Makanji kiya Chalya Sitanshu Yaschardra Likhit Natyakrutini Visharstao thattha akrutima astitavvadni charcha	18/02/2012 (2 Lects.)
		Dr Vinod Joshi, Professor, Bhavnagar Universtity, Bhavnagar	Sahity and Kala na Sandrba Anya kalao and Sahitynikala Sahityma Rasprkiyano sandrba Anya kalao and Sahityni kala	27/12/2012 (2 Lect.)
		Dr Shirish Panchal, Vadodara	Vevachani paribhash and Gujarati Vevachan	23/02/2012 (1 Lects.)
8.	Computer Science and Technology	Mr Nauzad Kapadia, Quartz System, Mumbai	NET Technology	21-22 Oct 2011 (3 Lects.)
		Shri Dipak Ray 28 Subhadra Park B/h Utkarsh Vidyalaya, Race Course Vadodara - 390 007	Emergins Trends in IT	07/02/2012 (1 Lect.)

9.	Economics	Dr Kartik M Bhatt, Professor, Gujarat University, Ahmedabad	Monetary Equilibrium Classical and Neoclassical	02/01/2012 & 03/01/2012 (3 Lects)
			Monetary Equilibrium: Modern IS-LM	
			Monetary Equilibrium: Walara's and patinlkin's	
		Dr H J Mehta, Department of Economics, M R Arts and Science college, Rejpila, D- Narmada	Meaning, Types of Public Debt. Effects of Public Debt.	02/01/2012 & 03/01/2012 (3 Lects.)
			Methods of Repayment of Public Debt.	
			Trends in public Debt in India	
Dr R A Joshi, Department of Economics, Saurashtra University, Rajkot	Financins Rural Development	31/01/2012 (1 Lect.)		
Dr M K Patel, Department of Commerce, Bhavnagar University, Bhavnagar	Management Structure of Co-opratives	31/01/2012 (2 Lect.)		
	National Co-operative Policy			
10.	MBA	Dr Ram Krishna Vyas, Professor, International Institute of Professional Studies, Devi Ahilys University, Indore (MP)	Strategic Banking Management	24-26 Dec 2012 (3 Lects.)
			Strategic Management	
			Strategic Financial Management	
11.	Mathematics	Prof S K Vaidya, Department of Mathematics Saurashtra University, Rajkot	Graph Theory: Introduction and Applications	06/03/2012 (2 Lects.)

(B) UGC SCHEMES

(I) GRANT SANCTIONED BY THE UNIVERTSITY GRANTS COMISSION, NEW DELHI

1. University Grants Commission, New Delhi has sanctioned Additional Assistance to University during XI Plan period with total grants of ₹ 200.00 Lacs.
2. University Grants Commission, New Delhi has sanctioned Special Assistance Programme(SAP-III) DRS - II Programme to the MBA Department for the period of 5 years (2011-16) with the total grants of ₹ 33.00 Lacs with one Project Fellow.
3. University Grants Commission, New Delhi has sanctioned Centre of Advance Study (CAS-I) Programme to the Department of Economics for the period of 5 years (2011-16) with the total grants of ₹ 50.50 Lacs with two Project Fellowes.
4. University Grants Commission, New Delhi has sanctioned Centre of Advance Study (CAS-I) Programme to the Department of Chemistry for the period of 5 years (2011-16) with the total grants of ₹ 123.00 Lacs with two Project Fellowes.
5. University Grants Commission, New Delhi has sanctioned One Time Grant to Faculty Professor of Science Department of various University under UGC-BSR Scheme to Dr Datta Madamwar, BRD School of Biosciences with the total grants of ₹ 7.00 Lacs.

(II) COMMISSION HAS APPROVED VARIOUS MAJOR/MINOR RESEARCH PROJECT TO THE UNIVERSITY TEACHERS AS SHOWN UNDER:-

MAJOR RESEARCH PROJECT

Sr. No.	Name of the Teacher	Title of the Project	Period	₹ (Lacs)
1.	Dr L M Manocha Department of Materials Science	Development..... nano-composites (30284)	01/07/2011 to 30/06/2014	8.50
2.	Dr (Miss) R H Patel Department of Materials Science	Studies on flame resin system (30201)	01/07/2011 to 30/06/2014	9.69
3.	Dr M N Patel Department of Chemistry	Evaluation ofmetallonucleuses (30323)	01/07/2011 to 30/06/2014	8.51
4.	Dr N V Sastry Department of Chemistry	Nanoaggregates.... hydrogeis (30283)	01/07/2011 to 30/06/2014	8.64
5.	Dr H C Trivedi Department of Chemistry	Photo-Induced sodium alginate (30301)	01/07/2011 to 30/06/2014	11.22
6.	Dr P C Vinodkumar Department of Physics	Study of the strong..... quarks (30325)	01/07/2011 to 30/06/2014	7.57
7.	Dr K C Patel BRD School of Biosciences	Curdlan and lipase applications (30305)	01/07/2011 to 30/06/2014	10.56
8.	Dr U B Trivedi BRD School of Biosciences	Utilization of of these PHA's (30309)	1-7-2011 to 30-6-2014	7.73
9.	Dr Pinakini Pandya Department of Gujarati	Cross cultural.....folktales (30146)	01/07/2011 to 30/06/2013	5.89
Total ₹				78.00

3.5 AWARDS AND RECOGNITIONS

(A) ACHIEVEMENTS OF TEACHING STAFF

The quality of the academic work being carried out can be judged from the awards and recognitions earned by our faculty so far. These include Fellowship of professional bodies like National Academy of Sciences and Gujarat Science Academy, National and International Visiting Fellowships and Professorships, IUCAA Fellowships, Commonwealth and DAAD Fellowships, awards and prizes like Homi Bhabha Award, Ramanujan Prize, Hari Om Ashram Awards, GUJCOST Vikram Sarabhai Awards, Sahitya Academy Prizes, Editorship of research journals, Bharat Jyoti Award, and Radhakrishnan Award for Excellence in Higher Education.

Kudos to 6 of our colleagues who worked during the last five years as Vice Chancellors/Pro Vice Chancellors of various universities – Professors Naresh Ved (Saurashtra University, Gujarat University, Bhavnagar University), Mahesh Yagnik (Saurashtra University), Amrapali Merchant (Dr Baba Saheb Ambedkar Open University), H C Trivedi (former Vice Chancellor of Bhavnagar University), Dr Manoj Soni (former Vice Chancellor of the MS University of Baroda and present VC of Dr Baba Saheb Ambedkar Open University), and Prof N K Patel (Pro-Vice Chancellor of Gujarat University). The University takes pride in the achievement of these learned professors. The University

also takes pride in the fact that it has been declared one of the three best universities of India along side the University of Pune and Manipal University; and the then Honorable Vice Chancellor Dr Pravin J Patel was awarded the IBM Inspiring Vice Chancellor of the year award 2005. This was during the Second Annual Conforace, EDUCON, 2005 Organized by IBM and SAKAL at Hydaradad during 12-14 Aug 2005.

Sardar Patel University looks forward to contributing further to the formulation of policies in Materials Science through Professor L M Manocha whose appointment to the Council and election as President of the Section of Materials Science by the Indian Science Congress Association (ISCA), Kolkata for the year 2013-14 automatically authorizes him to perform the responsibility of monitoring development of the discipline on its behalf.

The recognition gained by our faculty include office-bearer ships and memberships of policy planning and implementation committees of Government agencies like UGC, DAE, NBHM, DBT, DST Sahitya Academy, various universities in Gujarat and outside professional organizations, peer reviewer ship of research journals etc.

The following described the reorganization and award on by our faculty in the year 2011-12

(A) NAME OF THE FELLOWSHIPS/HONORS/RECOGNITION/AWARDS/ANY OTHER OUTSTANDING ACHIEVEMENT OF THE TEACHERS OF THE DEPARTMENT IN 2011-12

DEPARTMENT OF BIO-SCIENCES

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Prof Datta Madamwar	I have been awarded 'UGC-BSR One Time Grant' by UGC, New Delhi

DEPARTMENT OF CHEMISTRY

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr D I Brahmhbhatt	I was 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
Dr N J Parmar	Received an India International Friendship society, New Delhi's SHIKSHA RATTAN Award
	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
	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 V Y T PG College, Durg (CG)
Dr M P Patel	Biography published in Marquis Who's Who in the World 2011

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr D B Choksi	Honored with inclusion of a biographical-note in 'Asian Admirable Achievers', Vol. VI, published by Rifacimento International, Mar, 2012
	Honored with inclusion of a biographical-note in the 'Asia/Pacific Who's Who', published by Rifacimento International, 2011 (Vol. XI)

DEPARTMENT OF ELECTRONICS

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr (Mrs) Shahera S Patel	Syndicate at its meeting held on 19/03/2011, on the recommendation of the board of Post-graduate Studies & Research has granted the Recognition as a PhD Guide in ELECTRONICS Subject, Sardar Patel University
	Included in the Reviewer Panel of Elsevier Editorial System (TM) for Sensors & Actuators :B Chemical Manuscript Draft for (i)Manuscript No. : SNB –D-11-01623 (ii)Manuscript No. : SNB – D- 11-00770
	Reviewed the Research Paper - Manuscript No. MSSP – D -12-00008 of Elsevier Editorial System (TM) for Materials Science in Semiconductor processing

DEPARTMENT OF HOME SCIENCE

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr V H Patel	First prize in poster presentation on Protective effect of Green Tea and Black Tea extract on In vitro DNA Damage at The National Seminar on Functional Foods: Managing Health in the Modern Age organized by The PG Department of Home Science, Sardar Patel University, in Oct 2011
Dr Rema Subhash	Second prize in poster presentation on Biochemical and Molecular Methods for Isolation and Identification of <i>E. Coli</i> from Milk based product- Rabri at The National Seminar on Functional Foods : Managhing Health in the Modern Age. Organized by The PG Department of Home Science, Sardar Patel University in Oct 2011
Ms Viraj Roghelia	Third Prize in oral presentation on Antioxidant & Nutrition Profile of organic & conventional turmeric in Innovation in Science-SPURSM Two day symposium organized by Sardar Patel University in Jan 2012

DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Prof L M Manocha	Elected as academician for World Academy of Ceramics-2012
	Editor of Eurasian-Techno Chemical Journal of Chemical Science
	Vice-President of Gujarat Science Academy
	Vice-President of Indian Carbon Society
	Executive Member on Indian Ceramic Society
	Chairman of MRSI (Gujarat Chapter)
	SAP advisory Committee of Department of Physics, BHU, Varanasi, Department of metallurgy & Materials Science, IISc. Bangalore etc and on other various committees of UGC
	Advisory Committee of CGCRI, Naroda Campus, Ahemadabad
	Chairman of the Committee on Ceramics Education & Training Program for the Industries of Gujarat
	Expert Member on various committees setup by UGC and DST
	Editor of Bulletin of Carbon Science (Korea)
Editor of Russian Journal- Composites and Nanostructures(Russia)	
Prof (Mrs) S Manocha	MRSI Medal Prize-2011 by Materials Research Society of India
	Sardar Patel International Award-2011 by International Sardar Vallabh Bhai Patel Foundation for Life time Achievement in Excellence in Technology Development
	Executive member of Indian Carbon Society
	Editorial member of Pragna Journal
	Executive member of MRSI –Gujarat Chapter

	Convener of College Development Council (CDC), SP University
	Chairperson of the Committee on Futuristic Research Work in Traditional Ceramics set up by CGCRI
	Expert on UPE, UGC, New Delhi committee
	Member on Technology Development organized under, Vibrant Gujarat

DEPARTMENT OF MATHEMATICS

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
S J Bhatt	Fellow of Indian Academy of Sciences since Dec 2009
	Fellow of Gujarat Science Academy
R D Mehta	Fellow of Gujarat Science Academy

DEPARTMENT OF PHYSICS

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Prof U H Patel	Two of our research papers entitled: Docking Studies few pyrrole derivatives using HEX by Rinkesh A Barot and Urmila H Patel
	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 and 1-(3-(2-(benzyloxy) -6-hydroxy-4-methylphenyl)-5-(3, 5-bis (trifluoromethyl) phenyl)-4, 5-dihydro-1H-pyrazol-1-yl)propan-1-one By U H Patel, V M Barot, S A Gandhi, N V S Varma, R D Modh at research student meet under interdisciplinary area have been recognized and awarded the first & third best presentation
Dr N K Bhatt	Judge in Poster presentation at one-day seminar on The New Horizon in Energy Conservation on 14/12/2011 at NVPAS, V V Nagar

DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr C K Sonara	Rashtra Gaurav Award – 2011 – By Yuva Samuh Prakashan, Agrasen Press, Shivaji Chowk, Vardha (Maharashtra)

DEPARTMENT OF MBA

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr Raju M Rathod	Secured Second rank (Faculty Category) in Easy Competition organized by Sardar Patel University on World Class University

DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr S R Prabhakar	Best Citizen Award 2011

DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr R H Makwana	Dr Ambedkar Award and One Lakh rupees by Government of Gujarat, 2011

DEPARTMENT OF ENGLISH

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr J H Khan	Member, Editorial Review Board for Literature and Language, Scientific

	Journals International, New York, ISSN 1556-6757
	Member, Editorial Advisory and Review Board, International Journal of Academic Research (IJAR), Azerbaijan, Baku, ISSN 2075- 4124
Mr P B Raval	Member, Advisory Board, Abraham Lincoln Abroad, International Lincoln Association, International Lincoln Center, Louisiana State University in Sheverreport, USA

DEPARTMENT OF GUJARATI

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement
Dr B R Brahmhatt	Gujarat Sahitya Akadami: Parkruti Parva Award

(B) SPECIALLY RECOGNIZED DEPARTMENTS

Department of Bioscience UGC – SAP Department UGC COSIST Department DST – FIST Department DBT-IBT Department	Department of English UGC – SAP Department
Department of Chemistry DST – FIST Department Centre of Potential for Excellence in Polymer Science	Department of Political Science Government of Gujarat Centre of Excellence for Ethics in Politics and Public Administration
Department of Materials Science UGC Centre for Advanced Studies DST – FIST Level II Department GUJCOST Centre of Excellence in Nonmaterial DBT-IBT Department	Department of Business Studies UGC – SAP Department
Department of Physics DST – FIST Department	Department of Mathematics UGC - SAP - DRS Department DST – FIST Department DAE – NBHM – Regional Library
Department of Statistics UGC – SAP Department DST – FIST Department	

(C) FELLOWSHIPS

1. Prof L M Manocha (Materials Science), FNASc, FGSA
2. Prof (Mrs) S L Manocha (Materials Science), FGSA
3. Prof A R Jani (Physics), FGSA
4. Prof K N Joshipura (Physics), FGSA
5. Prof Vinodkumar (Physics), FGSA
6. Prof R M Patel (Chemistry), FGSA
7. Prof D K Raval (Chemistry), FGSA
8. Prof J D Joshi (Chemistry), FGSA
9. Prof H C Trivedi (Chemistry) FGSA
10. Dr M P Patel, (Chemistry), FGSA
11. Prof Datta Madamwar (Boisciences), FGSA
12. Prof K S Rao, (Bioscience) FGSA
Prof K C Patel, (Bioscience) FGSA
13. Dr R Subramanim, (Bioscience) FGSA
14. Prof Kiran Kalia (Bioscience), FGSA
15. Dr V R Thakkar, (Bioscience) FGSA
16. Prof S J Bhatt
17. (Mathematics), FASc, FGSA
18. Prof R S Tickekar (Mathematics), FGSA
19. Prof R D Mehta (Mathematics), FGSA
20. Prof D B Choksi (Computer Science), FGSA
21. Prof Dr N V Sastry (Chemistry), FGSA

3.6 CONSULTANCY

(1) INDUSTRIAL CONSULTANCY

DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Name of Organization	Type of Consultancy (With area)	Period (Date)
Prof L M Manocha	Schutz Electrocarbons	Testing & Characterisation	2011-12
	Suzlon Energy Ltd, Baroda	Testing	2011-12
	Kemrock Industry and Export Ltd, Halol, Baroda	Testing	2011-12
	Bhukanwala, Navsari	Chemical Ananalysis	2011-12
Prof (Mrs) S Manocha	Environ Care Products, Noida	Chemical Analysis & Testing	2011-12

DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Teacher	Name of Organization	Type of Consultancy (With area)	Period (Date)
Dr S D Mishra	GACL (All Teachers)	CSR	3 Months
	Pratham (Ms S Adhikary)	MoU – Education	

Name of the Teacher	Name of Organization	Type of Consultancy (With area)	Period (Date)
Dr J H Khan	Information Technology Centre, Mogri	Communication Skills in English	1999 Onward
	Sarvodaya Kelavani Samaj, Rajkot	English Language, Literature and Pedagogy	2003 Onward
	Anand Institute of Management Sciences, Bakrol	Member, Advisory Board	2004 Onward

(2) ACADEMIC CONSULTANCY

Teachers in almost all the University Departments have been providing Honorary Academic Consultancy to Gujarat Textbook Production Board, various Research Journals as reviewers and referees on Editorial Boards, various funding agencies and Universities. They are also actively engaged in academic consultancy through involvement in various committees in academic organizations. The details for the year 2011-12 are as under:

DEPARTMENT OF BIOSCIENCES

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Prof Datta Madamwar	I am a member of review committees at University such as LIC, On the spot committee
	Guest Editor of Special Issue BIOCATALYSIS of Bioresource Technology, Elsevier

R B Subramanian	Took active part in setting questions for BSc and MSc examinations and assessment. Worked as a moderator for BSc Biotechnology papers.
T V Ramana Rao	Member of SAP Advisory Committee
	Member, Library Committee of Biosciences Department
	Member, Board of Studies of Biosciences, Sardar Patel University
	Secretary, SPUBS Alumni Association
	Incharge Teacher, SPUBS
	Vice-president, SPUTA
Dr U B Trivedi	Gujarat Government Nominated Syndicate Member of Sardar Patel University for term Apr 2012-15
Dr M Nataraj	SPUBS (Sardar Patel University Biological Society) teacher incharge
	MSc Dissertation:(1) MSc Biochemistry : 03 students (2) MSc Biotechnology: 02 students
Dr J S S Mohan	Member in syllabi framing committee for SYBSc & TYBSc (Biology, Botany, Genetics) under CBCS system
	Member in syllabi framing committee for MSc Botany under CBCS system
Dr A S Reedy	In-charge: for the Men's Hostel-II (Nehru Hall) and many renovation works were undertaken
	Member of Board of Studies, Biosciences subject
	Participated in syllabus revision committees for UG & PG (Botany course)

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12

Name of the Teacher	Impact
Prof Datta Madamwar	Member of Advisory Committee as UGC Expert Nominee of Department of Microbiology, MS University, Vadodara
	Department of Microbiology, Kakatiya University, Warangal
	Department of Biochemistry, Shivaji University, Kolhapur
	Department of Biosciences, Veer Narmad South Gujarat University, Surat
	Member of Biotechnology Council of Government of Gujarat, Gandhinagar
	Member of Governing Body of Gujarat State Biotechnology Mission, Gandhinagar
	Member of Technical Board of Gujarat State Biotechnology Mission, Gandhinagar

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Prof Datta Madamwar	Member of Task Force Committee of Biotechnology of Biodiversity Conservation and Environment	Department of Biotechnology, New Delhi	Government of India
	Member of Governing Body of GSBTM	Gujarat State Biotechnology Mission, Gandhinagar	Gujarat State Government
	Member of Council of Biotechnology of Government of Gujarat	Government of Gujarat, Gandhinagar	Gujarat State Government

	Member of Technical Board of GSBTM	Gujarat State Biotechnology Mission, Gandhinagar	Gujarat State Government
	Member of Programme Advisory Committee of International Cooperation in the area of Life Sciences of Department of Science & Technology	Department of Science & Technology, New Delhi	Government of India
Dr K S Rao	Member	International Association of Wood Anatomist	Academic
AVRL Narasimhacharya	Member	SP University	Faculty of Science
R B Subramanian	Fellow	Gujarat Science Academy	Academic
T V Ramana Rao	Life Member	Indian Botanical Society (IBS)	---
	Life Member	Gujarat Biosciences Society	---
	Life Member	Indian Society for Plant Physiology	---
	Life Member	Indian Association for Air Pollution Control	---
	Life Member	Association of Biotechnology and Pharmacy	---
	Member	Asia-Pacific Chemical, Biological & environmental Engineering society (APCBEES), Hong Kong	---
	Member	International Society for Applied Life Sciences (ISALS)	---
	Member	Indian Science Congress Association	---
	Member	International Society of Plant Morphologists	---
	Member	Electron Microscope Society of India	---
	Member	Sardar Patel University Teachers Association (SPUTA)	---
Dr Sujata Subhash Bhatt	Member	Society of Biological Chemists, IISc Bangalore	Academic
Dr U B Trivedi	Member	Association of Biotechnology and Pharmacy, Nagarjuna University, AP	Academic
	Joint-Director	C C Patel Community Science Center, Vallabh Vidyanagar	Academic
Dr J S S Mohan	Member	Faculty of Science, Sardar Patel University, V V Nagar	Academic

	Member	Board of Studies in Biosciences, Sardar Patel University, VVNagar	Academic
	Member	Board of Studies in Botany, MS University, Baroda	Academic
	Member	Board of Studies in Botany, Bhavnagar University, Bhavnagar	Academic
	Life Member	Indian Science Congress Association	Academic
	Life Member	Medicinal & Aromatic Plants Association of India	Academic
Dr A S Reedy	Member, Executive Council	Indian Association for Angiosperm Taxonomy	Academic
	Advisory member	Society for Research and Initiatives for Sustainable Technologies and Institutions (SRISTI), Ahmedabad	NGO

DEPARTMENT OF CHEMISTRY

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr N J Parmar	College/University/Institution: Team work plays a key role for over all progress of any organization, parallel to self development. and without developing ourselves we can not contribute much to the progress of the university, although we believe in team work. I have finished two research projects under the UGC Scheme of minor research project; one in 1999-2000, of one year, and second in 2005-06, of two years. I am presently working on third research project, sanctioned for 2011-14 (three years) under the UGC Scheme of Major Research Project, New Delhi. A few portions of the work from completed projects have been appeared in some leading scientific research journals of international repute. During my visits to various academic places, I always remain keenly interested to learn the new aspects of the subject to benefit my institute.
	Co-Curricular activities: Render my service to take part in various departmental activities like arranging programs under chemical society ie blood group donation camp, various competitions, sports activities. Also the seminar, conferences, symposium, refresher courses etc
	Enrichment of Campus Life (hostels, sports, games, cultural activities): Involved in sport activities, youth festival and other various competitions at departmental and university level
	Students Welfare and Discipline: Inspire students to solve their practical difficulties. Guide them with better prospects in the field. Also support the campus interview by expert from well known industries for selecting our students for their firm.
	Professional Organizations of Teachers: a member of the Sardar Patel University Teacher Association (SPUTA)
Dr J H Trivedi	Association of Carbohydrate Chemists and Technologists (ACCT), India- Life Member
	Asian Polymer Association (APA) – Life Member
	National Workshop on Frontiers in Chemical Sciences & International Year of Chemistry Celebration-2012 during 2 th -4 th , 2012 – Local Organizing Committee Member

	Board of Studies of Industrial Chemistry, Sardar Patel University - Member
Dr S S Soni	Apart from these, actively involved in the preparation of resenatation/reports of department for committees like NAAC, SAP, CEAP etc
	One of the committee member for updating and maintaining Website of Chemistry department
	Worked as organizing committee member in National Workshop on Combined Application of Spectroscopy organized by our department during 17–19 Feb 2011
Dr M P Patel	Besides the regular duties of teaching and research, I have served in various committees formed for conducting entrance test, chemical society activities and annual day functions etc
	One of the committee members of Programming and Framing of the schedule of teaching and other related aspects
	One of the committee members of Placement Cell of the department
	One of the selection committee members of the UGC Meritorious students Research Fellowship

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr D I Brahmhatt	Member of board of studies in chemistry	Sardar Patel University	Academic
Dr M N Patel	Member board of studies	Saurashtra university, Rajkot	Academic
Dr N J Parmar	Member	Board of study, SP University Vallabh Vidyanagar	Academic
	Member	Sardar Patel University Teacher Association	Academic
	Member	Advisory board of SC/ST cell, SP University	Academic
Dr K H Patel	Member	Board of study, SP University Vallabh Vidyanagar	Academic
Dr S S Soni	Life membership	Indian Society of Analytical Scientists	Academic
	Life membership	Indian Society for Radiation and Photochemical Sciences	Academic
Dr M P Patel	Life Member	The Society for Polymer Science (SPS), New Delhi, India	Academic
	Life Member	Indian Council of Chemist (ICC), Agra, India	Academic
	Life Member	The Indian Society of Analytical Scientist, India (ISAS)	Academic
	Life Member	Society for Materials Chemistry, India	Academic
	Member	Board of Study (Chemistry)	Academic
	Member	The committee to reframe the syllabus for MSc Chemistry	Academic
	Member	The committee to reframe the syllabus for MSc Chemistry as per CBCS	Academic
	Executive Member	Sardar Patel University Teacher Association (SPUTA)	Non-Government
	Vice President	JCI Milkcity, Anand	Non-Government

	Executive Member	17 Gam Patidar Samaj, Anand	Non-Government
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DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

(a) Contribution of the Teachers of the Department/College/Centre/Institute to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr D B Choksi	worked as a Chairman of the Board of Studies for Computer Science at the Sardar Patel University.
	worked as a Co-ordinator of the UGC Sponsored Refresher Course in ICT Applications during 31/10/2011 to 20/11/2012 organized by the UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar.
	contributed as a chairman of the committee for framing the new syllabus under CBCS for BCA programme at the Sardar Patel University.
	worked as a member of the Advisory Committee of N V Patel College of Pure & Applied Science, Vallabh Vidyanagar.
	worked as a member of the local inquiry committees for affiliation of self financed programmes run by various colleges of the university.
	worked as a Coordinator of the central assessment work of MCA/PGDCA/MSc(Bioinformatics) examinations of the university.
	worked as a member of the Advisory Committee of Two Day Symposium on Innovations in Science – SPU Research Scholars Meet (ISSPURSM-2012) organized by S P University in association with Gujarat Science Academy, 08–09 Jan 2012.
	worked as a member of the Advisory Committee of the National Workshop on Research Methodology : A Mar Towards Creating Quality Through Research (NWCQTR), organized by SP University and The Knowledge Consortium of Gujarat, Gandhinagar, during 12–14 Mar 2012.
Dr P V Virparia	Acted as a coordinator in the State Level Programming Contest (Feb 2012)
	Actively participated in organizing the State Level Quiz Contest (Feb 2012)
	Worked as a judge in the Paper Presentation Competition held at N V Patel College of Pure and Applied Science, VV Nagar on 30/07/2011.
	Worked as a judge in Programming Competition held at V P & R P T P Science College, VV Nagar on 31/01/2012.
	Worked as a judge in Web Designing Competition held at V P & R P T P Science College, VV Nagar on 31/01/2012.
	Worked as a judge in ‘Best System’s Idea Competition held at SEMCOM College, VV Nagar on 26/01/2012.
	Worked as a judge in ‘C’ Programming Competition & Web Designing Competition at G J Patel College of Management & Technology, VV Nagar on 02/02/2012.
	Worked as a judge in Paper Presentation Competition held at Christ College, Rajkot on 29/01/2012.
	Worked as an expert member in Admission Competitive Test held at SEMCOM College on 22/05/2011.
	Worked as a committee member for PhD admission process at R K University on 26/11/2011
Provided support to senior students of the department in in-house project development.	
Act as a resource person for DOEACC, New Delhi.	
Dr P S Sajja	Actively participated in organizing the State Level Quiz Contest (Feb 2012) and State Level Programming Contest (Feb 2012).

	Worked as a judge in the Paper Presentation Competition held at N V Patel College of Pure and Applied Science, V V Nagar on 30/07/2011.
	Competition at G J Patel College of Management & Technology, V V Nagar on 02/02/2012.
	Provided support to senior students of the department in in-house project development.
	Act as a resource person for DOEACC, New Delhi.
	Worked as an organization committee member for Workshop on Bioinformatics on 28–30 Aug 2011.
	Worked as a member in departmental: Project Monitoring, ommittee, Library maintenance committee, Entrance test committee.
Dr D M Shah	Worked as an organization committee member for Workshop on Bioinformatics on 28–30 Aug 2011.
	Worked as a member in departmental: Project Monitoring, ommittee, Library maintenance committee, Entrance test committee, Budget preparation committee.
	Actively participated and worked as a team member in organizing lecture series on various topics.
	Acted as resource person in state level programming contest at Computer Science department, SPU.
	Act as a resource person for DOEACC, New Delhi in, as a paper setter and as an examiner.
	Worked as a judge in the Poster Presentation Competition held at N V Patel College of Pure and Applied Science, V V Nagar on 30/07/2011.
	Provided support to senior students of the department in in-house project development.
Mr B B Patel	Provided technical support in conducting Computer Data Entry Test for those filtered applicants who have applied for Junior-cum-Typist position in Sardar Patel University (during Mar 2011).
	Web site maintenance Committee, Working as a Placement Co-ordinator for G H Patel PG Department of Computer Science and Technology.
	Provided support as a resource person for DOEACC, New Delhi in, as a paper setter and as an examiner.
	Acted as a coordinator in the State Level Programming Contest (Feb 2012).
	Actively participated in organizing the State Level Quiz Contest (Feb 2012)
	Worked as an expert member in Admission Competitive Test held at SEMCOM College on 22/05/2011.
	Playing role as a committee member in following departmental committee : Project Monitoring Committee, Library Purchase Committee, Anti-ragging Committee, Purchase Committee
Mr J V Smart	Acted as a coordinator and quiz master in the State Level IT Quiz Competition organized jointly by the Computer Society of India (Vallabh Vidyanagar Chapter) and the Department of Computer science and Technology (Feb 2012).
	Acted on the judges' panel in the Inter-collegiate C Programming Competition organized by the Anand Mercantile College of Science, Management and Computer Technology, Anand on 7/01/2012.
	Member of the Academic Board of Studies for Computer Science, Sardar Patel University, Vallabh Vidyanagar.
	Worked as a member of the Library Committee of the Department.
	Worked as a member of the Purchase Committee of the Department.
	Worked as a member of the Website Maintenance Committee of the Department.

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12

Name of the Teacher	Impact
Dr D B Choksi	Dr D B Choksi contributed as a Chairman of the committee for framing the new syllabus under CBCS for BCA programme at the Sardar Patel University.
	Dr D B Choksi worked as a member of the advisory committee of the N V Patel College of Pure and Applied Sciences, VV Nagar.
	Dr D B Choksi worked as a member of Research Committee at SP University, Charusat, Changa, DD University, Nadiad, Ganpat University, Kherva.
	Dr D B Choksi worked as a member of the Board of Studies in Computer Science at Charusat, Changa, DD University.
Dr P V Virparia	Member of Board of Studies, Computer Science, S P University, Bhavnagar University, Bhavnagar
	Member of Research Committee at S P University, Saurashtra University, Charusat, Changa, R K University, Rajkot, Uka Tarsadia University, Bardoli.
Dr P S Sajja	Member of Board of Studies, Computer Science, S P University.
	Member of research committee, Gujarat Technical University.
Dr D M Shah	Member of Board of Studies, Computer Science, S P University, Bhavnagar University, Bhavnagar.
	Member of Research Committee at S P University.
Mr B B Patel	Member of Board of Studies, Computer Science, S P University, Bhavnagar University, Bhavnagar.
	Member of computer society of India.
Mr J V Smart	Member of Board of Studies, Computer Science, S P University, Bhavnagar University, Bhavnagar.
	Member of computer society of India.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr D B Choksi	Chairman	Board of Studies in Computer Science	Academic
	Nomination Committee member	Computer Society of India, VV Nagar Chapter	Professional Body
	Advisory Committee member	Advisory committee of the N V Patel College of Pure and Applied Sciences, VV Nagar	Academic
	Editor	International Journal of Computer Science & Systems, ISSN No. : 2249-8222, DIT School of Engineering, Greater Noida. PRAJNA, published by the Sardar Patel University. National Journal of Computer Science & Technology, SV-ACRID.	Academic
	Member of Advisory Editorial Board	Research@ICT: International Journal of Information and Computing Technology	Academic
	Reviewer	National Journal of Computer	Academic

		Science & Systems	
Dr P V Virparia	Nomination Committee member	Computer Society of India, VV Nagar Chapter	Professional Body
	Editor	National Journal of System and Information Technology	
	Editor-in-Chief	International Journal of Research and Reviews in Information Security and Privacy	
	Member of Advisory Editorial Board	Research@ICT: International Journal of Information and Computing Technology	
	Member of Editorial Board :	International Journal of Computer Applications National Journal of Engineering and Science	
	Associate Editor	International Magazine on Advances in Computer Science and Telecommunications	
	Reviewer	International Journal of Advanced Research in Computer Science World of Computer Science and Information Technology Journal Universal Journal of Computer Science and Engineering Technology International Journal of Advanced Computer Science and Applications National Journal of Computer Science & Systems	
Dr P S Sajja	Associate Editor	International Journal of Computer Science & Applications, India International Magazine on Advances in Computer Science and Telecommunications, Republic of Macedonia International Journal of Computational Intelligence Techniques, UK INFOCOMP Journal of Computer Science, Brazil International Journal of Information and Computing Technology, India	
	Editorial Board Member	Soft Computing, Springer Berlin, Germany Information Sciences, Elsevier Interdisciplinary Journal of	

		<p>Information, Knowledge, and Management, USA Journal of Information, Information Technology, and Organizations, USA Scientific Journals International, USA International Journal of Computer Science & Emerging Technologies, UK International Journal of Advances in Computer & Information Engineering, India International Journal of Data Mining and Warehousing, India International Journal of Soft Computing, AIRCC International Journal of Computers and Application, Canada</p>	
	Executive Committee Membership	<p>IMPACT - 2012 - National Level Software Exhibition, Jalgaon, India 2nd International Conference on Current Trends in Technology (NUiCONE 2011), Ahmedabad, India Mobile Computing Techniques in Emerging Markets: Systems, Applications and Services, IGI Global, USA, 2011 1st International Conference on Logistics, Informatics and Service Science (LISS 2011), Beijing, China 8th International Conference on Informatics in Control, Automation and Robotics (ICINCO 2011), Noordwijkerhout, The Netherlands 13th International Conference on Enterprise Information Systems (ICEIS 2011), Beijing, China International Conference on Web Intelligence, Mining and Semantics (WIMS 2011), Sogndal, Norway</p>	
Dr D M Shah	Reviewer	The biannual journal Advances in Applied Research , published by PSGR Krishnammal College	

		for Women, Coimbatore. RESEARCH@ICT: International Journal of Information and Computing Technology ISSN 0976 – 5999	
Dr H J Panchal	Reviewer/Editorial Board Member	Working as a reviewer of research paper for Interdisciplinary Sciences: Computational Life Sciences, ISSN: 1913-2751 ISSN: 1867-1462 Journal No. 12539.http://www.springer.co m/life+sciences/bioinformatic s/journal/12539	
		Editorial Board Member of Journal of Computational Intelligence and Electronic Systems (www.aspbs.com/jcies). Published by AMERICAN Scientific Publishers (www.aspbs.com).	

DEPARTMENT OF ELECTRONICS

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr (Ms) Basumati H Patel	Member, Women's Cell, Department of Electronics
	Member, Organizing Committee of 3 rd National Conference on Condensed Matter and Materials Physics. CMMP – 2012, Mar 3-5 2012
Dr D Lakshminarayana	The corporate life at Sardar Patel University, Vallabh Vidyanagar, Gujarat, revolves around providing a wholesome education to students coming from various parts of the country and also from abroad. Based on care and concern, the corporate life is focused over providing skills and knowledge combined with social and cultural sensitivities. Accordingly, being the staff member of the Postgraduate Department, the due participation to the Sardar Patel University corporate life had taken place during the year.
Dr (Ms) Vibha S Vaishnav	Member, Women's Cell, Department of Electronics
	Worked as a Member, Convocation Committee, Sardar Patel University (2002–11)
	Worked as a Convener of Hospitality Committee during the visit of NAAC Peer team to Sardar Patel University for Reassessment (2011)
	Worked as a member in a state level meeting called by the Education Commissioner, Government of Gujarat, Gandhinagar, where the curriculum designing with a new concept of Enhancing Excellence and Employability for th UG students by incorporating the Credit System was discussed
Mr Paresh B Patel	Functioned as a Judge for the best Project work, at Two day Workshop on Frontiers of Instrumentation organized by ISTAR, Vallabh Vidyanagar on 17–18 Feb 2012.
Dr (Mrs) Shahera S Patel	Worked as a Teaching faculty at USIC and taught papers on Vacuum Technology and Analytical Instruments during I st and II nd semester-2011-12. (Taught 2 Units)

	Worked as an Internal & External examiner at Post B Sc Diploma in Instrumentation Course at USIC,SP University.
	Worked as an External examiner at MSc (Instrumentation), ISTAR, VV Nagar.
	Worked as an Internal / External examiner at MSc (Electronics) Course, Department of Electronics, SP University.
	Assigned the duty as a Committee member for 54 th convocation day held on 15/12/2011, SP University.
	Participated in various curricular activities held at the department time to time.

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12

Name of the Teacher	Impact
Dr (Ms) Basumati H Patel	Member, Advisory Committee of 2 days Symposium on Innovations in Science Sardar Patel University Research Scholars Meet (ISSPURSM – 2012) 8–9 Jan 2012 by Sardar Patel Worked as a Mentor and Member of Advisory Committee at the National Workshop on Research Methodology: A Mar towards Creating Quality through Research (NWCQTR-2012) Sardar Patel University, Vallabh Vidyanagar Member, PURSE implementation and advisory committee, supported by DST, New Delhi
Dr Sunil S Patel	Participation at the National Workshop on Research Methodology: A Mar towards Creating Quality through Research (NWCQTR-2012) Sardar Patel University, Vallabh Vidyanagar Project on Monitor and control of Greenhouse Environment By Dr Sunil S Patel & Mr Divyang B Dave
Dr(Ms) Vibha S Vaishnav	Received an Invitation from the Commissioner of Higher Education, Government of Gujarat and CEO, Children’s University (on 15/09/2011) to work as an Honourary Consultant for Research on the theme of Science and Spirituality for the Children’s University, IITE and Commission for Innovations in Education. (Letter Enclosed. Encls 13/1) The University sanctioned the appointment. As a part of the activities thereof, (a) Visited Knowledge, Sri Aurobindo International Centre of Education, Sri Aurobindo Ashram, Pondicherry and Delivered a Theme paper on Science and Spirituality 05/10/2011 (d) Studied, Prepared and Delivered talks on (1) The Great Secret – A Drama for the Arrival of New Consciousness and the Synthesis of Science and Spirituality written by The Mother on 12/08/2011 (2) Quantum Entanglement on 06/02/2012 at the Study Circle, formerly, the Vallabh Vidyanagar branch of Theosophical lodge. Received an invitation from the Vardhaman Bharti Trust, Wadhwan City to work as a mentor (ie member of the Advisory board) of the proposed University. Accordingly actively guiding for the academic growth of their institutions.(Encls. 13/2)
Mr Divyang B Dave	Participation at the National Workshop on Research Methodology: A Mar towards Creating Quality through Research (NWCQTR-2012) Sardar Patel University, Vallabh Vidyanagar Project on Monitor and control of Greenhouse Environment By Dr Sunil S Patel & Mr Divyang B Dave

DEPARTMENT OF HOME SCIENCE

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Dr V H Patel	Academic activity in-charge for PG Department of Home Science, Sardar Patel University, Vallabh Vidyanagar.
Dr Namrita Kola	Students activity in-charge during the academic year 2011-12 (for the students of PG Department of Home Science), various extra curricular activities were undertaken.
Dr Neeta R Dave	Library in-charge for PG Department of Home Science, Sardar Patel University, Vallabh Vidyanagar.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr V H Patel	Chair person	Sardar Patel University, Vallabh Vidyanagar	Board of Studies in Home Science
Dr Rema Subhash	Member	Sardar Patel University, Vallabh Vidyanagar	Board of Studies in Home Science
	External Member	MS University of Baroda, Vadodara	Board of Studies in Foods and Nutrition
Dr Namrita Kola	Member	Sardar Patel University, Vallabh Vidyanagar	Board of Studies in Home Science
	External Member	IIS University, Jaipur	Board of Studies in Garment Production and Export Management
Dr Neeta R Dave	Member	Sardar Patel University, Vallabh Vidyanagar	Board of Studies in Home Science

DEPARTMENT OF MATERIALS SCIENCE

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Prof L M Manocha	Co-ordinator of CAS II, Co-ordinator- Innovative program, Chairman of Research Advisory Board , University Purchase Committee: Member on Board of Materials Science, Chairman, University Library sub committee, member DST-PURSE Advisory committee, Member University Senate
Prof (Mrs) S Manocha	Dy co-ordinator of CAS II, member of Research Advisory Board , Purchase Committee: Member on Board of Materials Science, member on Editorial Board of Pragna, member and convener of CDC, Member DST-PURSE Program Implementation Committee
Dr (Miss) R H Patel	Member of Board of Studies on of Materials Science, Science faculty, CAS, observer, senior supervisor and as and when required.
Dr N M Batra	Chairman of Materials Science Board, Observer, Senior supervisor and as and when required.

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
	Elected as academician for World Academy of Ceramics-2012
	Editor of Eurasian-Techno Chemical Journal of Chemical Science
	Vice-President of Gujarat Science Academy
	Vice-President of Indian Carbon Society
	Executive Member on Indian Ceramic Society
	Chairman of MRSI (Gujarat Chapter)
	SAP advisory Committee of Department of Physics, BHU, Varanasi, Department of metallurgy & Materials Science, IISc. Bangalore etc and on other various committees of UGC
	Advisory Committee of CGCRI, Naroda Campus, Ahmadabad
	Chairman of the Committee on Ceramics Education & Training Program for the Industries of Gujarat
	Expert Member on various committees setup by UGC and DST
	Editor of Bulletin of Carbon Science (Korea)
	Editor of Russian Journal- Composites and Nanostructures(Russia)
Prof (Mrs) S Manocha	Executive member of Indian Carbon Society
	Editorial member of PRAGNA JOURNAL
	Executive member of MRSI –Gujarat Chapter
	Convener of College Development Council (CDC), SP University
	Chairperson of the Committee on Futuristic Research Work in Traditional Ceramics set up by CGCRI
	Expert on UPE, UGC, New Delhi committee
Member on Technology Development organized under, Vibrant Gujarat	

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Prof L M Manocha	Joint Director,	Centre for Interdisciplinary Studies in Science & Technology	Academic, Government
	Vice-President	Gujarat Science Academy	Academic
	Vice President	Indian Carbon Society of India	Academic
	Chairman, Gujarat Chapter	Materials Research Society of India	Academic
	Executive Member	Indian Ceramic Society	Academic
	Coordinator	CAS-UGC Programme in Materials Science Department	Academic
	Member	SAP advisory Committee of Bombay University, Mumbai, I.I.Sc. Bangalore etc and on other various committees of UGC	Government
	Member	Board of Directors of UGC-DAE Programmes, Indore	Government
Member	Advisory Committee of CGCRI, Naroda Campus, Ahmedabad	Government	

	Member	Advisory Committee of Materials Science of National Aerospace Laboratory.	Government
	Expert Member	Various committees setup by UGC and DST.	Academic
	Chairman	Committee on Ceramics Education & Training Program for the Industries of Gujarat	Government
	Invited Talk	Nanoscience to Nanotechnology in Construction Practice CEPT, BVM Engineering college	Academic
	Invited Talk	Indo-French Workshop	Academic
	Invited Talk	International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries	Academic conference
	Invited Talk	CII meeting,	Academic
	Invited Talk	Gujarat University	Academic
	Invited Talk	Academic Staff College	Academic
Prof (Mrs) S Manocha	Life Member	Materials Research Society of India	Academic
	Life Member	Indian Ceramic Society	Academic
	Medal Recipient	XXIII AGM, MRSI	Academic conference
	Convener	College Development Council (CDC), SP University	Academic
	Editorial member	Pragna Journal	Academic
	Executive member	MRSI –Gujarat Chapter	Academic
	Chairperson	Committee on Futuristic Research Work in Traditional Ceramics set up by CGCRI	Academic
	Expert	UPE, UGC, New Delhi committee	Academic
	Invited Talk	Knowledge Consortium of Gujarat	Academic
	Invited Talk	Academic staff colony	Academic
	Invited Talk	One day Workshop on Carbon Nanomaterials for Industrial applications	Academic
	Invited Talk	Nanoscience to Nanotechnology in Construction Practice CEPT, BVM Engineering college	Academic
	Invited Talk	National Workshop on Nanotechnology for Defence Application, SSPL-DRDO	Academic conference
	Co-PI	IFCPAR Bilateral Instruments of Co-operation in Science & Technology	Academic conference

	Invited Talk	International Conference on Energy Efficient Materials, Manufacturing Methods and Machineries for Ceramic Industries	Academic conference
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DEPARTMENT OF MATHEMATICS

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
P A Dabhi	Development and maintenance of NBHM Library in the department
	Worked as an Ex-officio for the Gymkhana activities in the department
A H Hasmani	Preparation of developmental reports of the department like, progress report for SAP, annual report of the department, developmental proposals
	working as centre coordinator for NBHM PhD Scholarship test and MA/MSc Scholarship test
	One of the reviewers of the Text Book of Mathematics for Std. XII
	Working on the departmental purchase committee
D J Karia	Development and maintenance of NBHM Library in the department
	Worked as an Ex-officio for the Gymkhana activities in the department
	Working on the departmental purchase committee
H S Mehta	Preparation of the departmental timetable
	Conduct of Internal Test in the department
	Preparation of Students Roll call
S J Ghevariya	Preparation of the departmental timetable
	Conduct of Internal Test in the department
	Preparation of Students Roll call

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
D J Karia	Member, NBHM Library Committee, Western Region

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
S J Bhatt	Member	Advisory Committee: UGC Academic Staff College, SP University	Academic
D J Karia	Member	NBHM Library Committee, Western Region	Academic
	Member	Examination Reforms Unit, SPU	Academic
	Member	Board of Studies in Mathematics, SPU	Academic
	Member	Board of Studies in Mathematics, Charusat, Changa	Academic

	Member	Technical Program Committee, CSC, SPU	Academic
	Member	Edusat Committee, SPU	Academic
	Placement Officer	University Placement Cell, SPU	Academic
	Nodal Officer	ASHE	Academic
	Member	Editorial Board, Annual Report, SPU	Academic
A B Patel	Deputy Director	UGC Academic Staff College, SP University	Academic
	Member	Board of Studies in Mathematics, SPU	Academic
	Member	Board of Studies in Mathematics, Bhavnagar University, Bhavnagar	Academic
	Chairman	Board of Studies in Mathematics, VN South Gujarat University, Surat	Academic
A H Hasmani	Secretary	VV Nagar Muslim Education Society, VV Nagar	NGO
H S Mehta	Member	Executive Committee, Gujarat Ganit Mandal	Academic

DEPARTMENT OF PHYSICS

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Prof K N Joshipura	Honorary Director C C Patel Community Science Centre SPU
Prof U H Patel	As Member of the Board of studies in Physics, Framing of CBCS syllabi for the post graduate courses and associated with the conduction of entrance tests of M Phil/PhD programme of the University.
Prof P C Vinodkumar	One of the committee member of women's cell of the university
Prof V M Pathak	Worked as organizing Secretary of National Conference on Condensed Matter and Materials Physics CMMP-12.
Prof M P Deshpande	Contribution in the examination and syllabus forming at the PG as well as UG level of the University.
Prof B Y Thakore	Participation in all academic and extra curricular activity.
Prof K D Patel	Arranged a one day seminar on 07/07/2011 Semiconductor Devices and Nano-Materials Characterisation: A Technical Seminar under the aegis of Physics Alumni Association, Department of Physics, Sardar Patel University. This seminar was sponsored by M/s Automation Systems and Engineers Pvt. Ltd., the representative of Agilent Technologies, USA.
	Worked as a treasurer for organizing the national seminar on Condensed Matter and Materials Physics, CMMP-2012.
Prof G K Solanki	Organizing secretary of national conference on Condensed Matter and Materials Physics(CMMP-2012) during 3-5 Mar 2012 at Department of Physics, Sardar Patel University, Vallabh Vidyanagar-388 120, Gujarat.
Prof S H Chaki	Performed Senior Supervision during University examination.
	Performed Senior Supervision at the Press during University examination.
	Member of Flying Squad during University examination.

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Prof U H Patel	Interdisciplinary nature of the research work focusing on synthesis of metallic complexes, X-ray crystallographic investigation, ab initio energy calculations and molecular docking study, had significantly contributed to obtain the financial support for procuring SCHRODINGER software (molecular docking) & SPS Bio-Core for protein interaction, Potentiostat under DSA, Level -1 from UGC ,New Delhi to the Department.
Prof S H Chaki	Member of Peer Team constituted by Knowledge Consortium of Gujarat (KCG) for Academic and Administrative Audit (AAA) of two colleges viz Bhavan's Arts, Science & Commerce College, Dakor and College of Education, Borsad done in the month of Nov 2011.
Dr N K Bhatt	Actively participated in CBCS Compliant Syllabus workshop during 11-12 Nov 2011, at VP & RPTP Science College, VV Nagar, which is useful to teaching and student communities.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Prof V M Pathak	Life member	Semiconductor society of India	
	Life member	Indian Physics Association	
	Life member	Indian Association of Physica Teachers	
	Life member	Materials Society of India	
Prof M P Deshpande	Life Member	Indian Association of Physics Teachers(IAPT)	Academic,Membership No. 9752, L6084 dated 30/06/2012
Prof B Y Thakore	Chairman	Indian Physics Association Vallabh Vidyanagar Chapter	
Prof G K Solanki	Treasurer	Indian Physics Association	Academic
	Chairman	Physical Society	Academic
Dr N K Bhatt	Life member of Indian Association of Physics Teacher (IAPT) [8675 L 5083]	Indian Association of Physics Teacher	Academic
	Life member of Materials Research Society of India (MRSI) [LMB 1606]	Materials Research Society of India	Academic
	Member of Board of Studies in Physics	Sardar Patel University	Academic
	Member of Faculty of Sciences	Sardar Patel University	Academic

DEPARTMENT OF BUSINESS STUDIES

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Dr P K Rathod	Expert member in the Board of Studies in Accounting and Financial Management and Board in the Faculty of Commerce, The MS University of Baroda, Vadodara from 01/09/2011 for a period of three years.
	15/09/2011: Expert member of the Research Degree Committee in the Faculty of Commerce at Saurashtra University, Rajkot.
	21/02/2012: Meeting of the Selection Committee for the Promotion under Career Advancement Scheme held at Conference Hall, Exam Section, Saurashtra University, Rajkot.
	Expert Member in the Board of Studies in Accounting and Financial Management, Faculty of Commerce, MS University of Baroda, Vadodara.
	Member on the Planning and Monitoring Board of various schemes of the UGC under plan and non-plan programmes and schemes upto 31/03/2012.
	Member on the Board of Sports and Cultural in SPU
	Member of the Finance and Establishment Committee upto 31/03/2012 in SPU
Dr Y M Dalvadi	Member of Board of Studies, Sardar Patel University, Vallabh Vidyanagar.
	Workshop/ Training Programme Conducted: Training programme on Team Building, Group Behavior and Decision Making at NSS Camp for the students of Anand Mercantile College of Science, Management and Computer Technology (Anand) on 20/01/2012.
	Work Shop on NET/SET at Smt N C Gandhi & Smt B V Gandhi Mahila Arts & Commerce College, Bhavnagar on 22/02/2012.
	Workshop on UGC NET/SET at Dr Thakorbbhai Patel's Girls Commerce College, Kelavni Trust Vadodara. affiliated to SNDT Women's University, Mumbai on 17/07/2011.
	Workshop on Preparation for NET/SLET paper II and III at P G Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar on 28/04/2011 to 04/05/2011.
	Participated in Workshop/ Training Programme: Attend training programme on Leadership and Parliamentarian at Vadodara organized by Junior Chamber International, hosted by JCI Alkarupri Chapter Vadodara on 9-10 Apr 2011.
	Attended State/National / International Level Seminar/ Conference: The UGC Sponsored National Conference on Accounting, Taxation and Economic Issues organized by R J Tibrewal Commerce College, Ahmadabad on 23/12/2011.
	State Level Seminar on Emerging Trends in Financial Reporting organized by Department of Accounting and Financial Management, Faculty of Commerce, The MS University of Baroda and Indian Accounting Gujarat Branch on 10/01/2012.
	Contemporary Issues of Accountancy and Commerce Education jointly organized by Board of Studies, ICAI and Department of Business Studies, Sardar Patel University on 18/10/2011.
	UGC Sponsored National Seminar on Research Methodology in Social Sciences Jointly organized by HM Patel Institute of English Training and Research and Centre of Studies and Research on Life and works of Sardar Vallabhbhai Patel (CERLIP), Vallabh Vidyanagar, Gujarat on 1-2 Jul 2011.

Ms D S Rohit	I have actively participated in the course preparation of MCom for the subjects Business Environment and International Business Environment under the Choice Base Credit system.
	I actively participated in all the extra curricular activities organized in the Department through out the year and had also participated and contributed to the National Seminar organized by the Department under the SAP-DRS-I
	I am also a member of Gym Khana Committee of the Department and handle the library work and handling debate and elocution activities of the department

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr S K Bhatt	Academic Counselor in IGNOU, New Delhi & Baba Sahib Ambedkar Open University at Vallabh Vidyanagar Study Centre.
	Life Member of All India Commerce Association and All India Accounting Association.
	Life Member of The Indian Institute of Public Administration (IIPA) New Delhi. (Membership No.-L 11257.)
	Working as a Joint Secretary, Indian Commerce Association for tenure of 3 years. (2012-15).
	Working as a Vice President SPUTA
Dr C K Sonara	Joint Secretary of UGC-SAP (DRS-I) for 5 years period from 01/04/2007 to 31/03/2012 in the Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr P K Rathod	Vice President	Indian Accounting Association, Gujarat Branch, Ahmedabad	Academic
	Expert Member of the Research Development Committee for PhD admission process	Department of Commerce and Business Administration, Saurashtra University, Rajkot	Academic
	Expert Member	S D School of Commerce, Gujarat University, Ahmedabad	Academic
	Member	Research Committee, Mohanlal Sukhadia University, Udaipur	Academic
	Expert Member	Board of Studies in Accounting, MS University of Baroda	Academic
	Expert Member	Board of Faculty of Commerce, MS University of Baroda	Academic
	Member of Departmental Research Committee	Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar	Academic

	President	Alumni Association, PG Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar	Academic
Dr C K Sonara	Life Member	Indian Accounting Association, Udaipur	Academic
	Executive Member	SPUTA, VV Nagar	Non-Government
	Chairman	Board of Accounting, Sardar Patel University	Academic
	Secretary	Alumni Association, PG Department of business Studies, Sardar Patel University, VV Nagar	Academic
	Organizing Secretary	National Seminar, Organize by Department of Business Studies under UGC - SAP – Programme on 28–29 Jan 2011	Academic
	Member	Gymkhana Committee of PG Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar	Academic
Dr R M Joshi	Member	Board of Studies in Commerce – SP University	Academic
	Member	Board of Studies in Commerce – Bhavnagar University	Academic
	Member	Board of Studies in Marketing – Saurashtra University	Academic
	Life Member	IIPA New Delhi	Government
	Secretary	IIPA Local Branch – VV Nagar	Government
Dr Y M Dalvadi	Treasurer	Alumni Association- Dept of Business Studies	Non-government Organization
	Treasurer	All Indian Accounting Association- Gujarat Branch	Academic Organization
Ms D S Rohit	Life Time Member	All India Commerce Association	Academic
	Life Time Member	Alumni Association of PG Department of Business Studies, Sardar Patel University	Academic
	Life Time Member	SPUTA	Academic-Teacher's Union

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Prof H J Jani	Organized all the aspects related with the visit of NAAC team for Re-accreditation of the University as a Coordinator of Internal Quality Assurance Cell (IQAC)
	Member, Planning and Monitoring Board, SP University, VV Nagar
	Member, Board of Studies, Business Management, SP University, VV Nagar
	Member, Examination Reforms Unit
	Member, Board of Studies for BBA Faculty, Dharmsinh Desai University, Nadiad
	Invited as Expert Member and also nominated as Vice Chancellor's nominee in many colleges for selection of Commerce and Management Teachers of the University.
Dr R P Patel	Coordinated UGC's Refresher course in commerce and Management organized by Staff College, Vallabh Vidyanagar during May 2011. Organised UGC (under SAP-II) sponsored National Seminar on Understanding the Indian Rural Consumer during 17-18 Feb 2012 as Seminar Coordinator Member, Faculty of Management, Bhavnagar University, Bhavnagar
	Member, Board of Studies in Commerce, Bhavnagar University, Bhavnagar
	Member, Editorial Board of Yambu Journal of Management and Research (YJMR) published by Department of Industrial Management Technology, Yambu Industrial College, Saudi Arabia.
	Member, Editorial Board of Journal of Management Synergy (ISSN -0973-922X) published by GH Patel PG Institute of Business Management, Sardar Patel University, Vallabh Vidyanagar
	Member, Editorial Board of Journal of Marketing Trends (ISSN -0976-0881) published by Institute of Public Enterprise (IPE) Hyderabad, Andhra Pradesh.
	Member, Editorial Board of National Journal of Research in Management (ISSN -2249-0906) published by Shrimad Rrajchandra Institute of Management and Computer Application (SRIMCA) Bardoli
Dr Raju M Rathod	Served as Judge in H M Patel Memorial Debate Competition on Whether Government should declare religious temple's property as public property or not, PG Department of Economics, SP University, 11/08/2011.
	Organized hand writing competition for 1 – 10 Standard students of 12 schools of Vallabh Vidyanagar under JCI VVN, worked as Project Director, 03/09/2011.
	Coordinated and performed as anchor in Baba Saheb Ambedkar Quiz Competition, 15/04/2011
	Project Director of Summer Camp organized by JCI Vallabh Vidyanagar, 02/05/2011 to 06/05/2011 (80 children participated in this summer camp consist of Painting, Craft, Training, Yoga and Entertainment games
Mr K S Prasad	Organizing Member of SP University Youth Festival
	Member as Rector of SP University MBA NRI Hostel

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr Yogesh Joshi	Presently working on preparation of District Human Development Report of Panchmahals district of Gujarat State in India in capacity of Convener of the team of experts of Sardar Patel University. This project is sponsored by the Government of Gujarat and initiated by United Nations Development Programme, UNDP.
Dr Raju M Rathod	Coordinator of One Day Orientation of UGC NET for students of Sardar Patel University in all the Science and Social Science Subjects, organized by Sardar Patel University, Vallabh Vidyanagar, 07/05/2011
	Organized NET/SLET 8 days' workshop for Paper- II and III in Commerce 28/04/2011 to 06/05/2011
	Conducted NET SLET Orientation at Business Studies Department, 17/12/2011
	Coordinate the NAAC visit at Business Studies Department during 3-6 Aug 2011
	As part of DHDR Project, our research team organized Workshop at Godhra 15/07/2011
	Attended DHDR progress meeting at Human Development Directorate Office, Gandinagar, 10/02/2012
	Attended Alumni meet of PG Department of Business Studies, 17/03/2012
Dr Ashish C Mehta	Life member of Indian Accounting Association

(C) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Prof H J Jani	Member	Academic Council	Sardar Patel University
	Coordinator	Internal Quality Assurance Cell	Sardar Patel University
	Member	Research Committee, PG Department of Home Science	Sardar Patel University
	Member	Standing Committee	Sardar Patel University
	Member	Building Committee	Sardar Patel University
	Member	Academic Council	Bhavnagar University
	Member	Governing Body	MBA College, Visnagar
	Member	Board of Studies in Business Management	Bhavnagar University
	External Member	Faculty of Management	Banasthali University
	Honorary Secretary	Indian Institute of Public Administration	IIPA Local Chapter
Dr Raju M Rathod	Vice President (Training)	Junior Chamber International – Vallabh Vidyanagar	Non-Government
	Secretary	Sardar Patel University's Teachers Association	Academic
	Executive Member	Indian Institute of Public Administration, Vallabh Vidyanagar Branch	Academic
	Member in Team Editor	Shilshrutam – News Bulletin of Sardar Patel University	Academic

DEPARTMENT OF ECONOMICS

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr H P Trivedi	Member of Budget Committee	Sardar Patel University, VV Nagar	
	Member of Press Committee	Sardar Patel University, VV Nagar	
	Coordinator and Councilor of IGNOU Local Study Centre	Managed by Sardar Patel University, VV Nagar	
	Expert Member, Research Committee, PG Department of Home Science	Sardar Patel University, VV Nagar	
	Member of Research and Development Committee,	Saurashtra University, Rajkot	
Dr D J Chauhan	Executive Member, SPUTA	Sardar Patel University, VV Nagar	
	Managing Editor, Artha Vikas, Journal Published By Department of Economics	Sardar Patel University, VV Nagar	
Dr D J Chauhan	Member: Board of Studies,	Sardar Patel University, VV Nagar	
Dr N M Patel			
Dr Sonal Bhatt			
Dr N M Patel	Executive Member: University Ladies Hostel,	Sardar Patel University, VV Nagar	
	Executive Member: Student Harassment Cell	Sardar Patel University, VV Nagar	
	Member: Student Harassment Cell, Department of Economics	Sardar Patel University, VV Nagar	
	Rector: University Ladies Hostel	Sardar Patel University, VV Nagar	
Dr Sonal Bhatt	Member: Women's Cell, Department of Economics	Sardar Patel University, VV Nagar	
	Member: Student Harassment Cell, Department of Economics	Sardar Patel University, VV Nagar	
	Assistant Editor of Artha Vikas Journal Published By Department of	Sardar Patel University, VV Nagar	

	Economics		
Shri J K Barot	Member of Board of Studies, Economics,	Hemchandracharya North Gujarat University, Patan	
	Coordinator and Councilor of IGNOU Local Study Centre	Managed by Sardar Patel University, VV Nagar	

DEPARTMENT OF EDUCATION

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Dr Pallavi P Patel Prof & Head	Active member of 03 constitutional committee's of the university
	Member of Library sub. Committee
	Participated as the of the members of the Syndicate and worked as member of the committee constituted by Syndicate or Honorary Vice Chancellor.
Dr M K Yagnik Professor	Participated as the of the members of the Syndicate and worked as member of the committee constituted by Syndicate or Honorary Vice Chancellor.
	Nominated as one of the members of the Monitoring Committee for research and projects and development by Honorary Vice Chancellor.
	Worked as one of the members of finance committee, building committee and unfair means committee constituted by the university.

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr Pallavi P Patel Prof & Head	Contributed in corporate affairs of university membership in more than 05 committees
	Member of library sub committee
	Member of RRC North Maharashtra University, Jalgaon
	VC Nominee in various committees
	Worked as recourse person to frame the BEd & MEd curriculum of Indian Institute of Teacher Education, Gandhinagar with other senior members. IITE Gandhinagar will implement the framed curriculum under CBCS and the framework includes contemporary needs of the pre-service teachers and the curriculum projects the advancement of knowledge in education faculty at under and post graduate level. Impacts of the programme will be invariable as it assures and ensures quality of processes.
Dr M K Yagnik Professor	Worked as recourse person to frame the Bed & Med curriculum of Gujarat, Vidyapeeth and Indian Institute of Teacher Education, Gandhinagar with other senior members. Gujarat Vidyapeeth Ahmedabad and IITE Gandhinagar will implement the framed curriculum under CBCS and the framework includes contemporary needs of the pre-service teachers and the curriculum projects the advancement of knowledge in education faculty at under and post graduate level. Impacts of the programme will be invariable as it assures and ensures quality of processes.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr Pallavi P Patel	Syndicate Member	Sardar Patel University, Vallabh Vidyanagar-388 120	Academic 2012-14
	University representative	Gujarat Secondary Education Board, Gandhingar	Academic 2011-13
Dr M K Yagnik	Syndicate Member	Sardar Patel University, Vallabh Vidyanagar-388 120	Academic 2010-12 Academic / Autonomons
	Chairperson	Poojya Mota Education Extension Chair, Sardar Patel University, Vallabh Vidyanagar	
Dr A B Kagathala	Member	Board of Study	Sardar Patel University
	Member	Uniya Trust-Sidsar	Non Government
	Member	Uniya Kedvani Mandal-Dhrol	Non Government
Dr K S Likhia	Chairperson	Charutar Vidyamandal Gandhial Chair Sardar Patel University, Vallabh Vidyanagar	Academic / Autonomons

DEPARTMENT OF HISTORY

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Prof Jigish M Pandya	Board of Studies in History at the SP University Vallabh Vidyanagar
	Active Participation in organizing Annual Day celebration,
	Invigilator in External and Internal Examinations of the University
Shri D C Chaudhari	Participation as Member, Flying Squad, External Exam, SP University
	Invigilator in External and Internal Examinations of the University
	Active Participation in organizing Annual Day celebration, Study Tour, Youth Festivals, etc
Dr Hemant Dave	Participation as Member, Flying Squad, External Exam, SP University
	Invigilator in External and Internal Examinations of the University
	Active Participation in organizing Annual Day celebration, Study Tour, Youth Festivals, etc
	Additional Board, Prajna, SPU Journal for Humanities & Social Sciences

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Prof Jigish M Pandya	Member	Board of Studies in History	Academic
		Sardar Patel University, VV Nagar	Academic
		Bhavnagar University, Bhavnagar	Academic
		Saurashtra University, Rajkot	---

		VeerNarmad South Gujarat University, Surat	Academic
	Member	Indian Historical Record commission, New Delhi	Academic
	Member	Indian History Congress	
	Vice President	Itihash Adhyapak Mandal, Ahemedabad	
	Member (RP)	National Archives of India New Delhi	
Dr D C Chaudhari	Member	Bord of studies in History SP Univresty	
	Member	Indian History Congress	
	Member	Itihas Adyapak Mandal Ahemedabad	
Dr Hemant Dave	Member	Bhandarkar Oriental Research Institute, Pune	
	Member	Indian Society for Prehistoric & Quateraary Studies, Pune	
	Member	All India Oriental Society, Pune	

DEPARTMENT OF LIBRARY & INFORMATION SCIENCES

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Prof U A Thaker	Participation in the academic visit of the students of BLISc and MLISc at various Library at Ahmedabad
	Member of Curriculum committee at different Universities in Gujarat
	Lectures delivered on Reading Habits under VANCHE GUJARAT Programme at N V Patel Science College, Vallabh Vidyanagar
	How to review the book Lectures delivered for LIS Students
Dr N D Oza	Participation in the academic visit of the students of BLISc and MLISc at various Library at Ahmedabad
	Participated in Syllabus restructuring Committee, SP University, VV Nagar
	Resource person for the Department in Life Enrichment Studies and Soft Skill paper under CBCS Courses, SP University, VV Nagar

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Prof U A Thaker	National Level Expert Committee, UGC
	Subject expert, State level committee, GSLET
	Member of Selection committee at different universities – Gujarat University, Gujarat Vidyapith, MS University, Bhavnagar University, HNG University, Patan and in various universities out of Gujarat
	Academic and curriculum committee, Gujarat University, Gujarat Vidyapith
	Member of RDC, Saurashtra University- Rajkot, Avadh University- Udaipur and other universities.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Prof U A Thaker	Member of Academic Council	Gujarat Vidyapith	Academic
	Member of Examination Body	Gujarat University, Gujarat Vidyapith, Bhavnagar University	Academic
	Member of Selection committee	All the Universities in Gujarat	Academic
	Member of Adhoc Council	Gujarat Vidyapith, Gujarat University, Bhavnagar University, H N G University	Academic
	Member of Curriculums Revision Committee	Gujarat Vidyapith & Gujarat University	Academic
	Member, working group of Library Networking in Gujarat	Commissioner of Higher Education, Gujarat	Government
	Member Task Force Committee for NMICT	SP University, Vallabh Vidyanagar	Academic
	UGC Expert Committee	New Delhi	Government
	Subject Experts, Commission for Scientific & Technical Terminology	MHRD, Government of India	Academic
Dr N D Oza	Member of Board of Studies	SP University, Vallabh Vidyanagar	Academic

DEPARTMENT OF SOCIAL WORK (MSW)

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Dr. S D Mishra	Syllabus, Const, Org. Research Training Programme, Org. HR Convention, Voting Education
Dr Bigi Thomas	Member, committee for students counseling cell, Member, adhoc board of studies, (social work) of sp university

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr S D Mishra	Member at Advisory Committee at Community Polytechnic Science at B&B Polytechnic CVM, Vallabh Vidyanagar, 2011
	Peer Advisory Committee at Babasaheb Ambedkar University, Ahmedabad

	Member, Ethical Committee at Anand Agricultural University, Anand
	Member, District Human development Report, Panchmahal

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr S D Mishra	Convener	Sardar Patel University	Board of Social Work Studies, SPUV, VVN
	Member	Sardar Patel University	Student Counseling Committee, SPU, VVN
	Member	Sardar Patel University	Syllabus Construction Committee HNGU, Patan and Saurashtra University, Rajkot

DEPARTMENT OF POLITICAL SCIENCE

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Dr Baldev Agja	Joint secretary Indian Institute of Public Administration Local branch, Vallabh Vidyanagar, Gujarat
	Life Member & Member Executive, Gujarat State Scheduled caste- Scheduled tribes College and University Teacher's Association, Surat
	Member, Advisory Committee Dr Babasaheb Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar
	Member, Advisory Committee at University Level, UGC Establishment of Special Cell for SC'ST in Sardar Patel University, Vallabh Vidyanagar
	Member of Exam Reform Unit, Sardar Patel University, Vallabh Vidyanagar
	Member of The Faculty of Arts Sardar Patel University, Vallabh Vidyanagar

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr Baldev Agja	Review Expert Committee Member	Constituted by the University Grants Commission Chairman for on-the spot-inspection of the Gandhigram Rural Institute, Gandhigram-324 302, Dindigul District, Tamil Nadu, during 7-9 Jan 2010	Academic
	Expert Committee Member	Constituted by the University Grants Commission Chairman to consider the proposal of Davangere University, Davangere, Karnataka for its inclusion under Section 12(B) for receiving central assistance. The Committee will also	Academic

		consider the proposal of the University for assistance under XI Five Year Plan.	
UGC Nominee		Planning and Monitoring Board of Kannur University, Kannur, Kerala for a period of 4 years.	Academic
Research Committee Member		Gandhi Peace Foundation, New Delhi, in association with Gujarat Vidyapith and the University Grants Commission propose to organize an Orientation Course for the Co-ordinators of the Centres of Gandhian Studies in the Universities and Colleges.	Academic
Expert Committee Member		UGC has constituted an Expert Committee member, Malankara Catholic College, Mariagiri, Kaliakkavilai Post, Kanyakumari District-629 153, Tamil Nadu affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli	Academic
Co-ordinator, NET Coaching Centre		UGC Scheme New Delhi SP University, VV Nagar	Academic
Life Member		The Indian Political Science Association (IPSA)	Academic
Life Member		Indian Institute of Public Administration	Academic
Regional Secretary		Political Science Association (Gujarat Rajyashastra Mandal-GRM), Ahmedabad	Academic
Vice-President & Life Member		Gujarat State Scheduled Caste/Scheduled Tribes Teaching and non-teaching Mahamandal, Visnagar	Academic
Counsellor		EPS-1.3.5.6, Study Centre, Vallabh Vidyanagar, Indira Gandhi National Open University (IGNOU), New Delhi	Academic
Former Secretary		Sardar Patel University Teacher's Association (SPUTA), Vallabh Vidyanagar	Academic
Advisory Member		Centre of Excellence for Ethics in Politics and Public Administration funded by the Government of Gujarat. (SP University)	Academic
Member		Board of Studies in Political Science, Sardar Patel	Academic

		University, VV Nagar	
Member		Board of Studies in Political Science, Bhavnagar University	Academic
Member		Board of Studies in Political Science, in Krantiguru Shyamji Krishna Verma, Kachchh University, Bhuj	Academic
Guide for PhD		Political Science, Sardar Patel University, VV Nagar	Academic
Guide for PhD		Peace Studies and Resolving conflict in Gujarat Vidyapith, Ahmedabad	Academic
Guide for PhD		Political Science in Krantiguru Shyamji Krishna Verma, Kachchh University, Bhuj	Academic
Regional Secretary		Gujarat Rajyasashtra Mandal, VV Nagar	Academic
Founder Secretary		Dr Ambedkar Pragati Mandal, Akhaj, Dist Mehsana Gujarat	Academic
Life Member		Sant Shri Rohidas Seva Samaj Gujarat, Gandhinagar	Academic
Life Member		Mahesana District Nagrik Mitra Mandal, Anand, VV Nagar	Academic
Active Member		Kadam Manav Sangh, Anand	Academic
Active Member		Council for Social Justices, Ahmedabad	Academic
Executive Member		Gandhi Shanti Chhatra Sangha, Ahinsha Sodh Sanstha, Gujarat Vidyapith, Ahmedabad	Academic
Member		Advisory committee NET coaching centre for SC/ST & Minorities UGC, New Delhi Scheme in Bhavnagar University, Bhavnagar	Academic
Member		AIFUCTO (All India Federation of University & College Teachers Organisations), Kolkata, (West Bengal)	Academic
Member		Exam Reforms Unit, Sardar Patel University, VV Nagar	Academic
Member		Vidyalaya Management Committee (VMC), Central School, VV Nagar	Academic

DEPARTMENT OF PSYCHOLOGY

- (a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr S M Makwana	Academic, curricular activity Sri Aurobindo Chair of Integral Studies from MA Semester –II- Life enrichment course - Nov-Dec 2011
	Participation in academic ISCA- 3–7 Jan 2012

DEPARTMENT OF SOCIOLOGY

- (a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr R H Makwana	Member, University Advisory Committee for SC/ST, 2011-12
	Chairperson, Babasaheb Ambedkar Chair, SPU VVN

- (b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr J M Trivedi	Member of Peer Team, NAAC, Bangalore
	Appointed on Publication Committee of SPU, VVN
	Work as External Evaluator for Presentation made by Participants of Refresher Course organized by Academic Staff College, SPU, VVN
	Appointed and Participated in Research Development Committee in Sociology, Pandit Ravishankar University, Raipur
	Appointed and Participated in Research Development Committee in Sociology, Veer Narmad South Gujarat University, Surat
	Appointed and Working as Co-opted member in Board of Studies in Sociology, HNG University, Patan
	Appointed and Working as Co-opted member in Board of Studies in Sociology, VNSG University, Surat
Dr R H Makwana	Member of Editor Board, Journal of Asia of Democracy and Development, Morena, (MP) Since 2011

- (c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr J M Trivedi	I/C Dean	Faculty of Arts, SPU, VVN	Academic
	Member and Coordinator	NAAC, Bangalore	Academic
	Member	University Library Committee, SPU, VVN	Academic
	Member	Research Development Committee, Pandit Ravishankar University, Raipur	Academic
	Member	Research Development	Academic

		Committee, VNSG University, Surat	
Dr R H Makwana	Convener	RC-18, Indian Sociological Society, New Delhi	Academic
	Executive Member	Gujarat Sociological Society	Academic

DEPARTMENT OF ENGLISH

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr J H Khan	Administration Honorary Director, NV Patel Postgraduate Department of Communication and Media Studies
	Honorary Director, International Students Centre, Sardar Patel University
	Co-Coordinator, Internal Quality Assurance Cell, Sardar Patel University
	Chief Editor, Sardar Patel University Annual Reports
	Honorary Consultant in Communication Skills in English Information Technology Centre, Mogri
	Honorary Consultant in English Language, Literature and Pedagogy, Sarvodaya Kelavani Samaj, Rajkot
	Academic Chairman, Board of Studies in English, Sardar Patel University
	Member (Ex-Officio), Senate, Sardar Patel University
	Member (Ex-Officio), Postgraduate Board of Studies and Research
	Member (Ex-Officio), Academic Council, Sardar Patel University
	Member (Ex-Officio), Faculty of Arts, Sardar Patel University
	Member, University Library Purchase Committee, Sardar Patel University
	Co-opted Member, Board of Studies in Indian Diaspora and Cultural Studies, Hemchandracharya North Gujarat University, Patan
	Co-opted Member, Board of Studies in English, Veer Narmad South Gujarat University, Patan
	Co-opted Member, Board of Studies in English, Maharaja Krishnakumar Sinhji Bhavnagar University, Bhavnagar
Dr R K Mandalia	Member, Board of Studies in English, Sardar Patel University
Dr P J Dave	Member, Board of Studies in English, Sardar Patel University
Mr M R Solanki	Member, Editorial Board, Sheel Shrutam – University Monthly Newsletter, Sardar Patel University Member, Board of Studies in English, Sardar Patel University Member, Press Committee, Annual Convocation, Sardar Patel University

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr J H Khan	Member, Advisory Board, Anand Institute of Management Sciences
	Member, Editorial Review Board for Literature and Language, Scientific Journals International, New York, ISSN 1556-6757
	Member, Editorial Advisory and Review Board, International Journal of

	Academic Research (IJAR), Azerbaijan, Baku, ISSN 2075- 4124
Mr P B Raval	Member, Advisory Board, Abraham Lincoln Abroad, International Lincoln Association, International Lincoln Center, Louisiana State University in Sheverreport, USA

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr J H Khan	Life Member and General Secretary	Alumni Association of the Department of English (AADESPU), Sardar Patel University	AADESPU – Non-Governmental
	Nodal Officer	SCOPE, Government of Gujarat	Semi-Government
Dr P J Dave	Life Member and Joint Secretary	Alumni Association of the Department of English (AADESPU), Sardar Patel University	AADESPU – Non-Governmental
Mr M R Solanki	Life Member and Treasurer	Alumni Association of the Department of English (AADESPU), Sardar Patel University	AADESPU – Non-Governmental
	Member, Executive Committee	Sardar Patel University Teachers' Association, Vallabh Vidyanagar	Professional – Non-Governmental

DEPARTMENT OF HINDI

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
DR N K Chauhan	Allways Member of Board of Studies In Hindi, SP University
	Participation As Well As Co-Opration In Cultural & Academic Activities In The Department & University
Dr D S Tripathi	Allways Particiand Workshop, Cbcs- SP University Programm
	Managing Editor of Prajna Journal of Humanities Social Science and Business Administration
Dr M M Sharma	Contribution To Academic & Cultural Activities of The Department As Well As University Such As Youth Festival, Valedictory Function of Employes, Sports etc
Dr H M Parmar	To Give Guidance To The Students For Essay and Debat Cometition and Cultural Activities
Dr K V Bhokri	Participation As Well As Co-Opration In Cultural & Academic Activities In The Department & University
DR S R Rathod	Participation As Well As Co-Opration In Cultural & Academic Activities In The Department & University

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of The Position Held	Name of The Organization	Nature of The Organization Academic/Government/ Non-Government
Dr N K Chauhan	Member	SPUTA	Academic Non-Government
	Member	PWA	Academic Non-Government
	Member	Yuvakbiradari, Mumbai	Cultural & Academic
	Prasident,	'Hau' Lalit Kala Munch V,V,Nagar	---
	Nodel Officer,	SP University	Government
Dr D S Tripathi	Chairman	Board of Studies In Hindi	SP University Academic
	Member	Hindi Sahitya Parisad	Dept Hindi Allahabad University
	Member	SPUTA	SP University (Non-Govt)
Dr M M Sharma	Member	Bord of Studies In Hindi, SP University	Academic Non-Government
	Member	Editors Board of Sheel Srutam	Academic
Dr H M Parmar	Member	Board of Studies In Hindi	Academic, SP University VV Nagar
	Member	Sardar Patel University Teacher Association (Sputa)	Hindi Dept., SP University
Dr K V Bhokri	Executive Member	Sputa, University Teacher Association Representative	Hindi Dept. SP University
Dr S R Rathod	Member	Pathya Pustak Mandal	Ahemdabad

DEPARTMENT OF GUJARATI

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12.

Name of the Teacher	Nature of Contribution
Prof P D Pandya	Ladies Hostel - Advisory Committee Member
	University Radio Station - Co-Ordinator
	Team Incharge Youth Festival
Prof Param Pathak	Co-Ordinator of Life Enrichment Course
Prof B R Brahmhatt	Member of DRC In Saurashtra University

(b) Impact of Significant Contributions of the Teachers of the Department on Thrust Areas Such as National Project in terms of project consultancy/membership of the advisory committee during 2011-12.

Name of the Teacher	Impact
Dr B R Brahmhatt	Expert In Net Examination
	Member of Darshak Award Samiti
	Member of Gyanpith Award Committee
Dr P D Pandya	Member of International Study For Irish Literature
	Board of Studies In Gujarati (Committee Member)
Dr P R Pathak	Board of Studies In Gujarati (Chairman)
	Board of Studies In Sardar Studies (Copt Member)
	Board of Studies In Bhavnagar University (Copt Member)

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr P D Pandya	Member of International Study For Irish Literature		
	Board of Studies In Gujarati (Committee Member)		
Dr P R Pathak	Board of Studies In Gujarati (Chairman)		
	Board of Studies In Sardar Studies (Copt Member)		
	Board of Studies In Bhavnagar University (Copt Member)		

(3) PROCESSES DEVELOPED/ RELEASED BY THE POSTGRADUATE DEPARTMENTS

DEPARTMENT OF BIOSCIENCES

Name of the Teacher	Details of Process	Period (Date)
Prof Datta Madamwar	Isolation of high molecular weight Metagenomic DNA from highly polluted soil	
	Purification of phycobiliproteins from Cyanobacteria	
TV Ramana Rao	Development of edible coatings and combinations of chemicals for postharvest treatments	

DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Details of Process	Period (Date)
Prof (Mrs) S Manocha	High Surface area porous carbon	2008-11
	Adsorption of Industrial contaminated water by porous carbons	2008-11
Prof L M Manocha	Development of carbon nano-materials by CVD method (NINM –DST)	2009-11
Prof (Mrs) S Manocha	Development of nanoclay and polymer / clay nanocomposite	2008-11

DEPARTMENT OF EDUCATION

Name of the Teacher	Details of Process	Period (Date)
Dr Pallavi P Patel	Efficient classroom teaching and administrative procedure. Progress report proforma for the research students (Minor changes to be incorporated) Teacher's Workbook	
Dr M K Yagnik	Public or classroom communication is one of the components of Teacher Education portfolio: Med course. Orientation-comments-feed back by the peer group and critical aspects discussed with the students with the help of colleague.	One week in the month of Sep 2011

	Oriented students how to work effectively in teacher educator's part folio for selected components	
	Problem specific research proposal structure and contents	

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Name of the Teacher	Details of Process	Period (Date)
Prof U A Thaker & Faculty	Digitized University's Encyclopedic Publication Gyan Gangotri Granth Shreni – All 30 Vols.	2011-12
	Developed Digital Repository & connected with LAN	
	Now, started to digitize Pragma from the very beginning	

3.7 RESEARCH AWARDS/PRIZES/SCHEMES OPERATED BY THE UNIVERSITY AND THE AWARDEES OF 2011-12.

The University has instituted a large number of research awards for encouragement, appropriation and recognition of quality research work being done in the country. The following is a list of such scheme being operated by the university.

(A) Shri Dadabhai Navroji Prize in Social Sciences

A Prize of ₹ 8000/- for a research paper adjudged in social science in calendar year for teacher of Sardar Patel University. The award for the 2011-12 is the following.

Dr Sonal Bhatt, Professor, PG Department of Economics, Sardar Patel University, Vallabh Vidyanagar.

(B) Smt Kashiben and Shri Gordhanbhai Patel Scholarship for PG Students year 2011-12

No.	Name of the Students	Name of Course & Department	Amount (Scholarship)
1	Ms Mauleeben Digishbhai Mehta	M.Com, Department of Business Studies	10,000/-
2	Mr. Dinaz Sajjadhusen Kadri	MA, Department of Economics	10,000/-
3	Ms. Vandnaben Jitendrakumar Kothari	MEd, Department of Education	10,000/-
4	Ms. Khushboo Mohan Gulrajani	MA, Department of English	10,000/-
5	Ms. Vinitakumari Jagannath Pandit	M.A, Department of Hindi	10,000/-
6	Mr. Dasharathbhai Balvantbhai Baraiya	M.A, Department of History	10,000/-
7	Ms. Suraxaben Ashokbhai Patel	B.Library & Information Science, Department of Library & Information Science	10,000/-
8	Ms. Jaymitkuamr Vasantlal Chauhan	M.B.A, Department of Business Administration	10,000/-
9	Ms. Vatsala Rashmikant Shah	M.A. Department of M.S.W	10,000/-
10	Ms. Priyankaben Atulbhai Patel	M.A. Department of Political Science	10,000/-
11	Ms. Nikita Sureshbhai Sonara	M.A. Department of Psychology	10,000/-

12	Mr.Ajitsinh Rangitsinh Parmar	M.A. Department of Sanskrit	10,000/-
13	Mr. Daksheshkumar Bhanubhai Patel	M.A. Department of Sociology	10,000/-
14	Ms. Farhnabanu Mahemudsha Diwan	M.A Department of Gujarati	10,000/-
15	Mr Shreya Nag	Media Studies, Department of Media Studies	10,000/-
16	Ms. Johnna Farancis Varghese	M.Sc Department of Bioscience	10,000/-
17	Mr. Sharadkumar Chaturbhai Karad	M.Sc Department of Chemistry	10,000/-
18	Ms.Hemang Bharatkumar Mehta	M.Sc Department of Computer Science	10,000/-
19	Ms Aashiyabanu Iqbalhusain Saiyed	M.Sc Department of Electronics	5,000/-
20	Ms.Vaishali Shankerlal Bhoi	M.Sc Department of Electronics	5,000/-
21	Ms. Hinal Naileshkuamr Patel	M.Sc Department of Home Science	10,000/-
22	Ms.Twisampati Arunava Bhandari	M.Sc Department of Material Science	10,000/-
23	Mr.Manish Kumar Pandey	M.Sc Department of Mathematics	10,000/-
24	Mr.Ashokkuamr Meghjibhai	M.Sc Department of Physics	5,000/-
25	Ms. Rinaben Bhikhabhai Shetal	M.Sc Department of Physics	5,000/-
26	Mr.Dadasaheb Dilip Choudhari	M.Sc Department of Statistics	10,000/-
27	Ms.Janki Bankimkumar Parikh	M.Pharm Department of Pharmaceutical	10,000/-

(C) DR C K Shah Award in Plant Science

The Award is given to the author of research paper in plant science (Botany/Agriculture Botany/plant Biotechnology) adjudged in a calendar year. The Awardee for the year 2011-12 is the following.

No.	Name and address of author & Co-author	Topic	Award Rs.
1	Dr. T.V.Raman Rao Professor B.R.D School of Biosciences Sardar Patel University Vallabh Vidhyanagar	Banana Fruit Ripening As Influenced by edible Coatings ,.(Botany)	750/-
2	Gol Neeta B (Co-Author) Senior Research Fellow B.R.D.School of Biosciences Sardar Patel University Vallabh Vidyanagar	Banana Fruit Ripening As Influenced by edible Coatings ,.(Botany)	750/-

3.8 ACTIVITIES OF CHAIRS

(1) SARDAR PATEL CHAIRS

- On Sardar Jayanti 31/10/2012, Pushpanjali at Sardar Patel's Statute

(2) BHAIKAKA ADHYAYAN PRAKALP

- Two day Workshop on Bhaikaka Leadership Training on 10–11 Sep 2011.
- Quiz Competition was organized on Bhaikaka Chair on 17/03/2011 for Secondary School Students

(3) CORPORATION BANK CHAIR MANAGEMENT (MBA)

- University Budget 2012-13, Prospectus & Implication by Ravindra Dholakia, IIM Ahmedabad.

(4) MOTA CHAIRS

- Essay Competition was organized on Sardar Patel University Sanlagana Mahavidyalaya.
- A Lecture of Mr Prof Dr J H Pancholi on 18/09/2012.
- A Lecture of Mr Prof Dr J P Maiyani on 17/08/2012.

(5) CHAROTAR VIYDA MANDAL FOR GANDHIAN STUDISES CENTRE

- On Gandhi Jayanti 02/10/2012 organized of Pushpanjali at Gandhiji statute.
- A Lecture on Gandhi Vichar: Vartman Samayma Prastutta on 17/08/2012.
- Serva Dharma Mela arranged on 31/01/2012 and 01/02/2012.

(6) DR BABA SAHEB AMBEDKAR CHAIR

- On Baba Saheb Ambedkar 14/04/2012 organized of Pushpanjali at Ambedkar statute.
- One day Seminar on 'Dr Baba Saheb Ambedkar Adhyayan Akem Prakalp' on 04/02/2012.

(4) AUROBINDO CHAIR OF INTEGRAL STUDIES

Highlights of the Activities

- (i) Publication of The Sunlit Path – a monthly e- magazine along with the hard copy
- (ii) Conducted more than 30 Integral Study Meet & other lectures on various themes for the students and faculty of Sardar Patel University.
- (iii) Designing and Introducing a short credit course on Life Enrichment for the post Graduate Students of Humanities and Social Science at Sardar Patel University
- (iv) Preparation of Text Books and Teaching/Learning Material/Video Lecture Series for the Life Enrichment Course Sardar Patel University as well as for other Universities of Gujarat State and making the text books available on the University webpage.
- (v) Conducted several Workshop/Seminar/Invited talks/Radio Programs –on the Identified sub themes : Integral Education, Integral Life and Integral Health.
- (vi) Carrying out and providing consultations on Interdisciplinary Research.
- (vii) Contribution to the Curriculum Development/Preparation for the Indian Institute of Teacher Education, Gujarat and at he National Consultation for Reforms in Medical Education(NATCON) In the principles of Integral Education and Integral Health.

1. Innovative Contribution to Higher Education:

Life Enrichment Course a Sardar Patel University in vision and mission of Sri Aurobindo Chair of Integral Studies, Life Enrichment Course was introduced as a short credit course in second semester of Post Graduate of Humanities and Social Science under the **Choice Based Credit System (CBCS)**.

The concept and design of the curriculum was done by a team of Dr Bhalendu Vaishnav, Dr D S Mishra and Dr Param Pathak. Text book for the course was prepared by Dr Bhalendu Vaishnav, Dr D S Mishra, Dr Param Pathak and Dr Mahendra Chotaliya. The text book has been published as per the following details:

Vol. I: Integral life and Integral Education –Published in English & Gujarati

Vol. II: Integral Health and Self Studies – Published in English

Vol. III: Question Bank and Learning Activities-published in English & Gujarat

Dr Param Pathak Co-ordinated the implementation of the Life Enrichment Course for Training the Faculty for the course, two workshops were conducted

(i) Orientation Workshop in 2010 and

(ii) Refresher Workshop in 2011

2. Life Enrichment Course for the students of Higher Education in various Universities of Gujarat State.

A Lecture Series on the Life Enrichment Course for the students of all Universities in the State of Gujarat is being prepared at BISAC as a part of open Gujarat Higher Education Classes. Video recording of eminent teacher once in a week w.e.f. 09/09/2011.

3. Publication:

Text Books of life enrichment Course: Vol. I, II, III in English, Vol. I and III in Gujarati prepared under the auspices of the Chair. 2. A chapter entitled Integral Health in Clinical Practice written by Dr Bhalendu Vaishnav in the text Book of Post Graduate Medicine accepted for Publication by The Association of Physicians of India for its Annual Conference APICON 2012.

4. Workshops:

Workshop for the Principals of the affiliated colleges conducted by: Prof Kittu Reddy, Sri Aurobindo Ashram, Pondicherry. Participants about 25 Principals of affiliated colleges participated.

(8) ACTIVITIES OF ASSOCIATED CENTRE /CHAIRS/CELL IN 2011-12

DEPARTMENT OF POLITICAL SCIENCE

Name of Centre	Co-ordinator	Activities	Venue
UGC Sponsored NET Coaching Centre for SC/ST	Dr Baldev Agja	Arranging Coaching Classes & training and Preparing students for NET & GSLET Exam	Department of Political Science, Humanities Building, Sardar Patel University, Vallabh Vidyanagar

DEPARTMENT OF SOCIOLOGY

1	Organized seminar on 'Contribution of Dr Babasaheb Ambedkar in Indian Society' under Dr Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar, Gujarat on 11/10/2011.
2	Organized seminar on 'Dr Ambedkar and Education', under Dr Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar, Gujarat on 21/02/2011.
3	Organized seminar on 'Dr Babasaheb Ambedkar: The Inspirer of Egalitarian Society' under Dr Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar, Gujarat on 04/02/2012.
4	Education Competition on 'Contribution of Dr Ambedkar in making of India Constitution' was held on 22/02/2011 by Dr Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar, Gujarat.
5	Arrange Quiz Competition on Dr Ambedkar under Government of Gujarat and Dr Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar, Gujarat on 16/05/2011.

6	Delivered Lecture on View of Dr Ambedkar about Social Problems, NSS Camp organized by Bhikhabhai Arts College at Khankuva, Anand, dated 18/12/2011
7	A Programme of Plantation of Trees under Dr Ambedkar Chair for Green Gujarat Mission at Napad, Anand on 05/06/2011

3.9 ACADEMIC CENTRES

(1) CHAROTAR VIYDA MANDAL FOR GANDHIAN STUDISES CENTRE

- On Gandhi Jayanti 02/10/2012 organized of Pushpanjali at Gandhiji statue.
- A Lecture on Gandhi Vichar:Vartman Samayma Prastutta on 17/08/2012.
- Serva Dharma Mela arranged on 31 st Jan and 01/02/2012.

(2) SHRI C CPATEL COMMUNITY SCIENCE ENTRE

INTRODUCTION

We are living in age of every rapid development in different fields of Science One hand this development needs to be sustained and strengthened. But on the other hand I is necessary to communicate to our society the impact of these scientific developments. In fact the need of the day is that every one who can read and write is able to understand the expanding world around him or her. A COMMUNITY SCIENCE CENTER is a common place where children, their teacher and general citizen can come and know about science and Technology. The center can become an oasis of Knowledge. Information and public awareness. It can provide us with a common platform for discussing issues related to science and technology. The working of CSC is generally informal and usually it aims to strengthen science through various activities. Prof K N Joshipura is the Director of SPU-CSC.

OBJECTIVES

GENERAL

To carry out activities that motive the students of school and colleges towards a sound learning of science.

To inculcate broad science view, love for nature and care for the environment in the society general.

To provide a forum for healthy discussion on aspects of education, training and researches in Science and Technology.

FUNCTIONAL

To promote dissemination of knowledge in Science and Technology to our rural as well urban communities, particularly to children in an entertaining manner.

To communicate to our society the impact of these science developments.

To give suitable programme and actives for students, teachers and common public.

To collaborate with other organizations and institutions on specific programmes.

Activity Report (Scientific Programs): Year 2012-13.

(Q-1) 01/04/2012 to 30/06/2012						
No.	Programme Name/ Subject	Date	Place & Address	Name of Resource person, Designation, Institute and Phone No.	No. of Beneficiary	Expenses
1	Earth Day: Interactive	22 Apr	CSC	Prof. K.N.Joshipura	50 students, teachers & parents	1000/-

	talk.					
2	Que-Ans Game & Video show	7 May	CSC	Prof. K.N.Joshi pura & Prof. Vasavada	30 students & 6 parents.	--
3	Summer Vacation Programs	17 24 May	CSC & Physics Department	By CSC	About 100 students of std-4 to 12 & also college students & parents	28,000/-
4	Maths workshop & script- I am a candle	17 May	---	Script by Prof. K. N. Joshi pura & workshop by Dr. Vasavda	About 100 students of std-4 to 12 & also college students & parents	---
5	Biology experiment & Demo	18 19 May	---	By Prof. Savaliya	About 100 students of std-4 to 12 & also college students & parents	---
6	Physics experiment with fun	21 22 23 May	---	Shri Minesh Meghani (Rajkot CSC)	About 100 students of std-4 to 12 & also college students & parents	---
7	Air modeling & model making (2days)	---	---	Shri Rammohan sinh (Ahmadabad)	---	---
8	Fun with Chemistry	24 May	---	Prof. D. K. Raval, Dr. Bhargav Trivedi, Shri Taraiya and research students (Chemistry)	---	---
	Presentations by students An interactive science programme	---	---	CSC staff	---	---
9	Venus Transit (VT) training program.	20 May	At Science city, Gandhinagar	Gujcost, Gandhinagar	5 volunteers(M. Sc) & Sci. Communicator from CSC	---
10	VT video show & talk about VT.	24 May	At Dept. of physics.	Prof. K.N.Joshi pura	About 100 students of std-4 to 12 & also college students & parents	1000/-
11	Visit , Borsad School	30 May	At CSC	Sci. Communicators	About 30 students of std 11-12.	---
12	World Environment Day: Environmenta l game Snakes- ladders, & Video show on VT.	5th Jun	At CSC	By Dhavalbhai Patel, Managing trusty and volunteers of Vidyanagar Nature Club.	About 80 students & other interested persons.	500/-

13	Venus transit Viewing in the morning	6 Jun	At CSC, Dept of Phy. & at Prof. Kumarbhai Trivedi's House. Dept of Physics and at CSC-VVN & other villages	By Kumarbhai Trivedi, Physic students at the Dept, Sci. Communicators at the CSC	About 200 students & interested persons About 100 village people	1000/-
14	Venus transit --TV channel interview	6 Jun	Interview relayed on the local TV channels	Director Prof. Joshipura, Astronomer Prof. Kumarbhai Trivedi, other viewers	TV audience About 2000	---
15	One-Day Seminar on Earth, Space & Planetary Science.	15 Jun	At Dept. of Physics, VVN	By ISRO & PRL Experts	About 60 research workers, M. Sc., B. Sc. students & others.	25, 000/-
16	Local planning Meeting with Director & Co-coordinator	20 Jun	At CSC	By CSC	4 persons CSC staff	---
17	Meeting with DIET. Science Advisor Dist. Anand	27 Jun	At CSC	By DIET & CSC	About 4 persons	---
18	Training prog. for teachers	3-4 Jul	At CSC & M .B.Patel College of Education, VVN	By DIET , Principal-Dr. HIteshbhai Expert: Mr. & Mrs. Vasavda	About 30 Primary teachers of Anand Dist.	
19	Purushottam Primary School visit	5 Jul	At CSC	By Science Communicators	About 40 students of std-5-6-7	
20	Science Club kit- meeting	6 Jul	At Gandhinagar, Science City	By Gujcost	3 persons of CSC staff	2000/-
21	Vignan Safar	10 Jul	At Mahatma Vidyalaya, Mogri.	By Sci. Communicators	About 70 students of std- 9 th	
22	Vignan Safar	10 Jul	At Purushottam Pramthmik shala, Bakrol.	By Sci. Communicators	About 50 stuedents of std-5-6-7	60/-
23	World Population Day – Inauguration	11 Jul	N.H.Patel College of Education.	By CSC	All college students	

	Poster competition Easy Competition Debate Competition Ending Programme					
24	World Population Day :		Bioscience Dept. SPU	By CSC		
25	World Population Day		At Village	By M.S.W students		
26	M.S.W students Visit	11 Jul	At CSC	By Sci. Communicators	About 10 students of M.S.W / B.S.W	
27	Apollo-11 ppt	17 Jul	At Madresa Highschool, Anand.	Ppt given by CSC	About 90 students of highschool	
28	MSW students & Prof. Zala Meeting	18 Jul				
29	Model exhibition, explanation of good habit & tree plantation	20 Jul	At R.C.Mission Primary school, Bhalej.	By M.S.W students	About 197 students of school.	500/-
30	Apollo -11 ppt & Talk	21 Jul	At CSC	By Prof. K.N.Joshi-pura	About 60 teachers of Anand Dist. Schools & other interested	
31	Gujcost Science Club meeting	21 Jul	At CSC	By CSC	About 60 teachers of Anand Dist. Schools.	
32	Apollo-11 ppt Given to many schools,	23 Jul	--	By CSC	About 40 schools of District.	
33	Visit by U.B.Vidyalay, Jantral	27 Jul	At CSC	By sci. communicators	About 200 students of std-9-10.	
34	Meeting of Advisory committee of DIAT.	28 Jul	At Jilla Shisan Ane Talim Bhavan, Valasan	By DIAT	Prof. K.N.Joshi-pura	--
35	Rural IT Quiz	30 Jul	At CSC	By CSC	About 22 school teams participants	
36	Amul Dairy Lecture	31 Jul to 01Aug	At CSC & M.P. Patel Auditorium, SPU,VVN	By CSC. Experts- Dr. B.M.Vyas Dr. Ratnam, Dr. R.K.Shah &Dr.Bhavnaben Chuhan(Homescience)	About 250 people & UG,PG Students	

37	Video show about Global warming & 'Baldalta Mousam'	1 Aug	At Rampura primary school, , Bakrol.	By M.S.W students	About 165 students of school	500/-
38	Hiroshima Day	06 Aug	At Gnanyagna Vidyalay, Mogri	By them self	About 200 students of school	--
39	Workshop(Electrical & Mechanical)	6-7 Aug	At M.U.Patel Tech. School, VVN	By School's technical teachers & CSC	About 200 students of std-9 of 2 schools	1000/-
40	Visit By B.Ed students	7 Aug	At CSC	By Prof. K.N.Joshi pura & sci. communicators	About 50 students	--
41	PPT about Dr. Vikram sarabhai	12-13 Aug	At different village schools	By CSC	About 500 students	--
42	Vikram sarabhai Ppt Presentation	14 Aug	At science college, Khambhat	By CSC	About 200 students & 4 senior lecturer.	
43	Awareness of Environment & about Our Flag.	15 Aug	At Anand-VVNagar Road	By MSW Students	Community on Road.	500/-
44	State level Rural IT Quiz	16 Aug	At Gandhinagar	By Gujcost	About 20 students & 5 teachers	--
45	Exhibition of Rocket models in GSET College	17 Aug	At GSET Engineering College, Bakrol	By CSC	About Whole College	
46	Akshay Urja Divas	20 Aug	At Nadiad	By CSC	About	--
47	Workshop for VIPNET CLUB	20-22 Aug	At Gandhinagar	By Gujcost	Dr. Haresh Kaheriya (Asso.Prof. Bioscience Dept.)	
48	Vikram Sarabhai ppt. show	22 Aug	At Science college, Petlad.	By CSC	150 students	--
49	Dist. Level National Science Seminar	21 Aug.	At M.B.Patel B.Ed college, VVNagar	By CSC	About 15 students & 10 teachers & others	
50	Vidya Setu program	25 Aug.	At Babasaheb Ambedkar university	BY Prof. K.N.Joshi pura, Relay on DD-Girnar	Local community	--

51	Vikramsarabhi Janmajayanti celebration	17 Aug	At Jalalkui school, Jalalkui, Ta-Borsad	By CSC	About 90 students primary school	
52	Seminar For Women Peace for Women in Society	28 Aug	At Gyanodaya Senate hall, SPU	By Women's Cell, SPU	Attended by our sci. communicators	
53	Meeting for VIPNET CLUB	30 Aug	At Gandhinagar	By Gujcost	Attended by Prof. K.N.Joshi	
54	Brain storming Session	30-31 Aug	At Gandhinagar, ISRA	By Gujcost & Vignana Prasar		
55	National Nutrition Week: Poster (on diabetic) Competition & Exhibition	1 Sep	At CSC	By CSC, to all colleges of SPU	About 16 posters made by student	1200/-
56	Primary school, Jol Village, visit	3 Sep	At CSC	By sci. communicator	About 116 students	---
57	Lecture about Nutrition	4 Sep	At Kendriya Vidyalaya, VVN	By Prof. Vinayak Patel (Head, Dept. of Homescience), SPU	About 50 students	--
58	Teacher's Day celebration: Sarvapalli Radhakrishnan	5 Sep	At I.B. Primary (GUJ), VVN	By M.S.W students & Sci. communicators	About 100 students	200/-
59	Lecture & Exhibition about Nutrition Week	6 Sep	At Jagrut Mahila Mandal, Anand.	By Prof. Viraj madam	About	
60	Blood Group check camp	6 Sep	At Rampura village	By M.S.W students	About	--
61	National Nutrition Week: Recipe (on diabetic) Competition	7 Sep	At Home Science college, SPU	By CSC & Home Science college, SPU	About	
62	Science fair (CRC level)	11 Sep	At Prathamik Kumarshala, Bakrol	By Government	Sci. communicator As Guest	--
63	P.Chandravihar high school, Borsad visit	11 Sep	At CSC	By Sci. communicators	About 116 students	--

64	State Level National Science Seminar	12 Sep	At Gandhinagar	By Gujcost	About 50 students & Sci. communicators of state	--
65	Drawing competition on Sci. them	12 Sep	At Prathmik Kanyashala, Bakrol	By CSC & MSW students	About 40 students	200/-
66	Workshop of Maths	15 Sep	At CSC	By CSC. Expert: Viralbhai Mistry (Undel) & Ushaben Sarda. (N.H.Patel B.Ed College)	About 50 students of B.Ed college	1000/-
67	World Ozone Day	16 Sep	At M.U.Patel (Tech) highschool, VVN	By School	About 80 students	--
68	Blood checkup camp	19 Sep	At Jol primary school, Jol village.	By MSW students with Indu Bloodbank.	About 80 students	500/-
69	Radio Programme	21 Sep	At community radio station, vvn	By CSC & Radio Station	About more than 500 listener of Radio	---
70	Eye checkup camp	21 Sep	At I.B.Patel Gujrati prathmiskshala, VVNagar	By CSC & M.S.W student	About 100 students	500/-
71	Space week meeting	22 Sep	At Science city, Ahemadabad	By Gujcost	About 25 CSC coordinators	400/-
72	Advisory Committee meeting	27 Sep	At Sanet Hall, SPU	By CSC & Advisory Committee, SPU	About 15 members	1000/-
73	World Habitat Day Wild Life week	29 Sep	At Mogri	By CSC	About	
74	Kalpana MetSAT Quiz (District Level)	5 Oct	At CSC	By CSC	District schools	--
75	Kalpana MetSAT Quiz (State Level)	8 Oct	At A'dabad	By Gujcost	4 students & 2 teacher & sci. communicator	--
76	Visit to ISRO	9 Oct	At A'dabad	By Gujcost & ISRO	2 Teams of Quiz	--
77	Information & Questionery about SIMBUS competition	9 Oct	At CSC (on BISAG)	By Prof. K.N.Joshipura	Students & sci. interesting peoples	--

78	Biotech Training Programme	12 Oct	At GSBTM, Gandhinagar	By GSBTM	Sci. communicator	--
79	Girl Students Medical counselling & lecture	16 Oct	At Kendrya Vidyalaya, VVN	By Dr. Vinay Patel	About 70 students	500/-
80	Vimal Mirium Highschool visit & interactive talk on SI Units	16 Oct	At CSC	By Prof. K.N.Joshi & Sci. communicators	About 45 students	--
81	M.B.Patel Education collage, teachers Visit	19 Oct	At CSC	By Sci. communicators	About 40 teachers of Anand Dist.	--
82	National Science Drama (District Level)	21 Oct	At CSC	By CSC	One school team	---
83	Girl Students Medical counselling & lecture	30 Oct	At Kendrya Vidyalaya, VVN	By Dr. Vinay Patel	About students	500/-
84	Agro waste Workshop Topic: Bannana tree waste	9 Nov	At CSC	By GSA & CSC jointly organized	About 15 farmers & 15 students	5000/-
85	State Level NSD competition	10-11 Nov	At Sci. City, Aheb'd	By Gujcost	7 student of S.D.Desai & Sci. communicators	3000/-
86	Children home for boys' Visit	30 Nov	At CSC	By Sci. communicators	About 15 students	---
87	Computer Literacy Day	4 Nov	At Sajna Talavdi Primary School, Karamsad.	By Dr. Darshan Choksi, SPU, VVN	About 2 Classes of std- 7-8	500/-
88	Computer Literacy Day	4 Nov	At Mahatma Gandhi Vidyalay, Mogari	By Dr. Priti Sajja, SPU, VVN	About 2 Classes of std- 7-8	500/-
89	Energy Conservation Day	14 Dec	At CSC	By Darshanaben & sci. communicator	About 50 students of villages	
90	GSBTM Programme	18 Dec	At CSC	By CSC, Expert: Dr. Ujjwal Trivedi	About 90 students of Std-8-10	800/-
91	INSPIRE sci. camp	21-25 Dec	At CSC & SPU Dept. organizer:	By DST, New Delhi	About 167 students of std-11-12 & others	---

			CSC & Dept. of Physics			
92	Urja Parichaya- Lecture & visit	2 Jan	At CSC	By Darshanaben Pandya-CSC	About 80 students of std-6-7 of Primary school, Bakrol	1300/-
93	Urja Parichaya- Lecture & visit	4 Jan	At CSC	By Dipti Patel-CSC	About 70 students of std-7-8 of Primary school, Vithal Udyougnagar	1300/-
94	Dr. Vikram Sarabhai Elocution Comp.	10 Jan	At M.B.Patel College of Education, VVNagar	By CSC & Sanskar Mandal, VVN	About 60 students & 20 teachers of Anand Dist.	19,000/-
95	Sci. Talk about water, pollution & cleanness	11 Jan	At Navapura Primary School, Jitodiya	By M.S.W students	About 100 students & 6 teachers	500/-
96	Sky Gazing	21 Jan	In Camp of M.B.Patel Sci. College, Anand, At Ashi Village	By Dr. B.Y.Thakor(Dept. of Phy)	About 65 students & others	1000/-

(3) WOMEN'S STUDIES CENTRE

ESTABLISHMENT

Acting on the initiative of the then Vice Chancellor Dr PJ Patel, I/C Director, Dr Rema Subhash, Professor and Head, Department of Home Science, prepared the proposal for a Women's Studies Centre and presented it to the UGC in Sep 2004. It was sanctioned by the UGC with a grant of ₹ 50 lac in Feb 2005. The Women's Studies Centre was thus established in Mar 2005 in Sardar Patel University and it became fully functional in Aug-Sep 2005.

AIMS AND OBJECTIVES

The centre aims at capacity building in the educated, employed women with regard to managerial abilities such as communication skills, administrative skills, confidence building etc On the other hand, the centre focuses upon entrepreneurship skill building in unemployed women such as adolescents, college girls, housewives etc from different SES.

FULFILLMENT

A numbers of programs have been conducted in keeping with the objectives and the Centre has started diversified activities to fulfill the objectives.

AIMS AND OBJECTIVES

We are a rural university established with the aim of uplifting the educational level of the local population, neighbouring towns, and interior villages and this was kept in mind in deciding on the priorities of Women's Studies. Geographical proximity to cities such as Baroda and Ahmedabad has led to a section of the local female population here getting greater exposure though the other half remains largely backward. Thus, it was only natural that the major aim of the centre is one of capacity building in women.

The centre has been able to identify two categories: the educated and employed women; and unemployed women, college goers, teens etc ranging from the literate to the illiterate. The centre aims at capacity building in educated, employed woman with regard to managerial abilities such as communication skills, administrative skills, confidence building etc and facilitating support systems such as research, day-care-centres, old age homes etc At the same time, however, the centre will focus attention on building entrepreneurial skills in unemployed women from a slighter wider age group such as adolescents, college girls. Even so, housewives and others form different SES. This broadly includes areas such as fabric embellishment involving tailoring, popularization of khadi garments, and the exploration of opportunities for entrepreneur through home catering etc. Computer literacy has been identified as an essential skill that needs to be imparted to the other women.

3.10 DEPARTMENTAL EXTENSION ACTIVITIES

The postgraduate departments of the University also carry out extension activity besides teaching and research. The following is a department wise report of activities of year 2011-12

DEPARTMENT OF BIO-SCIENCE

Name of the Teacher	Nature of the Extension work with details
Prof Datta Madamwar	I have always been associated with various community awareness programmes.
T V Ramana Rao	Managing Editor, PRAJNA – Journal of Pure and Applied Sciences, Published by Sardar Patel University

DEPARTMENT OF CHEMISTRY

Name of the Teacher	Nature of the Extension work with details
Dr N J Parmar	Active role in organizing Blood donation camp.
	Donated blood several times at these camps.
	Take our students for industrial tours at different places.
	Help student develop practical aspects they study in class room teaching.
	Such tours also develop a sense of national spirit.
	National Literacy Mission: Such opportunity is rarely available however, during my undergraduate studies; I was a member of NSS and used to visit villages to educate the people on many aspects of life. One of which was to teach the alphabets to the villagers

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Teacher	Nature of the Extension work with details
Dr D B Choksi	Organized a State Level Programming Contest at G H Patel Post Graduate Department of Computer Science and Technology, Sardar Patel University, 04/02/2012 .
	Organized a State Level IT Quiz Competition at G H Patel Post Graduate Department of Computer Science and Technology, Sardar Patel University, 04/02/2012 .
	Organized TCS Day-2012 as a part of placement activities at the Department of Computer Science, Sardar Patel University, on 08/02/2012.
Dr P V Virparia	Provided necessary technical and software development guidelines to MCA-5 and MCA-6 semester students during their software project development.
Dr P S Sajja	Actively participated in State Level Programming Contest at G H Patel Post Graduate Department of Computer Science and Technology, Sardar Patel University, 04/02/2012 and a State Level IT Quiz Competition
	Provided necessary technical and software development guidelines to MCA-5 and MCA-6 semester students during their software project development.

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Teacher	Nature of the Extension work with details
Dr (Ms) Vibha S Vaishnav	Entrusted the responsibility to work as the University level Co-coordinator for the activities of SPIC MACAY (Society for Promotion of Indian Classical Music and Culture amongst Youth). Assisted in organizing 3 events

DEPARTMENT OF HOME SCIENCE

Name of the Teacher	Nature of the Extension work with details
Dr V H Patel Dr Rema Subhash Dr Neeta R Dave Ms Viraj Roghelia	Took Active part in the Celebration of National Nutrition Week Programme
	Actively Participated in organizing the celebration of National Nutrition week in the first week of Sep 2011.
	Recipe Demonstration at Anganwadi Training Centre run by S M Patel College of Home Science, Vallabh Vidyanagar (07/09/2011) on the theme titled Functional Foods for cardio vascular diseases.
	Poster competition at The PG Department of Home Science, Sardar Patel University, Vallabh Vidyanagar, (02/09/11).
Ms Viraj Roghelia	Two day demonstration on Different detecting techniques of food adulteration with a team of students at Organic Food Fair organized by Agrawal Mahila Samaj & TCI in Feb 2012.

DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Nature of the Extension work with details
Prof L M Manocha	Organized seminars, conferences. Organized Brain storming Session on Ceramics for Academics and Industries, Organized students visits, delivered lectures at other colleges and Universities, member of ST/DAE/DRDO//UGC committees
Prof (Mrs) S Manocha	Head, Department Placement Cell, Co-organizer Department seminars & conferences. Delivered lectures at other colleges and Universities, member of DST/UGC committees
Dr N M Batra	Conducting students seminars, internal tests

DEPARTMENT OF PHYSICS

Name of the Teacher	Nature of the Extension work with details
Prof K N Joshipura	As Honorary Director C C Patel Community Science Centre SPU
Prof U H Patel	Women's Hostel Rector: Convener of advisory committee of University women's hostel - Being convener of the committee I am actively associated with the each activities of the hostel along with the warden pertaining to the development, improvement , modernization etc of the hostel, and take keen interest for providing a healthy and nutritious food to hostilities
	Member of Women cell of University
Prof V M Pathak	Worked as organizing Secretary of National Conference on Condensed Matter and Materials Physics CMMP-12.
Prof B Y Thakore	Arranged popular Science/Astronomy Lectures and organized Sky watching activities using alestron 8-inch Sch-cass type Telescope.
Prof S H Chaki	Have taken part in many activities like Quiz, delivering popular lectures, etc of C C Patel Community Science Centre, Sardar Patel University, Vallabh Vidyanagar.

	Attended one-day seminar on ‘Semiconductor Devices and Nano-Materials Characterization – A Technical Seminar’ organized by Physics Alumni Association sponsored by Agilent Technology,
	USA through Automation Systems, Ahmedabad on 07/07/ 2011 at the Department of Physics, Sardar Patel University.
	Attended one day seminar on ‘Nuclear Technology for Raising Standard of Living (NTFRSOL-2011)’ organized by C C Patel Community Science Centre, Sardar Patel University and BARC, Mumbai on 11/09/2011 in M P Patel Auditorium.

DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Nature of the Extension work with details
Dr Y M Dalvadi	Blood donation camp, extending service to old age people on Valentine day, active participation in Project Hand Writing Competition and Welcoming of students of 10 th and 12 th Standard at their board examination. Help to Old Age home etc under the Junior Chamber of International(JCI) VVN Branch.

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Nature of the Extension work with details
Dr Raju M Rathod	Delivered guest lecture on ‘‘Service Marketing’’ at MCom, I V Patel Commerce College, Nadiad, 24/09/2011
	04/07/2011, Guest lecture Delivered at V Z Patel Commerce College on Commerce.
	Organized workshop at SNTD college Baroda NET/ SLET on 16/07/2011
	6 hours training was imparted on Effective Public Speaking at Shree Saurashtra Patel Hostel, Vallabh Vidyanagar on 29/01/2012 organized by JCI VVN
	Delivered expert lecturer on Team Work at NSS Camp at Vadtal of Mercantile College, 20/01/2012.
	Lecture delivered on Teamwork at NSS Camp of Mercantile Commerce College, 20/01/2012.
	Served as Judge at Debate Competition on FDI will ruin unorganized retail sector in India, F H Shah and C P Patel Commerce College, 17/12/2011.
	Delivered expert lecturer on Management Practices of Successful Businessman at JMTC, Training Center (NGO) at Vallabh Vidyanagar on 21/10/2011.

DEPARTMENT OF EDUCATION

Name of the Teacher	Nature of the Extension work with details
Dr Pallavi P Patel	Guest of honor - Anand Education College, Anand (13/07/2011)
	Chief guest in an Inter award function way made college (29/08/2011)
	Chief-Guest in Hindi day, Anand Arts College, Anand (14/09/2011)
	Guest of Honour in NAAC sponsored National Seminar, N H Patel College of Education, Anand (14/09/2012)
	Expert in pre-synopsis seminar of PhD students at Ganpat University, Kherva (17/01/2012)
	Chief Guest in Alumni Association meeting, P K Inamdar BEd College, (19/02/2012)
	Chief-Guest in national seminar on 'Woman & Higher Education' at Anand Arts College, Anand (12/03/2012)
	Chief-Guest in Annual day celebration, I J Patel BEd College, Mogri

	(22/03/2012)
	Delivered a live talk (BISAG Programme) on Achievement Motivation (13/03/2012)
	Models of Teaching (14/03/2012 & Diagnostic test (21/03/2012)
Dr M K Yagnik	Participated in Blood Donation Camp and delivered a motivating lecture at M B Patel College of Education-NSS Unit (12/09/2011)
	Attended three meetings with 'Vidya Bharati' national organization of education for new initiatives: Research : Extension.
Dr A B Kagathala	KCG organized-Minor research project - Guidance & workshop work as a resource person - 09/08/2012 at Dalhai commerce College.
	KCG organized Minor research project proposal- Guidance work as a research person - 28/08/2012 at surendranagar, M P Shah Commerce College.
	Social awareness of Beti Bachav Programme organised by umiya mata Sidsar - Trust.
Dr K S Likhia	Worked as a member visiting team for inspection of teache education institute organized, NCTE (05/07/2011 to 11/07/2011)

DEPARTMENT OF LIBRARY & INFROMATION SCIENCE

Name of the Teacher	Nature of the Extension work with details
Prof U A Thaker	Children Library at home for the Society

DEPARTMENT OF SOCIAL WORK

Name of the Teacher	Nature of the Extension work with details
Dr S D Mishra	Adolescent health awareness at Anand district
	Reproductive and Child health awareness programme at village level.
	Health campaign for beedi worker at khamabhat.
	Awareness on Vocational program to youth at various villages of anand district.
	Agricultural promotion program – technology upgradation at various villages of anand district.
	Kidney awareness program to Youth of Vallabh Vidynagar

DEPARTMENT OF POLITICAL SCIENCE

Name of the Teacher	Nature of the Extension work with details
Dr Baldev Agja	Member of the Executive SP University Co-op consumers store Ltd. VV Nagar
	Rector, Mens Hostel I & II, SP University, VV Nagar
	Founder Secretary Dr Ambedkar pragati Mandal Akhaj
	Life Member Mahesana Dist-Nagrik Mitra Mandal, Anand
	Active Member Kadam Manav Sangh, Anand
	Active Member council for social justices, Ahmedabad
	Life Member of Sant Shri Rohidas Seva Samaj Gujarat, Gandhinagar(Reg. No. 1746)
	Executive member of Gandhi Shanti Chhatra Sangha, Ahinsha Sodh Sanstha, Gujarat Vidyapith, Ahmedabad

DEPARTMENT OF PSYCHOLOGY

Name of the Teacher	Nature of the Extension work with details
Dr S M Makwana	Community awareness from family planning in various villages Sorana, Antarsuba Ta:Kapadwanj

DEPARTMENT OF HINDI

Name of the Teacher	Nature of the Extension work with details
Dr N K Chauhan	Community Awareness By Street Plays (Drama)
	Community Awareness By Teatere Activities
Dr D S Tripathi	I Allread Ectenstion Culturer Programm Your Nealkanth Banglow, VV Nagar

DEPARTMENT OF GUJARATI

Name of The Teacher	Nature of The Extension Work With Details
Dr P D Pandya	Acitve Member In 'Taowa'
	Worked As A Director In Community Radiostation
	Worked As A Speaker In Biseg
Dr P R Pathak	Worked As A Jury Quiz On Ambedkar By Ambedkarchair
	Worked As Agujarati Sulekahan Spardha
	Worked As A Expert In Biseg

CHAPTER – 4

INFRASTRUCTURE AND LEARNING RESOURCES

The word *infrastructure* is used to mean the underlying foundation of what constitute the basic installations and facilities designed to ensure the growth of an organization. Simply put, this means the basic inner structure, equipment, the permanent services rendered by an organization, or a system, which is in our case a university system. Infrastructural requirements within a university are not limited merely to buildings which constitute the minimum essential but well-stocked and constantly updated library facilities; well-equipped laboratories in the sciences, humanities and social sciences, commerce and management, education etc; facilities for training in/using information and communication technology; contemporary technologies for teaching-learning; facilities for sports and recreation; good cafeteria; centres for academic, vocational, and psychological counselling; good auditoria etc.

Educational infrastructure may throw up the possibility of impacting access and even the quality of education but does not necessarily guarantee it, for it has to be complemented and fortified through a planned strategy focusing on recruiting good teachers; making provision for relevant and latest techniques of teaching and instruction; providing access to learning resources like printed books and e-books, print journals and e-journals, dictionaries, encyclopaedia etc.

Good infrastructural facilities are a value addition and imply to a certain extent willingness on the part of the administrative mechanisms to make use of the available resources to the optimum. However good the infrastructural facilities may be, these do not and cannot compensate for the absence of teaching-learning exercise that takes place in the classrooms. Therefore, institutions that have good infrastructure but are found wanting insofar as teachers are concerned run aground in no time. Our founders took care to ensure that good infrastructural facilities available in the university are fortified through recruitment of quality teachers and instructors. Our founder Vice Chancellor had a knack for spotting and recruiting talented teachers from all over the country and this has served us well throughout our existence.

Sardar Patel University has always paid attention to the creation and use of good learning resources. It has thus far refused to be constrained by funding shrinkages where learning resources are concerned and has ensured that the libraries are stocked with the latest books in each and every subject-discipline. It tends to treat computer literacy with a certain degree of sensitivity and has been proactive in adapting to computers as a learning resource as well as a very powerful administrative tool. Besides this, it has provided for Internet connectivity in all its university Departments by making arrangements for the availability of adequate Internet connections with high bandwidth.

4.1 THE USES OF COMPUTERS AS A LEARNING RESOURCE IN THE UNIVERSITY ARE MANIFOLD.

- 1 **COMPUTERS AND COMPUTING:** Use of computers as office automation tool, for data management, data mining, and research the basic use of computers is being taught in all the departments and administration also
- 2 **INTERNET CONNECTIVITY:** The University has provided Internet connectivity to all Postgraduate Departments with sufficient nodes. Postgraduate students, MPhil and PhD scholars are encouraged to use this facility. Effective use of the Internet for literature search and E-transfer of data, greatly help students and researchers alike in preparations for seminars, designing research and project proposals, updating and refining their dissertations and theses, and electronically communicating and managing their search papers. Over and above all this, it has become an extraordinary powerful means of establishing and maintaining academic contact and information exchange with other workers and peers, greatly enhancing research effort. In many

cases, this has led to joint publications of research papers. The faculty and students are actively using the e-resources provided under the UGC-INFONET programmes.

- 3 **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 equipping them with the necessary skills to be able to prepare technical materials.
- 4 **TRAINING IN SPECIALIZED SOFTWARE:** Relevant computer courses with practical training on computers are on offer 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.
- 5 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 enables them to use many modern scientific types of equipment with which computers remain attached effectively in modern times.
- 6 The Department of Computer Science and Technology trains students in the design and development of software.
- 7 **COMPUTERS AS TEACHING AID:** We have begun to explore the full potential of computers as an effective teaching aid. We encourage the use of CDs in classroom teaching. A section of the members of faculty in some Departments have succeeded in designing software to meet their needs: 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 tool 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.
- 8 **E-GROUPS:** Dr D J Karia of Mathematics Department is organizing and coordinating the following academic e-groups:
 - (a) ugcnetmath@yahoogroups.com
 - (b) topologicalalgebras@yahoogroups.com
 of course, we have begun planning to establish LAN connecting all Departments, all administrative units and the library for fast and efficient data transmission. We are also exploring the possibility of online teaching and examination.

Numbers of Computers at University Departments and Administrative Sections

No.	Department	No. of Computers
1.	Computer Science and Technology	216
2.	Computer Centre	50
3.	MBA	75
4.	Electronics	75
5.	Physics	80
6.	Mathematics	70
7.	University Administrative Building	65
8.	Bio-Sciences	75
9.	Statistics	75
10.	Bhaikaka Library	25
11.	Humanities Building (Department & Office)	35
12.	Materials Science	25
13.	Chemistry	30
14.	Home Science	12

15.	University Press	12
16.	Business Studies	12
17.	USIC	06
18.	Economics	15
19.	Department of Education	07
20.	University Museum	04
21.	MSW	11
22.	Hindi	05
23.	M B Patel College of Education	12
25.	Library & Information Science	10
25.	Health Centre	01
26.	Guest House	01
27.	Communication & Media Studies	08
	Total	1012

In all Basic Sciences and couple of Humanities and Social Science Postgraduate Departments, there are separate computer laboratories.

4.2 LIBRARY AS LEARNING RESOURCES

A unique feature of the library system in Sardar Patel University is that there is a Central Library (Bhaikaka Library) with satellite libraries in the form of departmental libraries in each department.

(A) Bhaikaka Library

Bhaikaka Library, named after the illustrations founder of the educational township as well as the University, came into existence in 1957, with the purchase of 3000 books. A grant of ₹ 10 lacs (2/3, 1/3 sharing basis) was provided by UGC for the construction of the library building and purchase of furniture and equipment. 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 ladies reading room. The capacity of reading room/ladies reading room is 350 students each. The stack area is divided in four part in which the capacity is upto 3,00,000 documents. The students can access the documents from consisting of books, periodicals, theses, dissertation, reference books, donated books and non-book material.

The membership of the Bhaikaka Library is made available to the students, teaching staff, non-teaching staff as well as affiliated college staff and students.

(I) LIBRARY AUTOMATION

Bhaikaka Library has already initiated computer automation. At present **2,26,711** of the books in the acquisition have been entered in SOUL software. Which is developed and funded by UGC All the books have given Bar Code on the basis of their Accession No. Issue counter is issuing the documents by scanning only the Bar Code. Now there is no manual process in issue return.

Recently all the information of Bhaikaka Library is updated on the Website of Sardar Patel University.

(II) SERVICES PROVIDED

Reading Room Facilities	DELNET Access
Internet Facilities	E-journals access

Cyber Cafe	Scanning Facilities
Women's Reading Room Facilities	Old Question papers of University
Inter Library Loan Services	CD Writing
Photocopying facilities	Current Awareness Services
Reference Services	Selective Dissemination Information (SDI)
UGC – INFONET	Thesis/Dissertation
Online Public Access Catalogue (OPAC)	

Total Number of Books 2,26,711 (2011-12)

Total Number of Journals Subscribed (2011-2012)

Book	Recurring grant	Special Grant	Total
Indian	186	62	248
International	52	63	115
Total	238	125	363

e-journal – 5,000+ accessible at <http://202.141.130.70/e-resources.php>

Total information available at <http://www.spuvvn.edu/libraryinfo.htm>

Archives:	-----	Theses	2100
Non-book collection:	743	Special Collection	636
American Collection	158+9	CD Gandhian collection	300
Charotar Sarva Sangrah			
Non-book collection accessible at http://www.spuvvn.edu/cdbook.pdf			

(III) UNIVERSITY PUBLICATIONS

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.

No	Journals/Bulletins
1	Sheel Shrutam (Monthly news bulletin of the University) (Bhaikaka Library)
2	Vocational Guide (University Employment Bureau)
3	Journal of education and psychology (Department of Education, Sardar Patel University, Vallabh Vidyanagar)
4	“Artha Vikas” (Department of Economics, Sardar Patel University, Vallabh Vidyanagar/
5	PRAJNA-University Journal of Basic Science
6	PRAJNA-University Journal of Social Science and Business Studies
7	Journal of Engineering and Technology (Birla Vishwakarma Mahavidyalaya)
8	Mimansa-Journal of English Literature (Department of English, Sardar Patel University)
9	Synergy-Journal of Business Studies Administration (Department of MBA, Sardar Patel University)

Books

Total 166 books have been published so far by the Publication Section Bhaikaka Library, Sardar Patel University, Vallabh Vidyanagar.

Gnan Gangotri Gujarati Publication (A Book of Knowledge)

The Gnan Gangotri series, thanks to the generous grant received from the Central and State Government and Donations from Hari Ohm Ashram and others has come to be just such in Encyclopaedia but with a different knowledge and information embodied in the essays of various subject, arranged collected in different volumes. The series has been widely acclaimed as unique. 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 are availed on the Website of Sardar Patel University.

One can access the list at <http://www.spuvvn.edu/pub-pdf.pdf>.

The following books are published under Hari Ohm Ashram preit Shri Anand Shankar Bapubhai Dhruv Smarak Trust.

- | | | |
|-----------------------|------------------|------------|
| 1. Meera | Niranjan Bhagat | ₹ Rs.80.00 |
| 2. Dayanand Saraswati | Dr.Jigish Pandya | ₹ 70.00 |

- (iv) **Book Bank Units:** The facilities for book banks are available in the libraries of colleges affiliated to Sardar Patel University.
- (v) **Reprographic Services:** Reprographic Services are available to the research students, teachers and other users from time to time.
- (VI) **E-Information to Faculty and Researchers:** E-mail address: unilibspu@gmail.com.
- (VII) Bhaikaka Library has got the membership with DELNET. Students and teachers are getting the facilities of DELNET. Syndicate has approved the MOU with DELNET in the meeting held on 2-3-2009 and renewed for the year 2012.
- (VIII) Bhaikaka Library is the member of INFLIBNET. INFLIBNET has produce SOUL Software for books issuing and return, Stock verification, periodical publication and acquisition process. This library has installed the SOUL software. INFLIBNET has produced new version of the SOUL software. This library has installed the new version of SOUL 2.0.
- (IX) This library has redesigned the Webpage with new hyperlinks.
- (X) Statistical updated information of Bhaikaka Library put before University Website. It can be available on <http://spuvvn.edu/administration/service-centres/library/>
- (XI) Sardar Patel University with the collaborating with INFLIBNET, Ahmedabad MOU programme for **Sodhganga** : Repository of Indian Electronic Thesis and Dissertation will be held on 27-12-2012.
- (XII) Dr Shishir H Mandalia I/c University Librarian, Bhaikaka Library has participated the Refresher Course conducted by Academic Staff College, Sardar Patel University, Vallabh Vidyangar, during 19-11-2012 to 9-12-2012.

We need to address some deficiencies pertaining to our library system. Though the reading halls of the Library remain open from 8:00 am to 10:00 pm, the issuing and other library services are made available from 10:30 am to 5:40 pm, and we are aware that we must extend the services by at least 4 hours. The library also needs to develop an archives section as well as networking facilities linking all departmental libraries with the central library. There ought to be cubicles for individualized, concentrated study in the reading halls. Though many departmental libraries have photocopying facilities, a need for this in the central library is deeply felt.

(B) DEPARTMENTAL LIBRARIES

The departmental library in almost every department caters to the specific needs of respective department. These libraries contain recent issues of research journals, textbooks in respective subjects, as well as the books obtained Gratis or purchased from research project/s over the years. They also contain non-traditional reading materials, photocopied and loosely bound editions. These libraries have Internet connectivity and library staff in some cases. There are reading rooms attached to these libraries, and books are issued to students of the Department regularly on demand.

DEPARTMENTAL LIBRARIES

No.	Department	Carpet Area (Square Feet)	Seating Capacity
1.	Department of Biosciences	925	25
2.	Department of Chemistry	3750	40
3.	Department of Computer Science	900	25
4.	Department of Electronics	1200	35
5.	Department of Home Science	400	12
6.	Department of Materials Science	400	12
7.	Department of Mathematics	2166	45
8.	Department of Physics	1000	27
9.	Department of Statistics	525	10
10.	Department of Business Administration (MBA Programme)	5230	50
11.	Department of Business Studies	200	5
12.	Department of Economics	600	15
13.	Department of English	1800	45
14.	Department of Gujarati	800	20
15.	Department of Hindi	300	8
16.	Department of History	100	2
17.	Department of Political Science	450	12
18.	Department of Psychology	2000	45
19.	Department of Education	1500	35
20.	M B Patel College of Education		
Total Carpet Area of All Departmental Libraries		23880	

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.

Highlight:

- Housed in the department with separate cataloguing.
- Funded by the National Board for Higher Mathematics, Department of Atomic Energy, Government of India.
- Annual Grant ₹ 32,00,000/- (Total grant so far in tune with ₹ 2.1 Crores)
- About 5000 books of Teaching and Research Level in Mathematics.
- 46 Journals subscribed; Back volume of 50 Journals
- Free membership to any one 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 INFLIBNET access.
- Supply of photocopies on request.
- Circulation of Library News Letter for to update users outside SPU
- MathSciNet
- SOUL Server

4.3 CENTRAL FACILITIES

(A) UNIVERSITY COMPUTER CENTRE

The Computer Centre of Sardar Patel University is the central hub for providing software and hardware solutions to the entire campus. All the major tasks of various sections like Establishment, Examination, Academic, USIC and Accounts are computerized with the help of the Computer Centre. Payroll processing, Examination Results Processing (Pre, On and Post), Budget preparation, major report preparation, Centralized Admission process, etc are some of the key activities at the Computer Centre.

The University has received 1 GBPS Connectivity under NME-ICT Programme through BSNL. 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.

The computer centre conducts practical for the postgraduate students of Department of Home Science. The same facility is extended to BEd students also.

The computer centre also conducts training and orientation programmes for Teaching faculty and Non-teaching staff.

(B) USIC

University Science Instrumentation Centre (USIC) extends its Maintenance, Repairs and Fabrication Support Services to all the under-graduate colleges and postgraduate departments of Sardar Patel University in the areas of Electronics, Electrical, Mechanical and Glass Blowing. We wide this activity earned consultancy charges of ₹ 2,85,011/- for year 2011-12.

Apart from above, other Utility and Essential services as mentioned and listed below are also offered and provided by USIC on regular day to day basis.

- Audio-Visual Services, Maintenance and Operational for the entire University.
- Operational and Fault Finding / Routine Maintenance for Diesel Generator Sets of the University and Press.
- Light and Heavy Fabrication work at its well-equipped Mechanical Workshop.
- USIC Technicians including maintain entire Telephonic Network of the University maintenance of individual EPABX's housed in PG Departments.
- Air Conditioning and Refrigeration Services of all Window AC's, Water Coolers, Deep Freezers etc is provided by USIC technicians.
- Design and Development of various Instruments as per requirements of Research Scholars.
- Fabrication of Glass Ampoules and other necessary Glassware for Research Scholars.

(C) UNIVERSITY MUSEUM

- In Archaeo-Geo-Zoological Specimen Gallery; two new showcase were added in the displays which is designed to emphasize the Archaeological collection of the Museum. In one focuses it stone tools and implements of early man, and in other showcase it accommodated Harappan antiquities like pottery, terracotta bone as well as and shell objects.
- As a part of rotation display, new group of objects are replaced with earlier object of the same theme and those have been added in the display of Asian Art Gallery
 - Indian Arms and Armours made of bronze and iron
 - Beauty Culture Objects made of bronze
 - Wood Carvings (also includes polychrome wooden objects and bracket figures)
 - Religious Culture Objects made of bronze
 - Tambool (tobacco) Tradition Objects made brass, bronze and silver
- University Museum houses valuable sketches and paintings of Ravishankar Raval. Restoration and re-framing work was successfully completed for 10 such paintings. Now they forms an important part of Museum display.
- University museum has rare photographs on the life of Sardar Patel. These photographs are being restore and get laminated for further preservation. As large in numbers this works is carried out in phase. Restored photographs are displayed in the gallery.
- May 16, 2011; "Role of Museum in an Informal Education" a lecture delivered by Museum curator Mr A A Mohite for the participant college teachers from different Universities under refresher course conducted by UGC Academic Staff Collage, Sardar Patel University, Vallabh Vidyanagar followed by a guided tour to the Museum galleries.
- May 20, 2011; Museum Curator and Asst. Curator have carried out field work at Zarol village, Nadiad where 13th century Solanki (Medieval) period Shaivite stone sculptures are found while digging. Detailed photo documentation was done at the site.

- In June 2011; Museum Awareness Program 2011-2012 has been launched to generate sense of awareness for our cultural heritage among people. As a part of it University Museum has wrote and approached to various (English/Gujarati medium) schools in and around Vallabh Vidyanagar. We asked Schools to contact us and book their visit to the Museum.
- June 13, 2011; “University Museum, its Mission and Thrust Areas” a lecture delivered by Museum Curator for the participant college teachers from different Universities under refresher course conducted by UGC Academic Staff Collage, Sardar Patel University, Vallabh Vidyanagar on June 13, 2011; followed by a guided tour to the Museum galleries.
- “An introduction to University Museum” a slide show arranged for the members of UGC NAAC peer team visited on July 4, 2011 as a part of University reaccrediting process.
- August 30, 2011; as a part of “Museum Awareness Program 2011-2012” and in collaboration with History department of N S Patel Arts Collage, Anand; Museum has organized one day “Museum Orientation Workshop” for the History postgraduate students. Apart from lecture, a power point presentation and object demonstration program was conducted for them. (Photograph 12 and 13)
- Natural preservative Acorus Calamus (called Vaj powder in Gujarati) was used as an insect repellent on trial basis for manuscripts, in display showcases and in store of the Museum. After a month long observation, it was proved successful to prevent insects like silverfish, moth, flies, white ants etc seen in humid condition.
- September 17, 2011; Museum has organized conducted visit for the students of Business Studies department, SP University. An orientation lecture by Museum Curator was followed by a guided tour to the Museum galleries.
- October 19, 2011; an elaborate lecture was delivered to the school students by Museum Curator regarding “An art of Taxidermy” as well as a technique of wet preservation of Zoological Specimen followed by the demonstration.
- In January 2011; as a part of celebrating “Museum Week” during 7 to 14 January and under Museum Awareness programme 2011-12, museum has organized a special activity called “Touch-feel and Learn” for blind and Physical challenged students from Andh-Apang Vikas Mandal, Mogri. There are 60 such students and their 10 teachers have participated in this activity where museum object were allowed them to touch and detailed description was given by museum curator followed by introduction of museum and its activities.
- February 7-9, 2012; Museum curator represented SPU museum at three days workshop on “Prevention Conservation of Arts Objects” organized at Baroda museum and picture gallery with collaboration of INTACH Indian Conservations Institute, Lukhnow.
- February 16-18, 2012; as an institutional member, museum curator attended three days annual conference of IASC – Indian Association for the study of Conservation of culture property organized at Dharohar museum, Kurukhetra University, Haryana
- February 28-19, 2012; University museum has participated in two educational fare organized by Swami Vivekanand Vidyavihar School, Nadiad. Museum curator was one of the chief guest for the inaugural function and he also delivered slide lecture and demonstration for the visitors during the fare. As an outreach activity, museum has also set up a temporary exhibition named “Indian Heritage” at the same place to focus the rich collection of the museum.
- July 2011 to March 2012; Under “Museum Awareness Program 2011-2012”; Museum has started receiving bookings for school visits. In such Museum visits, the students were provided with an

orientation lecture by Curator of Museum 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 (received under the University Central Development Fund) We, hereby proud to quote that 3,545 school students along with 177 teachers have been visited University Museum. (Photograph 8 to 11)

(D) UNIVERSITY HEALTH CENTRE

The University has a very good Health Centre, which was established in 1962. It has been recently renovated and updated. The main objective of the centre is to provide primary prevention against diseases, and to take care of routine health problems.

THE HEALTH CENTRE HAS AN EFFICIENT AND WELL-TRAINED STAFF AS UNDER:

Medical officer	One
Staff Nurse	One
Pharmacist-cum-Compounder	One
Assistant Compounder	One
Dresser cum Peon	One
Sweeper	One

Free medical check-up is carried out for the staff members and the students of the University and affiliated colleges. Free medication is also provided for general and common ailments.

University Health Centre carries out detailed evaluation of all aspects, for Hypertension and Diabetes Mellitus. It maintains separate files for all the enrolled patients. Regular check up, necessary investigation, counselling, health education, necessary advice and treatment are provided free of cost to all Hypertensive and other patients. Our medical officer attends and also makes presentations at National and International Scientific Conferences regularly to update the knowledge in Hypertension and Diabetes.

The Health Centre provides necessary guidelines and treatment for hypertension and diabetes mellitus patients. Further it also organizes various check-up programmes to rule out Diabetes Neuropathy, Diabetes Nephropathy, and Diabetes Retinopathy for all diabetes and hypertensive patients. The Centre screens all diabetes patients with the help of ophthalmologist on first Sunday of every month.

The Health Centre has the facility of Electrocardiogram (ECG) and IV Fluid Supplement to patients suffering from Cerebral Malaria, Typhoid, and Dehydration due to Vomiting & Diarrhea etc, which obviates the necessity of referring the patients to other Hospitals for indoor expensive treatment.

Following consultants render their services regularly to the University Health Centre:

Dr Ravindra Parikh	:	Physician
Dr Nayana Patel	:	Gynaecologist
Dr Anita Singh	:	Gynaecologist
Dr Shyam Kumar	:	Ophthalmologist

The following describes statistically the services rendered by the University Health Center 2011-2012

Month	New	Old	Total	Students	Staff
April – 11	280	217	497	331	166
May – 11	132	256	388	262	126
June – 11	195	292	487	326	161
July – 11	574	323	897	593	304

Aug – 11	530	329	859	579	280
Sep – 11	685	389	1074	734	340
Oct – 11	321	302	623	433	190
Nov – 11	357	348	705	459	246
Dec – 11	355	294	649	438	211
Jan – 12	364	341	705	477	228
Feb – 12	469	384	853	583	270
March – 12	486	419	905	611	294
Total	4748	3894	8642	5826	2816

- Total Regular Patient having Hypertension/ Diabetes / Thyroid / Asthma diseases = **162**
- Total Budget Provision (Medicines) = **13,50,000/-**
- Total Expenditure = **12,63,270/-**
- Total Income = **20,950/-**
- On 5 May 2011, Thyroid function test camp was organized and 45 patients took advantages and 12 New patients were detected positive.
- A dermatology camp was held on 12 April 2011 and 44 patients took advantage.

(E) GUEST HOUSE ACCOMMODATION

DETAILS OF GUEST HOUSE ACCOMMODATION AVAILABLE IN 2011-2012

No.	Facility of Room	Rooms	Total Accommodation Capacity
1.	New VIP (AC Room)	7	14
2.	Old VIP (AC Room)	3	6
3.	Semi VIP (AC Room)	6	12
4.	Faculty Guest House (Non AC Room)	18	36
5.	Dormitory (Non AC Common Room)	2	12

(F) COMMUNITY RADIO BROADCASTING STATION (90.4 MHZ FM)

In 2003, the Union Government of India through their Ministry of Information & Broadcasting, decided to grant Community Broadcasting Radio Station licenses to well established Universities and Institutions. In response to this noble concept of Government of India, Sardar Patel University had applied to Ministry of Information & Broadcasting to have own broadcasting license. The University signed a Memorandum of Understanding (MoU) with the Prasar Bharati, All India Radio, New Delhi in March 2003 to establish a low Power FM Radio Station at the Campus. The University received the necessary clearance from State Govt. of Gujarat, Ministry of HRD through the University Grants Commission, Ministry of Communication & IT, Ministry of Defense, Home Ministry for the proposed community radio station. The University received a letter of intent from the Ministry of Information & Broadcasting in December, 2003 and started establishing a 50 W Transmission Power Community Radio Station at its campus. The antenna of the radio station is fixed up on a guided mast tower at a height of 30 meter from the ground level. The Community Radio Station of Sardar Patel University has been allocated an operating frequency of 90.4 MHz in the FM band through Wireless & Planning Coordination Wing of Ministry of Communication & IT.

The Community Radio Broadcasting Station is established at the Department of Electronics building with the technical support of the staff of Department of Electronics. The Station is having two Nos. of 12' X 20' size acoustically treated sound proof studio rooms, one "Program Recording Studio" and another is utilized as a "On-Air" Cum "Program Production" Studio with all the sophisticated recording plus broadcasting facilities. The University is having 2 Nos. of 50 W FM Transmitter, a Distribution Amplifier, 30 Meter Antenna tower for On-Air Broadcasting. The University is having four channel Stereo Multifunction Console, 18 Channel Digital Audio Work Station for Hard Disk Recording, Phone-In Program Console, Audio CD Recorders, Cassette Recorder, Digital Voice Processor, Professional Broadcast quality Microphones and

Headphones and Monitoring Active Speakers at its studio. The Coverage area of Community Radio Station is 8 Km in all the directions from the station.

The Sardar Patel University has formed two coordination committees for the smooth functioning of the Radio Station. The Technical Committee group looks after all the technical aspects and recording and broadcasting in the Radio Station. While the Program Production, Committee group is responsible for the daily program schedule. Community Radio taking on diverse forms, depending on its surroundings, remains a type of radio made to serve people; radio that encourages expression and participation and that values local culture. The Community Radio Station of Sardar Patel University has now become one part of overall strategy for the development of students and of course teachers' skills. The University is giving an opportunity to the students to become an active member of the radio station and develop a skill of communication. The daily program schedule of radio station covers Lectures, Debates, Panel Discussion, Traditional Songs, University News, Cultural Programs, Health related programs, Institutional Profile, Admission related information, University Examination Results, Job related information, live broadcasting of discussion etc. The students and citizens of the surrounding region participate in live "On-Air" programs of the Radio Station through their telephone service.

The Community Radio Station is arranging technical training for a group of students every year. Five students of **B & B Institute of Technology, Vallabh Vidyanagar** were recruited for a technical training for the period of **14 week** at Radio Station. The radio station is also helping many institutes in Gujarat as well as in the nearby states of Gujarat for establishment of new community radio station.

(G) AGRO-ECONOMIC RESEARCH CENTRE

The Ministry of Agriculture, Government of India established Agro Economic Research Centre at Vallabh Vidyanagar for covering the States of Gujarat and Rajasthan. It is working as an Associate Institute of the Sardar Patel University in close collaboration with the Postgraduate Department of Economics. Therefore, both Department and Centre have been put under the common umbrella of the H M Patel Institute of Rural Development. The Centre takes up various Research Projects on the recommendation of the Government of India and State Governments of Gujarat and Rajasthan. Which year Planning Commission, GOI asked us to take up review work of C-DAPs prepared for district of Gujarat and Rajasthan.

A) RESEARCH PROJECT WORK COMPLETED

- 1) Evaluation of Comprehensive District Agriculture Plans (C-DAPs) of 3 Districts of Gujarat
- 2) Possibilities and constraints for increasing the production of Pulses in India and Impact of National Food Security Mission Pulses in Rajasthan.

B) RESEARCH PROJECT WORK IN PROGRESS AS ON 31ST MARCH 2011

1. Impact of NREGA on wage rates, cost of production, food security and rural urban migration in Gujarat.
2. Impact of NREGA on wage rates, cost of production, food security, and rural urban migration in Rajasthan.
3. Economics of fodder cultivation and its processing and marketing in Gujarat.
4. Impact study of National Horticulture Mission (NHM) Scheme in Rajasthan.
5. Evaluation of Comprehensive District Agriculture Plans (C-DAPs) of 3 district of Rajasthan.

(D) COMPREHENSIVE SCHEME TO STUDY THE COST OF CULTIVATION OF PRINCIPAL CROPS IN GUJARAT

Since 1970, the comprehensive scheme to study cost of cultivation of principal crops in Gujarat has been entrusted to the Agro Economic Research Centre by CACP, MoA, GoI. All

the districts of Gujarat State are divided into 8 homogeneous zones on the basis of crops-pattern, soil productivity, rainfall etc. For providing a wider and varied base for generation of reliable and unbiased estimates of the crops, data collection work is in progress 60 selected talukas spread over 21 district of state. The data is collected in prescribed set of schedules by cost accounting method.

Under the crop complex approach, 10 crops, namely Paddy, Bajra, Maize, Wheat, Tur, Groundnut, Rapeseed & Mustard, Sesamum, Cotton, Onion are selected for study on a continuous and simultaneous basis for three years block of 2008 to 2011.

At present, we are collecting data from a sample of 600 cultivator's drawn from different size group of land holdings. The five size groups are below 1.0 hectare, 1.0 to 2.0 hectares, 2.0 to 4.0 hectares, 4.0 to 5.0 hectares, and 6.0 hectares & above.

Coding work of data collected for study crops, data entry in the computer, including its validation and revalidation is completed for the year 2010-11 and sent it to supporting agency MoA, New Delhi. The said work for the current year 2011-12 is in progress.

(H) HOSTELS

DETAILS OF RECTOR, SUPERINTENDENT, ROOMS CAPACITY, TOTAL STUDENTS, AND OTHER FACILITIES OF SIX HOSTELS OF THE UNIVERSITY

No.	Name of Hostel	Name of the Rector	Name of the Superintendents	Total Room	Students Capacity	Total Students Staying In 11-12	Other Facility
1.	Old Men's Hostel No.1	Dr B B Agja	Dr S M Makwana	78	148	97	With Mess
2.	Nehru Hall Men's Hostel No.2	Dr B B Agja	Dr V D Mogaria	95	198	179	With Mess
3.	BSc BEd Hostel	Dr N R Patel	Shri R M Patel	23	63	18	--
4.	CTE Hostel	Dr N R Patel	Shri R M Patel	27	60	24	--
5.	University Women's Hostel	Dr Nandaben Patel	Smt Kapilaben Mistry, Assist Warden	102	318	289	With Mess
6.	University Women's (NRI) Hostel	Dr Nandaben Patel	Smt Kapilaben Mistry, Assist Warden	09	18	63	--
7.	MBA (NRI) Hostel	Dr J S Panwar	Dr P V Virpariya	26	52	58	--

(I) SPORTS FACILITIES AND GYMNASIUM

SPORTS FACILITIES AND GYMNASIUM

The University has developed its own playground on 15 Acres land. The following facilities are available on this new playground.

1. Basket-Ball court with flood lights : 2
2. Volley-Ball Ground : 2

3.	Kabbadi Ground	:	2
4.	Kho-Kho Ground	:	2
5.	Hand-Ball Ground	:	2
6.	400 Meters Athletic Track	:	1
7.	Foot Ball Ground (Within the track)	:	1
8.	Cricket Ground (Within the track)	:	1
9.	Tennis Court (Cement Court)	:	1
10.	Table Tennis Hall (Indoor for one table)	:	1

SARDAR PATEL UNIVERSITY ORGANIZES INTER COLLEGIATE TOURNAMENTS FOR THE BELOW MENTIONED GAMES.

1. Athletics
2. Basket Ball
3. Badminton
4. Cricket
5. Chess
6. Foot Ball
7. Hand Ball
8. Table Tennis
9. Tennis
10. Kabaddi
11. Kho-Kho

The University also deposes the university team for the participation in the West Zone and All India Inter University Tournaments.

FOR SPORTS ACTIVITY PLEASE REFER TO CHAPTER – V.

(J) UNIVERSITY PRESS

The University Press is an auxiliary service unit of Sardar Patel University, established to cater to the printing needs of the University. Fifteen employees are working in the different sections of the press like, computer unit, plate making unit, offset printing unit and binding unit. The press is now equipped with A3 size colour laser printer, can print small run certificates, fliers, invitation, posters, visiting cards, etc at once. The University Press has isolated examination unit, which comprises data entry computer unit, proof reading hall, photocopying/printing unit and block-wise bundling room. All the question papers are printed in the secure environs of the examination unit under closed circuit TV camera surveillance. The press also prints routine stationery for the University office administration and departments, the monthly University newsletter, and the University journals, admission information booklet and application forms as well as PhD thesis and research publications under various UGC schemes.

4.4 INFRASTRUCTURE IN POSTGRADUATE DEPARTMENTS

(1) DEPARTMENT OF BIOSCIENCES

1. Phase contrast microscope (American Optics)
2. Photomicroscope (Carl- Zeiss)
3. Fluorescence microscope (Carl-Zeiss)
4. MPM 400 Photo Metry, KS 3000 Image Analyzer (Carl Zeiss)
5. Gas Chromatographs (Sigma, Chemito)
6. HPLC (Agilent)
7. HPTLC (Camag)
8. FPLC (Biorad)

9. TOC & TN analyzer (Shimadzu)
10. Elisa plate reader (UV-Visible) (Microdevices)
11. 2-D Gel electrophoresis unit with Isoelectric focusing facility (Biorad)
12. UV visible spectrophotometers (Heawlett– Packard, Unicam Beckman, Systronic)
13. Atomic absorption spectrophotometer (Analytic Jena)
14. Fermentor (New Brunswick)
15. Lyophiliser (FTS)
16. Themocycler (Eppendorf)
17. Gel documentation system – Gene line
18. Deep Freeze (-86° C) (Sanyo)
19. Ultramicrotome (Reichert)
20. Cryocut (leica)
21. Hybridization Oven
22. UV-Cross linker
23. Gas-Chromatograph System
24. Computer Laboratory with internet facility
25. Departmental library
26. Tissue culture laboratory
27. Animal house
28. Botanical garden
29. Herbarium
30. Phytoresource centre
31. Zoological museum

(2) DEPARTMENT OF CHEMISTRY

1. Differential Scanning Calorimeter (DSC) Make: TA Instruments, USA Model: 2920 DSC/TA 5000
2. Thermo gravimetric Analyser & Differential Thermal Analysis (TGA / DTA) Make: TA Instruments, USA Model: 2960 Sdt/Ta5000
3. Infrared Spectrophotometer (FT-IR) Make: NICOLET, USA Model: Impact 400 D
4. UV-VIS Spectrophotometer Make: Shimadzu, Japan Model: Uv-160a
5. High Pressure Liquid Chromatography / Gel Permeation Chromatography (HPLC/ GPC) Make: Waters, USA Model: Waters 600 E (Controller) Waters 991-Pda Waters 470 Scanning Fluorescence Detector Waters 410 Differential Refractor Meter
6. Soxhlet Extraction Apparatus
7. Vapour Pressure Osmometer Make: Knauer, W Germany Model: K7000
8. Thermal Stability Tester
9. Chno-Elemental Analyzer Make: Heraeus. W Germany Model: Chn-O Rapid
10. Instron Universal Testing Machine Make: Instron Utm, Uk Model: Table – III
11. Heat Deflection Temperature (Hdt) And Vicat Softening Point (VSP) Make: Cast, Italy Model: 6505/000
12. Pendulum Impact Tester Make: Zwic, Italy Model: 1501
13. Laser Refract meter Make: Wyatt Tech., USA Model: Dawn Eos
14. Vibrating Sample Magnetometer (VSM) Make: Lakeshore, USA Model: VSM 7304
15. Polarographs Make: ELICO, India Model: Cl-90
16. Melt Flow Indexer
 - (a) Flash & Fire Point Tester (Clave And Open Cup)
 - (b) Flash Point By Pensky-Martens Closed Cup
17. Smoke Point Apparatus
18. Flammability Tester
19. Cloud and Pour Point Tester
20. Aniline Point Apparatus
21. Distillation Apparatus
22. Needle and Cone Electrometer
23. Specific Gravity Balance

24. Carbon Residue By Rams bottom Method
25. Redwood And Say bolt Viscometer
26. Brookfield Viscometer Make: Brook Field, USA Model: DV-II
27. Brabender Plasticorder Make: Brabernder Organization, W Germany Model: PLE 651
 - (a) Brinell Hardness Tester Make: Hungary Model: AS-111
 - (b) Shore –A Hardness Meter
28. Air Circulating Oven
29. Muffle Furnace
30. Compression Set Tester
31. Ubbelohde Viscometer
32. Din Abrasion Tester Khushboo, Mumbai
33. Falling Dart Impact Tester Khushboo, Mumbai
34. Adhesion Tester Khushboo, Mumbai

(3) DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

1. IBM X-Series 225 [Server Machine]
2. Compaq ML530 [Server Machine]
3. Compaq Alpha DS10 [Server Machine]
4. Sun Ultra 10 [Server Machine]
5. HP Net Server E60 [Server Machine]
6. Compaq ML330e [Server Machine]
7. High-end Graphics Workstation from HP
8. IBiostation software package bundle
9. EDUSAT satellite receiving equipment set for the College to Career programme
10. All popular operating systems, including compilers as well as development software packages

(4) DEPARTMENT OF ELECTRONICS

1. Vacuum Coating Unit with Electron Beam Gun – 3 KW (Hind High Vacuum Ltd Make 15", Model 15F64) (1 No.)
2. Vacuum Coating Unit with LN & DT (Hind High Vacuum Ltd. Make, Model 12A4D) (1 No.)
3. Vacuum coating Unit (USIC Make) (2 Nos.)
4. Multi Channel ISE/Ph/mV/ORT/Temp Bench Top Meter (Orion Make, 9201) (1 No.)
5. Precision LCR Meter (Agilent Make, 4284A) (1 No.)
6. Digital Image Processing Hardware & Software (Colour CCD Camera Colour Frame Grabber Card) (1 No.)
7. Process Controller Trainer with Temperature and Liquid Level (Apex Engineering Make) (1 No.)
8. Laminar Flow work Station (Kirloskar Make) (1 No.)
9. Fibre Optic Communication System (Benchamark Make) (2 Nos.)
10. Digital Communication System (Feedback Make, DCS – 297) (1 No.)
11. Antenna Trainer (Scientech Make, ST 2261) (1 No.)
12. Total Rework Station (Hakko Make, 720B) (1 No.)
13. PCB Inspection System (Matey Make, SL – 60) (1 No.)
14. PCB Drilling / Shearing / Etching Machine / Photo Resist / Dip Coating / Dye Developer (Crescent Make)
15. Digital Communication Training System (Falcon Make) (1 No.)
16. Programmable Logic Controller (PLC) (Ansuman Make, XPO PLC)
17. Logic Scope (20 MHz) (Scientific Make, 201 LS) (1 No.)
18. Digital Storage Oscilloscope (Scientific Make, HM – 202 – 2) (1 No.)
19. Handy Scope (ADSO) (Hameg Make) (1 No.)
20. Programmable Power Supply (Hameg Make, HM – 7044) (2 Nos.)
21. Logic Analyzer (Promex Make, AL – 320) (1 No.)

22. Power Scope (International Make, TE – 9) (1 No.)
23. Multifunction Universal system (Motwane Make, MS9160) (2 Nos.)
24. LCD Multi Media Projector (Toshiba & Philips Make) (2 Nos.)
25. Computer System with UPS and Printer (10 Nos.)

(5) DEPARTMENT OF HOME SCIENCE

1. HPLC, GLC, Fermentor, UV visible spectrophotometer, Fluorimeter etc.
2. Major and minor equipments such as Electronic balance
3. High Speed Refrigerated Micro Centrifuge
4. Refrigerated Incubator Shaker
5. Bacteriological incubator
6. Muffle furnace
7. Fluoride pttmeter (orion make)
8. Flame photometer
9. Laminar Air flow
10. Digital spectrophotometer
11. Transilluminator
12. Autoclave
13. Hot air oven
14. Lyophiliser
15. Refrigerator
16. BOD Incubator
17. Microscopes
18. Tensile tester
19. Dress forms (Dummies)
20. Twist Tester (Hand operated)
21. Tearing Strength Tester
22. Padding mangal - Hand Operated
23. Crease recovery tester
24. Washing machine
25. Computers (11)
26. Printers (10)
27. Scanner (2)
28. Copier Machine etc.

In all the instruments in the department number around 400 approximately

(6) DEPARTMENT OF MATERIALS SCIENCE

1. Scanning Electron Microscope Hitachi S-3000N
2. Renishaw in Via Raman Microscope
3. Mettler Thermal Analysis System TA 4000 up to 1000oC and 1600oC
4. Micromeritics ASAP 2020 Surface Area and Porosity Analyzer
5. Micromeritics Gemini BET Surface Analysis System
6. Instron Universal Testing Machine 5500
7. Shimadzu UV-Visible Spectrophotometer
8. Shimadzu FTIR 8300 Spectrophotometer
9. Systronics Flame Photometer
10. Leitz Optical Microscope Metloplan 12POLLS
11. Digital Rockwell Hardness Tester (TRSDM)
12. Particle Size Analyzer
13. Laboratory scale spray drier
14. Gas Chromatograph, Sigma
15. Mettler Toledo Densitometer
16. Dynisco Mini mix Extruder
17. Hot Isotatic Pressing
18. LEICA DFC 300FX Image Analyzer
19. Thin Film Coating Unit
20. Carbonisation and Activation furnaces
21. Heat treatment Furnaces up to 1000oC, 1750oC and 2500oC
22. Impregnation Chamber
23. Machine shop for sample preparation, polisher, sieve analysis, surface grinder etc
24. Facilities for development of inorganic and hybrid gels: Stirrers, Drying Ovens,

25. Facilities for development of model fiber reinforced composites: Filament winding, prepregging, moulds and Hydraulic press etc.

(7) DEPARTMENT OF MATHEMATICS

(a) Departmental Mathematics Library

1. NBHM Regional Library earning annual grant of ₹ 32 Lakh
2. Total Library Grants earned so far around ₹ 2.7 crores
3. Number of National/International Journals subscribed: 46
4. Number of users (excluding the department staff and students): 70
5. Approximate number of books in the library 7000
6. Back volumes of the journals: since 1971
7. Internet connectivity made available to the users
8. INFLIBNET available on 25 computers
9. Photocopying Facility: made available to users

(b) Computer Laboratory

1. Around 60 networked computer systems
2. Mathematica 3.0
3. MACSYMA
4. LaTeX
5. MatLab

(c) TV, VCR, Audio System, Amplifier, MM Projector, Interactive board, Telescope, Slide projector, OHP, Camera

(8) DEPARTMENT OF PHYSICS

1. Hall Measuring Assembly 'Lake Shore'.
2. 'Seifert' Highly stabilized X-ray generator.
3. 'Hind Hivac' vacume box coater BC 300.
4. Trinocular upright metallurgical Microscope model AXIOTECH, Carl Zeiss make.
5. 'Agni' high temperature furnace (1700 C).
6. Variable temperature compact optical closed cycle cryogenic refrigerator system.
7. Microprocessor controlled freeze-drier with accessories-Lipholiser.
8. 'Sigma' 2k Centrifuge.
9. Getener trinocular IC2000M microscope with CCTV system.
10. Multimedia projector.
11. 'HP' LCR meter.
12. Computer system with necessary accessories.
13. Hydraulic compression testing machine.
14. Potentiostatic/ Galvenostatic system.
15. Green Laser Source.
16. Optical microscope with long working distance.
17. Optical absorption measurement setup for high-pressure measurements using DAC.
18. Vibration Isolation system, Honeycomb structure, SANDVIC make (for mounting High Pressure absorption measurement set-up).

(9) DEPARTMENT OF STATISTICS

1. Well established computer lab with around 30 computers
2. Statistical software SPSS

(10) DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

1. Well established computer lab with around 30 computers
2. Statistical software SPSS
3. Other software
4. Digital Camera
5. Video Camera
6. TV Set
7. VCR

8. Multimedia Projectors

(11) DEPARTMENT OF ENGLISH

1. Library of Sounds
2. Language Laboratory
3. Recording Laboratory

(12) DEPARTMENT OF HINDI

1. Passenger-Vehicle (Matador)-01
2. Video-Camera-01, Ordinary Camera-01
3. Tape-Recorders-02, OHP-01, Sound-System
4. LP Records, A/V Cassettes
5. Computer-Set
6. Stage-Lights
7. Dimmer-States, Stage-Property
8. TV Set, VCR

**4.5 NEW CIVIL WORK IN PROGRESS/COMPLETED IN THE YEAR
2011-2012**

No.	Particulars	Cost	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 Crore	In Progress
10.	Campus Development	60 Lakhs	In Progress
11.	Gymnasium Hall Construction	5 Crore	In Progress

CHAPTER-5

STUDENT SUPPORT AND PROGRESSION

We are a rural university and our student population demographically comes largely from rural areas, with a significant number of them commuting between surrounding villages and Vallabh Vidyanagar. This localized nature of students profile is an outcome of the policy of the Government of Gujarat which stipulates that 87% seats in the grant-in-aid and self-financed institutions be reserved for students of the same university, compatible with general reservation policy of the Government on the one hand, and an indicator of rural regeneration through education in progress on the other. It is aimed particularly at underprivileged/disadvantaged classes of society like SC/ST/OBC, women etc.

Nevertheless, for more than a decade now, this demography of a localized student profile has come to get significantly altered on its own due to students from urban areas and those from outside the state competing on merit for admission not only to the state-aided seats but also self-financed seats. Facilitation of admission of students from outside the state beyond the 3% quota set aside for them on state-aided and self-financed seats has been made possible due to various UGC schemes like SAP-DRS, CAS etc mandating a 20% student intake from universities other than those in the state.

High Quality of education, need-based specialised contemporary programmes and a highly professional work culture in self-financed institutes and programmes leads to a large number of students from all over the country getting attracted to these programmes. This has apparently brought about a semblance of balance in our student profile.

5.1 TALENT SEARCH AND NOURISHMENT

Both our teachers and the teaching programmes we offer in the University Departments are quite sensitive to the demands of talented students highly committed to specific goals. The University reciprocates by designing, special optional programmes for such students with a view to providing them with a platform for active interaction with the faculty. This has strengthened their effort to crack exams like NET-JRF, SLET, GATE, CAT etc. The idea is also to provide hands-on experience through projects, term papers, organising and participating in advanced level conferences and seminars. The information of the students who have cleared the prestigious examinations has been tabulated elsewhere in this report.

5.2 COACHING PROGRAMME FOR SC/ST

The UGC, New Delhi has sanctioned two Coaching Centres for NET/NETURE for students from SC/ST and Minority Communities to prepare them for National Eligibility Test (NET) so that sufficient number of candidates becomes available for selection of Associate Professor in the University System under X – Plan.

5.3 PHYSICAL EDUCATION

Sardar Patel University had organized various Inter Collegiate tournaments in the year 2010-2011. The result of the same is furnished below.

Sardar Patel University had organized various Inter Collegiate tournaments in the year 2011-2012. The result of the same is furnished below.

MEN'S SECTION

GAME	WINNER	RUNNER'S UP
Cricket	BJVM	J M Patel Arts College
Tennis	N V Patel Science College	SEMCOM
Volleyball	C P Patel & F H Shah	Bhikhabhai Patel Arts College
Kabaddi	C P Patel & F H Shah	V Z Patel Commerce College
Kho-Kho	Bhikhabhai Patel Arts College	V P Science College
Badminton	PG Department	SEMCOM
Basketball	SEMCOM	M B Patel Science College
Table Tennis	ISTAR	P S Medical College
Handball	Bhikhabhai Patel Arts College	C R Patel & F H Shah
Football	ARIBAS	NVPASS
Chess	ARIBAS	ISTAR
Athletics	V J Patel College of Phy. Edu.	N S Patel Arts College

WOMEN'S SECTION

GAME	WINNER	RUNNER'S UP
Volleyball	SEMCOM	BJVM
Kabaddi	Bhikhabhai Patel Arts College	N S Patel Arts College
Kho-Kho	Bhikhabhai Patel Arts College	N S Patel Arts College
Badminton	SEMCOM	D C Patel Architecture
Basketball	SEMCOM	NVPASS
Table Tennis	ISTAR	P S Medical College
Athletics	Bhikhabhai Patel Arts College	N S Patel Arts College

5.4 YOUTH WELFARE AND CULTURAL ACTIVITIES

Activities organized

Sardar Patel University organizes Inter Collegiate Youth Festival Competition every year for the students of the affiliated colleges and departments. University also deputes a team for participation in the West Zone Inter University Youth Festival Competition. The cultural events of the Youth Festival are shown below:

1. MUSIC EVENTS / ITEMS:

- (a) Classical Vocal Solo
- (b) Classical Instrumentation Solo (Percussion)
- (c) Classical Instrumentation Solo (Non Percussion)
- (d) Light Vocal Solo
- (e) Western Vocal Solo
- (f) Groups Song Indian
- (g) Group Song Western

2. DANCE ITEMS:

- (a) Classical Dance
- (b) Folk Dance

3. LITERARY ITEMS:

- (a) Debate
- (b) Elocution
- (c) Quiz

4. THEATER ITEMS:

- (a) One Act Play

- (b) Skit
- (c) Mime
- (d) Mimicry

5. FINE ARTS ITEMS:

- (a) On the spot Painting
- (b) Poster Making
- (c) Collage
- (d) Clay Modeling
- (e) Cartooning
- (f) Rangoli

No.	Event Name	Position	College
1	Classical Vocal Solo (Hindustani/Karnatic)	First	SEMCOM
		Second	H M Patel Institute of Eng. Training & Research
		Third	R M Desai Music & Dance College
2	Classical Instrumental Solo Percussion	First	SEMCOM
		Second	R M Desai Music & Dance College
		Third	Anand Arts College
3	Classical Instrumental Solo Non-Percussion	First	ARIBAS
		Second	R M Desai Music & Dance College
		Third	SEMCOM
4	Light Vocal (Solo)	First	SEMCOM
		Second	BJVM
		Third	Department of Home Science
5	Western Vocal(Solo)	First	SEMCOM
		Second	ARIBAS
		Third	Sardar Patel College of Adm. & Mgt.
6	Group Song (Indian)	First	SEMCOM
		Second	H M Patel Institute of Eng. Training & Research
		Third	C Z Patel of Business & Management
7	Group Song (Western)	First	SEMCOM
		Second	M B Patel Science College
		Third	ARIBAS
9	Quiz	First	ILSASS
		Second	ARIBAS
		Third	M B Patel Science College
10	Debate	First	H M Patel Institute of Eng. Training & Research
		Second	NVPAS
		Third	SEMCOM
11	Elocution	First	SEMCOM
		Second	ARIBAS
		Third	ILSASS
12	One Act Play	First	SEMCOM
		Second	MSW Department
		Third	M B Patel Science College
		Third	ARIBAS
13	Skit	First	M B Patel Science College
		Second	SEMCOM
		Third	ARIBAS
14	Mime	First	M B Patel Science College
		Second	ARIBAS

		Third	SECOM
15	Mimicry	First	NVPAS
		Second	D N Institute PG Studies
		Third	Gujarati Department
16	On the Spot Painting	First	SECOM
		Second	NVPAS
		Third	CVM College of Fine Arts
17	Collage	First	ILSASS
		Second	Department of Home Science
		Third	H M Patel Institute of Eng. Training & Research
18	Poster Making	First	H M Patel Institute Of Eng. Training & Research
		Second	SECOM
		Third	M B Patel Science College
19	Clay Modeling	First	SECOM
		Second	CVM College of Fine Arts
		Third	St. Stephan College
20	Cartooning	First	ILSASS
		Second	ARIBAS
		Third	S M Patel College of Home Science
21	Rangoli	First	N S Patel Arts College
		Second	C Z Patel of Business & Management
		Third	Gujarati Department
22	Spot Photography	First	ARIBAS
		Second	SECOM
		Third	N S Patel Arts College
23	Classical Dance	First	ARIBAS
		Second	S M Patel College of Home Science
		Third	ILSASS

5.5 STUDENTS' UNION IN THE UNIVERSITY

All the Colleges affiliated to Sardar Patel University have Student Central Committees, presided over by the Principal, and assisted by a teacher as an ex-officio member. The Principal concerned on the basis of merit selects the General Secretary, other Secretaries, and Class Representatives. Some colleges conduct elections. In postgraduate departments also the central committees are formed select extra curricular and co-curricular activities are organised regularly under the supervision of the ex-officio member.

5.6 ALUMNI ASSOCIATION

We have formed our own Alumni Association in addition to those active Associations in countries like USA, UK etc. Apart from this, some Postgraduate Departments have formed their own Alumni Associations, which are actively engaged on organizing Annual Meeting and Academic Events. These are as follows:

No	Department	Alumni Association
1.	Business Studies	Department organized Alumni Meet in 17 th March, 2012. The department registered members and collected donation from those students who have been awarded MPhil and PhD degrees during the year.
3.	Home Science	One meeting of Alumni of the department held on 7 th October 2011 at 6.00 P.M. to discuss formalization of Alumini Association.
4	Library and Information Science	One state level seminar jointly organized by the Alumni Association and Department on "Social Responsibility of Library & Information Science Professional" on 20 th November

		2011.
5	Materials Science	Alumni Meet was organized on 29 th December 2011 in Department of Materials Science. Past students came for the MEET with their families and shared their past experiences of Department with current students. Birthday Greetings are sent to all members of Alumni Associations New Year Greeting with achievements of the Department are sent to all members of Alumni Associations
6	Business Administration (MBA)	Organized Alumni Meet – 2012, in February, 2012 on Second Sunday like every year, In all 66 alumni attended alumni meet 2012 on 5 February. Alumni had experience sharing with present students in variety of ways to make them more suitable for years ahead. An Alumni Cell is functional to interact with Alumni who visit during the year, as well.

5.7 FREE STUDENT SHIPS / SCHOLARSHIPS/ FELLOWSHIPS

FELLOWSHIPS

The University awards fellowships and free-studentships to the deserving and needy students. At present, the University has instituted several junior and senior fellowships, each worth ₹ 100/- per month. The Government of India encourages scientific and industrial research work of Doctorate standard in the University by awarding scholarships to enable deserving students to carry out research.

FREE-STUDENTSHIPS

The total number of free-studentships available in each department is 5% of the total strength of the department. Free-studentships are awarded to the postgraduate students reading for their Master's degree, who are otherwise not eligible for the Economically Backward Class Free-studentships or Scholarships for the Scheduled Caste, Scheduled Tribe and other Backward Class students.

EBC free-studentships are awarded by the State-Government and the students are required to apply through the University in the prescribed form available from the University office along with the following certificate:

- Certificate of income of family from all sources, from the First Class Magistrate/ Mamlatdar/ TDO as the case may be.
- If the candidate or his guardian is an agriculturist, a copy of the extracts from village from VII-XII in respect to lands possessed by him/them.

Likewise, students applying for the Scheduled Caste, Scheduled Tribe and Other Backward Class scholarships are required to furnish the following certificates

- Caste certificate from the concerned Social welfare Officer.
- Income certificate for Other Backward Class student from Mamlatdar/ Mahalkari / TDO as the case may be.

SCHOLARSHIP/FINANCIAL AID TO STUDENTS

Financial assistance is provided to deserving postgraduate students of the University by way of Scholarships, Fellowships, and Free-studentships. Various research scholarships were awarded during the year by Governmental agencies viz. Ministry of Education University Grants Commission and Council of Scientific and Industrial Research and a few Private agencies to students reading for their PhD degree.

The details regarding various Scholarships/Fellowships/Free-Studentships etc Awarded by the university are as under:2011-12

No	Name of the Project / Fellowship	No of students	Amount (₹)
1	University free studentship	2	2400.00
2	University fellowship	3	3600.00
3	Self-finance free Studentship	69	10,54,500.00
4	Private Endowment Scholarship	4	14,400.00
Total		78	10,74,900.00

Research Scholarship / Fellowship Awarded 2011-12

No	Name of the Project / Fellowship	No of students	Amount (₹)
1	JRF	9	22,63,113.00
2	CSIR	6	9,54,165.00
3	RGNF	4	38,75,831.00
4	Indira Gandhi Single Girl Child	5	1,40,000.00
5	Dr D S Kothari Research Scholarship	1	1,59,600.00
Total		25	73,92,709.00

Category of Students – 2011-12

No	Name of the Project / Fellowship	No of students	Amount (₹)
1	SC Scholarship	319	19,05,063.00
2	ST Scholarship	223	27,24,461.00
3	Handicap Scholarship	6	18,000.00
4	Gujarat Higher Education Scholarship	3	13,000.00
5	Miscellaneous Scholarship	1	5,000.00
6	EBC Scholarship	20	24,000.00
7	Baxipanch Scholarship	150	6,22,121.00
Total		722	53,11,645.00

5.8 SC/ST CELL

The guidelines issued by UGC, Government of India, State Government and various agencies regarding reservation policy for admission to the colleges as well as Postgraduate Departments'. Recruitment to teaching and non-teaching posts, provision of accommodation in hostels, allotments of staff quarters etc in respect of SC/ST have been circulated to all concerned and are being implemented. The SC/ST Special Cell, which takes necessary steps to display all Notification/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 castes/scheduled tribes were strictly followed and implemented.

University Grants Commission has laid down certain norms and initiated programme to implement the reservation policy for SC/ST in the University and affiliated colleges to provide special facilities to students from these communities for their upliftment and welfare as per instructions/orders given by the Government of India.

SC/ST Cell is also monitoring the progress of the NET coaching classes with the help of financial assistance by the UGC, New Delhi for SC/ST and minority candidates and provided the guidance for competitive examination.

Important decisions taken by the University Advisory Committee for Scheduled Castes/Scheduled Tribes were strictly followed and implemented.

The Roster Policy has already been implemented in the University.

SC/ST Cell also work in coordination with the help of the Establishment Section to implement the reservation policy as per the Roster Register and try to fitful the backlog for University teaching and non-teaching posts.

SC/ST Cell also provides guidance to the Academic Section at the time of Admission process and takes necessary measure to insure that Reservation policy of the Government be maintained at the time of Admission procedure.

5.9 PLACEMENT CELL

A Career and Counseling Cell of the University is operating in the old Bio-Sciences Department. The Cell has organized various placement drives in Collaboration with various departments; many companies mention below in the department wise activity visited the campus and recruited more than 100 students to placement drive. Prof H J Jani is appointed as Honorary Co-ordinator and Dr D J Karia is appointed as a Placement Officer. Following Departments have established placement cells for helping the students to have placement opportunities when they are continuing in the Master's Programme:

The Departmental cells are quite active in addition to placement facilities; these cells provide career counselling to the students.

DEPARTMENT OF CHEMISTRY

37 Students received placement in various Industries in 2011-12.

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

The Department Placement Cell carried out placement activities for the students of MCA programme, with various organizations including TCS, Vrindi Pvt Ltd, etc.

DEPARTMENT OF EDUCATION

Most of the MEd students are having opportunity of employment because, there is hectic expansion of teacher Education institutions. GCERT also recruits MEd students. The departmental activity is limited to information providing to employers and to help students informally.

DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

The Department is doing Placement activities and almost 95% students received good placement by the efforts of the Department.

DEPARTMENT OF MATERIALS SCIENCE

No.	Name of Students	Placement
1	Ranjit Gohil	Jindal Steel, Kutch
2	Vishakha Patil	Fine Finish Organics, Talol, Bombay

3	Ajay Loncha	L &T, Surat
4	Ajay Chavda	Apollo Tyres, Vadodara
5	Alpesh Patel	Halol
6	Hemang Darji	Savli
7	Manoj Soni	Molex, Gandhinagar
8	Paresh Patel	PPL, Silvas
9	Prayag Kansagara	PPL, Silvas
10	Jainam Mehta	HR Johnson Ltd, Mumbai
11	Divya Balakrishnan	Fine Finish Organics, Talol, Bombay
12	Sandeep Trivedi	Asian Paints, Ankleshwar
13	Jagdish Deora	Kerala
14	Kiran Rao	Bharuch
15	Ankesh Rokad	KEMROCK, Baroda
16	Yogendra singh gohil	Packaging Industry, Ahmedabad
17	Vishnu Yadav	Packaging Industry, Ahmedabad
18	Dharmesh	Cera glass, Kadi Kalol
19	Ranjithsingh Zala,	Leather company, Vadodara
20	Sidharth Gokhale	Leather company, Vadodara
21	Manish Vaghela	Leather company, Vadodara
22	Bhavesh Patel	Leather company, Vadodara
23	Dharmesh Nandanj	Parikh Packaging Industry, Ahmedabad
24	Narendra verma	Parikh Packaging Industry, Ahmedabad

DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

During the year 2011-2012, 16 Organizations visited our Campus, resulting in 80% placement for the students. The Average Salary of Placement was ₹ 2,50,000/-.

CHAPTER – 6

ORGANIZATION AND MANAGEMENT

The university has a long-standing tradition of leadership in all walks of academic as well as administrative life. The university has been fortunate to have the tall academic leaders in the form of Vice Chancellors and these include Shri Bhailalbhai Dyabhai Patel, Shri Babubhai J Patel, Professor R S Mehta, Professor R D Patel, Professor P J Patel, Professor Harish Padh etc who, in addition to their constitutional functions, have also motivated teachers aim and achieve developing higher standards. The Registrars of this university and the distinct culture of this geographical area reflect leadership in a very different way. Most of the village folk belonging to this area, culturally called Charotar, who had settled in different countries of the world about 150 years ago, are now settled in the UK and the USA. The name of Sardar Patel is well known for his unflinching zeal in the service of his people and this was well ingrained in the university system that made this university known well all over the world in short span of half a century.

The traditionally established discipline in the university system provides an opportunity to think in a creative way for the better performance of the university as a whole. This university is an affiliating university encompassing a small geographical region. It caters to the needs of approximately 40,000 to 42,000 students distributed in 11 faculties in 86 affiliated colleges. As a result, it faces the problem of inadequate staff in academic and administrative sections. The leadership faces these problems interacting from macro to micro and vice versa in a way that some parameters, not in control of the system, like finance, timely recruitments, centralised admissions independently so that it does not affect the system adversely.

The university is aware about its goal reflecting quality inclusion of all the aspects of higher education right from its inception. The mission statement of the university is: "Education without character is of no value. We must be intent in producing citizens of India and not the helpless ones loitering for jobs." This combines the ultimate goal of education as character building of independent citizens able to generate self-employment. It is amazing that in 1955 this mission was a message to the university and the society. The goals are to fulfil the mission in terms of the targets for achievement. The fruits of knowledge are good conduct and character, ever elevating each other. It reflects great concern of this university historically. The scholars who render their expertise in the university also send out this message to generations of young aspirants coming here for further studies or for teaching because learning in the absence of any one of this pair makes the process insipid. The university devises technology as a supportive system, and ensures that both the teacher and the taught are focused on learning. This reflects quality on three basic fronts, viz. teaching, research and extension. It is not as if corporate activities are ignored. These also get a fair share of attention from the teaching fraternity as mandated by the UGC and, therefore, the University.

Major statutory academic bodies of the university include Boards of Studies, Faculties, Board Postgraduates Studies Research, Academic Council, Syndicate, and Senate Each of these bodies considers proposals, discusses them at length and decides on policy before passing the proposals on to the next higher body. Consequently, quality is perceived and pursued naturally, without wasting time and energy in mere discussion. The official interactions between the administrative and academic units are bilaterally gainful for making the functioning more effective and efficient both ways in quite an amicable manner. Administrative sections and their intersectional communications make the whole system goal-oriented.

The Following describe the number of meeting held in the year 2011-2012

6.1 STATUTORY DECISION MAKING BODIES OF THE UNIVERSITY

	Important Bodies	Meeting Held	Total Members
A	Senate	01	208
B	Syndicate	19	26
C	Academic Council	02	70
D	Board of Postgraduate Studies and Research	01	59
E	Faculties		
	Faculty of Arts	01	148
	Faculty of Science	01	185
	Faculty of Business Studies	--	89
	Faculty of Management	01	40
	Faculty of Education	01	38
	Faculty of Home Science	01	11
	Faculty of Law	--	05
	Faculty of Homoeopathy	--	10
	Faculty of Medicine	01	40
F	Boards of Studies		
	Hindi	01	25
	Gujarati	01	20
	Sanskrit	01	11
	English	01	24
	History	01	09
	Logic and Philosophy	01	02
	Sociology	01	11
	Psychology	01	08
	Economics	01	20
	Political Science	01	08
	Geography	01	03
	Co-Operation	01	03
	Library Science	02	03
	Music and Dance	01	01
	Mathematics	01	14
	Statistics	01	14
	Chemistry	01	30
	Physics	01	26
	Biosciences	03	45
	Industrial Chemistry	01	11
	Computer Science	01	26
	Electronics	01	15
	Materials Science	01	04
	Commerce and Business Studies	--	32
	Accountancy	--	27
	Banking	--	02
	Management	02	40
	Education	02	38
	Law	01	05
	Home Science	01	11
	Homoeopathic	01	10
	Clinical	01	19
	Paraclinical	01	12
	Pre-Clinical	01	09

G	AD-Hoc Board		
	Master in Urban Planning	--	04
	BArch	--	10
	Social Work	01	10
	Bioinformatics	--	10
	E-Business	--	08
	Diploma Course In Orthopedics	--	08
	Instrumentation	01	06
	Master of Valuation (Real Estate) and Master of (Plant & Machinery)	--	09
	Interior Design	01	11
	Master of Public Administration	--	05

6.2 UNIVERSITY FINANCE

The operating budget of the institutions is adequate to cover their day-to-day expenditure. Notwithstanding the fact that the State Government sometimes fails in releasing the adequate monthly grant in time creates pressure on the fiscal resources of the University, the pressure is eased using the funds available from the self-financing programmes and courses. The maintenance budget of the University is insufficient with reference to its assets, mainly because the Government, though based on value estimated three years ago, provides only 3% of the book value of the assets. The University accounts have been audited regularly, and a mechanism has been established for internal as well as external audit.

Three initiatives have been undertaken to ensure proper financial management in the University. (1) The University appointed a High-Powered Committee in 2003-04 to coordinate and streamline the financial aspects of the Postgraduate Departments as well as the Administrative Unit, and its recommendations have been implemented. (2) An internal auditor, who is a qualified chartered accountant, audits and approves each bill prior to payments being made, and then puts up the monthly report before competent authorities of the University. (3) The Executive Council has also appointed a Financial Advisory Committee for overseeing fiscal management and providing guidelines to ensure that the financial health of the University is maintained.

SYSTEMS OF ACCOUNTS

1. Maintenance Accounts (Non-Plan), dealing with revenue receipts and expenditure of the university.
2. Development Account (UGC Plan), dealing with the development of the university. The expenditure is being met out of the five-year plan.
3. Earmarked (Specific) and Endowment Funds, dealing with the transactions in connection with the earmarked research projects and awarding scholarships and medals. Conferences and other specified purposes are funded by various agencies namely UGC, DST, DAE, CSIR, NBHM, DRDL, ICAR, NDDDB, State Governments etc.
4. Self Financed Courses: Separate accounts are maintained and expenses are being met from the resources.
5. Debt, Funds and Deposits relate to the receipts and payments in connection with the Provident Fund and other various receipts.

CHAPTER-7

HEALTHY PRACTICES/INNOVATIVE PRACTICES

The National Assessment and Accreditation Council, Bangalore, which was established as an autonomous body by the UGC used to seek self-appraisal also on best practice within the university where their Peer Team would be sent for making an assessment and recommending accreditation in its initial years. The nomenclature has not changed within the manual for self-appraisal reports but the headings changed from best practices to healthy practices to innovative practices.

There has been a paradigm shift in the terminology used in the documentation of National Assessment and Accreditation Council (NAAC) from *Best* to *Healthy* and then on to *Innovative Practices*. There are references to the first among the terms within the text of manual NAAC has on offer on self-appraisal, and all these constitute the benchmarks of quality. A benchmark is understood as a standard (object, quality, or measure serving as a basis, example, or principle to which others conform or should conform or by which others are judged) or point of reference.

We take the relevant meanings of these three terms as follows: *best* as a reference that is the most desirable or excellent; *healthy* to something having, showing, or promoting good health; and *innovative* as the act or process of changes initiated using experience by bringing in new methods, ideas etc to bear on what is being done. Wikipedia, the free encyclopaedia, defines the term *best practice* as ‘a method or technique that has consistently shown results superior to those achieved with other means, and that is used as a benchmark.’ Best practices ensure the maintenance of quality and constitute ‘a feature of accredited management standards’.

We take the paradigm shift in the NAAC terminology as indicative of a movement along a cline beginning with changes initiated by seeking to implement, if not actually implementing right away, new ideas aimed at raising the level of the area of activity/system/process in question to something more desirable so as to promote a reasonably sound system of working. Innovations are creative in nature and require conceptualisation to precede policy interventions that must be made as and when required to replace intervals ineffective systems/processes/activities by those most likely to be effective at regular through benchmarking of internal, functional, competitive, or generic kind as NAAC desires in its publication titled *Best Practices in Higher Education* (2004).

We had constituted our Internal Quality Assurance Cell (IQAC) around the time when the university applied for assessment and accreditation for the first time in December 2000 and formalised it in 2004. Our IQAC works closely in association with our Examination Reforms Unit (ERU). Both these units have kept a watchful eye on and addressed the academic and examination related issues from time to time. This has helped in the academic sessions starting on time, examinations being announced and conducted on time, and central evaluation being conducted and results declared on time. Students are taken seriously and there is an effort by made by our academic and executive leadership to address any irritants that students might feel from time to time through the organisation of an ‘Open House’ on second Monday of every month with the Vice Chancellor taking time off to remain present in person with the Registrar to assist him. Complete confidentiality is observed in on-the-spot evaluation and resolution of the problem/s. The Vice Chancellor has made himself accessible to the student community throughout the year, depending on the nature of his daily schedule.

Periodic internal, functional and even competitive benchmarking in the university began from the time a committee chaired by Professor M H Vasavada (Retired Head, Department of Mathematics) helped create a framework and completed our first internal Academic and Administrative Audit (AAA) on various aspects like academic activities and research, administration, and examinations in 2001. Another committee chaired by Professor J J Shah (Retired founder Head, Department of Biosciences) drew up a plan of action soon thereafter in the form of a report, titled “Our Journey

towards Excellence: Improving the Environment of Teaching, Learning and Research, Vision, Mission, Strategy, and Leadership” in 2002.

The Shah Committee Report covered various aspects like: (1) restructuring of courses; (2) revolutionizing teaching and learning; (3) faculty development and enhancement; (4) benchmarking; (5) Audit-NAAC; (6) Internal Quality Assurance Cells (IQAC) in each Department; (7) framework for qualifications, i.e. expected outcomes at each level of academic qualifications, for ensuring quality control; (8) research outcome; (9) inter-departmental cooperation and coordination; (10) intra-departmental interface; (11) Institution-industry and social interaction; (12) competency in Computer and other IT technology; and (13) administrative support; and put in place the benchmarks under each of these 13 aspects of academic life in the university.

Both these reports have been used for that purpose ever since at regular intervals.

Admissions are offered on merit and there is complete transparency observed in the process because the merit list is put on the University website. This applies to all Masters level, MPhil and PhD programmes. The national and state reservation policies are scrupulously adhered to 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 as per merit against their reserved quota and, therefore, there have been no complaints of discrimination. The university departments work in close cooperation with each other and this ensures work getting done quickly. Everyone in the university departments knows everyone else in the administration, and this has facilitated a happy co-existence.

Since the other details appear in the earlier chapters, we do not feel it prudent to repeat all that here but provide details hereafter.

7.1 SANSKAR MANDAL AND BALWADI

The University promotes and contributes to Sanskar Mandal, an NGO, for organizing cultural activities involving family members of the staff of the University. Sanskar Mandal, established in 1971, is an institution imparts knowledge with fun. In addition to the educational activities, it also undertakes other welfare activities for women and children. National festivals are celebrated with great zeal.

Sanskar Balwadi also organizes regularly various kinds of competitions such as Fancy Dress, Hair Style, Mehndi, and Garba Competition at Taluka and District Levels. It provides nutritious food to children and has swings and slidings for the amusement of the children on its large compound. It has fine equipment for the development of various skills.

The following are the activities conducted by the Sanskar Balwadi

No	Activities	No	Activities
1.	Sanskar Balwadi - (Kindergarten)	8.	Felicitation of Talented Students
2.	Sanskar Kids	9.	Sports
3.	Women Wings	10.	Cultural Activities
4.	Kids Library	11.	Celebration of National Festivals
5.	Prof. J. K. Patel Memorial Garba Competition	12.	Devine songs competition
6.	Navratri Celebration	13.	“Gauri Vrat” cultural competition
7.	Dr. Vikram Sarabhai equation competition	14.	Bhajan competition

Sanskar Mandal and Balwadi
President – Dr Harishbhai Desai
Vice – President – Dr A. R. Jani, Dr. J. S. Parmar
Secretary – Shri Raghav M. Patel, Shri B. Z. Mistry
Treasurer – Shri P. K. Bhoi

7.2 INTERNAL QUALITY ASSURANCE CELL (IQAC)

Internal Quality Assurance Cell was formally established in May 2004 after accreditation of our university. In keeping with our policy of paying greater attention to quality aspects to make Quality Consciousness an intrinsic part of the academic and administrative fabric in the University, we set up an IQAC. Its twin objectives are: (a) to ensure continuous improvement in the entire operation of the institution; and (b) to assure the stakeholders in higher education – namely, students, parents, teachers, staff, would-be employers, funding agencies and society in general of the accountability of the institution for its own quality and probity. It functions under the guidance of a Quality Advisory Committee (QAC) chaired by the Vice Chancellor.

The IQAC is mandated to perform the following functions: (1) to develop and apply quality benchmarks/parameters to various activities of the institution; (2) to disseminate information on quality aspects; (3) to organize discussions, workshops, seminars and promote quality circles; (4) to record and monitor quality measures of the institution; (5) to act as a nodal agency of the institution for quality related activities; and (6) to prepare the Annual Quality Assurance Report and such other reports as may be required from time to time.

1. Prof. H.J. Jani, Coordinator IQAC
2. Prof. S.J. Bhatt, Co-coordinator, IQAC
3. Prof. J. H. Khan, Co-coordinator, IQAC

CONTRIBUTIONS OF IQAC IN OTHER QUALITY RELATED ACTIVITIES

1. Contribution to the preparation of Annual Report of the University every year along the lines of NAAC criteria
2. Contribution to the Developmental Plan of the University.
3. Preparation of RAR of the University and its submission to NAAC
4. Co-ordination of University efforts for NAAC Re-Accreditation
5. The IQAC & ERU was conducted one day seminar for Choice Based Credit System (CBCS) in 2011.

7.3 UNIVERSITY & INDUSTRY INTERACTION (I & U CELL)

The U&I Cell has been active after the preparation of a Compendium giving details of the Infrastructure, Testing, and core Competencies available in various PG Departments as well as other sections of the university. Two volumes of the compendium were prepared: **Vol.1** covering the Basic Sciences and Business Management, and **Vol.2** the Humanities and Social Sciences.

THE U&I INTERACTION CELL WORKS WITH THE FOLLOWING SPECIFIC OBJECTIVES:

1. To create database on Need Analysis of Industries in the state
2. To create database on expertise/facilities on the campus
3. To Co-ordinate R & D projects/ consultancy/ sponsored projects / problem solving between University Departments and Industries in the area of Product/ Process development and technology transfer
4. To assist in signing of MoU, promote patent awareness and development of IPR/Patents by the University faculty based on their products and process
5. To help testing/material characterization
6. To offer training programmes relating to professionally oriented fields for small/medium scale industries
7. To keep liaison with various funding agencies and Govt. organizations.

7.4 CELL DEALING WITH CASES RELATED TO SEXUAL HARASSMENT

PERMANENT CELL REGARDING VIOLENCE AND SEXUAL HARASSMENT ON THE UNIVERSITY CAMPUS

The Cell for Cases related to Sexual Harassment has the following as members:

1. Dr Rema Subhash (Chairperson), Professor and Head, Department of Home-Science, Sardar Patel University, Vallabh Vidyanagar
2. Dr Urmilaben H Patel, Professor, Department of Physics, Sardar Patel University, Vallabh Vidyanagar
3. Dr Manjariben Acharya, Reader, Department of Home Science, Sardar Patel University, Vallabh Vidyanagar
4. Dr Nandaben Patel, Reader, Department of Economics, Sardar Patel University, Vallabh Vidyanagar
5. Ms Hinaben Gajjar, Lecturer, NS Patel Arts College, Anand
6. Ms Ketkiben Vyas, Lecturer, Anand Commerce College, Anand
7. One Student Representative from PG Departments nominated by the Vice Chancellor.
8. One Representative amongst the scholars pursuing PhD nominated by the Vice Chancellor.

The committee meet as and when there arise any case of sexual harassment. Fortunately, there have been no such cases of sexual harassment reported so far in the history of the University. The Cell has been set up to deal with cases of sexual harassment, if any, in future.

7.5 ENVIRONMENT CELL

We have established an Environment Conservation and Management Cell, known as “Environment Cell”, to implement our Environment Policy. It has undertaken many activities for Rainwater Harvesting. On our own initiative, we constructed an underground tank at Vice-Chancellor’s residence for collecting rainwater. The idea generated such interest that such underground tanks were constructed at the residence of Vice-Chairman of Jagrut Mahila Sangathan, Anand and the idea is spreading very fast.

The University dug a bore-well at University Staff Colony to deposit rainwater to raise the level of underground water table. This helped raise the levels of underground water with a remarkable improvement. The Municipal Borough of Vallabh Vidyanagar took interest and dug seven such bore-wells. The cell undertook tree plantation programme on different occasions and more than five hundred trees so planted are being nurtured. The Cell has now begun preparing a Manual for Rainwater Harvesting. A small library with books on environment management, and water management is taking shape at Department of Social Work under the supervision of this Cell.

7.6 CENTRES FOR TRAINING AND RESEARCH IN LANGUAGE AND COMMUNICATION

CTRLC for short, the Centre for Training and Research in Language and Communication, Sardar Patel University started offering Advanced Certificate Courses in Communication Skills in English from 27 December 2004 on the mandate given by the then Vice Chancellor Dr PJ Patel.

OBJECTIVES

The Centre seeks to achieve the following objectives: (a) designing and offering need-based and short-term courses, (b) creating teaching and learning materials, (c) developing testing packages, (d) providing specialized instruction and training, (e) undertaking extensive market research, (f) conducting comprehensive needs analyses, (g) validating these needs analyses through market research, (h) providing consultancy services, (i) offering counseling of all kinds, and (j) conducting tests and certifying communicative language ability.

USP OF THESE COURSES

- University approved and certified.
- Unavailable in the traditional system of education.
- Designed not only to improve communication skills but also to mould the personality of the participants to give them a cutting edge.
- No clash with regular studies/work because course participants will only be required to put to use in their day-to-day work the skills that they master.
- Study skills, time management skills, research skills, social/people skills etc are on offer.
- Instruction and Training from University teachers, who are experts in the subjects concerned.
- Assurance of Value for Money since the course participants will be able to see for themselves the change in their personality and skills.

7.7 TEACHING AND RESEARCH INTERWOVEN

- (a) Provision of Research Projects/ Presentation in M Sc
- (b) Mandatory requirement of clearing 9 credit advanced courses by PhD students in the Faculty of Science.
- (c) Special efforts to prepare students to take NET-JRF
- (d) Collaborative Research
- (e) Departmental Research Seminars

7.8 WELFARE SCHEMES FOR SARDAR PATEL UNIVERSITY FRATERNITY

The following welfare schemes are in operation:

A. 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.

B. 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.

C. TEACHERS WELFARE FUND

The university has created a separate fund for the welfare of the university teachers and necessary financial assistance is provided to the teachers' kin in case the employee dies in harness, or suffers from physical/mental incapacitation. An amount of 5.2% is deducted from remuneration paid to the teachers against the examination work.

D. MEDICAL FACILITIES FROM THE HEALTH CENTRE

The University 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.

E. KALYAN NIDHI FOR NON-TEACHING STAFF

Every member of the non-teaching staff of the university makes voluntary contribution to fund created to allow the university to make payments to an employee on his/her retirement or sudden demise and provides necessary financial assistance to the non-teaching staff of the university.

F. APNA BAZAAR

The university has set up a separate consumers' cooperative society, viz Sardar Patel University Employees' Consumers Cooperative Store (Apna Bazaar) to provide grocery and other items at the economy rate to the employees who are its members.

G. FREE STUDENTSHIP TO THE WARDS OF ITS CLASS-III AND CLASS-IV EMPLOYEES STUDYING IN SARDAR PATEL UNIVERSITY

The university reimburses full tuition fees in case the wards are studying in grant-in-aid courses and 50% of the tuition fees in case the wards are studying in self-financed courses to the wards of Class-III and Class-IV employees of the university studying in Sardar Patel University.

CHAPTER-8 LOOKING AHEAD

8.1 ENHANCING QUALITY OF PhD THESES

The University has evolved a strategy to use a perspective plan year after year to plan for future towards enhancement of the PhD Theses. We have fully complied with the provisions made in the UGC (Minimum Standards and Procedure for award of MPhil/PhD Degree) Regulations 2009 published vide Part III Section-4 of The Gazette of India dated 11 July 2009 from the academic year 2010-11. Accordingly, the following concrete steps have been implemented in the PhD Programme.

- (1) PhD admission through nationally advertised entrance tests followed by the counselling by the Departmental Research Committee.
- (2) Mandatory coursework in PhD programme including a course on Research Methodology.
- (3) Implementation of interdisciplinary approach in the training of the PhD students.
- (4) PhD theses to be written in English Language.
- (5) Appointment of at least one of the two PhD examiners from outside the state.

Therefore the University has commissioned a project to the Department of English in the University to train our MPhil and PhD scholars in English language skills. Also the PhD scholars are encouraged to participate in the activities of Centre for Interdisciplinary Studies in Science and Technology (CISST).

The University looks ahead to the positive impact of these measures.

8.2 CENTRE FOR INTERDISCIPLINARY STUDIES IN SCIENCE AND TECHNOLOGY (CISST): DST PURSE PROGRAMME

- (1) The Centre for Interdisciplinary Studies in Science and Technology (CISST) functions with Honourable Vice Chancellor Prof Dr Harish Padh as Honorary Director, Prof Dr A R Jani and Prof Dr L M Manocha as Honorary Joint Directors. Since October, 2012 Prof Dr N V Sastry has joined as the Nodal Officer of the CISST. There is an Advisory Committee constituted of all the heads of the Basic Sciences and a two members nominated by the Syndicate.
- (2) Under the CISST the University has identified the following areas for the development of teaching and research programmes:

MSc (Applied Sciences) with specialization in

- a. Biomedical Science and Technology
- b. Defense Science and Technology
- c. Earth and Planetary System Sciences

Ad hoc Boards of Studies in the above programmes are in the process of finalizing the curricula of these programmes. The University looks ahead to start these programmes in near future.

- (3) **CISST Interdisciplinary Lecture Series:** These are lectures planned on monthly basis and are being delivered by our faculty members with a view to creating an ethos for taking up research of interdisciplinary nature. The details of these lectures are as below.

No.	Name	Title	Month
1.	Prof Dr Harish Padh	India: Past Present and Future	Aug 2012
2.	Prof Dr P C Vinodkumar	Higgs Boson: The God Particle	Sep 2012

3.	Prof Dr S J Bhatt	The Zero and The One	Oct 2012
4.	Prof Dr D I Brahmabhatt	Nomenclature in Chemistry	Nov 2012

The University looks ahead to strengthen this activity. In fact, a core group of faculty members interested in interdisciplinary study and research could be identified for promotion of interdisciplinary research.

- (4) **Interdisciplinary research project sponsored by the CISST:** The following projects in interdisciplinary areas have been initiated to promote interdepartmental research collaborations.

No.	Principal Investigator	Collaborator	Titles
1.	P C Vinodkumar SPU, Physics	B Y Thakore, SPU, Physics P K Priyan SPU MBA	Applications of Quantum Field Theory Methods in Financial Market Dynamics
2.	T R Shah SPU, Pharma. Science	Rita V Vora P S Medical College Karamsad	Hydrogel Thickened Microemulsion of Methotrexate for the Treatment of Psoriasis: Formulation and Clinical Implications
3.	A V R L Narsimhacharya SPU, Biosciences	N V Sastry SPU, Chemistry	Exploratory Investigations for the Removal of Fluoride ions from Water using Organic Bio-waste
4.	P K Priyan SPU, MBA	RB Subramaniam SPU, Biosciences	Incubation Centre and Interdepartmental Collaborations: Mechanism for Making Research in Fruition
5.	H J Panchal SPU, Comp Sci	Brijal Patel SPU, Comp Sci	Heli-PyD, a Comprehensive Database for Helico Bactor Pylori
6.	K R Surati SPU, Chemistry	K D Patel SPU, Physics	Synthesis of Materials Based on Mixed Legends Complexes and their Evaluation as Solid State Electroluminescent Devices
7.	U H Patel SPU, Physics	S S Soni SPU, Chemistry	Synthesis and Single Crystal X-ray Characterization of Catalytically Active Ionic Liquids
8.	V S Vaishnav		Thin Film Semiconductor Gas/Vapour Sensor
9.	S S Bhatt SPU, Biosciences	J M Patel SPU, Mathematics S J Bhatt SPU, Mathematics	An Investigation on Fractality in Some Biological Systems and Processes
10.	H V Dedania	S J Ghevariya SPU, Mathematics	An Investigation into Some Mathematical Aspects in Financial Derivatives

These projects are in the progress; and the University looks ahead for further sponsoring interdisciplinary research at interdepartmental level through CISST.

- (5) **Research at CISST:** The following categories of research personnel have been appointed under DST PURSE programme; they are working under CISST in respective departments under senior faculty members.

- a. Research Scientists I (two)
- b. Research Scientists II (one)

- c. Research Associate (three)
- d. Junior Research Fellow (one)
- e. Research Assistant (eight)

No.	Name	Research Mentor	Topic
1.	Dr P B Bharvad Research Associate	Prof Dr J S S Mohan Biosciences	Evaluatin of Antimicrobial Activity and Phytochemical Analysis of Selected Indian Medicinal Crude Plane Extracts
2.	Dr (Ms) RA Vasant Research Associate	Prof (Dr) AVRL Narasimhacharya	Influence of Diets in Diabetes, Hypercholesterolemia and Fluoride Induced Toxicity in Albino Rats
3.	Soumya V Menon Research Scientist	Prof T V Ramana Rao Biosciences	Biochemical and Histo-architectural Analysis of Melons During its Development and Ripening
4.	Dhara Jalal Research Assistant	Dr (Mrs) Kiran Kalia and Prof (Dr) Harish Padh Biosciences	Association of Single Nucleotide Polymorphism with type 2 Diabetic Microvascular Complications in Western Indian Population
5.	Sagar S Patel Research Assistant	Dr Hetal Panchal Computer Science	Databases Designing and Analysis of Data for Leguminosae Family Members Present in Gujarat State by Various Bioinformatics Tools
6.	Krutika L Bhole Research Assistant	Prof (Dr) AVRL Narasimhacharya Biosciences	Studies on the Ace inhibitory an Antioxidant Potential of Seasonal Fruits
7.	Jigisha Vaghela Research Assistant	Dr A S Reddy Biosciences	Melittopalynological and Physicochemical Characterization of Honey Collected from Apis Florae Bee Hives in Kachchh District, Gujarat
8.	Nilanjana S. Baraiya Research Assistant	Prof (Dr) T V Ramana Rao and Dr. V R Thakkar Biosciences	Enhancement of Shelf life and Quality of Some Tropical Fruits by using Edible Coating Technique
9.	Pinal B Vyas Research Assistant	Prof (Dr) T V Ramana Rao and Dr. V R Thakkar Biosciences	Improvement of Nutritional Characteristics and Extension of Shelf Life of Perishable Tropical Fruits and Vegetables by Using Postharvest Elicitors and Edible Coatings
10.	Sujit Prajapati Research Assistant	Dr A S Reddy Biosciences	Floristic Investigations: One New Record for India and Four New Records for Gujarat State
11.	Sonu Sharma Research Assistant	Prof (Dr) T V Ramana Rao Biosciences	Antioxidant Enrichment and Antimicrobial Protection of Minimally Processed Fruits and Vegetables

This research is in progress. The University looks ahead for strengthening research at CISST.

- (6) **DST PURSE Programme Central Laboratory Facility:** The University has created central laboratory facility to house the equipment, computer and network laboratory and other infrastructure facilities being procured under PURSE-DST programme. A seminar hall and an office are also set up. The following instruments have been installed:

- a. Ultra-Fast Triple Quardupole Liquid Chromatography and Mass Spectrometer Model: LCMS 8030 with Nexera UHPLC Make: Shimadzu, Japan

The following instruments have been ordered and will soon be installed.

- b. Spectrofluorophotometer Model: RF-5301PC Make: Shimadzu, Japan
- c. Inverted Fluroescent Phase Contrast Research Microscope Make: Carl-Zeiss, Germany
- d. Research Rotatory and Oscillatory Rheometer Model: MCR 102 Modular Compact Make: Anton Paar, Graz., Austria
- e. Millipore Water Purification System, Model: Prefiltration Kit + Elix-3 + 50L Storage Reservoir + Synergy Pure System Make: Merk Millipore, India Pvt. Ltd.

The CISST has also conducted the First Workshop for Training to use LCMS. The University looks ahead for an optimum use of DST-PURSE Central Laboratory.

- (7) It is heartening report that the CISST has been formally inaugurated on February 23, 2012 by Dr A Mukhopadhyay, Scientist G, Department of Science and Technology, Government of India. The University looks ahead for a continuous and fruitful research support from DST under its various schemes; and proves itself to be worthy of it.

The University hopes to create a Centre for Interdisciplinary Studies in Humanities and Social Sciences.

The University also looks ahead to enhance CISST to School of Interdisciplinary Studies in Science, Technology and Social Sciences.

8.3 CIVIL WORK IN PROGRESS

₹60.00 lakh have been spent on road expansion and campus beautification. The entrance to the University campus will be through the road with the University Health Centre having a thematic gate with a scholar's cape, with ₹20.00 lakh the UGC fund, ₹35.00 lakh from the state government fund for developing a World Class University, and the rest from the CDF. The gate is yet to be installed. It will have attractive lighting system on completion.

A new Women's Hostel with earthquake-resistant structural design has been built at the cost of ₹250.00 lakh and is nearing completion. ₹100.00 lakh were provided by the UGC and the rest from CDF. It can accommodate up to 96 girls, and will have unique features like rainwater harvesting, Solar Water Heater System, and Fire Fighting System.

₹ 650.00 lakh have been set aside for a multi-purpose Gymnasium under construction on our satellite campus in Bakrol on Vadtal Road. It is designed to have 3 major courts: an Olympic level multi-purpose court for tennis, basketball, volley ball etc spread over 15000 sq ft; 1 badminton court; and 1 table tennis court. It will be able to accommodate 1500 spectators on its step galleries. The whole gymnasium will be sound proof and will have a public address system.

₹100.00 lakh have been set aside for a multi-purpose building to be located in the University Staff Colony in the neighbourhood of Kendriya Vidyalaya. It will be a four-storeyed building (Ground floor plus three floors). The ground floor would house a shopping complex with ATM, Bank, Grocery store, Apna Bazar and Parking space. The first floor will house a gymnasium and a banquet hall. The last two floors will house the International Students Hostel. It will have wi-fi network, generator system, solar heating system, and air condition facility to be provided on request. The new building has an estimated cost of ₹300.00 lakh.

The University looks ahead to create first class infrastructure

8.4 TOWARDS EXCELLENCE

Our Honourable Vice-Chancellor Professor (Dr) Harish Padh has been leading us toward excellence from the front and has come to symbolize excellence. The editorial board of the Annual Report fetes him by proudly putting on record the fact that he was awarded the

- (a) B-School Excellence Award 2012 for outstanding contribution to Education in recognition of Leadership, Development and Interface between Institute and Industry on 18 February 2012 at Mumbai;
- (b) Name in Science Award in the field of Science, Technology and Education for contribution to the world of Science by Euro Science Open Form at Dublin, Ireland during July 2012; and
- (c) National Education Leadership Award for outstanding contribution to Education by Star of the Industry Group and ET-Now Television Channel in recognition of Leadership, Development and Interface between Institute and Industry on 16 February 2013 at Mumbai.

We look forward to achievements of even higher by the Honourable Vice-Chancellor, the faculty, the staff and the students. After all, the *Excellence Matters*.

EPILOGUE

Fifty-fourth Annual Convocation Address
Sardar Patel University, Vallabh Vidyanagar, Gujarat
Thursday, the 15th December, 2011
by
Professor Ved Prakash
Chairman, University Grants Commission
New Delhi

Her Excellency Smt. Kamala Beniwalji, the Honourable Governor of Gujarat and Chancellor of the Sardar Patel University; Prof. Harish Padh, Vice-Chancellor, Sardar Patel University; Esteemed members of the Senate; the Syndicate; the Academic Council; the faculties; the Boards of Studies; the Board of Post Graduate studies and Research; Students, Members of the media, invited Guests, Ladies and Gentlemen.

It is a matter of great privilege and honour for me to be present today in the land of Rashtira Pita Mahatama Gandhiji and Loh Purush Sardar Vallabhbhai Patel.

It is, indeed, a matter of great delight to be in the midst of talented and outstanding men and women who have worked no doubt with dedication and commitment to get this far. I take this opportunity to congratulate all the recipients of the degrees and awards, which they have earned for themselves through their untiring and persistent efforts.

The teachers, the parents and the non teaching staff of the University deserve equal appreciation for their encouragement and support that they have provided to these young minds to reach this important destination in their journey.

I am pleased to learn that the alumnae of this University have occupied and even continue to occupy coveted positions in various fields of human endeavour. It is a great day for these young achievers as well as for the rest of us when we derive lessons from the past and resolve to meet future challenges.

The Sardar Patel University has many firsts to its credit. It is the first university in the state of Gujarat to volunteer itself for assessment and accreditation by the NAAC. It is, indeed, heartening to know that the University has been conferred a Four Star Rating. It is also the first university in Gujarat to present itself to the NAAC for re-accreditation. It is also the first university in Gujarat to be awarded EDUSAT by CEC. And, once again it the first university in Gujarat which have established and run a Community Science Centre.

Friends, the vision of higher education in any country is to realize the human resource potential to its fullest with equity and inclusion. The challenges are many, diverse and conflicting but keeping in mind the audience, I would like to dwell upon the questions and concerns faced by the higher education system in India.

If we look at the history of India's higher education since early times, we find that Indian higher education system has a long and complex history dating back to Ancient Vedic period. Initially, it was a system of transfer of knowledge and skills through oral and written traditions from one

generation to another. Higher education was generally available to a selected few especially those occupying the top position in the social hierarchy, i.e. Brahmins and other upper castes.

It was during the colonial period that the European model of higher education in India was introduced. The pace of growth of higher education institutions was very slow during the period from 1857 until the country got independence in 1947. The country had a very small system of higher education at the time of independence with only 20 universities and 500 colleges. Enrolment in these institutions was around a hundred thousand, and the participation of women was very limited. The system was highly elitist and there existed wide geographical disparity in the distribution of institutions. The thrust of development was mainly on liberal arts education and science education and science education was given relatively low emphasis.

After independence, the higher education system witnessed a visible change from being an elite system to a system for masses. The policy of building a self-reliant economy called for faster expansion of the higher education system following the principles of distributive justice, equity and efficiency. The initial three decades witnessed expansion of public-funded higher education institutions with an overriding consideration of the policy of protective discrimination to ensure access to the disadvantaged sections of society. The expansion in the higher education sector prior to early 1980s was mostly policy driven and funded by the government. Private sector participation in higher education was at its minimum and it was all with philanthropic motives. Till early 1980s, higher education in India had not shed all the characteristics of the colonial period.

From the mid-1980s, expansion was left to the market forces. Development of higher education in the 1990s was greatly influenced by neo-liberal policies that focused on making the economy. The structural reform programmes introduced in the early 1990s began to impact on the economy around mid-1990s and the country adopted the strategy of expanding its service sector. Availability of abundant cost effective manpower with college education attracted foreign firms and the Indian labour market slowly began to be integrated with the global market. The government and the aided universities and colleges were not in a position to respond to the increasing demand for professional and technical skills. The size of the middle class was also growing and the middle class households were willing to invest in professional and technical education because of their high market premium. As a result, a large number of private un-aided institutions imparting professional and engineering courses were established, mostly in the southern and western parts of the country. Since then, the size of the private unaided higher education segment has increased tremendously mainly in the fields of engineering, medical, management, teacher education and Information and communication Technology (ICT). At present, in the professional stream, more than 80% of institutions and enrolment are in the private un-aided sector. Private colleges provided more than 86% of the total engineering seats in the country. Thus the growth in higher education in India is largely market driven, and except science and technology and IT education, no policy planning effort seems to have been initiated during the last one decade for development of other segments of higher education.

The critical role of education in the knowledge economy is to keep pace with the ensuing changes in the international environment. India, one of the fastest growing economies in the world is committed to building a knowledge based society. Today, India has the largest system of higher education in the world in terms of the number of institution with 611 degree awarding institutions and 33,324 colleges. It is the third largest system in terms of students' enrolment. Despite all this, the matter of great concern is that the proportion of Indians in tertiary education is now by far the lowest among the BRIC (Brazil, Russia, India and China) economies. Increasing access to higher education in India has been constrained by the low secondary education completion rate. In fact

secondary education in the country has been virtually sandwiched between the high priority given to elementary education and the on-going debate on reduced role of the State in the development of tertiary education.

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Since the major shift in the economic policy in the early 1990s, when India implemented structural adjustment programmes and opened up its economy, it attempted to pursue the policy of 'leapfrogging'. It had to forgo the attempt to industrialize the nation and moved ahead with the use of IT strategies towards becoming a knowledge economy.

In the 1950s and 60s, while the institutions grew at the annual rate of 8.2 per cent, the gross enrolment grew at the annual rate of 12.54 per cent. In the recent past because of the privatization the annual growth had taken a reverse turn. In the last decade (2000-10), while the institutions have grown at the annual rate of 9.3 per cent, the enrolment has at the annual rate of 6.25 per cent. There are about 18% students of the relevant age group are enrolled in higher education. Unless the internal efficiency of the school system, especially secondary and higher secondary, is improved, there will not be enough students for higher education. As the dropout rate in Class X and XII continue to be quite high, university teachers are expected to take the responsibility of helping the secondary sector with appropriate pedagogies to make learning easy and enriching.

Another glaring drawback that we see is that the growth of institutions and enrolment has been uneven across States. The socio-economically backward groups are also under represented. Participation of girls, particularly in technical and professional courses is also relatively low. Although the demand for higher education has been increasing by leaps and bounds, wide spatial variations are observed in the provisioning & participation level across the states. The gross enrolment ratio (GER) in higher education in the country ranges between as low as 4.7% in Nagaland to as high as 37.25% in the national Capital Territory of Delhi (MHRD 2006). There have been marked disparities among various socio-economic groups as far as participation in higher education is concerned. Though the participation of girls is increasing steadily over the years still the share of girl's enrolment in the total enrolment is much lower. Participation of girls is relatively low in traditionally backward states like Bihar, Rajasthan, Orissa, Jharkhand, etc. Participation of the backward classes is still lagging behind in comparison to the general population. Although the participation rates of girls, SCs and STs are increasing over the years, social and gender disparities still remain the subjects of great concern. It may, however, be mentioned that the differential access and participation in higher education reflect the unequal access to school education in the country. Without appropriate policy interventions in the school education sector, particularly in secondary and senior secondary levels, it would be of little use to have interventions at the higher education level which positively discriminate the girls, SCs, STs, minorities and the other backward classes.

There is an urgent need to widen access to higher education which is of paramount significance. We have to enhance diversity on our campuses. It will be good to the society in general and children in particular. If we allow our children to grow with boys and girls from diverse social backgrounds, they will emerge as more stable and better citizens.

The higher education has witnessed a skewed growth in the recent past. On the whole around 84% of the enrolment is in the three disciplines namely arts (45%), science (20%) and humanities (19%) and the remaining 16% in the professional courses such as education, engineering, technology, medicine, agriculture, veterinary sciences, law, etc. Enrolment in engineering and technology accounted for 7.5% of the total enrolment. Enrolment in discipline related to agriculture was only 0.6% and in veterinary science it was negligible i.e. only 0.16%. The balance in favour of the traditional courses makes it apparent that the country is still following the colonial legacy which emphasized on educating people for the white-collar jobs. Though large percentages of people are engaged in agriculture, but the number of institutions and enrolment pertaining to agriculture is negligible. Since 2001, there has been spectacular increase in the number of private higher educational institutions and the enrolment in these institutions. The

growth pattern between the period of 2001-06 shows that the number of private unaided institutions constituted 42.6% of the total number of higher education institutions that increased to 63.21% in 2005-06. Similarly, the share of enrolment in private unaided higher education has gone up from 32.89% in 2001-01 to 51.53% in 2005-06. For opening new institutions, redistributions of the disciplinary programmes need to be based on critical review of the manpower needs of the economy.

Historically in India, State has primarily served as service provider and subsidizer of higher education. There have been State-funded and State-owned institutions of higher education. The Education Commission in 1966 had recommended that six per cent of the Gross Domestic Product (GDP) be spent on education. We have not been able to realize the goal of 6% even after six decades of independence. There is clearly a need to invest a lot more in higher education. The State governments should provide more funds to the State universities. Over the years, sources of financing higher education have been diversified to cope with the declining trend in public expenditure. The overall tendency has been to shift the cost of higher education to the direct beneficiaries (students) and the users (employers). In India, reforms relating to mobilization of resources to reduced public expenditure have included promotion of distance learning, encouragement of private sector and cost-recovery methods. Cost-recovery implies a reduction in subsidies in higher education. Various revenue diversification measures included hike in student fees, student loan programs operated by commercial banks and privatization. Various revenue-raising measures have taken place in the form of raising tuition fee as a significant source of revenue. Nonetheless, it is evident that a large gap is likely to emerge between the resource requirements of the system and the availability of resources if the present trends in financing of higher education continue into the future. This may likely to jeopardize the efforts to make India competitive in the global market if it is not given due consideration on priority basis.

Although the country has diversified access to tertiary education allowing private institutions, bringing in distance education providers, introducing self financing courses in public institutions, permitting a few foreign providers to operate in the country, such strategies have limited impact in meeting the rising demand for tertiary education, particularly for disciplines which creates knowledge-intensive workers. The post-1980s phenomenon of expansion of non-university sector particularly polytechnics and industrial training institutions, largely managed by the private sector, have tried to meet the growing demand for training. At the same time there is also a growing concern for commercialization of private sector tertiary education which goes against the principle of equality of access. Allowing the private sector to supplement the efforts of the State to expand the higher education system in way amount to institutionalizing exclusion, particularly access to highly demanded disciplines. Although the effort of the State has been to protect the interest of the disadvantaged groups by introducing positive discrimination measures such as reservation policy, scholarships, student loans, etc., these have been largely supply side interventions. Creating enabling conditions for raising the demand for higher education by these socio-economically disadvantaged is a major concern.

Traditionally, maintenance of standards in higher education has been the responsibility of the central government. The central government has established as many as 25 Professional Councils. Some of them are statutory bodies entrusted with the responsibility of laying down norms and standards in different areas of study and enforce them for the purpose of ensuring quality and maintaining standards. These Councils also serve as vital links between the central and state governments as also with the institutions of higher learning. In addition, the central government has also established two independent national level organizations namely the National Assessment and Accreditation Council (NAAC) and the National Board of Accreditation (NBA)

for accrediting institutions and programmes. The NAAC is mandated with the task of assessment and accreditation of universities and colleges.

The whole idea behind this exercise is to empower the institutions to maximize their resources and capabilities by letting them know their strengths and inadequacies. Institutions need to be mobilized to come forward and allow them to peer group review carried out by the National Assessment and Accreditation Council (NAAC) and the National Board of Accreditation (NBA).

We need to broaden curricular provisions and come out of the straight-jacketed system. We must make options available to study. We need to improve the quality of course curriculum. We need to forge linkages among institutions nationally and internationally. Reforms in teaching/learning methodologies have become centre-stage in any education system as a cardinal step towards quality. Curriculum updation in different domains of knowledge in higher education is significant to apprise young learners of the new ideas that have emerged in their subject disciplines and in weeding out obsolescence from the curriculum to ensure its continued relevance.

In our culturally plural society, education should foster universal and eternal values, oriented towards the unity and integration of our people. Such value education should help eliminate obscurantism, religious fanaticism, violence, superstition and fatalism. Apart from this combative role, value education has a profound positive content based on our heritage and universal goals and perceptions. There is an urgent need for every institution to revisit its charter and ensure teachers and students engage in scholarly discussions on a range of wider issues of historical and contemporary significance apart from study of specific disciplines. Ethics must be the foundation of the entire structure of higher education. If we are not teaching ethics & if we are not imbibing eternal values, we will not be able to succeed.

The Radhakrishnan Report of 1948 rightly pointed out that the status of the teacher reflects the socio-cultural ethos of a society; it is said that no people can rise above the level of its teachers. The Government and the community should endeavour to create conditions which will help motivate and inspire teachers on constructive and creative lines. Teachers should have the freedom to innovate, to devise appropriate methods of communication and activities relevant to the needs and concerns of the community. The preparation of teachers for all levels of school education should be the responsibility of institutions of higher education. This was advocated by the Education Commission (1964-66) as well. For historical reasons, the involvement of the universities and school level teacher education has remained confined to secondary and senior secondary level only.

Good quality higher education still remains elite in nature as it is still not accessible by a large bulk of eligible population. This is primarily attributed to the policy shift in the mid 1980s by forestalling the growth of public institutions and leaving a wide open market to private institutions offering courses of study that have high market premium. Government should realize the limitations of the private sector and strengthen higher education in areas which are very vital in improving nation's competitiveness through fundamental research. Besides, austerity measures in higher education have taken a heavy toll on the quality of higher education. These trends in funding should be reversed and public funding for higher education should be substantially increased. India like other developing nations may have to overcome the access, equity, quality, governance and funding problems. In fact the pace of addressing these issues would largely determine the effective participation of universities in the process of creating knowledge based society, besides raising country's economic capacity.

In today's ICT age, technology-mediated teaching and learning is the need of the day. It is not that we need to engage with technology, it is more so whether we can afford to postpone utilization of technology in our day-to-day classrooms. It can be profitable to learn from the e-learning and virtual classroom initiatives in the US university system so that a similar movement is examined for initiation in our country on a wider scale. We should strive towards empowering every child with education. People have to come forward and teach poor children to improve literacy rate. As the size of the middle class is swelling, the demand for higher education is increasing fast. This should not lead to floating of all kinds of third rate institutions.

There exists a peculiar situation in our country. While on the one hand we have a large number of unemployed graduates on the other hand we have a severe shortage of skilled workforce. Those of us engaged in higher education must be sensitive to those 75 per cent of our fellow citizens who are living in villages under hard conditions. We can't afford to grow in isolation. If our mega cities grow and the smaller cities and villages languish in scarcity, it will be a meaningless growth.

It is evident from the present arrangement that there are multiple regulatory bodies which seem to be suffering from the problems of coordination and overlapping jurisdiction. While each regulatory body has been playing a useful role, it is the absence of an overarching instrument for coordination which is causing trouble.

We must constantly reform through our commitment to achieve excellence in teaching, research, and engagement. This requires four things — national conviction, sustained political will, substantial amount of resources and capacity development.

Before I close, I would like to exhort our young graduates to stay put as lifelong learners, see inspiring dreams and learn the art of providing a healthy response to the rough patches in life. These are the real Mantras that will help our youth achieve a series of successes besides bringing in laurels to them, to their families and to their institutions.

Let me at the end once again thank the Vice-Chancellor, Prof. Harish Padh, his team and other colleagues for having given me this opportunity. I am sure and confident that this university has a bright future and can play an important role in meeting challenges of human development.

With these words, I once again congratulate all the students who have earned degrees, medals and prizes and wish all of them all the very best.

Thank you!

