From the Desk of the Chief Editor

Sardar Patel University, established as a rural university in 1955 by its founders, Shri Bhaikaka and Shri Bhikhabhai, is today what it is thanks to the visionary leadership it has been blessed with all these years and the combined efforts of men and women who made salutary contribution to its growth and development. The university has seen a lot of change in recent years.

A university differs from the other institutions of higher learning such as colleges and polytechnics that also cater to tertiary education. It is usually known by the kind of contribution it makes in the five major areas of functioning, viz teaching, research, extension services, consultancy, and corporate activities. Teaching and research are complementary much in the same way as extension services and corporate activities are. Each of these binary divisions is congruent and even interdependent. Unless founded on a strong research support, teaching becomes monotonous and stale. Universities that have ceased to remain alive to the needs of the society they seek to serve and keep working toward their fulfilment, or those that suddenly come to discover that extension services are meaningless and corporate activities are but only a waste of time, end up snapping their fragile bonds with the society. A good university has its ears held close to the ground in order to hear the rumblings of the oncoming change, and has both the will and the ability to affect suitable changes in keeping with the newer needs identified in the process.

Sardar Patel University has always remained steadfast in its resolve, following sagacious words of those like Gaudino (1965) and Barnes (1986), to keep embracing change without losing its vision, mission and goals. It has been designing and implementing academic programmes year after year; following sound policies with regard to admissions, granting of terms, holding of examinations etc; planning and conducting research; estimating, generating and allocating fiscal resources; granting of affiliation and recognition to the institutions seeking association with it; liaising with government/semi-government and other social and philanthropic organisations; updating of syllabi by keeping a watchful eye on the needs on the job market to give its products a competitive edge in employment; and awarding and conferring degrees, besides innovating on its practices all the time.

A big ‘thank you’ to all the Heads of the Departments; Dr Dinesh Karia, Dr Subhash Bhatt, Dr D K Raval, Mr Bharat B Patel and all the other members of the editorial board for their intellectual inputs; University Officials like I/C Registrar Mr Tushar Majmudar, Mr Nilesh Patel, Deputy Registrar (Academics); Ms Jyotiben Tiwari, Director, Computer Centre, for their advice and active contribution; and our able executive assistants, Mr Varun Patel and Mr Chetan Patel, for collecting, collating, composing, and correcting the final report as approved by the editorial board and the university authority after proof-reading.

We are happy to be able to produce this report in following our long-established tradition of keeping our valued stakeholders: students, their parents/guardians, sister universities in the state and the country, the State Government, funding agencies like the UGC, DST, DRDO etc updated on what we could, as a university, achieve in 2012-13. We seek your continuous support and will be happy to receive feedback!

Vallabh Vidyanagar
07 March 2014

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 Chetan U Patel
Foreword

It gives me great pleasure to be able to give you a bird’s eye view of the achievements of the university as reflected in our Annual Report for the year 2012-13 in the NAAC format which we have followed meticulously in our Annual Reports since 2005-06.

Curricular Aspects
The University offered a total of 45 PhD programmes, 17 MPhil programmes, 83 Masters Programmes, 30 Diploma and PG Diploma programmes, 54 Bachelors Programmes 07 Certificate and Advanced Certificate programmes, 15 Bachelors and Masters Programmes as External (largely Arts and Business Studies) in various faculty disciplines. We made 08 course additions and introduced 03 new courses during the year.

Teaching-Learning and Evaluation
We had 9152 students enrolled on the PG and Research Programmes including 5079 male and 4073 lady students. Similarly, we had a total of 33447 students including 20808 male and 12639 female students enrolled in the Undergraduate programmes. Thus we enrolled a total of 42, 599 students during 2013-13. This also includes 44 foreign/NRI/NRI-sponsored students enrolled through our International Students Centre. The total teaching strength in the University Departments is 158 out of which 87% hold PhD as the highest degree. The teacher-student ratio remained around 1:25 during the year 2012-13. 04 fresh Assistant Professors were recruited during the year. We awarded and conferred 160 gold medals in the period under review. Our IQAC and ERU kept extremely busy bringing in a series of changes. We could follow the academic and examination calendar strictly and could declare the results well in time.

Research, Consultancy and Extension
CAS, SAP, General Assistance etc
We were able to attract funds to the extent of ₹683.50 from the UGC, New Delhi in appreciation of our effort at achieving academic excellence, and this includes (a) ₹200.00 lac as Additional Assistance to University during XI Plan period; (b) ₹207.00 lac under General Development Assistance XII Plan (c) ₹123.00 lac toward the Centre of Advance Study (CAS-I) Programme to the Department of Chemistry; (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; and (g) ₹33.00 lac as the Special Assistance Programme SAP-DRS (Phase-II) to Department of Business Management (MBA).

Major/Minor Research Projects
The UGC has sanctioned 6 Major Research Projects worth ₹51.07 lac to University Teachers, including (i) ₹14.59 lac to Dr B H Patel of the Department of Electronics; ₹10.35 lac to Dr S S Soni of the Department of Chemistry; ₹8.55 lac to Dr K R Surati of the Department of Chemistry; ₹6.95 lac to Dr D R Dave of the Department of MBA; ₹4.89 lac to Dr H V Dave of the Department of History; ₹4.46 lac to Dr P P Patel of the Department of Education; and a Minor Research Project worth ₹1.25 lac to Dr P S Suvera of the Department of Psychology.
Grants other Agencies of the GoI /GoG
Various agencies of the Government of India provided a funding of ₹60.97 lac to University Teachers for their research projects, including ₹17.13 lac each from SERB, DST, New Delhi to Dr T V Raman and Dr Datta Madamwar of the Department of Biosciences; ₹17.40 lac from the DST, GoI, New Delhi to a Research Scholar, Ms Sejal Desai of the Department of Biosciences for Research in Basic/Applied Sciences; ₹8.96 lac from DST, New Delhi to C C Patel Community Science Centre, SPU under INSPIRE Programme; and ₹0.35 lac to an Assistant Professor in the Department of Chemistry under UGC-DAE Consortium of Scientific Research, Mumbai. National Board of Higher Mathematics (NBHM) Regional Library under Department of Atomic Energy, GoI has provided ₹32.00 lac to the Department of Mathematics, and an NBHM Visiting Professorship during the year under review.

Corpus Funds created for Seed Money Grant
An initial grant of ₹9.35 lac from the PURSE grant of ₹600.00 lac sanctioned by the DST, GoI, New Delhi on the basis of SCOPUS database by NISTADS, was made to 10 teachers in the Basic Sciences for undertaking interdisciplinary research projects with a view to promoting Research and Science excellence in the University. Some part of the money from DDF and CDF was used to create a corpus of ₹800.00 lac to provide seed money grant to the freshly-inducted university teachers in the Humanities and Social Sciences and the Sciences with a view to giving impetus to research and hold workshops. ₹11.50 lac from this corpus was used to sanction a sum of ₹10.00 lac for research projects to 10 University Teachers from the Basic Sciences and ₹1.50 lac to 06 from the Humanities and Social Sciences.

Infrastructure and Learning Resources
We made arrangements to teach the basic use of computers in all the departments and administration office to enable them to use computers and computing as an automation tool, for data management, data mining, and research. We have been able to provide Internet connectivity to all Postgraduate Departments with sufficient nodes, and have sought to encourage postgraduate students, MPhil and PhD scholars to use this facility. We have begun to train students in the effective use of relevant freeware, and relevant computer courses with practical training on computers are on offer in many Departments. This included computer programming course of varying degrees of sophistication including those on FORTRAN, MATLAB and MATHEMATICA, SPSS, SOUL etc..

This year saw the publication of 31 books in the University: 01 in the Biosciences; 02 in Business Studies; 01 in the Computer Science; 02 in Education; 02 in Hindi; 07 in Mathematics; 02 in MBA; 02 in Physics; 01 in Political Science; 07 in Sociology; and 04 by the Department of Gujarati. The teachers in the University Departments published a total of 313 research papers during the year as per the data made available to the University.

Student Support and Progression
We have continued with our talent search and nourishment programmes like coaching for NET-JRF, NET-L for all students but more intensive coaching programme for students from SC/ST communities, physical education, youth welfare and cultural activities, NSS, cultural and other events in youth festival organised during the year. We continued to have a strong Students’ Union, alumni association, SC/ST Cell and Placement Cell in the university. We could disburse a sum of 9,48,900/- Free Student Ships/Scholarships/Fellowships to 73 students; 58,61,925 to 27 students under JRF, CSIR, RGNF, Indira Gandhi Scholarship for Single Girl Child and Dr D S Kothari Postdoctoral Fellowship Scholarship; and 97,41,784 by way of SC Scholarship, ST Scholarship, Scholarship for the Handicapped, Gujarat Higher Education Scholarship, EBC Scholarship, Baxipanch Scholarship and Miscellaneous Scholarship to a total of 722 students in the university.
A total of 16 students cleared NET/SLET/GATE and these include 06 in the Department of Mathematics; 05 each in the Departments of Chemistry, and Gujarati; 02 in the Department of Business Studies; 01 each in the Departments of Home Science, and Electronics; 01 in the Department of Materials Science in Materials Science, Nanoscience and Nanotechnology securing a rank at the national level. 10 students of the Department of Chemistry received the RFSMS Scholarships. 04 students of the Department of Materials Science won prizes as follows: 01 each the third and the second prize in poster presentation and oral presentation respectively, and 01 each the first prize in poster presentation and the first prize in oral presentation respectively in various national and international conferences. 39 students of the Department of Chemistry found placements in various industries and organizations on completing their MSc degree.

**Foreign Visits**
Dr Sunil Chaki of the Department of Physics visited Trieste, Italy to attend the the SMR 2334-AIP Industrial Physics Forum organized by the Adbus Salam International Centre for Theoretical Physics in April 2012 and present a paper. Many students of this Department visited France, Germany Singapore, Taiwan etc to present their research papers in Seminars and Conferences in those countries.

**Organization and Management**
Statutory decision-making bodies of the University like Senate, Syndicate, Academic Council, Board of Postgraduate Studies and Research, Board of Studies, Ad-Hoc Boards of Studies etc met as per the provisions in the University Act.

**Healthy/Innovative Practices**
Sanskar Mandal and Balwadi, Internal Quality Assurance Cell, University & Industry Interaction Cell, Cell dealing with Cases Related to Sexual Harassment, Women’s Cell, Complaint Cell, Anti-Ragging Cell, and Environment Cell continue to function actively in the University. We have put in place welfare schemes for the teaching and administrative fraternity in the University, and these include granting loans from GPF/CPF, Group Insurance Scheme, Teachers Welfare Fund, medical facilities made available through the University Health Centre, Kalyan Nidhi for non-teaching staff, Apna Bazaar, and free studentship to the wards of Class-III and Class-IV employees pursuing further studies in Sardar Patel University.

**Looking Ahead**
₹100.00 lac 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 Bazaar 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 lac.

We have included proposals for the establishment of a University Department of Engineering and Technology to offer ME/M Tech Programmes in the UGC XII Plan Proposals we sent to the UGC. We have also sent proposals for the establishment of a University Department of Physical Education to the UGC. We await their nod. Similarly, we have completed our initial round of discussions with the University of South Carolina, USA and have plans to start MSc in Bio-Medical Science, Defence Studies, and Earth Sciences including Environmental Studies.
The Centre for Interdisciplinary Studies in Science and Technology (CISST) has been established and will commence offering MSc programmes in (1) Biomedical Technology, (2) Defence Technology, and (3) Earth and Planetary Sciences in 2013-14. 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.

Let me congratulate the editorial board and the relevant sections in the university for their excellent work as a team in preparing this annual report.

Vallabh Vidyanagar
07 March 2014

Harish Padh
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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 CONVOCATION 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 Honourable Food 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, the then 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 Manomohan 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 Narmada Nigam
- Dr S Banerjee, Director, Bhabha Atomic Research Centre
- Shri Ramanlal Vora, the then Education Minister, Government of Gujarat
- Shri Rahul Bajaj, Bajaj Auto LTD
- Prof Ved Prakash, the then Chairman, University Grant Commission (UGC)
- Prof Yashashchandra Mehta, Academic Scholar and Philosopher
## 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
Vallabhbh Vidyanagar - 388 120

### (iii) The Deans of Faculties

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<td>Arts</td>
<td>Dr N R Parmar</td>
<td>Principal NA and TV Patel Arts College, Vallabhbh Vidyanagar</td>
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<td>Dr J M Trivedi (I/C)</td>
<td>Professor Department of Sociology Sardar Patel University</td>
<td>01/06/2012 to 20/11/2012</td>
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<td>Dr H P Trivedi</td>
<td>Professor Department of Economics Sardar Patel University</td>
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<td>2</td>
<td>Science</td>
<td>Dr A R Jani</td>
<td>Professor and Head Department of Physics Sardar Patel University</td>
<td>01/06/2009 to 31/05/2012</td>
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<td>Dr A R Jani (I/C)</td>
<td>Professor Department of Physics Sardar Patel University</td>
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<td>Dr D S Raj</td>
<td>Principal M B Patel Science College Anand</td>
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<td>Engineering</td>
<td>Prof L M Manocha (I/C)</td>
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<td>23/02/2012 Onward</td>
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<td>Business Studies (Commerce)</td>
<td>Dr Ketki P Seth</td>
<td>Associate Professor Anand Commerce College Anand</td>
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<td>5</td>
<td>Law</td>
<td>Mr Apurva C Pathak</td>
<td>Assistant Professor Anand Law College Anand</td>
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<td>Education</td>
<td>Dr Pallavi P Patel</td>
<td>Professor and Head Department of Education, SPU Sardar Patel University</td>
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<td>7</td>
<td>Home Science</td>
<td>Dr Rekhaben Emanuel</td>
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<td>8</td>
<td>Medicine</td>
<td>Dr S H Srivastava</td>
<td>Professor Pramukh Swami Medical College, Karamsad</td>
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<td>Dr D K Raval (I/C)</td>
<td>Professor Department of Chemistry Sardar Patel University</td>
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(iv) The Registrar
Shri Tushar Majmudar
I/C Registrar
Sardar Patel University
Vallabh Vidyanagar - 388 120

(v) Heads of University Departments (as on current position)

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<td>Prof AVRL Narasimhacharya (M.Sc, Ph.D.)</td>
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<td>Business Management</td>
<td>1989</td>
<td>Prof R P Patel (MBA, PhD)</td>
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<td>Business Studies (Commerce)</td>
<td>1958</td>
<td>Prof P K Rathod (MCom, MPhil, PhD, FDP-IIMA)</td>
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<td>4</td>
<td>Chemistry</td>
<td>1958</td>
<td>Prof H S Patel (MSc, PhD)</td>
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<td>Computer Science</td>
<td>1986</td>
<td>Prof P V Virparia (MCA, PhD)</td>
</tr>
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<td>6</td>
<td>Economics</td>
<td>1958</td>
<td>Prof D J Chauhan (MA, PhD)</td>
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<td>7</td>
<td>Education</td>
<td>1988</td>
<td>Dr Pallavi P Patel (MSc, MEd, PhD)</td>
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<tr>
<td>8</td>
<td>Electronics</td>
<td>1988</td>
<td>Prof (Miss) Basumati Patel (MSc, PhD)</td>
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<tr>
<td>9</td>
<td>English</td>
<td>1958</td>
<td>Prof J H Khan (MA, MAAL (UK), MEd (Eng), PhD)</td>
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<tr>
<td>10</td>
<td>Gujarati</td>
<td>1958</td>
<td>Prof Pinakini Pandya (PhD)</td>
</tr>
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<td>11</td>
<td>Hindi</td>
<td>1958</td>
<td>Prof N K Chauhan (MA, PhD)</td>
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<td>12</td>
<td>History</td>
<td>1959</td>
<td>Prof J M Pandya (MA, PhD)</td>
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<tr>
<td>13</td>
<td>Home Science</td>
<td>1977</td>
<td>Prof Vinayak Patel (PhD)</td>
</tr>
<tr>
<td>14</td>
<td>Library and Information Science</td>
<td>1982</td>
<td>Prof (Ms) Urmilaben Thaker (MLib, MPhil, PhD)</td>
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<tr>
<td>15</td>
<td>Materials Science</td>
<td>1990</td>
<td>Prof L M Manocha (MSc, PhD)</td>
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<td>16</td>
<td>Mathematics</td>
<td>1958</td>
<td>Prof A B Patel (MA, PhD)</td>
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<tr>
<td>17</td>
<td>Media Studies</td>
<td>2005</td>
<td>Prof J H Khan (Hon. Director) (MA, MAAL (UK), MEd (Eng), PhD)</td>
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<tr>
<td>18</td>
<td>Pharmaceutical Sciences</td>
<td>2010</td>
<td>Prof D K Raval, (I/C Head) (MSc, PhD)</td>
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<tr>
<td>19</td>
<td>Physics</td>
<td>1958</td>
<td>Prof U H Patel (MSc, PhD)</td>
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<td>1958</td>
<td>Dr Baldev Agja, (MA, PhD)</td>
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<td>Psychology</td>
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<td>Prof S J Patel, (MA, PhD)</td>
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<td>Prof N P Patel (MA, PhD)</td>
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<td>Social Work (MSW)</td>
<td>1997</td>
<td>Dr (Ms) Shivani Mishra MSW PhD</td>
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<td>24</td>
<td>Sociology</td>
<td>1958</td>
<td>Dr H N Patel (PhD)</td>
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<td>25</td>
<td>Statistics</td>
<td>1961</td>
<td>Prof P A Patel (MSc, PhD)</td>
</tr>
<tr>
<td>26</td>
<td>USIC</td>
<td>1979</td>
<td>Shri Sulax Shah (I/c Head) (BE)</td>
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<table>
<thead>
<tr>
<th>Constituent College</th>
<th>Year of Establishment</th>
<th>Principal</th>
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<tbody>
<tr>
<td>27</td>
<td>M B Patel College of Education</td>
<td>1960</td>
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AUTHORITIES OF THE UNIVERSITY

(i) The Senate

(ii) The Syndicate (1st April 2012 to 31st March 2015)

<table>
<thead>
<tr>
<th>The Vice Chancellor</th>
<th>8</th>
<th>Mrs. Rekha Linus Emanuel</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Prof Harish Padh</td>
<td></td>
<td>Principal</td>
</tr>
<tr>
<td>Vice Chancellor</td>
<td></td>
<td>S M Patel College of Home Science</td>
</tr>
<tr>
<td>Sardar Patel University</td>
<td></td>
<td>Vallabh Vidyanagar – 388 120</td>
</tr>
<tr>
<td>Vallabh Vidyanagar – 388 120</td>
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</table>

Ten Persons Elected by the Senate

<table>
<thead>
<tr>
<th>2 Commissioner of Higher Education</th>
<th>9</th>
<th>Dr Indrajit Narvarlal Patel</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gujarat State, Old Sachivalaya</td>
<td></td>
<td>G-2, Saumil Apartment</td>
</tr>
<tr>
<td>Block No. 12, 3rd Floor</td>
<td></td>
<td>Nr Kamya Girls’s Hostel</td>
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<tr>
<td>Gandhinagar – 382 010</td>
<td></td>
<td>Off Karamsad Road</td>
</tr>
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<td>Vallabh Vidyanagar – 388 120</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>3 The Director, Technical Education</th>
<th>10</th>
<th>Shri Ketankumar Parsottamdas Patel</th>
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<tbody>
<tr>
<td>Gujarat State, Old Sachivalaya</td>
<td></td>
<td>Secretary</td>
</tr>
<tr>
<td>Sector-10, Block No-2, 2nd Floor</td>
<td></td>
<td>Charotar Education Society</td>
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<tr>
<td>Gandhinagar – 382 012</td>
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<td>Anand – 388 001</td>
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<table>
<thead>
<tr>
<th>4 The Director, Health and Medical Services and Medical Education</th>
<th>11</th>
<th>Shri Pragneshkumar Arvindbhai Patel</th>
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<tbody>
<tr>
<td>Gujarat State, Old Sachivalaya</td>
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<td>23 ‘Nandanvan’, Yogi Park Society</td>
</tr>
<tr>
<td>Medical Education and Research</td>
<td></td>
<td>Opp. Anand Arts College</td>
</tr>
<tr>
<td>G-Block, 2nd Floor, Civil Hospital</td>
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<td>Anand -388 001</td>
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<tr>
<td>Sector 12, Gandhinagar – 382 012</td>
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</table>

<table>
<thead>
<tr>
<th>5 The Director, Two Heads of Department of the University</th>
<th>12</th>
<th>Shri Bipinchandra Purshottamdas Patel</th>
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<tbody>
<tr>
<td>Head, Department of Education</td>
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</table>

| 6 Dr Samir Jagdishchandra Patel                               | 13 | Dr Dilipkumar Gordhanbhai Patel     |
| Head, Department of Psychology                               |   | Assistant Professor                 |
| Sardar Patel University                                      |   | M B Patel College of Education      |
| Vallabh Vidyanagar – 388 120                                |   | Sardar Patel University             |

14 Dr Ghanshyamsinh Narsinh Gadhavi

<p>| 7 Dr Varmala Tirathram Bhamwari                               | 16 | Raghuvansh Co. op Society          |
| Principal                                                     |   | Nr Hari Om Nagar, Nana Bazar       |
| Anand Education College                                       |   |                                   |
| Anand – 388 001                                               |   |                                   |</p>
<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Position/Role/Institution</th>
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<tbody>
<tr>
<td>15</td>
<td>Dr Shirish H Srivastava</td>
<td>One Representative of the Institute of Agriculture, Anand</td>
</tr>
<tr>
<td></td>
<td>Pramukh Swami Medical College</td>
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<td>Karamsad – 388 325</td>
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<tr>
<td>21</td>
<td>Smt Rupa Anand Dalal</td>
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<td></td>
<td>1, Marlow</td>
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<tr>
<td>16</td>
<td>Shri Gurucharan A Patel</td>
<td>One Representative elected by the Birla Education Trust, Anand</td>
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<tr>
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<td>22</td>
<td>Dr Farokh Sorabji Umrigar</td>
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<td>17</td>
<td>Ms Kyatiben Patel</td>
<td>Four Persons Nominated by the State Government</td>
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<td>Dr Nikhil Zaveri</td>
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<tr>
<td>25</td>
<td>Shri Jayprakash V Patel</td>
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<td>Commerce and Management (SEMCOM)</td>
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<td>20</td>
<td>Shri Hemantkumar J Patel</td>
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<td>Advocate</td>
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</tr>
<tr>
<td></td>
<td>M P Chambers, Court Road Crossing</td>
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<td>Anand – 388 001</td>
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<tr>
<td>26</td>
<td>Shri Rajesh R Patel</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Near Ramdev Mandir</td>
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<td>Vidyanagar Road</td>
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<td>Karamsad – 388 125</td>
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</table>

(iii) The Academic Council

(iv) The Faculties

(v) The Boards of Studies

(vi) The Board of Postgraduate Studies and Research
## OFFICIALS OF THE UNIVERSITY

<table>
<thead>
<tr>
<th>No.</th>
<th>Designation</th>
<th>Name</th>
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<tbody>
<tr>
<td>1</td>
<td>Vice Chancellor</td>
<td>Prof Harish Padh MSc, PhD, FGSA</td>
</tr>
<tr>
<td>2</td>
<td>Registrar I/c</td>
<td>Mr Tushar Majmudar MSc, DCA</td>
</tr>
<tr>
<td>3</td>
<td>Deputy Registrar</td>
<td>Mr Tushar Majmudar MSc, DCA</td>
</tr>
<tr>
<td>4</td>
<td>Deputy Registrar (Academic)</td>
<td>Mr Nilesh M Patel MBA</td>
</tr>
<tr>
<td>5</td>
<td>Deputy Registrar</td>
<td>Vacant</td>
</tr>
<tr>
<td>6</td>
<td>Assistant Registrar (Examination)</td>
<td>Mr Mayank Bhatt MSc</td>
</tr>
<tr>
<td>7</td>
<td>Development Officer</td>
<td>Dr Raghav M Patel MA, LLB, PhD</td>
</tr>
<tr>
<td>8</td>
<td>University Engineer</td>
<td>Mr Parag N Vaidya BE (Civil)</td>
</tr>
<tr>
<td>9</td>
<td>Coordinator, ERU</td>
<td>Dr Ilesh Dave MCom, PhD</td>
</tr>
<tr>
<td>10</td>
<td>Director, Physical Education</td>
<td>Dr Gursevak Singh Saggu MPE, NIS, PhD</td>
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<td>11</td>
<td>Librarian</td>
<td>Vacant</td>
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<tr>
<td>12</td>
<td>Director, Computer Centre</td>
<td>Dr (Mrs) Jyoti Tiwari MSc, PhD</td>
</tr>
<tr>
<td>13</td>
<td>Press Manager</td>
<td>Mr Jatin H Somani DPTech</td>
</tr>
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<td>Medical Officer</td>
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<tr>
<td>15</td>
<td>Curator</td>
<td>Mr Amol A Mohite MA (Museology)</td>
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<tr>
<td>16</td>
<td>Chief Accounts Officer</td>
<td>Vacant</td>
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</table>
### AFFILIATED COLLEGES

<table>
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<tr>
<th>No.</th>
<th>Name of the College</th>
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<tr>
<td>1.</td>
<td>AIMS College of Management and Technology</td>
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<td>2.</td>
<td>Akhilesh Sureshbhai Patel Arts College</td>
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<tr>
<td>3.</td>
<td>Alpesh N Patel PG Institute</td>
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<td>4.</td>
<td>Anand Arts College</td>
<td>Dr Beena A Mahida</td>
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<td>Anand College of Education</td>
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<td>Dr Narrotam N Patel</td>
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<td>Dr Varmala T Bhamwari</td>
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<td>8.</td>
<td>Anand Homeopathic Medical College and Research Institute</td>
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<td>9.</td>
<td>Anand Institute of Business Studies</td>
<td>I/C Principal</td>
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<td>Anand Institute of Social Work</td>
<td>I/C Principal</td>
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<td>Anand Law College</td>
<td>I/C Principal</td>
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<td>Anand Mercantile College of Science, Management and Computer</td>
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<td>Ashok and Rita Patel Institute of Integrated Study and Research in Biotechnology and Allied Science (ARIBAS)</td>
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<td>B J Vaniyaj Mahavidyalaya</td>
<td>Dr R K Kakkad</td>
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<td>B N Patel Institute of Paramedical and Science</td>
<td>I/C Principal</td>
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<td>C Z Patel College of Business and Management</td>
<td>Dr Atul Bansal</td>
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<tr>
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<td>Centre for Studies and Research on Life and Works of Sardar Vallabhbhai Patel (CERLIP)</td>
<td>Dr Hari Desai</td>
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<td>Christian College of Education</td>
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<td>CP Patel and FH Shah Commerce College</td>
<td>Dr Ramanlal D Modi</td>
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<td>Shri Knaiyalal F Patel</td>
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<td>D C Patel School of Architecture Arvindbhai Patel Institute of Environment Design</td>
<td>Priti R Shah</td>
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<td>F H Shah Institutes of Management and Information Technology</td>
<td>Dr G V Mehta</td>
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<td>Gordhandas Jamnadas Patel College of Management and Technology</td>
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<td>H M Patel Institute of English Training and Research</td>
<td>Dr R P Jadeja</td>
</tr>
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<td>Institute of Language Studies and Applied Social Sciences (ILSASS)</td>
<td>Dr Sunny Thomas</td>
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<td>29.</td>
<td>Institute of Science and Technology for Advanced Studies and Research (ISTAR)</td>
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<td>Khushalbhai M Patel Institute of Physiotherapy</td>
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<td>Dr D S Raj</td>
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<td>Natubhai V Patel College of Pure and Applied Sciences</td>
<td>Dr Basudeb Bakshi</td>
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<td>Pramukhswami Medical College</td>
<td>Dr Utpala Kharod</td>
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<td>R N Patel Ipcowala School of Law and Justices</td>
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<td>46.</td>
<td>Rama Manubhai Desai College of Music and Dance</td>
<td>I/C Principal</td>
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<td>Dr (Mrs) Rekhaben Emanuel</td>
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<td>50.</td>
<td>Sardar Gunj Mercantile Co-Operative Bank Ltd. (Anand) English Medium College of Commerce (SEMCOM)</td>
<td>Dr Nikhil Zaveri</td>
</tr>
<tr>
<td>51.</td>
<td>Sardar Patel College of Administration and Management</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>52.</td>
<td>Sardar Patel College of Education</td>
<td>I/C Principal</td>
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<tr>
<td>53.</td>
<td>Sardar Patel Institute of Applied Sciences</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>54.</td>
<td>Shivam Institute of Management, Commerce and Computer Technology</td>
<td>I/C Principal</td>
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<tr>
<td>55.</td>
<td>Shree D N Institute of PG Studies in Commerce</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>56.</td>
<td>Shree Dr V H Dave Homoeopathic Medical College and Smt Shardaben I Patel (Ipcowala) Homoeopathic Hospital</td>
<td>Dr P C Dave</td>
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<tr>
<td>57.</td>
<td>Shree J M Patel Institute of Social Work and Applied Arts</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>No.</td>
<td>Name of the College</td>
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<tr>
<td>58</td>
<td>Shree J M Patel PG Studies and Research in Humanities</td>
<td>Dr Hamirbhai P Makwana</td>
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<td>59</td>
<td>Shree P M Patel College of Computer Science and Technology</td>
<td>I/C Principal</td>
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<td>60</td>
<td>Shree P M Patel College of Education</td>
<td>Dr R S Prajapati</td>
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<tr>
<td>61</td>
<td>Shree P M Patel College of Electronic and Communication</td>
<td>Dr Babita A Saiyed</td>
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<td>62</td>
<td>Shree P M Patel College of Law and Human Rights</td>
<td>I/C Principal</td>
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<tr>
<td>63</td>
<td>Shree P M Patel Institute of PG Studies and Research in Applied Sciences</td>
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<tr>
<td>64</td>
<td>Shree P M Patel Institute of PG Studies and Research in Science</td>
<td>I/C Principal</td>
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<tr>
<td>65</td>
<td>Shree Babubhai G Patel College of Physiotherapy</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>66</td>
<td>Shree Bavis Gam BEd College</td>
<td>I/C Principal</td>
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<tr>
<td>67</td>
<td>Shri Bhikhabhai Patel Arts College</td>
<td>Shri R P Bhoi</td>
</tr>
<tr>
<td>68</td>
<td>Shri Bhikhabhai Patel Institute of PG Studies &amp; Research in Humanities</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>69</td>
<td>Shri D N Institute of Business Administration</td>
<td>I/C Principal</td>
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<tr>
<td>70</td>
<td>Shri D N Patel Institute of Computer Application</td>
<td>I/C Principal</td>
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<tr>
<td>71</td>
<td>Shri I J Patel BEd College</td>
<td>Dr Nusrat Kadri</td>
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<td>72</td>
<td>Shri I J Patel MEd Course</td>
<td>I/C Principal</td>
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<tr>
<td>73</td>
<td>Shri J M Patel Arts College</td>
<td>Dr Vipul M Shrimali</td>
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<tr>
<td>74</td>
<td>Shri P M Patel College of Paramedical Science and Technology</td>
<td>I/C Principal</td>
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<tr>
<td>75</td>
<td>Shri P M Patel Institute of Biosciences</td>
<td>I/C Principal</td>
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<tr>
<td>76</td>
<td>Shri P M Patel Institute of Business Administration</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>77</td>
<td>Shri P M Patel Institute of Integrated MSc in Biotechnology</td>
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<tr>
<td>78</td>
<td>Shri V J Patel College of Physical Education</td>
<td>I/C Principal</td>
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<tr>
<td>79</td>
<td>Shri V Z Patel Commerce College</td>
<td>Dr J H Patel</td>
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<tr>
<td>80</td>
<td>Smt K P Patel Institute of Physiotherapy and Occu. Therapy</td>
<td>I/C Principal</td>
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<tr>
<td>81</td>
<td>Smt Kamalaben P Patel College of Home Science</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>82</td>
<td>Smt L P Patel Institute of Medical Laboratory Technology</td>
<td>Dr Sunil Trivedi</td>
</tr>
<tr>
<td>83</td>
<td>Smt Pushpaben Kanaiyalal Inamdar College of Education</td>
<td>I/C Principal</td>
</tr>
<tr>
<td>84</td>
<td>St. Stephen Institute of Business Management and Technology</td>
<td>I/C Principal</td>
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<tr>
<td>85</td>
<td>Takshashila College of Management and Technology</td>
<td>I/C Principal</td>
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<tr>
<td>86</td>
<td>Tarkesh and Niranjan Sureshbhai Patel Commerce College</td>
<td>I/C Principal</td>
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<tr>
<td>87</td>
<td>V P and R P T P Science College</td>
<td>Dr Bhavesh D Patel</td>
</tr>
<tr>
<td>88</td>
<td>Waymade College of Education (English Medium)</td>
<td>Dr (Mrs) Sulbha Natraj</td>
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</tbody>
</table>
### AFFILIATED COLLEGES HAVING DIPLOMA, POSTGRADUATE, RESEARCH PROGRAMMES

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the College</th>
<th>PG Programs</th>
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<tbody>
<tr>
<td>1</td>
<td>N A and T V Patel Arts College</td>
<td>MA (Logic and Philosophy), PhD (Philosophy)</td>
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<tr>
<td>2</td>
<td>Anand Institute of PG Studies in Arts</td>
<td>MA (English, Hindi, Gujarati, History, BLib, MLib)</td>
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<tr>
<td>3</td>
<td>N S Patel Arts College</td>
<td>MA (Economics, Gujarati, Hindi, English, MPA, MSW)</td>
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<tr>
<td>4</td>
<td>Shri Bhikhabhai Patel Arts College</td>
<td>MA (English, Hindi)</td>
</tr>
<tr>
<td>5</td>
<td>Shri A N Patel PG Institute</td>
<td>MSc (Chemistry, Microbiology, Biotechnology, MLT)</td>
</tr>
<tr>
<td>6</td>
<td>A M College of Science and Computer Technology</td>
<td>MSc (Biotechnology, Information Technology), PGDCA</td>
</tr>
<tr>
<td>7</td>
<td>Sardar Gunj Mercantile Co-Operative Bank Ltd. (Anand)</td>
<td>English Medium College of Commerce</td>
</tr>
<tr>
<td></td>
<td>Shri Bhikhabhai Patel Arts College</td>
<td>Master of E-Business</td>
</tr>
<tr>
<td>8</td>
<td>C P Patel and F H Shah Commerce College</td>
<td>MCom (Business Studies)</td>
</tr>
<tr>
<td>9</td>
<td>SICART</td>
<td>PhD Programme, Electrical Engineering, Mechanical Engineering, Civil Engineering, Structural and Transportation Engineering</td>
</tr>
<tr>
<td>10</td>
<td>H M Patel Institute of English Training and Research</td>
<td>MA (ELT), MPhil (ELT), PhD</td>
</tr>
<tr>
<td>11</td>
<td>Anand Law College</td>
<td>LLM</td>
</tr>
<tr>
<td>12</td>
<td>S M Patel College of Home Science</td>
<td>Diploma Courses in Fashion Design in Fashion and Merchandising, Early Childhood Care and Education, Fashion Design</td>
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<tr>
<td>13</td>
<td>Anand Homoeopathic Medical College and Research Institute</td>
<td>MD Materia Medica, MD Repertory, MD Homoeopathic Philosophy</td>
</tr>
<tr>
<td>14</td>
<td>Shri Dr V H Dave Homoeopathic College and Research Institute</td>
<td>MD Materia Medica, MD Repertory, MD Homoeopathic Philosophy</td>
</tr>
<tr>
<td>15</td>
<td>Pramukhswami Medical College</td>
<td>M.D (Anesthesiology, Biochemistry, Dermatology, General Medicine, Microbiology, Obst. Gynaec, Pathology, Paediatrics, Pharmacology, Radiodiagnosis, Community Medicine, TB &amp; Chest Diseases, Anatomy, Physiology.) M.S (Ophthalmology, Orthopaedics, Otorhinolaringology, General Surgery.)</td>
</tr>
<tr>
<td>16</td>
<td>Shri Babubhai G Patel College of Physiotherapy</td>
<td>Master of Physiotherapy</td>
</tr>
<tr>
<td>17</td>
<td>Institute of Science and Technology for Advanced Studies and Research (ISTAR)</td>
<td>MSc (Organic Chemistry, Inorganic Chemistry, Instrumentation, Polymer Science and Technology, Surface Coating Technology, Environmental Science Technology, Information Technology, Oil fats and Waxes.) Master Valuation (Real Estate, Plant and Machinery). MIH (Industrial Hygiene and Safety).</td>
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<tr>
<td>No.</td>
<td>Name of the College</td>
<td>PG Programs</td>
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<tr>
<td>18</td>
<td>D C Patel School of Architecture</td>
<td>Technology in Town Planning, M.Tech</td>
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<tr>
<td></td>
<td>Arvindbhai Patel Institute of Environment Design</td>
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<tr>
<td>19</td>
<td>Shri P M Patel College of Paramedical Science and Technology</td>
<td>MSc (MLT), DMLT</td>
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<tr>
<td>20</td>
<td>Anand Institute of Business Studies</td>
<td>M Com (Business Studies) E-Business</td>
</tr>
<tr>
<td>21</td>
<td>Anand Institute of Social Work</td>
<td>MHRM, MSW</td>
</tr>
<tr>
<td>22</td>
<td>Ashok and Rita Patel Institute of Integrated studies in Biotechnology</td>
<td>MSc (Integrated Biotechnology, Genetics, Microbiology, Pharmaceuticals Chemistry, Biotechnology)</td>
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<td>23</td>
<td>Shree P M Patel Institute of Biotechnology</td>
<td>MSc (Integrated Biotechnology)</td>
</tr>
<tr>
<td>24</td>
<td>Shree P M Patel Institute of Biosciences</td>
<td>MSc (Microbiology, Biotechnology)</td>
</tr>
<tr>
<td>25</td>
<td>Smt L P Patel Institute of Medical Laboratory Technology</td>
<td>MSc (MLT)</td>
</tr>
<tr>
<td>26</td>
<td>Shree J M Patel PG Studies and Research in Humanities</td>
<td>MA (English, Hindi, Sanskrit, Gujarati, Education)</td>
</tr>
<tr>
<td>27</td>
<td>Shree J M Patel Institute of Social Work and Applied Arts</td>
<td>MHRM, MSW</td>
</tr>
<tr>
<td>28</td>
<td>Shri K P Patel College of Home Science</td>
<td>MSc Home Science (Food and Nutrition, Food Bio-Technology), PGDID</td>
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<tr>
<td>29</td>
<td>Khushalbhai M Patel Institute of Physiotherapy</td>
<td>M Physiotherapy</td>
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### VICE CHANCELLORS OF SARDAR PATEL UNIVERSITY

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the Vice Chancellors</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr Bhailalbhai D Patel (Shri Bhaikaka)</td>
<td>19-12-1955 to 18-12-1958</td>
</tr>
<tr>
<td>2</td>
<td>Shri Babubhai J Patel</td>
<td>19-12-1958 to 18-12-1961</td>
</tr>
<tr>
<td>3</td>
<td>Dr Maganbhai D Patel</td>
<td>19-12-1961 to 15-11-1963</td>
</tr>
<tr>
<td>4</td>
<td>Shri Ishvarbhai J Patel</td>
<td>16-11-1963 to 24-04-1970</td>
</tr>
<tr>
<td>5</td>
<td>Shri Rameshbhai S Mehta</td>
<td>25-04-1970 to 31-12-1974</td>
</tr>
<tr>
<td>6</td>
<td>Dr Ramanbhai D Patel</td>
<td>19-04-1975 to 18-04-1978</td>
</tr>
<tr>
<td>7</td>
<td>Dr Ranchhodbhai M Patel</td>
<td>19-04-1978 to 18-04-1981</td>
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<tr>
<td>8</td>
<td>Shri Krishnalal N Shah</td>
<td>19-04-1981 to 18-04-1987</td>
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<tr>
<td>9</td>
<td>Dr Kantibhai C Patel</td>
<td>19-04-1987 to 18-04-1990</td>
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<tr>
<td>10</td>
<td>Dr Dilavarsinh D Jadeja</td>
<td>19-04-1990 to 18-04-1996</td>
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<tr>
<td>11</td>
<td>Dr Vitthalbhai S Patel</td>
<td>25-07-1996 to 24-07-2002</td>
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<tr>
<td>12</td>
<td>Dr Pravinchandra J Patel</td>
<td>19-09-2002 to 18-09-2005</td>
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<tr>
<td>13</td>
<td>Dr Bharatkumar G Patel</td>
<td>17-05-2007 to 17-05-2010</td>
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<tr>
<td>14</td>
<td>Prof Harish Padh</td>
<td>01-07-2010 to 30-06-2013</td>
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<tr>
<td>15</td>
<td>Prof Harish Padh</td>
<td>01-08-2014 onward</td>
</tr>
</tbody>
</table>

### REGISTRARS OF SARDAR PATEL UNIVERSITY

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of The Registrars</th>
<th>Period</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Shri C N Patel</td>
<td>15-12-1956 to 08-07-1957</td>
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<tr>
<td>2</td>
<td>Shri K J Majmudar</td>
<td>03-12-1957 to 22-06-1960</td>
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<tr>
<td>3</td>
<td>Shri H A Mistry</td>
<td>01-10-1961 to 07-06-1962</td>
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<tr>
<td>4</td>
<td>Shri D B Patel</td>
<td>09-06-1962 to 08-12-1963</td>
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<tr>
<td>5</td>
<td>Shri K A Amin</td>
<td>01-06-1964 to 04-02-1980</td>
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<td>6</td>
<td>Shri R C Thakkar</td>
<td>05-02-1980 to 23-08-1988</td>
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<td>7</td>
<td>Shri Niranjan Upadhyay</td>
<td>01-10-1988 to 23-02-1993</td>
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<tr>
<td>8</td>
<td>Shri Chandrakant M Patel</td>
<td>01-09-1993 to 17-12-1995</td>
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<tr>
<td>9</td>
<td>Shri Kanubhai M Patel</td>
<td>18-12-1995 to 17-10-1998</td>
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<tr>
<td>10</td>
<td>Dr B Natraj</td>
<td>01-09-2000 to 31-10-2010</td>
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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 AVRL Narasimhacharya, Phones: (O) 02692 234402 (R) 02692 235815

Faculty: One of the major strengths of the department is various collaborative and interdisciplinary research projects carried out by various faculty members. The total strength of the faculty of the department is Professors: 7, Associate Professor: 6, Assistant Professors: 1, at present, Technical Staff: 5, Administrative Staff: 4, Supporting Staff: 7.

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

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 (Shimadzu), Elisa Plate Reader (Molecular Devices), Cryocut (Leica), UV Visible spectrophotometers (Hewlett Packard, Unichem Beckman), FPLC (BioRad), 2D Electrophoresis (BioRad), Lyophilizer (FTS), -85°C Deep Freezer (Sanyo), Refrigerated Centrifuges (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), Thermocyclers (Eppendorf, ABI)

Major Research Activities

Microbial and Environmental Biotechnology
- Purification and Structural Characterization of Phycobiliproteins from Cynobacteria 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.
- Identification of novel enzymes/metabolites from Microorganism
- Isolation of Lactobacilli and their probiotic potential

Plant and Animal Sciences
- Histology and histochemistry of cambial development in tropical trees
- Histo-physiology of fruit development and ripening
- Pre and postharvest Technology of fruits
- Micropropagation of ecologically and medicinally important plant
- Elucidation of disease resistance mechanisms in plant at structural, biochemical and molecular level.
- 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
- Mammalian Physiology (Carbohydrate, Lipid Metabolism, hypertension, Fluorosid – bioremediation)
Plant and Microbial Biodiversity
- Distribution mapping of some medicinal plants in Shoolpaneshwar Wildlife 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, Department of Biotechnology, Griffith University, Australia, Institute of Plant Genetics and Biotechnology, Slovak Academy of Sciences, Nitra, Slovak 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), Borivli, 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


<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
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<tbody>
<tr>
<td>MSc Microbiology</td>
<td>4 Semesters</td>
<td>BSc Microbiology/ BSc (Any Subject of Biosciences)</td>
<td>Focus on Environmental Biotechnology, Enzyme Technology and Molecular Biology</td>
</tr>
<tr>
<td>PhD Microbiology</td>
<td>6 Semesters</td>
<td>MSc Biosciences</td>
<td>Enzyme and Fermentation Technologies, Environmental Studies, Molecular Biology</td>
</tr>
<tr>
<td>MSc Biochemistry</td>
<td>4 Semesters</td>
<td>BSc Biochemistry/ BSc (Any Subject of Biosciences)</td>
<td>Plant and Animal Biochemistry, Molecular Biology, Bioremediation</td>
</tr>
<tr>
<td>PhD Biochemistry</td>
<td>6 Semesters</td>
<td>MSc Biosciences</td>
<td>Immunology, Bioremediation, Health Science</td>
</tr>
<tr>
<td>MSc Biotechnology</td>
<td>4 Semesters</td>
<td>BSc Biotechnology/ BSc (Any Subject of Biosciences)</td>
<td>General Biotechnology covering Plant, Animal and Microbial Biotechnology</td>
</tr>
<tr>
<td>PhD Biotechnology</td>
<td>6 Semesters</td>
<td>MSc Biosciences</td>
<td>Plant Biotechnology, Microbial Biotechnology and Animal Biotechnology</td>
</tr>
<tr>
<td>MSc Botany</td>
<td>4 Semesters</td>
<td>BSc Botany (Any subject of Biosciences)</td>
<td>Systematic and Environmental Biotechnology, Physiology, Biodiversity, Tissue Culture, Biotechnology</td>
</tr>
<tr>
<td>PhD Botany</td>
<td>Minimum 6 Semesters</td>
<td>MSc</td>
<td>Tissue Culture, Wood Biology, Plant-Microbe interaction, Bio-control, Phytoremediation, Physiology, Plant Systematic</td>
</tr>
<tr>
<td>MSc Zoology</td>
<td>4 Semesters</td>
<td>BSc Zoology (Any subject of Biosciences)</td>
<td>Cell Molecular Biology, Immunology, Biotechnology, Applied Physiology, Molecular and Applied Endocrinology, Biology of Behaviour</td>
</tr>
<tr>
<td>PhD Zoology</td>
<td>Minimum 6 Semesters</td>
<td>MSc Zoology</td>
<td>Endocrinology, Integumentary, Biology, Toxicology, Mammalian Physiology</td>
</tr>
</tbody>
</table>
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), 1HNMR (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


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.
• Total 64 BSR fellowships received.
• 2 Faculty received USC BSR one time grant 1) Prof H S Patel 2) Prof M N Patel
• UGC BSR faculty fellowship awarded to Prof H S Patel from June 2014 to May 2017
• 2 DST major research project awarded to Dr S S Soni and Dr K R Surti
<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc Chemistry</td>
<td>4 Semesters</td>
<td>BSc/BS Chemistry</td>
<td>Specialization in any of Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Industrial Polymer Chemistry</td>
</tr>
<tr>
<td>PhD Chemistry</td>
<td>Minimum 6 Semesters</td>
<td>MSc / MS Chemistry</td>
<td>Different branches of Chemistry as listed above</td>
</tr>
</tbody>
</table>
G H PATEL INSTITUTE OF COMPUTER SCIENCE AND TECHNOLOGY
(DEPARTMENT OF COMPUTER SCIENCE)

Head of the Department: Prof P V Virparia, Phones: (O): 02692 236829, 230389 Ext 207 (R): 02692 248346 Fax (O): 02692 236829

E-mail: gdestspu@yahoo.com

Faculty: Professors: 4, Associate Professors: 1, and Assistant Professors: 7, Technical Assistants: 5

Courses Offered: MCA, PGDCA (PG Diploma in Computer Science and Application), MSc (Bioinformatics), M.Sc (IT), M.Phil, PhD (Computer Science), PhD (Bioinformatics)


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

Databases: Oracle 10g, Oracle 8i, 9i, MySQL, 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.


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.


Major achievements
• Number of National Awards won - 4
• Conducted 21 Refresher Courses/Training Programmes, Produced 22 PhD
<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Master of Computer Applications (MCA)</td>
<td>6 Semesters</td>
<td>MCA programme are governed by the admissions committee formed by the Gujarat State Government. A Gujarat Common Entrance Test (GCET) is conducted by the committee and admissions are based on the candidate’s merit.</td>
<td></td>
</tr>
<tr>
<td>Postgraduate Diploma in Computer Science and Applications (PGDCA)</td>
<td>2 Semesters</td>
<td>Bachelor’s degree examination (Under 10+2+3 pattern) of this University or any other examination recognized as equivalent thereto by this University.</td>
<td></td>
</tr>
<tr>
<td>MSc (Bioinformatics)</td>
<td>4 Semesters</td>
<td>Passed BSc (all sciences), BSc (Home Science), BSc (Agriculture), BSc (Veterinary Science), BPharm, BE, BTech, BHMS, BAMS, BDS, BCA, MCA, or MBBS examination of this University or any other examination recognized as equivalent thereto by this University with a score of at least 45% in the aggregate, will be considered eligible for admission to MSc (Bioinformatics) programme.</td>
<td></td>
</tr>
<tr>
<td>MSc (Information Technology)</td>
<td>4 Semesters</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPhil (Computer Science)</td>
<td>2 Years (Part-Time)</td>
<td>Admissions to M.Phil. programme are given through entrance test conducted by the university. To be eligible for admission to MPhil programme, a candidate has to secure minimum 50% marks in the entrance test conducted by the university, and must have secured 50% or more in P.G. degree examination.</td>
<td></td>
</tr>
<tr>
<td>PhD (Computer Science)</td>
<td>Minimum 2 Years Minimum 3 Years</td>
<td>Ph.D. programme are given through entrance test conducted by the university twice in a year. To be eligible for admission to PhD programme, a candidate has to secure minimum 50% marks in the entrance test conducted by the university, and must have secured 50% or more in P.G. degree examination.</td>
<td></td>
</tr>
<tr>
<td>PhD (Bioinformatics)</td>
<td>Minimum 2 Years Minimum 3 Years</td>
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</tr>
</tbody>
</table>
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: Senior Technical Assistant: 1, Laboratory Assistant: 1

Courses Offered: MSc (Electronics), PhD (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


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.
<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc, Electronics</td>
<td>4 Semesters</td>
<td>BSc/BSc Instrumentation (Vocational) BSc (Electronics and Communication)</td>
<td>Emphasizing Electronic materials, devices and applications,</td>
</tr>
<tr>
<td>PhD Electronics</td>
<td>Minimum 6 Semesters</td>
<td>MSc Electronics</td>
<td>Schottky diod, Thin Film, Transistors, Solar cells, Gas Sensors, Strain Gauges, Thermo couples, Biosensors Semiconductors</td>
</tr>
</tbody>
</table>
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 (Mrs) S Manocha, Phones: (O) 02692 226853/235183 (R) 02692 236713 Fax: 02692 235183/236475 E-mail: hdmssp@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 Metroplan 12POLs; Shimadzu UV-WS 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).


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: MOU has been signed Under UGC CAS program with (1) Shinshu University, Nagano Japan. (2) Seoul National University of Science & Technology, South Korea. (3) Argonne National Laboratory, USA.

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<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc Materials Science</td>
<td>4 Semesters</td>
<td>BSc/ BS Physics/ Chemistry/ Industrial Chemistry/Polymer Chemistry</td>
<td>Engineering materials, properties, testing, Fabrication Science and Characterization, nanomaterials, Corrosion and Environment</td>
</tr>
<tr>
<td>MSc Nano Science and Nano Technology</td>
<td>4 Semesters</td>
<td>BSc/ BS Physics/ Chemistry</td>
<td>Science of Nanomaterials, properties, testing, fabrication and Characterization</td>
</tr>
<tr>
<td>PhD Materials Science</td>
<td>Minimum 6 Semesters</td>
<td>MSc/ MS Materials Science Physics/ Chemistry</td>
<td>Development of bulk and nanomaterials for structural application based on Carbon, Ceramics, polymers and wastes materials utilization</td>
</tr>
<tr>
<td>PhD Materials Technology</td>
<td>Minimum 6 Semesters</td>
<td>BE/ ME</td>
<td>Development of bulk and nanomaterials for structural application based on Carbon, Ceramics, polymers and wastes materials utilization</td>
</tr>
</tbody>
</table>
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: 3, Associate Professor: 3, Assistant Professor: 3

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


Research Facilities: NBHM Regional Library (around 8000 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 in each class and seminar Hall, Slide Projectors interactive board.

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

- 6 Special Training Programmes for students appearing in CSIR-UGC, National Eligibility Test NET-JRF,
- 21 Conferences/Seminars; and 12 Refresher courses organized
- 21 PhD produced and 24 in progress;
- 80 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 Associateship
- UGC-SAP-DRS in Functional Analysis, Geometry and Applications
- 6 Books published
- 16 Research projects completed
- More than 60 students having cleared CSIR-NET-JRF/NBHM test
- Provision of Dissertation at MSc
- 15+ Projects by MSc students
- 13 Students selected as Assistant Professor in GPSC among total 22.
**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

<table>
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<th>Programme</th>
<th>Duration</th>
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<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc Mathematics</td>
<td>4 Semester</td>
<td>BSc/BS Maths</td>
<td>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</td>
</tr>
<tr>
<td>MPhil Mathematics</td>
<td>2 Semester</td>
<td>MSc/MS Maths</td>
<td>Research Oriented Advanced Syllabus and a Dissertation Interwoven, Special Training for CSIR-NET-JRF</td>
</tr>
<tr>
<td>PhD Mathematics</td>
<td>Minimum 6 Semester</td>
<td>MSc/MS Maths</td>
<td>International Level Research in Functional Analysis, Harmonic, Analysis, Relativity and Cosmology, Tribology</td>
</tr>
</tbody>
</table>
Head of the Department: Prof (Dr) Vinayak H Patel

Phone: (O) 02692 226877

E-mail: patelvh2004@yahoo.co.in

Faculty: Professor -2, Associate Professor-2, Assistant Professors-2, 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 (Grant in Aid): 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 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, 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, natural dyes, textile finishes, textile crafts.

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 e.g. AMUL, Windsor Biscuits etc, House-keeping aspects of Hotel Industries, Training in Textile and Garment Industries e.g. Arvind Mills, Mafatlal, Rashvik Industries etc.


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

- **20.00 lakh** under NON SAP infrastructure grant in 2008-09 and 2009-10. Under this, it also received **four** meritorious student fellowships.
- **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).
- **39.50 lakh** from the Government of Gujarat (Innovative Programme) to start Diploma in Food Designing and Quality Assurance in the year 2009.
- Identification as SAP Department and receiving **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.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc (Foods and Nutrition)</td>
<td>4 Semesters</td>
<td>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+3 system).</td>
<td>Food Chemistry, Food Analysis, Food Processing, Food Quality Assurance, Human Genetics, Physiology and Clinical Biochemistry, Community Nutrition, Therapeutic Diet etc.</td>
</tr>
<tr>
<td>MSc (General)</td>
<td>4 Semesters</td>
<td>BSc with General Home Science/FN/FSQC/FRM/RM/HD/CD/TC/MSc (Agriculture with Home Science) or any other equivalent recognized examination.</td>
<td>Foods and Nutrition, Human Development, Family Resource Management, Textiles and Clothing etc.</td>
</tr>
<tr>
<td>Programme</td>
<td>Duration</td>
<td>Eligibility</td>
<td>Highlights</td>
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<tr>
<td>MSc (Food Biotechnology)</td>
<td>4 Semesters</td>
<td>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).</td>
<td>Cell and Molecular Biology, R-DNA Technology, Nutritional Biotechnology, Human Genetics, Microbial Biotechnology etc.</td>
</tr>
<tr>
<td>MSc (Human Development)</td>
<td>4 Semesters</td>
<td>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.</td>
<td>Early Childhood Care and Education, Growth and Development, Counselling, Advance Studies in Human Development etc.</td>
</tr>
<tr>
<td>MSc (Textiles and Clothing)</td>
<td>4 Semesters</td>
<td>BSc (Home Science) with Textiles and Clothing/General / BSc ( Home Economics) / BSc (Fashion and Apparel Design) / BSc (Agriculture with Home Science) / PG Diploma in Fashion Designing or any other equivalent recognized examination.</td>
<td>Garment Industry, Fashion Technology, Historic Textiles, Textiles Chemistry, Dyeing and Printing etc.</td>
</tr>
<tr>
<td>MSc (Family Resource Management)</td>
<td>4 Semesters</td>
<td>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.</td>
<td>Consumer Education, Interior Design, Ergonomics, Fuel Technology etc.</td>
</tr>
<tr>
<td>PhD (Foods &amp; Nutrition, Food Biotechnology, Textiles and Clothing)</td>
<td>Minimum 6 Semesters for full time and Minimum 8 Semesters for part time</td>
<td>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.</td>
<td>---</td>
</tr>
</tbody>
</table>
DEPARTMENT OF PHYSICS
(A UGC-SAP, DST-FIST DEPARTMENT)

Head of the Department: Prof U H Patel, Phone: (O) 02692 226843 (R) 02692 230040
E-Mail: u_h_patel@yahoo.com

Faculty: Professors: 08, Associate Professors: 04, Assistant Professor: 01

Courses Offered: M.Sc (Physics), M.Phil (Physics), Ph.D. (Physics)

Research Facilities and Major Sophisticated Equipments: Single Crystal X-ray Diffractometer, Powder X-Ray diffractometer, 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, DSC, Particle size analyzer, Photoluminescence(PL) spectrometer, Electrostat/galvanostat.


Academic linkages/ Collaborations: Interactive collaboration with research Institutes Professional Organization in India and abroad, 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) Synthesis of nano particle by comical route and characterized by various techniques along with application (b) several 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) Metallic complex of Biologically important molecules are synthesized and single crystal of transition metal complexes are grown 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 programmes. Good no of publication are in National and International Journal of repute.

Special Information: The Department has been recognized under DSA programmes of the UGC in the area of Condensed Matter Physics for the year 20. The Department has also been sponsored under the FIST Programme by the DST. Several other research projects are going on under various funding agencies like UGC,DAE-BRNS, ISRO, DST etc.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSc Physics</td>
<td>4 Semesters</td>
<td>BSc/BSc Physics</td>
<td>Solid state Physics/ Electronics, Theoretical and Computational Physics</td>
</tr>
</tbody>
</table>

29
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: 2, Associate Professors: 2, 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


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 32 PhD (Theoretical research).

<table>
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<tr>
<th>Programme</th>
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</tr>
</thead>
<tbody>
<tr>
<td>MSc Statistics</td>
<td>4 semesters</td>
<td>BSc Statistics, BSc Mathematics with subsidiary Statistics BSc General with Statistics</td>
<td>Specializations in (i) Financial Statistics (ii) Bio-statistics Compulsory Project work</td>
</tr>
<tr>
<td>MPhil Statistics</td>
<td>2 Semester</td>
<td>MSc in Statistics with 55% marks.</td>
<td>Advance level three courses plus dissertation.</td>
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<td>Full Time</td>
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</tr>
<tr>
<td></td>
<td>4 Semester</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Part-Time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MQPM</td>
<td>4 semesters</td>
<td>Any graduate with one course on Statistics/Mathematics</td>
<td>UGC supported Innovative Job oriented course</td>
</tr>
<tr>
<td>Certificate Course in SPSS</td>
<td>60 hours of teaching</td>
<td>Any graduate with basic knowledge of Computer, Statistics</td>
<td>Useful for any research organizations</td>
</tr>
<tr>
<td>Programme</td>
<td>Duration</td>
<td>Eligibility</td>
<td>Highlights</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>------------</td>
<td>------------------------------------------------------------------</td>
<td>--------------------------------------------------------------------</td>
</tr>
<tr>
<td>Certificate Course in Biostatistics</td>
<td>Six months</td>
<td>BSc in Statistics/BSc in Mathematics with subsidiary Statistics</td>
<td>Useful for Pharmaceutical/ Medical/ Diagnostic Industries</td>
</tr>
<tr>
<td>Certificate Course in Financial Statistics</td>
<td>Six months</td>
<td>BSc in Statistics/BSc in Mathematics with subsidiary Statistics</td>
<td>Useful for Banking, Insurance, and other financial sectors</td>
</tr>
</tbody>
</table>
DEPARTMENT OF GUJARATI

Head of the Department: Prof Pinakini Pandya, Phone: (O) 02692 226833 Fax: (O) 237258, 236475, E-mail: pinakinipandya@yahoo.com

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


Major Research Activities
• In the area of folk literature, linguistics medieval literature, diasporic literature, modern literature.


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.

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Regular</td>
<td>4 Semesters</td>
<td>BA Gujarati</td>
<td>---</td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA Gujarati</td>
<td>---</td>
</tr>
<tr>
<td>MPhil</td>
<td>2 Semesters</td>
<td>MA Gujarati</td>
<td>---</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>MA Gujarati</td>
<td>---</td>
</tr>
</tbody>
</table>
DEPARTMENT OF HINDI

Head of the Department: Professor (Dr) N K Chauhan, Phone: (O) 02692 226827 (R) 02692 245888

Faculty: Professors: 3, Assistant Professor: 2

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

Courses Offered: MA, MPhil, PhD, PG Diploma in Drama and Dramatics (Hindi), PG Diploma in Functional Hindi, MA External (Hindi).

Major Research Activities: Drama and Dramaturgy, Linguistics and Stylistics, Comparative Literature, Audio-Visual Mediums (Trust area of SAP-DSA-DRS: 1986 to 2007)

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 four phases on the thrust areas of Linguistics, Dramatics and Comparative Literature. Audio Visual Medium up to year 2007.
• Department of Hindi has seventeen publications under the SAP programme.
• A Thrust area oriented course has been introduced at PG level.
• Department has successfully organized 20 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 various burning problems. Repertory has performed around 375 plays in Gujarat, particularly in the rural areas of the state up to 2007.
• Department has been active in popularizing 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 of colleges.
• Almost every year, seminar, and workshop 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.
• Department has its own building of two floors with classrooms, faculty rooms, library, seminar room, lab student hall for academic, cultural and theatrical activities.
• Department has made its own identity in the state as well as country for Teaching, Learning, Research etc.
• As a healthy practice Department has been inviting visiting fellows from other parts of the county for guest lectures.
• Two teachers of the department have visited foreign countries for academic purpose.
<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Regular</td>
<td>4 Semesters</td>
<td>BA Hindi</td>
<td></td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA Hindi</td>
<td></td>
</tr>
<tr>
<td>MPhil Regular and Part Time</td>
<td>2 Semester / 4 Semester</td>
<td>MA Hindi</td>
<td></td>
</tr>
<tr>
<td>PhD Full Time and Part Time</td>
<td>Minimum 6 Semesters / Minimum 8 Semesters</td>
<td>MA Hindi</td>
<td></td>
</tr>
<tr>
<td>PG Diploma in Drama and Dramatics (Hindi) Regular</td>
<td>1 Year</td>
<td>Graduation</td>
<td></td>
</tr>
<tr>
<td>PG Diploma in Functional Hindi Regular</td>
<td>1 Year</td>
<td>Graduation</td>
<td></td>
</tr>
<tr>
<td>Certificate Course on Film and TV Acting (Self Financed)</td>
<td>6 Months</td>
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<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF SANSKRIT

Head of the Department: Professor (Dr) Niranjan P Patel, Phone: (O) 02692 226828 (R) 02692 229178 (M) 9825949753

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

Courses Offered: MA, MPhil, PhD (Alankara, Vedant, & Vyakarana), Certificate Course of Simple Sanskrit Speaking, MA External.

Major Research Activities: Sanskrit Prahasan, Vastushastra, Vedant and Manuscript Cataloging


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: 30
- Gujarat State Sanskrit Sahitya Academy Award for the best book of the year: 02
- Hari Om Awards for the best research papers of the year: 11
- Umashankar Joshi Varta Paritoshik: 01
- National Seminar/ Conference organized: 07
- 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 Nyaya, Vyakara, and Purana, 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, the department has introduced Sanjivani-tika of Mallinath on Meghadut.
- The Department has completed a Project of cataloging 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”.
- Total No of NET/SLET Cleared: 06
- The Department has completed a minor research project of Seed Money Grant of Sardar Patel University

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Regular</td>
<td>4 Semesters</td>
<td>BA Sanskrit</td>
<td>***</td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA Sanskrit</td>
<td>***</td>
</tr>
<tr>
<td>M Phil</td>
<td>2 Semesters</td>
<td>MA Sanskrit</td>
<td>***</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>MA Sanskrit</td>
<td>***</td>
</tr>
<tr>
<td>Certificate Course of Advance Studies in Sanskrit for foreign students.</td>
<td>***</td>
<td>***</td>
<td>***</td>
</tr>
</tbody>
</table>
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: 2, Assistant Professor: 2, (Two vacancies: Professor: 1, Associate Professor: 1).

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


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
- Organized 7 Workshops, 15 National Seminars, and 6 State Level Seminars so far.
- Organized 2 National Conferences (AIETC)-1981 and 2012, 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 USIEF.
- 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.
<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA (CBCS)</td>
<td>4 Semesters</td>
<td>BA English</td>
<td>English Literature, American Literature, Indian Writing in English, Modern English Language and Linguistics, English Language Teaching Higher Education and New Literatures</td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA English</td>
<td>English Literature, American Literature, Indian Writing in English, Modern English Language and Linguistics, English Language Teaching Higher Education and New Literatures</td>
</tr>
<tr>
<td>MPhil</td>
<td>2 Semesters</td>
<td>MA English</td>
<td>English Literature, Literature criticism, Literary Form, Applied Linguistics</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 3 Years</td>
<td>MA English</td>
<td>Comparative Literature, Literary Theories: East and West, Indian Literatures in Translation, Contemporary English Literature and Applied Linguistics</td>
</tr>
<tr>
<td>Advanced Certificate Course in Communication Skill in English</td>
<td>3 Months</td>
<td>10+2</td>
<td>---</td>
</tr>
<tr>
<td>PG Diploma in Teaching of English</td>
<td>1 Year</td>
<td>MA</td>
<td>---</td>
</tr>
<tr>
<td>PG Diploma in Translation in Studies</td>
<td>1 Year</td>
<td>Any Degree (BA Eng)</td>
<td>---</td>
</tr>
</tbody>
</table>
DEPARTMENT OF EDUCATION

Head of the Department: Dr Pallavi P Patel, Phone: (O) 02692 226838 (R) 247561 (M) 9825795920

Faculty: Professor: 1, Associate Professors: 2

Courses Offered: (1) MEd/MPhil (2) PhD (Philosophy of Education, Educational Management, Teacher Education)


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 computers.
• The faculty is also engaged in construction and standardization of tools for psychological testing.
• The Department publishes a Journal of Education and Psychology, which has National and International subscribers.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEd</td>
<td>1 Year</td>
<td>BEd</td>
<td>---</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>Master's Degree in Education</td>
<td>---</td>
</tr>
<tr>
<td>MPhil (Proposed)</td>
<td>4 Semesters (Part time)</td>
<td>Postgraduate in Education</td>
<td>---</td>
</tr>
</tbody>
</table>
Head of the Department: Professor (Dr) D J Chauhan, Phone: (O) 02692 232208 (R) 02692 234931

Faculty: Professors: 2, Associate Professors: 1, Assistant Professors: 4

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 and CAS 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. An extension wing has also been proposed for the Department.

Major Achievements
- Completed 88 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.
- 47 PhDs produced so far.
- 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 31 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.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Regular</td>
<td>4 Semesters</td>
<td>BA/BCom/ BBA</td>
<td>---</td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA/BCom/ BBA</td>
<td>---</td>
</tr>
<tr>
<td>MPhil</td>
<td>1 Year</td>
<td>MA Economics</td>
<td>---</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>MA Economics</td>
<td>---</td>
</tr>
</tbody>
</table>
DEPARTMENT OF POLITICAL SCIENCE
(CENTRE OF EXCELLENCE, GOVERNMENT OF GUJARAT)

Head of the Department: Dr Baldev Agja. Phone: (O) 02692 226840 (M) 9825378386

Faculty: Professor:1, Associate Professors: 1, 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 basis 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 courses 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”.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA</td>
<td>2 Years</td>
<td>BA Political Science</td>
<td></td>
</tr>
<tr>
<td>MPhil</td>
<td>1 Year</td>
<td>MA Political Science</td>
<td></td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>MA Political Science</td>
<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF HISTORY

Head of the Department: Professor (Dr) J M Pandya, Phone: (O) 02692 226834 (R) 02692 233962 (M) 9978341585

Faculty: Professor: 1, and Assistant Professors: 2

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 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.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Regular</td>
<td>4 semesters</td>
<td>BA History</td>
<td>---</td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA History</td>
<td>---</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>MA History</td>
<td>---</td>
</tr>
</tbody>
</table>
DEPARTMENT OF PSYCHOLOGY

Head of the Department: Dr S J Patel, Phone: (O) 02692 226882 (R) 02692 237872

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

Courses Offered: MA, MPhil, and PhD (Clinical Psychology and Organizational Behaviour)

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

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 25 PhD and 20 MPhil.

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA</td>
<td>2 Years</td>
<td>BA Psychology</td>
<td>---</td>
</tr>
<tr>
<td>MPhil</td>
<td>1 Year</td>
<td>MA Psychology</td>
<td>---</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semester</td>
<td>MA Psychology</td>
<td>---</td>
</tr>
<tr>
<td>B.Ed Special – MR</td>
<td>1 Year</td>
<td>Rehabilitation Council of India Approval</td>
<td>---</td>
</tr>
</tbody>
</table>

DEPARTMENT OF SOCIOLOGY

Head of the Department: Dr H N Patel, Phone: (O) 02692 226826 (M) 9879491164

Faculty: Professors: 3, Associate Professors: 2.

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. 2 Candidates have cleared NET. UGC has granted “The Centre for Indian Diaspora”, 3 National Seminars 2 International Seminars, 5 Refresher courses have organized by Department

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA Regular</td>
<td>4 Semesters</td>
<td>BA Sociology</td>
<td>---</td>
</tr>
<tr>
<td>MA External</td>
<td>2 Years</td>
<td>BA Sociology</td>
<td>---</td>
</tr>
<tr>
<td>MPhil</td>
<td>2 Semesters</td>
<td>MA Sociology</td>
<td>---</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semesters</td>
<td>MA Sociology</td>
<td>---</td>
</tr>
</tbody>
</table>
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: Assistant Professors: 2, Placement Officer cum field supervisor: 1, Assistant Professors: 7.


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, 3043 Dissertations. The Library is fully computerized and renders bar-coded services.

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 has a well equipped conference room, for student and faculty.

Facilities for Faculty: The Department has computer and Internet facilities.

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.
<table>
<thead>
<tr>
<th>Program</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlight</th>
</tr>
</thead>
<tbody>
<tr>
<td>Masters in Social Work (MSW)</td>
<td>4 Semesters</td>
<td>Any Graduate with 45% Marks</td>
<td></td>
</tr>
<tr>
<td>Masters of Human Resource</td>
<td>4 Semesters</td>
<td>Any Graduate with 50% Marks</td>
<td></td>
</tr>
<tr>
<td>Management</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MPhil</td>
<td>2 Semesters</td>
<td>Graduate in Social Work</td>
<td></td>
</tr>
<tr>
<td>PhD</td>
<td>Part Time and</td>
<td>Postgraduate in Social Work and Related</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Full Time</td>
<td>Discipline.</td>
<td></td>
</tr>
</tbody>
</table>
DEPARTMENT OF BUSINESS STUDIES
(A UGC- SAP Department) (DRS Phase – I 2007-2012)

Head of the Department: Prof. Dr. P. K. Rathod, M.Com., M.Phil., Ph.D., FDPM-IIM-Ahmedabad, Coordinator, UGC-SAP, Phone: (O) 02692 226872/226873 (R) 02692 261007 (M) 9879278450

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

Innovative Practices:
- Introduction of CBCS Semester System and Grading System from June, 2010
- 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
- Leadership Skill and E-Commerce (Course Paper)
- Powerpoint Presentations – M. Com., M. Phil. and Ph.D.
- Placement Cell
- Computer Lab (50 PCs)
- Computer Application to Business Paper – I (Sem II) and Paper – II (Sem – III) for practical knowledge to the students

Research Activities:
- Research Projects: Major Completed – 11; and Minor Completed – 20
- Produced: 108 Ph.D. and 278 M. Phil in the areas mainly F & A, Mgt., HRM
- Publications: 71 Books and Large No. of Papers of Faculty Members
- Awards: 2 National Levels
- Seminars Organised: 23
- Workshops Organised: 04
- Refresher Course Organised: 05 + 01 (ASC – SPU) = 06
- UGC – SAP (DRS Phase – I): First and only Department of Commerce not only in Gujarat but in the Western India for the 5 years from 01.04.2007 to 31.03.2012
- UGC grants ₹ 40/- lac for continuation of SAP DRS – I to II.

Interaction/Collaboration:


Achievements:
- Faculties Achievements:
  ➢ Dr. M. K. Patel, Ex-Professor & Head visited Hungary from 25th May to 25th June 2005 under the Indo-Hungarian Cultural Exchange Programme and has completed a project on Education Policies & 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. & 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, Suffolk University, USA and Knowledge Globalisation Institute Boston, 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 Micro finance, Financed by U.G.C. He has written a book entitled “Corporate Financial Reporting in India”.

Mr. S. P. Machhar, Assistant Professor is appointed in the Department.

- Students’ Achievements:

Programmes Offered:

<table>
<thead>
<tr>
<th>Programmes Offered</th>
<th>Duration</th>
<th>Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Com (CBCS) [Grant-in-aid and Self-Finance]</td>
<td>4 Semester</td>
<td>A candidate who has passed the Degree of Bachelor of Commerce, or the Degree of Bachelor of Business Administration of this university under 10+2+3 pattern and has passed HSC (Std XII) Examination with English as one of the subjects, or an examination recognized as equivalent thereto, will be eligible for admission to the M.Com. programme in this University.</td>
</tr>
<tr>
<td>MPhil [Grant-in-aid and Self-Finance]</td>
<td>2 Semester</td>
<td>For admission to M. Phil. the UGC Regulations 2009 and Rules and Regulations for M. Phil. Programme as on 19/12/2011 of SPU R.PG.M.Phil. 5 to 8.</td>
</tr>
<tr>
<td>PhD</td>
<td>Minimum 6 Semester</td>
<td>For admission to Ph.D. the UGC Regulations 2009 and Rules and Regulations for Ph. D. Programme as on 19/12/2011 of SPU R.PG.Ph.D. 8 to 11.</td>
</tr>
<tr>
<td>PGDHRD [Post Graduate Diploma in Human Resource Development]</td>
<td>1 Year</td>
<td>A candidate seeking admission to Postgraduate Diploma in Human Resources Development in Bachelor's degree (under 10+2+3 pattern) in any faculty of this University, or an examination recognized as equivalent thereto by this University, provided the applicant has passed in paper in the subject of English at the degree examination, or has studied through the medium of the English up to the degree level.</td>
</tr>
<tr>
<td>PGDBM [Post Graduate Diploma in Business Management]</td>
<td>1 Year</td>
<td></td>
</tr>
</tbody>
</table>
G H PATEL POSTGRADUATE DEPARTMENT OF BUSINESS MANAGEMENT
(DEPARTMENT OF MBA)

Head of the Department: Prof Rajnikant P Patel (Director), Phone: (O) 02692 248463 (M) 9825048463 Fax: 02692 248444 E-mail: ghpibn07@yahoo.co.in

Faculty: Professors: 4, Associate Professors:1, and Assistant Professors:2

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

Research Facilities: Five faculty Members are recognized as Ph.D. 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.


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: 14160, Newspapers : 06, Periodicals, and Journals - 75

Major Achievements
• The Department has produced more than 1400 trained young Executives/Managers since its inception in 1989.
• 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 business schools in Gujarat.

<table>
<thead>
<tr>
<th>Programme</th>
<th>Duration</th>
<th>Eligibility</th>
<th>Highlights</th>
</tr>
</thead>
<tbody>
<tr>
<td>MBA</td>
<td>4 Semesters</td>
<td>Any Graduate qualified through GCET</td>
<td>Emphasis on regular assessment and Feedback .</td>
</tr>
<tr>
<td>Ph.D.</td>
<td>Minimum 6 Semester (Full Time) Through Thesis work Minimum 8 Semester (Part Time)</td>
<td>MBA or Postgraduate of any related Discipline</td>
<td>Course work as per UGC requirement.</td>
</tr>
</tbody>
</table>
DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Head of the Department: Professor Dr U A Thaker, Phone Number: (O) 02692 226880 (R) 02692 246559

Faculty: Professors: 1, Assistant Professor: 1

Courses Offered: BLib and Information Science, MLlib 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 Master of 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.
• Digital Project
• Rural Community Information Need.

Facilities
• Department Library Facilities: 3000 Books and 10 Journals.
• Computer Laboratory having 33 Computers with 4 Printers
• 4 Computers
• Internet Facilities.
• Digital Technology: (A) Book Drive Pro, (B) Book eye-4
• Canon Xerox Machine - 1

Major Achievements
• 100% Students have secured suitable placements in different types of libraries.
• One faculty members is UGC expert.
• Organized two Refresher Courses.
• Co-ordinated refresher course organized by Academic Staff College
• Faculties delivered expert lectures at different Universities in Gujarat as well as out of Gujarat.
• Faculties delivered lectures as a resource persons in Refresher courses.
• Eminent Scholars of the field delivered lectures to our Students.

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Duration</th>
<th>Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLib and Information Science</td>
<td>2 Semesters</td>
<td>Degree in any Branch with English</td>
</tr>
<tr>
<td>MLlib and Information Science</td>
<td>4 Semesters</td>
<td>BLib and Information Science</td>
</tr>
<tr>
<td>MPhil in Information Science</td>
<td>2 Semester</td>
<td>MLlib and Information Science</td>
</tr>
<tr>
<td>PhD in Information Science</td>
<td>Minimum 6 Semesters</td>
<td>MLlib and Information Science</td>
</tr>
</tbody>
</table>

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DEPARTMENT OF PHARMACEUTICAL SCIENCES

Head of the Department: Dr D K Raval (I/c Head), Phone Number: (O) 02692 22684, 226886 (R) 02692 291829 (M) 9427004697

Faculty: Assistant Professor: 2

Courses Offered: Degree of Master of Pharmacy (M.Pharm) in Pharmaceutics and Quality Assurance branches

Major Activities:
1. UGC sponsored Two National Seminars and one seminar on IPR has been arranged.
2. GSBT Mission-MSME Cluster and GVFL sponsored Biopreneur camps have been arranged.
3. National Science Day Celebrations (Library Extension Activity) in collaboration with C.C.Patel Community Science Center.
4. Students are constantly motivated to participate in activities at National Level.
5. Lecture series have been arranged under UGC Teachers’ Exchange scheme.

Research Area:
1. Method Development & Validation of Pharmaceutical Formulations
2. Drug Delivery Systems
3. 25 research articles have been published and two chapters have been contributed by a faculty.

Facilities

Library: A good collection of books and Journals with large excess to e-learning resources

Laboratory: Well maintained laboratories each for Pharmaceutics and Quality Assurance along with Machine Room, air conditioned sophisticated instrument lab and First- Aid Room

Computer Lab: Well equipped with 20 terminals each having internet connection

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Duration</th>
<th>Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.Pharm</td>
<td>4 Semesters</td>
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</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Programme Name</th>
<th>Duration</th>
<th>Eligibility</th>
</tr>
</thead>
<tbody>
<tr>
<td>PG Diploma in Media Studies</td>
<td>2 Semesters (1 year)</td>
<td>Bachelor Degree in any discipline</td>
</tr>
</tbody>
</table>

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 to 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 245 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 the 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 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

<table>
<thead>
<tr>
<th>No</th>
<th>Name of Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Graduate Courses</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>BA Gujarati</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>2</td>
<td>BA Hindi</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>3</td>
<td>BA English</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>4</td>
<td>BA Sanskrit</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>5</td>
<td>BA Economics</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>6</td>
<td>BA History</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>7</td>
<td>BA Logic and Philosophy</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>8</td>
<td>BA Sociology</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>9</td>
<td>BA Psychology</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>10</td>
<td>BA Political Science</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>11</td>
<td>BA Geography</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>12</td>
<td>BA Co-operation</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>13</td>
<td>Bachelor of Social Work (BSW)</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>14</td>
<td>Bachelor of Visual Arts (BVA)</td>
<td>8 Semesters</td>
</tr>
<tr>
<td>15</td>
<td>Bachelor of Interior Design</td>
<td>8 Semesters</td>
</tr>
<tr>
<td></td>
<td><strong>Postgraduate Courses</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MA Gujarati</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>2</td>
<td>MA Hindi</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>3</td>
<td>MA English</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>4</td>
<td>MA Sanskrit</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>5</td>
<td>MA Economics</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>6</td>
<td>MA History</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>7</td>
<td>MA Political Science</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>8</td>
<td>MA Sociology</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>9</td>
<td>MA Psychology</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>10</td>
<td>BLib and Information Science</td>
<td>2 Semesters</td>
</tr>
<tr>
<td>11</td>
<td>MLib and Information Science (Part Time)</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>12</td>
<td>MLib and Information Science (Full Time)</td>
<td>2 Semesters</td>
</tr>
<tr>
<td>13</td>
<td>Master of Human Resource Management (MHRM) (Social Work)</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>14</td>
<td>Master of Social Work (MSW) (Social Work)</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>15</td>
<td>MA in Communication and Media Studies</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>16</td>
<td>Master of Public Administration (MPA)</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>17</td>
<td>MA Logic and Philosophy</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>18</td>
<td>MA Education</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>19</td>
<td>Special BEd (Psychology)</td>
<td>2 Semesters</td>
</tr>
<tr>
<td>20</td>
<td>Master of Interior Design</td>
<td>4 Semesters</td>
</tr>
<tr>
<td></td>
<td><strong>Diploma/Postgraduate Diploma Courses</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Diploma in Music and Dance</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Postgraduate Diploma in Hindi Linguistics</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Postgraduate Diploma in Functional Hindi</td>
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</tr>
<tr>
<td>No</td>
<td>Name of Course</td>
<td>Duration</td>
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<tr>
<td>----</td>
<td>---------------------------------------------------</td>
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</tr>
<tr>
<td>4</td>
<td>Postgraduate Diploma in Drama and Dramatics</td>
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<tr>
<td>5</td>
<td>Postgraduate Diploma in the Teaching of English</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Postgraduate Diploma in Translation Studies</td>
<td></td>
</tr>
</tbody>
</table>

### 2. Faculty of Business Studies

<table>
<thead>
<tr>
<th>No</th>
<th>Name of Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BCom (Adv. Accountancy and Auditing)</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>2</td>
<td>BCom (Business Management)</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>3</td>
<td>BCom (Adv. Banking)</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>4</td>
<td>BCom (Honours) (Corporate Banking)</td>
<td>8 Semesters</td>
</tr>
<tr>
<td></td>
<td><strong>Postgraduate Courses</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MCom</td>
<td>4 Semesters</td>
</tr>
</tbody>
</table>

**Diploma/Postgraduate Diploma Courses**

<table>
<thead>
<tr>
<th>No</th>
<th>Name of Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Postgraduate Diploma in Marketing Management</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Diploma in Human Resource Development</td>
<td></td>
</tr>
</tbody>
</table>

### 3. Faculty of Science

<table>
<thead>
<tr>
<th>No</th>
<th>Name of Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>BSc Mathematics</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>2</td>
<td>BSc Statistics</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>3</td>
<td>BSc Chemistry</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>4</td>
<td>BSc Physics</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>5</td>
<td>BSc Biosciences</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>6</td>
<td>BSc Industrial Chemistry</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>7</td>
<td>BSc Computer Science</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>8</td>
<td>BSc Electronics</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>9</td>
<td>BSc Materials Science</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>10</td>
<td>BSc Microbiology</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>11</td>
<td>BSc Zoology</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>12</td>
<td>BSc Botany</td>
<td>6 Semesters</td>
</tr>
<tr>
<td>13</td>
<td>BCA</td>
<td>6 Semesters</td>
</tr>
</tbody>
</table>

**Postgraduate Courses**

<table>
<thead>
<tr>
<th>No</th>
<th>Name of Course</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MSc Mathematics</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>2</td>
<td>MSc Statistics</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>3</td>
<td>MSc Microbiology</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>4</td>
<td>MSc Biochemistry</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>5</td>
<td>MSc Zoology</td>
<td>4 Semesters</td>
</tr>
<tr>
<td>6</td>
<td>MSc Biotechnology</td>
<td>4 Semesters</td>
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<td>MSc Electronics</td>
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**Diploma/Postgraduate Diploma Course**

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### 4. Faculty of Home Science

**Undergraduate Courses**

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### 5. Faculty of Education

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**7. Faculty of Medicine**

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**8. Faculty of Homeopathy**

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<td>MD (Homeopathy) Repertory</td>
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**9. Faculty of Law**

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### 10. Faculty of Pharmacy

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### 11. Faculty of Engineering

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<td>Master of Industrial Hygiene and Safety</td>
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### Research Courses

#### MPhil (Arts)

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### Doctoral Courses

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</tr>
<tr>
<td>22</td>
<td>PhD Forensic Science</td>
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</tr>
<tr>
<td></td>
<td><strong>PhD Home Science</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PhD Food and Nutrition</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PhD Food Biotechnology</td>
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</tr>
<tr>
<td>3</td>
<td>PhD Textiles and Clothing</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>PhD Business Studies</strong></td>
<td></td>
</tr>
<tr>
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<tr>
<td></td>
<td><strong>PhD Education</strong></td>
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</tr>
<tr>
<td>1</td>
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</tr>
<tr>
<td>2</td>
<td>PhD Physical Education</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>PhD Pharmaceutical Sciences</strong></td>
<td></td>
</tr>
<tr>
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<td></td>
</tr>
<tr>
<td>2</td>
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</tr>
<tr>
<td></td>
<td><strong>PhD Medicine</strong></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>PhD Anatomy</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>PhD Biochemistry (Medical)</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>PhD Pharmacology</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>PhD Physiotherapy</td>
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<td></td>
<td><strong>External Courses (Yearly System)</strong></td>
<td></td>
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<tr>
<td></td>
<td>No.</td>
<td>Course Name</td>
</tr>
<tr>
<td>1</td>
<td>1</td>
<td>MA Gujarati</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>MA Hindi</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
<td>MA English</td>
</tr>
<tr>
<td>4</td>
<td>4</td>
<td>MA Sanskrit</td>
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<tr>
<td>5</td>
<td>5</td>
<td>MA Economics</td>
</tr>
<tr>
<td>7</td>
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<td>MA Sociology</td>
</tr>
<tr>
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<td>MA History</td>
</tr>
<tr>
<td>9</td>
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<td>MCom</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>BA Gujarati</td>
</tr>
<tr>
<td>11</td>
<td>11</td>
<td>BA Hindi</td>
</tr>
</tbody>
</table>
12 BA English
13 BA Sanskrit
14 BA Economic
15 BCom

Certificate Course

<table>
<thead>
<tr>
<th>No.</th>
<th>Course Name</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>English Language Teaching</td>
</tr>
<tr>
<td>2</td>
<td>Advanced Certificate Course in Communication Skills in English</td>
</tr>
<tr>
<td>3</td>
<td>Guidance and Counselling</td>
</tr>
<tr>
<td>4</td>
<td>Junior and Senior Certificate Courses in English</td>
</tr>
<tr>
<td>5</td>
<td>School Administration</td>
</tr>
<tr>
<td>6</td>
<td>Data Entry Course</td>
</tr>
<tr>
<td>7</td>
<td>SPSS</td>
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1.2 COURSE REVISION AND ADDITIONS DURING THE YEAR 2012-13

<table>
<thead>
<tr>
<th>No</th>
<th>Name of the Department</th>
<th>New Courses Revision</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Computer Science</td>
<td>Syllabus of MCA was revised according to society and industry requirements.</td>
</tr>
<tr>
<td>2</td>
<td>Mathematics</td>
<td>Courses for Ph.D. Course work were revised during 2012-13.</td>
</tr>
<tr>
<td>4</td>
<td>Economics</td>
<td>ICT / Writing and Presentation Course Revised</td>
</tr>
<tr>
<td>5</td>
<td>Library &amp; Information Science</td>
<td>Courses are revised according to CBCS Model adopted by the University</td>
</tr>
<tr>
<td>6</td>
<td>Political Science</td>
<td>Soft Skill cum Self Studies revised syllabus in M.A. Semester I, II, III, IV.</td>
</tr>
<tr>
<td>7</td>
<td>Gujarati</td>
<td>Sem-1, 2 &amp; M.Phil. Courses have been revised during 2012-2013 and will be applied from June 2013. Following papers are included in the sem-1 syllabus: Core -1 Arvachin Gujarati kavita Core-2 Aadhunik Gujarati Sahitya Core-3 Bhartiya Sahitya Mimansa Core-4 comprehensive viva Elective -1 Madhyakalin Gujarati Sahitya Elective-2 Bhartiya Sahityani Prashisth Krutio Selfstudt-3 bhasha,sahitya ane I.C.T. Below mentioned papers are included in the sem-2 syllabus: Core-1 Arvachin Gujarati Urm Kavy, Core-2 AnuAadhunik gujarati Sahitya, Core-3 Paschatya Sahitya mimansa Core-4 comprehensive viva, Elective-1 lokvidya ane loksahitya Elective-2 Madhyakalin Granthkar:Shamal, Self study-4 life enrichment ane sidharth novel</td>
</tr>
</tbody>
</table>

8 Sanskrit M.A. First Semester Revised Self Study Course
### 1.3 NEW PAPERS BEING OFFERED FROM THE YEAR 2012-2013

<table>
<thead>
<tr>
<th>No</th>
<th>Name of the Department</th>
<th>New Paper being offered</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mathematics</td>
<td>Specialized courses were offered for Ph.D. Course work.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Course on Research Methodology was offered for Ph.D. Course work.</td>
</tr>
<tr>
<td>2</td>
<td>Economics</td>
<td>Developed a new course for Elective paper in M. A. Economics (Sem -1,2&amp;3) entitled, “Research Methodology and Computer Application in Economics”.</td>
</tr>
<tr>
<td>3</td>
<td>Gujarati</td>
<td>Course work for Ph.D. being offered.</td>
</tr>
</tbody>
</table>
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 Reforms Unit has been very active in recommending reforms needed from time to time. It regularly organizes brain storming workshops and seminars to come up with innovations and necessary steps in the examination system. It continuesly keeps eyes and day to day business of examination through come smooth conduct of exam. 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 answer scripts
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 2012-2013

Number of Days Devoted to Teaching, Admission, and Examinations at Undergraduate and
Postgraduate Level 2012-2013

<table>
<thead>
<tr>
<th>Level</th>
<th>Classes Conducted (Days)</th>
<th>Days Spent on Admission &amp; Examinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate</td>
<td>210</td>
<td>72</td>
</tr>
<tr>
<td>Undergraduate</td>
<td>210</td>
<td>60</td>
</tr>
</tbody>
</table>

The Academic calendar of colleges and University Departments in various faculties is prepared and
announced well in advance. Alternative teaching arrangements are always made of the teachers, if a
teacher is absent. 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 and even on holidays. 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 precision of clock 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 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. 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 and online. 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 2012-2013

<table>
<thead>
<tr>
<th>Students</th>
<th>No.</th>
<th>Percentage (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Postgraduate Students</td>
<td>9152</td>
<td>21.20</td>
</tr>
<tr>
<td>Undergraduate Students</td>
<td>33447</td>
<td>77.48</td>
</tr>
<tr>
<td>Diploma/Certificate Students</td>
<td>279</td>
<td>0.65</td>
</tr>
<tr>
<td>MPhil</td>
<td>157</td>
<td>0.36</td>
</tr>
<tr>
<td>PhD</td>
<td>133</td>
<td>0.31</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>43168</strong></td>
<td><strong>100.00</strong></td>
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FACULTY WISE ENROLMENTS IN THE YEAR 2012-2013

<table>
<thead>
<tr>
<th>No.</th>
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<th>Male</th>
<th>Female</th>
<th>Total</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Faculty of Arts</td>
<td>2169</td>
<td>1793</td>
<td>3962</td>
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<tr>
<td>2.</td>
<td>Faculty of Science</td>
<td>2060</td>
<td>1319</td>
<td>3379</td>
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<td>3.</td>
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<td>450</td>
<td>399</td>
<td>849</td>
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<tr>
<td>4.</td>
<td>Faculty of Engineering &amp; Technology</td>
<td>8</td>
<td>4</td>
<td>12</td>
</tr>
<tr>
<td>5.</td>
<td>Faculty of Management</td>
<td>125</td>
<td>31</td>
<td>156</td>
</tr>
<tr>
<td>6.</td>
<td>Faculty of Education</td>
<td>22</td>
<td>65</td>
<td>87</td>
</tr>
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<td>7.</td>
<td>Faculty of Home Science</td>
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<td>170</td>
<td>176</td>
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<td>8.</td>
<td>Faculty of Law</td>
<td>96</td>
<td>68</td>
<td>164</td>
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<td>9.</td>
<td>Faculty of Homoeopathy</td>
<td>22</td>
<td>35</td>
<td>57</td>
</tr>
<tr>
<td>10.</td>
<td>Faculty of Medicine</td>
<td>98</td>
<td>170</td>
<td>268</td>
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<tr>
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<td>Faculty of Pharmacy</td>
<td>23</td>
<td>19</td>
<td>42</td>
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<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>5079</strong></td>
<td><strong>4073</strong></td>
<td><strong>9152</strong></td>
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### B. Undergraduate Level

<table>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Faculty of Arts</td>
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<td>Faculty of Management</td>
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<td>5.</td>
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<td>312</td>
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<td>Faculty of Law</td>
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<td>1139</td>
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<tr>
<td>8.</td>
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<td>538</td>
<td>795</td>
</tr>
<tr>
<td>9.</td>
<td>Faculty of Medicine</td>
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<td>806</td>
<td>1213</td>
</tr>
<tr>
<td>10.</td>
<td>Faculty of Engineering &amp; Technology</td>
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<td>124</td>
<td>242</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>20808</td>
<td>12639</td>
<td>33447</td>
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</tbody>
</table>

### PG Students enrolment in university departments 2012-2013

#### Postgraduate Students enrolled in Faculty of Arts (Previous Year)

<table>
<thead>
<tr>
<th>Department</th>
<th>Open M</th>
<th>Open F</th>
<th>SC M</th>
<th>SC F</th>
<th>ST M</th>
<th>ST F</th>
<th>OBC M</th>
<th>OBC F</th>
<th>PH M</th>
<th>PH F</th>
<th>Total M</th>
<th>Total F</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gujarati Pre.</td>
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<td>17</td>
<td>4</td>
<td>11</td>
<td>4</td>
<td>6</td>
<td>4</td>
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<td>0</td>
<td>0</td>
<td>20</td>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>Hindi Pre.</td>
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<td>26</td>
<td>15</td>
<td>5</td>
<td>3</td>
<td>18</td>
<td>8</td>
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<td>1</td>
<td>0</td>
<td>37</td>
<td>60</td>
<td>97</td>
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<td>Sanskrit Pre.</td>
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<td>9</td>
<td>5</td>
<td>8</td>
<td>8</td>
<td>10</td>
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<td>0</td>
<td>0</td>
<td>34</td>
<td>23</td>
<td>57</td>
</tr>
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<td>9</td>
<td>5</td>
<td>9</td>
<td>6</td>
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<td>0</td>
<td>0</td>
<td>19</td>
<td>41</td>
<td>60</td>
</tr>
<tr>
<td>Economics Pre.</td>
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<td>15</td>
<td>7</td>
<td>8</td>
<td>8</td>
<td>2</td>
<td>5</td>
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<td>0</td>
<td>0</td>
<td>35</td>
<td>25</td>
<td>60</td>
</tr>
<tr>
<td>History Pre.</td>
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<td>7</td>
<td>4</td>
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<td>60</td>
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<td>10</td>
<td>4</td>
<td>9</td>
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<td>0</td>
<td>0</td>
<td>41</td>
<td>19</td>
<td>60</td>
</tr>
<tr>
<td>Political Sci. Pre.</td>
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<td>4</td>
<td>3</td>
<td>0</td>
<td>4</td>
<td>3</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>19</td>
<td>9</td>
<td>28</td>
</tr>
<tr>
<td>Psychology Pre.</td>
<td>7</td>
<td>13</td>
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| Sanskrit Pre.                     | 1      | 1      | 0    | 0    | 2    | 1    | 2     | 1     | 0    | 0    | 5       | 3       | 8     |
| English Pre.                      | 7      | 25     | 1    | 0    | 1    | 2    | 1     | 0     | 0    | 11   | 28      | 39      |       |
| Economics Pre.                    | 15     | 8      | 2    | 0    | 0    | 1    | 0     | 1     | 0    | 0    | 17      | 10      | 27    |
| History Pre.                      | 0      | 0      | 0    | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0       | 0     |
| Sociology Pre.                    | 12     | 20     | 6    | 3    | 3    | 8    | 1     | 3     | 0    | 0    | 22      | 34      | 56    |
| Psychology Pre.                   | 3      | 12     | 2    | 1    | 0    | 0    | 1     | 3     | 0    | 0    | 6       | 16      | 22    |
| B.lib Pre.                        | 0      | 0      | 0    | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 0       | 0       | 0     |
| M.Lib. Pre.                       | 3      | 10     | 1    | 1    | 2    | 2    | 0     | 4     | 0    | 0    | 6       | 17      | 23    |
| M.S.W. Pre.                       | 30     | 20     | 10   | 2    | 0    | 1    | 5     | 4     | 0    | 0    | 45      | 27      | 72    |
| MHRM Pre.                         | 30     | 38     | 3    | 1    | 0    | 1    | 2     | 1     | 0    | 0    | 35      | 41      | 76    |
| Media Studies Pre.                | 3      | 1      | 0    | 0    | 0    | 0    | 0     | 0     | 0    | 0    | 3       | 1       | 4     |
| Total B                           | 110    | 141    | 26   | 12   | 9    | 16   | 18    | 21    | 0    | 0    | 163     | 190     | 353   |

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Total (GIA. & SF.) | A+B | 151 | 233 | 52 | 41 | 49 | 66 | 62 | 70 | 1 | 1 | 315 | 411 | 726 |
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#### Summary

| Total (A+B) | 18 | 15 | 7 | 11 | 2 | 7 | 13 | 9 | 0 | 0 | 45 | 37 | 82 |

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### Postgraduate Students enrolled in Faculty of Home Science

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| Total C             | 0    | 0  | 0  | 0   | 0  | 0    |
| Total (A+B+C)       | 230  | 219| 14| 12 | 11 | 50  |

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75
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### Summary

| Total A Pre | 16 | 8  | 11  | 0  | 39 |
| Total B Final | 31 | 10 | 17  | 0  | 59 |
| **Total (A+B)** | 47 | 18 | 26  | 0  | 98 |

### Postgraduate Students enrolled in Faculty of Homeopathy

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76
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.

<table>
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<tr>
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<th>Course</th>
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<td>Ms Sujeeta Shrestha</td>
<td>Nepal</td>
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<td>Nepal</td>
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<td>Mr Arjun Dhakal</td>
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2.4 Faculty/Staff Information
The University has an active and committed teaching faculty. The total teaching strength in the University Departments is 158 out of which 87% are Ph.D. holders. The teacher-student ratio is around 1:25 during the year 2012-2013. 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 2012-13

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<td>230 120 38 158 72</td>
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State of Origin of Academic Staff in the year 2012-13

<table>
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<tr>
<th>State</th>
<th>No. of Teacher</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>UP &amp; Uttarakhand</td>
<td>04</td>
<td>2.53</td>
</tr>
<tr>
<td>Delhi</td>
<td>01</td>
<td>0.63</td>
</tr>
<tr>
<td>West Bengal, Orissa &amp; Assam</td>
<td>02</td>
<td>1.27</td>
</tr>
<tr>
<td>Kerala, Karnataka &amp; Tamil Nadu</td>
<td>06</td>
<td>3.80</td>
</tr>
<tr>
<td>Madhya Pradesh</td>
<td>01</td>
<td>0.63</td>
</tr>
<tr>
<td>Maharashtra &amp; Gujarat</td>
<td>132</td>
<td>83.55</td>
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<tr>
<td>Andhra Pradesh</td>
<td>10</td>
<td>6.33</td>
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<tr>
<td>Haryana</td>
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<td>Rajasthan</td>
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<tr>
<td><strong>Total</strong></td>
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Strength of Non-Teaching Staff in the University in the year 2012-13

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<tr>
<th>Type of Staff</th>
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<td>Group B</td>
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<tr>
<td>Group C</td>
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<td>Group D</td>
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<td><strong>Total</strong></td>
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### Number of SC/ST Teaching and Non-Teaching Staff in the year 2012-13

<table>
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<th>SC</th>
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<td>Teaching</td>
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<td>10</td>
<td>23</td>
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<tr>
<td>Non-Teaching</td>
<td>37</td>
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<td>55</td>
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<td><strong>Total</strong></td>
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### STAFF SUMMARY AS ON 31-03-2013

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<th>Administrative</th>
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<td>M F</td>
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<td>M F</td>
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<tr>
<td>1</td>
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<td>--- 01</td>
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<td>11 01</td>
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<td>07 ---</td>
<td>101 09</td>
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<td>02 ---</td>
<td>11 ---</td>
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<td>Physical Education &amp; Recreation</td>
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<td>04 ---</td>
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<td>01 01</td>
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<td>02 ---</td>
<td>03 ---</td>
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<td>02 ---</td>
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<td>21 05</td>
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<td>02 01</td>
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<td>06 03</td>
<td>21 05</td>
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<td>02 01</td>
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### SUMMARY AS ON 31-03-2013

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#### 2.5 NEW APPOINTMENTS MADE IN 2012-2013

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<th>Name of the Departments</th>
<th>New Appointments made</th>
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<tr>
<td>Chemistry</td>
<td>Dr. N. P. Tarpada, appointed as a Asst Professor in Industry Polymer Chemistry.</td>
</tr>
<tr>
<td>Computer Science</td>
<td>(1) Dr. Jeegar A Trivedi, (2) Ms. Raina Gaharwal. Two staff members were appointed in MCA self financed programme</td>
</tr>
<tr>
<td>Business Studies</td>
<td>Mr. S. P. Machhar – Assistant Professor</td>
</tr>
</tbody>
</table>

#### 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 CHEMISTRY**

   - M.Sc. Dissertation of Foreign Students of Mr. Hatham K.R.AL-Asharifi on “Studies on Hetrocyclization of Pyrimidones -5- Carbohydramide derivatives” by Dr. H. S. Patel

   **DEPARTMENT OF COMPUTER SCIENCE**

   More than 100 in-house as well industry projects were completed by the post graduate students of the department.
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<tr>
<th></th>
<th>Project Name</th>
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<td>1</td>
<td>Digital Channel Selector</td>
</tr>
<tr>
<td>2</td>
<td>Automatic Street light Controller</td>
</tr>
<tr>
<td>3</td>
<td>Electronic Lock</td>
</tr>
<tr>
<td>4</td>
<td>Intelligent Switch</td>
</tr>
<tr>
<td>5</td>
<td>Twilight Switch</td>
</tr>
<tr>
<td>6</td>
<td>Ultrasonic Radar</td>
</tr>
<tr>
<td>7</td>
<td>Security System</td>
</tr>
<tr>
<td>8</td>
<td>All in One alarm</td>
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<td>9</td>
<td>Water Heater Controller</td>
</tr>
<tr>
<td>10</td>
<td>IR Remote Switch</td>
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<tr>
<td>11</td>
<td>Auto Power Controller</td>
</tr>
<tr>
<td>12</td>
<td>Mains Failure alarm</td>
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<tr>
<td>13</td>
<td>Office Call Bell System</td>
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<tr>
<td>14</td>
<td>Frequency measurement on multi meter</td>
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<td>15</td>
<td>Mains wiring fault detector</td>
</tr>
<tr>
<td>16</td>
<td>IR remote control switch</td>
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<tr>
<td>17</td>
<td>Digital Code Lock</td>
</tr>
<tr>
<td>18</td>
<td>Office called bell</td>
</tr>
<tr>
<td>19</td>
<td>Heart beat monitor</td>
</tr>
<tr>
<td>20</td>
<td>Automatic control for outdoor lights</td>
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<tr>
<td>21</td>
<td>Square &amp; triangular wave generator</td>
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<td>22</td>
<td>Automatic room power controller</td>
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<td>23</td>
<td>Touch operated digital volume controller</td>
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<td>24</td>
<td>Versatile power supply</td>
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<td>25</td>
<td>Touch operated volume control</td>
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<td>26</td>
<td>Hand washing system</td>
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**II-Semester (Group Projects)**

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<td>LCD interfacing using parallel port (using C Language)</td>
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<td>Stepper Motor Controller using C Programming (Mouse Interface)</td>
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<td>Interfacing 0800 ADC on parallel Port</td>
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<td>Multiple Seven Segment Display using C language</td>
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<td>16-Relay Board Controller Via PC Parallel Port</td>
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### 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 Greenhouse effect using Microcontroller
6. Computer Network using wireless Technology

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**DEPARTMENT OF MATERIALS SCIENCE**

**M.Sc.(Materials Science)**
- Studies on development of Mesoporous Activated Carbon from sawdust of pinewood and teakwood and their characterization.
- Studies of characterization behavior of Liquid Phenolic Resin.
- Studies and development of Carbon Ceramic Composites using different reinforcement.
- Studies on Silicon Carbide (SiC) coating on substrate by Plasma Enhanced Chemical Vapour Deposition (PECVD).
- Studies of Microstructure and Oxidation Resistant Coatings on different carbon materials.
- Studies on development of SiC from banana fabric and their characterization.
- Magnesia-Carbon based Refractories.

**M.Sc.(Nano Sci.& Nano Tech.)**
- Development of Titania Nano particles using Sol-Gel method.
- Studies on development of Carbon Nanotubes on montmorillonite clay by Chemical Vapour Deposition method. Studies on synthesis and characterization of Nanosilver and Nanosilica reinforced polyvinyl alcohol composite.

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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.

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### (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. This was sixth Annual Workshop in a row.

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### (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, Department of Atomic Energy, Government of India. This is one of the 11 such Regional Libraries in Mathematics across India.
### ACADEMIC TOURS ORGANIZED IN 2012-2013

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<td>Students (36) of M.Sc. (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)</td>
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<td>History</td>
<td>Champaner and Pavagadh</td>
<td>Department organized a one Day academic tour for Study historical monuments of medieval Gujarat. Champaner is declared a world Heritage site, UNESCO. Dr. D. C. Chaudhari and Dr. Hemant Dave explained the significance of medieval architecture to the students, and its importance as a source of writing History.</td>
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<td>To visit various Libraries for observational study in February 2012.</td>
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<td>6</td>
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<td>Study tour with Social work and HR students during September 2012 for various industries, governmental and non-governmental exposures.</td>
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<tr>
<td></td>
<td></td>
<td>Rajkot and Bhavnagar</td>
<td>Rural camp with Social work and HR students during August 2012 for fieldwork, visits and research.</td>
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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 preparing 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.

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(2) Number of degree examination students registered, appeared, and passed out in 2012-2013

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(3) Number of Diploma examinations students registered, appeared, and passed out in 2012-2013

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(4) Gold Medals awarded in 2012 (55th Annual Convocation)
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**FOR YEAR 2011**

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**FOR YEAR 2012**

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**MARCH - 2009**

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**MARCH - 2010**

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<td>157. M.B.B.S.</td>
<td>Bhaikaka Gold Plated Medal</td>
<td>34 PSMC</td>
<td>Himani Vinayak Patel</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>158. M.B.B.S. (Part-II) (Surgery)</td>
<td>Swami Shri Krishnanandji (Bhadran), Gold Plated Medal</td>
<td>09 PSMC</td>
<td>Ankita Nitin Bhatt</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>159. M.B.B.S. (Part-II) (Obstetrics &amp; gynecology)</td>
<td>Swami Shri Krishnanandji (Bhadran), Gold Plated Medal</td>
<td>91 PSMC</td>
<td>Sataroopa Bibekananda Mishra</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>160. M.S. (General) (Surgery)</td>
<td>Late Shri Dhirajlal Shivshanker Raval, Gold Medal</td>
<td>01 PSMC</td>
<td>Gaurav Shalya</td>
</tr>
</tbody>
</table>
(6) **PhD degrees awarded in 2012-2013**

<table>
<thead>
<tr>
<th>No.</th>
<th>Faculty</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Arts</td>
<td>27</td>
</tr>
<tr>
<td>2.</td>
<td>Science</td>
<td>39</td>
</tr>
<tr>
<td>3.</td>
<td>Engineering &amp; Technology</td>
<td>05</td>
</tr>
<tr>
<td>4.</td>
<td>Business Studies</td>
<td>08</td>
</tr>
<tr>
<td>5.</td>
<td>Management</td>
<td>04</td>
</tr>
<tr>
<td>6.</td>
<td>Education</td>
<td>10</td>
</tr>
<tr>
<td>7.</td>
<td>Home Science</td>
<td>03</td>
</tr>
<tr>
<td>8.</td>
<td>Pharmaceutical Science</td>
<td>02</td>
</tr>
<tr>
<td>9.</td>
<td>Medicine &amp; Surgery</td>
<td>00</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>98</td>
</tr>
</tbody>
</table>

7) **55th Annual convocation 24TH January 2013.**

<table>
<thead>
<tr>
<th>No.</th>
<th>Faculty</th>
<th>In Person</th>
<th>In Absentia</th>
<th>Total</th>
<th>Faculty Wise Gold Medal</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Arts</td>
<td>2447</td>
<td>993</td>
<td>3440</td>
<td>23</td>
</tr>
<tr>
<td>2.</td>
<td>Science</td>
<td>2784</td>
<td>1248</td>
<td>4032</td>
<td>49</td>
</tr>
<tr>
<td>3.</td>
<td>Engineering &amp; Technology</td>
<td>110</td>
<td>76</td>
<td>186</td>
<td>05</td>
</tr>
<tr>
<td>4.</td>
<td>Business Studies</td>
<td>1125</td>
<td>451</td>
<td>1576</td>
<td>05</td>
</tr>
<tr>
<td>5.</td>
<td>Management</td>
<td>627</td>
<td>545</td>
<td>1172</td>
<td>04</td>
</tr>
<tr>
<td>6.</td>
<td>Law</td>
<td>111</td>
<td>140</td>
<td>251</td>
<td>03</td>
</tr>
<tr>
<td>7.</td>
<td>Education</td>
<td>775</td>
<td>227</td>
<td>1002</td>
<td>09</td>
</tr>
<tr>
<td>8.</td>
<td>Home Science</td>
<td>187</td>
<td>36</td>
<td>223</td>
<td>06</td>
</tr>
<tr>
<td>9.</td>
<td>Homoeopathy</td>
<td>79</td>
<td>43</td>
<td>122</td>
<td>---</td>
</tr>
<tr>
<td>10.</td>
<td>Pharmaceutical Science</td>
<td>10</td>
<td>41</td>
<td>51</td>
<td>03</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>8335</td>
<td>3987</td>
<td>12322</td>
<td>128</td>
</tr>
</tbody>
</table>

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

2.8 **STUDENTS ACHIEVEMENTS IN 2012-2013**

<table>
<thead>
<tr>
<th>Department Name</th>
<th>Students Achievements</th>
</tr>
</thead>
</table>
| Chemistry             | Mr. Umesh B. Tarpada, Clear NET Examination January, 2013  
Mr. Vishal B. Purohit, Clear GATE Examination March, 2013  
Mr. Pankaj Vekariya, Clear GATE Examination March, 2013 |
| Computer Science      | Mr. Janak Mistry of the Department of Computer Science (PGDCA-II) won Inter College Lawn Tennis (MEN) Tournament 2012-13.  
Ms. Niti Bhuta stood FIRST in Gujarat State in the subject “Computer Science” in the MINAXI LALIT SCIENCE AWARD – 2013  
Mr. MAYUR ARUNKUMAR MONDHE stood second in V V Nagar Center in the subject “Computer Science” in the MINAXI LALIT SCIENCE AWARD – 2013 |
| Electronics           | NET – JRF / NET – C/ --- NIMISHA NEOG  
GATE / NBMM / Any other --- PRINCE TIWARI |
| Material Science      | 2 Students cleared GATE  
1 Student Selected for CSIR Fellowship  
The research paper presented in XXVII Gujarat Science Congress by Mr. A.V.Hirani in poster form under chemical science session was awarded 2nd prize. |
**Title of the paper is “Modification in the properties of conventional castor oil based polyurethanes using novel phosphorous containing polyurethanes”. (R.H. Patel 7 A.V. Hirani)**

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>Manish Pandey</th>
<th>UGC-CSIR-NET-JRF</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Asmabanu Rajavada</td>
<td>UGC-CSIR-NET-JRF</td>
</tr>
<tr>
<td></td>
<td>Paras Singhiya</td>
<td>UGC-NET-L</td>
</tr>
<tr>
<td></td>
<td>Niraj Babariya</td>
<td>UGC-NET-L</td>
</tr>
<tr>
<td></td>
<td>Pallav Shah</td>
<td>GATE</td>
</tr>
<tr>
<td></td>
<td>Manish Pandey</td>
<td>GATE</td>
</tr>
<tr>
<td></td>
<td>Rakshit Upadhyay</td>
<td>GATE</td>
</tr>
<tr>
<td></td>
<td>Krishna Patel</td>
<td>GATE</td>
</tr>
</tbody>
</table>

| Physics              | NET Cleared by Ketan Amin during 2012 |

<table>
<thead>
<tr>
<th>Business Studies</th>
<th>Three students have cleared NET</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Imran Pathan</td>
</tr>
<tr>
<td></td>
<td>Nimesh Raval</td>
</tr>
<tr>
<td></td>
<td>Anuj Bhatia</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Library &amp; Information Science</th>
<th>Kailash Tandel SLET June-2012</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pragnesh Parekh SLET December-2012</td>
</tr>
<tr>
<td></td>
<td>Hina Patel NET December-2012</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MSW (Social Work)</th>
<th>Students of Social Work Selected in Indian Parliament Program Organized by Pune Vidyapeeth and Ministry of Youth affairs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Mr. Mehul Rabari, Alumni and Faculty cleared the NET in 2012</td>
</tr>
<tr>
<td></td>
<td>Mr. Mitra Gadhavi, stood first MIMCRI at Inter college Youth festivals organized by SPU</td>
</tr>
<tr>
<td></td>
<td>Students of MHRM stood second in Dram at Inter college youth festivals organized by SPU</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Cleared NET (1) Neha Rami (2) Pravin Sodha Parmar (3) Bhavesh Vala (4) Geeta Solanki (5) Montu Patel</td>
</tr>
</tbody>
</table>

| Sanskrit                  | Paresh Parekh – NET-2012 |

### 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.
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 the 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:

<table>
<thead>
<tr>
<th>No</th>
<th>Thrust Areas</th>
<th>Department</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Microbial Biotechnology, Plant and Animal Biotechnology, Environmental Studies, Aqua Culture Studies</td>
<td>Department of Biosciences</td>
</tr>
<tr>
<td>2</td>
<td>Polymer Science, Organic and Inorganic Chemistry, and Physical Chemistry</td>
<td>Department of Chemistry</td>
</tr>
<tr>
<td>3</td>
<td>Thin Film, Ceramics, Carbon, Nanomaterials, and Smart Materials, Conducting Polymers</td>
<td>Department of Materials Science</td>
</tr>
<tr>
<td>4</td>
<td>Condensed Matter Physics, High Energy Physics, Atomic and Molecular Physics, Theoretical Physics</td>
<td>Department of Physics</td>
</tr>
<tr>
<td>5</td>
<td>Functional Analysis and Applications, Harmonic Analysis, Relativity, Tribology, Financial Mathematics, Non-commutative Geometry , Graph Theory</td>
<td>Department of Mathematics</td>
</tr>
<tr>
<td>6</td>
<td>Design of Experiments, Inference, Reliability and Life Testing, Statistical Quality Control, Biostatistics</td>
<td>Department of Statistics</td>
</tr>
<tr>
<td>7</td>
<td>Systems Software system, Distributed computing, Knowledge-based Systems, Image Processing</td>
<td>Department of Computer Science and Technology</td>
</tr>
<tr>
<td>8</td>
<td>Semi-conducting Thin Films and Device Applications, Gas Sensors, Biosensors, Polymer Electronics</td>
<td>Department of Electronics</td>
</tr>
</tbody>
</table>
### 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.

<table>
<thead>
<tr>
<th></th>
<th>Department of Home Science</th>
<th>Department of Business Administration</th>
<th>Department of Business Studies</th>
<th>Department of English</th>
<th>Department of Gujarati</th>
<th>Department of Hindi</th>
<th>Department of Economics</th>
<th>Department of Sociology</th>
<th>Department of Political Science</th>
<th>Department of Education</th>
<th>Department of Library and Information Science</th>
<th>Department of Social Work</th>
</tr>
</thead>
</table>

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100
**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**

   ![Graph showing distribution of research projects by departments](image)

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Basic Sciences</td>
<td>28</td>
<td>18,087,260.00</td>
</tr>
<tr>
<td>2.</td>
<td>Economic Sciences</td>
<td>05</td>
<td>4,489,700.00</td>
</tr>
<tr>
<td>3.</td>
<td>Social Sciences</td>
<td>12</td>
<td>3,658,100.00</td>
</tr>
<tr>
<td>4.</td>
<td>Languages</td>
<td>04</td>
<td>40,884,00.00</td>
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</tbody>
</table>
(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 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Biosciences</td>
<td>09</td>
<td>6266600.00</td>
</tr>
<tr>
<td>2.</td>
<td>Chemistry</td>
<td>06</td>
<td>4764700.00</td>
</tr>
<tr>
<td>3.</td>
<td>Electronics</td>
<td>03</td>
<td>1658800.00</td>
</tr>
<tr>
<td>4.</td>
<td>Materials Science</td>
<td>04</td>
<td>3782000.00</td>
</tr>
<tr>
<td>5.</td>
<td>Physics</td>
<td>03</td>
<td>219360.00</td>
</tr>
<tr>
<td>6.</td>
<td>Pharmaceutical Science</td>
<td>02</td>
<td>200000.00</td>
</tr>
<tr>
<td>7.</td>
<td>Statistics</td>
<td>01</td>
<td>1195800.00</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td><strong>28</strong></td>
<td><strong>1,80,87,260.00</strong></td>
</tr>
</tbody>
</table>

Departmentwise Details of The Projects Undertaken:

DEPARTMENT OF BIOSCIENCES

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-Investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Datta Madanwar</td>
<td>Folding and stability of naturally truncated photosynthetic pigment, C-phycoerythrin from cyanobacteria Phormidium tenue</td>
<td>DST, New Delhi</td>
<td>₹ 3,60,000/- SR/SO/BB-0124/2010/B 13th August, 2012</td>
<td>3 Years August 2012 To July 2016</td>
</tr>
<tr>
<td></td>
<td>Molecular assessment of bacterial community structures of long term oil contaminated soil and screening of lipase producers for lipase production and their application in ester synthesis in organic solvents</td>
<td>UGC, New Delhi</td>
<td>₹ 13,80,000/- 42-167/2013(SR) 22nd March, 2013</td>
<td>3 Years April 2013 to March 2016</td>
</tr>
<tr>
<td>Dr. J.S.S. Mohan</td>
<td>Evaluation of Physiological Effects of Headline 20% WG in corn (Zea mays L.)</td>
<td>BASF India Pvt. Ltd.</td>
<td>₹ 1,98,000/- G/1-Bio/BASF/JSSM/2972 Date: 30/7/2012</td>
<td>April 2012 to March 2013</td>
</tr>
<tr>
<td></td>
<td>Evaluation of Physiological Effects of Headline 20% WG in groundnut (Arachis hypogaea L.)</td>
<td>BASF India Pvt. Ltd.</td>
<td>₹ 1,98,000/- G/1-Bio/BASF/JSSM/2971 Date: 30/7/2012</td>
<td>April 2012 to March 2013</td>
</tr>
<tr>
<td>Name of the Principal Investigator/Co-investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Amount of Research Grant Sanctioned with Letter No. &amp; Date</td>
<td>Duration</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-------</td>
<td>----------------</td>
<td>----------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td></td>
<td>One time grant”, UGC-BSR Faculty Fellowships</td>
<td>UGC</td>
<td>₹ 7,00,000/-www.ugc.ac.in/pdfnews/8537203_Minutes-of-the-56th-meeting-of-EC.pdf</td>
<td>One year six months</td>
</tr>
<tr>
<td>Dr. R.B. Subramanian</td>
<td>An investigation on the effect of Headline 20% WG and cabrio top 60% WG on physiology and growth of <em>Gossypium hirsutum</em> under water stress</td>
<td>BASF</td>
<td>₹ 2,42,000/-</td>
<td>One year (June, 2013 – May 2014)</td>
</tr>
<tr>
<td>Dr. Sujata Bhatt</td>
<td>An investigation of fractality of some biological system and processes</td>
<td>Sardar Patel Universit Vallabhidhasanagar</td>
<td>₹ 1,00,000/- No. G/DST Purse/ 12-13/1674 Dated 6-6-2012</td>
<td>One year, Up to 31st March 2013</td>
</tr>
<tr>
<td>Dr. T.V. Raman Rao in collaboration with Dr. Anil Nandane of Dept. of Food Processing Technology, ADIT, New Vallabh Vidyanagar, Gujarat</td>
<td>Development and optimization of edible coating formulations to improve the postharvest quality and shelf-life of underutilized short lived fresh fruits by using RSM.</td>
<td>Department of Science and Technology (SERB-MOFPI) New Delhi</td>
<td>₹ 17,12,800/- SERB/MOFPI/0020/2012 DATE 05/09/2012</td>
<td>September 2012 – August 2014</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF CHEMISTRY

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H.S.Patel</td>
<td>UGC- BSR One Time Grant</td>
<td>UGC New Delhi</td>
<td>₹ 7,00,000/- No.F. 18-1/2011(BSR), 19th Aug.,2013</td>
<td>2012-2013</td>
</tr>
<tr>
<td>Dr. N. V. Sastry</td>
<td>Nanoaggregates in Mixed Micellar Systems of Amphiphilic Copolymer and Conventional Ionic or Nonionic Surfactants – A Search for Synergistic Behaviour and Their Utility As Drug Solubilizing and Release Systems Based On Hydrogels</td>
<td>UGC, New Delhi</td>
<td>₹ 8,64,300/- F. No. 40-94/2011 (SR) dated 5th July 2011</td>
<td>Three years</td>
</tr>
<tr>
<td>Name of the Principal Investigator/ Co-investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Amount of Research Grant Sanctioned with Letter No. &amp; Date</td>
<td>Duration</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
<td>-----------------------------------------------------------------------</td>
<td>-----------------------</td>
<td>------------------------------------------------------------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| Dr. N. V. Sastry (P.C.)  
Dr. V. K. Aswal (C. C.) | Studies on Aggregation Behavior of Pyridinium based Amphiphilic Ionic Liquids in Water and in Presence of Aggregate Growth Promoters | UGC – DAE, Mumbai, UDCSR/AO.MUM/CRS-M-161/10/386 dated 31st December 2010 | ₹ 6,09,000/- | Three years |
| Dr. S. S. SONI | Development of porous functionalized metal oxides and their application in metal ion removal | UGC, New Delhi | ₹ 10,35,000/- | 1st July 2012 – 30th June 2015 |
| Dr. K. R. Surati | “Novel Coordination Compounds Derived From Pyrazolone Schiff Base and Transition Metal Ions: Design, Synthesis, Characterization and Biological Activities Investigations” | UGC Major | ₹ 8,54,800/- F. 41-296/2012 (SR) and 13/07/2012 | 01-07-2012 to 30-06-2015 |

**DEPARTMENT OF ELECTRONICS**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.(Ms)Vibha S.Vaishnav</td>
<td>Interdisciplinary Research work on Development of Gas / Vapour Sensors using the Oxide Semiconductors with possible extended study of the response of Tin Metal to Mechanical and Electrical Stimuli</td>
<td>Sardar Patel University</td>
<td>₹ 1,00,000/- (i) No : G/No. DST Purse/1213/1674 Dt. 06/06/2012 (ii) No. : G-1 / Elect / DST Purse/7518 Dt. 11/02/2013</td>
<td>1 year up to March 31, 2013</td>
</tr>
<tr>
<td>Dr.(Mrs)Shahera Patel</td>
<td>Design and Development of a Laboratory based Model of BGA Rework Station</td>
<td>SEED Grant - Sardar Patel University.</td>
<td>₹ 1,00,000/- (No.G/1-SEED GRANT/2012-13/3982 dated 10-9-2012</td>
<td>1 year</td>
</tr>
</tbody>
</table>
### DEPARTMENT OF MATERIALS SCIENCE

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof L M Manocha</td>
<td>Development of silver based Polymeric matrix Nanocomposites</td>
<td>UGC, New Delhi</td>
<td>₹ 8,58,000/-</td>
<td>2011-14</td>
</tr>
<tr>
<td></td>
<td>MoU for Scientific International Collaborations. Collaboration with Shinshu University, Japan; Argon National laboratory, Chicago, USA; and Seoul National University of Science and Technology: Korea</td>
<td>UGC, New Delhi</td>
<td>₹ 2,50,000/-per year</td>
<td>Up to 2014</td>
</tr>
<tr>
<td></td>
<td>Studies on effect of Irradiation on Physical and Mechanical properties of Densified Carbon and SiC based Composites</td>
<td>IPR-BRFST</td>
<td>₹ 19,78,000/- vide letter No. IPR/NFP/2010-11/Aug/15 dated 20/09/2010</td>
<td>2 Years</td>
</tr>
<tr>
<td>Dr (Miss) R H Patel</td>
<td>Studies on Flame Retardant Polymer Coatings based on Polyester Urethane - Epoxy Resin Systems</td>
<td>UGC, New Delhi</td>
<td>₹ 6,96,000/-</td>
<td>2011-14</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF PHYSICS

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. U.H Patel, Dr Saurabh S. Soni</td>
<td>Synthesis &amp; Single crystal X-ray Characterization of catalytically active Ionic Crystal</td>
<td>DST/PURSE/SPU</td>
<td>₹ 1,00,000/-</td>
<td>One year 2012-2013</td>
</tr>
<tr>
<td>Dr. N. K. Bhatt (P.I)/Prof. A. R. Jani (C.I.)</td>
<td>“Vibrational response and phase transition in certain non-simple metals and alloys covering wide range of densities”</td>
<td>U.G.C., New Delhi</td>
<td>₹ 9,76,800/- Sanctioned: Rs. 6,82,800/- F. No. 42-771/2013(SR) 14 March, 13</td>
<td>03 Years</td>
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**DEPARTMENT OF PHARMACUTICAL SCIENCE**

<table>
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<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Bhavna A. Patel</td>
<td>Development and Validation of Analytical methods for estimation of CVS acting drugs</td>
<td>Seed Grant</td>
<td>₹ 1,00,000/- No.G/1-Seed Grant/2012-2013/3983 10th September, 2012</td>
<td>One Year</td>
</tr>
<tr>
<td>Miss. Shraddha J. Parmar</td>
<td>Development &amp; validation of analytical methods for herbal formulations using sophisticated analytical techniques</td>
<td>Seed Grant</td>
<td>₹ 1,00,000/- No.G/1-Seed Grant/2012-2013/3984 10th September, 2012</td>
<td>One Year</td>
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**DEPARTMENT OF STATISTICS**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. M. B. Bhatt</td>
<td>Inferential Problems on non-regular (truncated parameter) family of distributions</td>
<td>UGC</td>
<td>₹ 11,95,800/- F.42-39/2013(SR) 12-03-2013</td>
<td>Three Years</td>
</tr>
</tbody>
</table>

**(B) ECONOMIC SCIENCES**

**New Research Projects Undertaken and Grants Received by the Teachers of Economic Sciences of Postgraduate Departments in 2012-13**

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Business Studies</td>
<td>02</td>
<td>₹ 95000.00</td>
</tr>
<tr>
<td>2.</td>
<td>MBA</td>
<td>02</td>
<td>₹ 3994700.00</td>
</tr>
<tr>
<td>3.</td>
<td>Economics</td>
<td>01</td>
<td>₹ 400000.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>05</td>
<td>₹ 4489700.00</td>
</tr>
</tbody>
</table>
### DEPARTMENT OF BUSINESS STUDIES

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Sandip K. Bhatt</td>
<td>Social Impact of Microfinance Institutions in Asia &amp; Latin America: A Comparative</td>
<td>Seed Grant</td>
<td>G/1-Seed Grant /2012-13/5407</td>
<td>01/11/2012 to 31/10/2013</td>
</tr>
<tr>
<td>Dr. Y M Dalvadi</td>
<td>Adoption of Technology for Accounting in Selected SME’s of Gujarat: Problem and Prospects</td>
<td>UGC</td>
<td>₹ 95000/- FNo:6-56/2010(HRP) of the UGC dated 11-2-2011</td>
<td>2 Years</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF BUSINESS ADMINISTRATION

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. R. P. Patel</td>
<td>Consumer Research in Rural Areas</td>
<td>UGC, New Delhi</td>
<td>₹ 33,00,000/- + Project Fellow F.5-2/2012(SAP-III)</td>
<td>2012-2016</td>
</tr>
<tr>
<td>Prof. Darshana R. Dave</td>
<td>Consumer Behavior and Impulse Buying for Organized Retail Stores in Gujarat</td>
<td>UGC</td>
<td>₹ 6,94,700/- F. No. 5-486/2012 (HRP), 08-08-2012</td>
<td>Two years</td>
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</table>

### DEPARTMENT OF ECONOMICS

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H.P. Trivedi, Dr. D.J. Chauhan, Dr. Sonal Bhatt</td>
<td>Human Development in Panchmahal District</td>
<td>Govt. of Gujarat</td>
<td>₹ 4,00,000/-</td>
<td>8 Month</td>
</tr>
<tr>
<td>No.</td>
<td>Departments</td>
<td>No. of projects</td>
<td>Amount</td>
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<tr>
<td>-----</td>
<td>-------------------------</td>
<td>-----------------</td>
<td>-------------</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Education</td>
<td>01</td>
<td>446500.00</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>History</td>
<td>01</td>
<td>489500.00</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>MSW (Social Work)</td>
<td>07</td>
<td>1920000.00</td>
<td></td>
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<tr>
<td>4</td>
<td>Psychology</td>
<td>02</td>
<td>00.00</td>
<td></td>
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<td>5</td>
<td>Sociology</td>
<td>01</td>
<td>802100.00</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>12</td>
<td>3658100.00</td>
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**DEPARTMENT OF EDUCATION**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Pallavi P. Patel</td>
<td>Development and Tryout of Emotional Intelligence Enhancement Programme for High School Students of Gujarat State.</td>
<td>U.G.C. New Delhi</td>
<td>₹ 4,46,500/- Vide letter F No.5-342/2012 (HRP) dated 3rd Aug. 2012</td>
<td>Two Years</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF HISTORY**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Hamant Dave</td>
<td>Gujarat before Gandhi: A genealogy of Gandhian ideology</td>
<td>UGC, New Delhi</td>
<td>₹ 4,89,500/- F.S – 701/2012 (HRP) Dated; 30/8/’12</td>
<td>Two Years</td>
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</table>

**DEPARTMENT OF MSW (SOCIAL WORK)**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Sptaiial and Regression Analysis of Determinants of Deciling Juvenile Sex Ration in Gujarat</td>
<td>Seed Grant SPU VVN,</td>
<td>₹ 1,25,000/- G/1-Seed Grant/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Name of the Principal Investigator/ Co-investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Amount of Research Grant Sanctioned with Letter No. &amp; Date</td>
<td>Duration</td>
</tr>
<tr>
<td>----------------------------------------------------</td>
<td>--------</td>
<td>----------------</td>
<td>-----------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Dr. S.N. Pathak.</td>
<td>Interdisciplinary variations in product preference in terms of product attribute rating.</td>
<td>Seed Money</td>
<td>Ref no.: G/1-Seed grant/2012-13/5416 dated: 05-06/11/2012.</td>
<td>12 months</td>
</tr>
<tr>
<td>Dr. Pankaj S Suvera.</td>
<td>Locus of control and Psychological well-being: A comparative study of Tribal and Non-Tribal College students</td>
<td>UGC</td>
<td>Letter No. F.No.6-84/2012(HRP) Date: 31st August, 2012</td>
<td>18th Month</td>
</tr>
<tr>
<td>Mrs. Nisha Sangwan</td>
<td>Parent Child Relationship and Family Environment and its relation with achievement motivation</td>
<td>SPU (Seed Grant)</td>
<td>₹ 50,000/- No.G/1-SEED GRANT/2012-2013/5406 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Ms. Punam Singh</td>
<td>To study on the relationship between total quality management and quality performance in manufacturing sector</td>
<td>SPU (Seed Grant)</td>
<td>₹ 50,000/- No.G/1-SEED GRANT/2012-2013/5405 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Mr. Mehul Rabari</td>
<td>A study of the Parents contribution in the holistic development of Mentally Challenged Children</td>
<td>SPU (Seed Grant)</td>
<td>₹ 40,000/- No.G/1-SEED GRANT/2012-2013/5425 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Dr. S. Prabhakar</td>
<td>Stress among college students in Anand</td>
<td>SPU (Seed Grant)</td>
<td>Rs 45000/- No.G/1-SEED GRANT/2012-2013/5402 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Mrs. Nisha Sangwan</td>
<td>Parent Child Relationship and Family Environment and its relation with achievement motivation</td>
<td>SPU (Seed Grant)</td>
<td>₹ 50,000/- No.G/1-SEED GRANT/2012-2013/5406 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Mr. Mehul Rabari</td>
<td>A study of the Parents contribution in the holistic development of Mentally Challenged Children</td>
<td>SPU (Seed Grant)</td>
<td>₹ 40,000/- No.G/1-SEED GRANT/2012-2013/5425 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Dr. S.N. Pathak.</td>
<td>Interdisciplinary variations in product preference in terms of product attribute rating.</td>
<td>Seed Money</td>
<td>Ref no.: G/1-Seed grant/2012-13/5416 dated: 05-06/11/2012.</td>
<td>12 months</td>
</tr>
</tbody>
</table>
### DEPARTMENT OF SOCIOLOGY

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R H Makwana</td>
<td>An impact of tribal-sub plan scheme on the tribal community: A sociological study</td>
<td>UGC</td>
<td>₹ 8,02,100/-</td>
<td>Two Yeras</td>
</tr>
</tbody>
</table>

(D) LANGUAGES

**New Research Projects Undertaken and Grants Received by the Teachers of Postgraduate Departments in Languages in 2012-13**

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>English</td>
<td>01</td>
<td>3050000.00</td>
</tr>
<tr>
<td>2.</td>
<td>Gujarati</td>
<td>03</td>
<td>1038400.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>04</td>
<td>4088400.00</td>
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</tbody>
</table>

### DEPARTMENT OF ENGLISH

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr J H Khan and members of the faculty in the Department</td>
<td>Literary Representation of Social Change in Post-1970 Novels and Plays in Gujarati, Hindi and Indian English Literatures</td>
<td>UGC New Delhi</td>
<td>₹ 30,50,000 plus Actual of ₹ 8,000 pa (increased by UGC subsequently to ₹ 14,00/- w.e.f. 1 April 2012) for a Project Fellow under SAP-DRS (Phase-2) vide letter No. F.5-102/2009 (SAP-III) dated 16 Dec 2009 (received here on 21 December 2009).</td>
<td>Five Years (2009 – 2014) 01 April 2009 to 31 March 2014</td>
</tr>
</tbody>
</table>
DEPARTMENT OF GUJARATI

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. B. R. Brahmbhatt</td>
<td>Scientific study of deterioration of Gujarati and Hindi Phonetics</td>
<td>S. P. University</td>
<td>₹ 1,00,00/- (seed grant) G/1-seedgrant/2012-13/5426</td>
<td>1 year</td>
</tr>
<tr>
<td></td>
<td>A Glossary of Agriculture in Gujarati language</td>
<td>U.G.C. new Delhi</td>
<td>₹ 8,02,400/- (no. 5-231/2012(HRP))</td>
<td>2 years</td>
</tr>
<tr>
<td>Ramesh Chaudhri</td>
<td>Gujarati Diaspora poetry in U.K. and U.S.</td>
<td>U.G.C. New Delhi</td>
<td>₹ 1,36,000/-</td>
<td>2 years</td>
</tr>
</tbody>
</table>

(2) Ongoing Research Project of Postgraduate Departments

(I) An Overview

![Diagram showing distribution of projects by department]

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Basic Science</td>
<td>42</td>
<td>151157,440.00</td>
</tr>
<tr>
<td>2</td>
<td>Economic Science</td>
<td>04</td>
<td>1553650.00</td>
</tr>
<tr>
<td>3</td>
<td>Social Science</td>
<td>09</td>
<td>2718100.00</td>
</tr>
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<td>4</td>
<td>Language</td>
<td>02</td>
<td>4047870.00</td>
</tr>
</tbody>
</table>
(II) Departmentwise Ongoing Projects Details

(A) BASIC SCIENCES

Ongoing Research Projects Undertaken and Grants Received by the Teachers of Basic Sciences of Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Biosciences</td>
<td>17</td>
<td>63713490.00</td>
</tr>
<tr>
<td>2.</td>
<td>Chemistry</td>
<td>06</td>
<td>6958955.00</td>
</tr>
<tr>
<td>3.</td>
<td>Electronics</td>
<td>02</td>
<td>1558800.00</td>
</tr>
<tr>
<td>4.</td>
<td>Home Science</td>
<td>02</td>
<td>1137200.00</td>
</tr>
<tr>
<td>5.</td>
<td>Materials Science</td>
<td>04</td>
<td>3677800.00</td>
</tr>
<tr>
<td>6.</td>
<td>Mathematics</td>
<td>04</td>
<td>3,00,000.00</td>
</tr>
<tr>
<td>7.</td>
<td>Physics</td>
<td>05</td>
<td>73911192.00</td>
</tr>
<tr>
<td>8.</td>
<td>Pharmasutical Science</td>
<td>02</td>
<td>200000.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>42</td>
<td>151,157,440.00</td>
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</table>

DEPARTMENT OF BIOSCIENCES

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>PI: Dr. Mrs. Amita R. Shah Co investigator: Prof. Datta Madamwar</td>
<td>Production of β-xylosidase and accessory hemicellulolytic enzymes for effective bioconversion of plant lignocelluloses.</td>
<td>GSBTM Gandhinagar</td>
<td>₹ 19,60,800/- GSBTM/MD/PROJEDETS/SSA/454/2010-2011</td>
<td>Three Years</td>
</tr>
<tr>
<td>Prof. Datta Madamwar</td>
<td>Metagenome analysis for metabolic pathways present in activated biomass at common effluent treatment plant (CETP)</td>
<td>DBT New Delhi</td>
<td>₹ 61,32,000/- BT/PR 1724/BCE/08/719/2008 dated 19th November, 2009</td>
<td>3 Years Six Months January 2010 to May 2012</td>
</tr>
<tr>
<td></td>
<td>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</td>
<td>DST New Delhi</td>
<td>₹ 26,95,000/- SR/SO/PS-08/09/A dated 5th July, 2011</td>
<td>3 Years Six Months August 2010 to January 2013</td>
</tr>
<tr>
<td>Prof. Datta Madamwar as Coordinator with Dr. R. B. Subramanian &amp; Dr. Haresh Keharia</td>
<td>Molecular and ‘omics’ technologies to gauge microbial communities and bioremediation of xenobiotic contaminated sites.</td>
<td>DBT New Delhi</td>
<td>₹ 3,07,73,000/- No. BT/1/CEIB/09/V/05 dated 3rd September, 2011</td>
<td>5 Years October 2010 to September 2015</td>
</tr>
<tr>
<td>Name</td>
<td>Project Description</td>
<td>Funding Agency</td>
<td>Amount</td>
<td>Duration</td>
</tr>
<tr>
<td>--------------------------</td>
<td>--------------------------------------------------------------------------------------</td>
<td>----------------</td>
<td>-------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Prof. Datta Madamwar</td>
<td>Application of periodic discontinuous batch operation to enhance treatment efficiency of dye containing waste-water</td>
<td>DBT New Delhi</td>
<td>₹ 51,02,000/- BT/PR-11070/BCE/08/693/2008 Dated 17th September, 2011</td>
<td>3 Years November 2010 to October 2013</td>
</tr>
<tr>
<td>Dr. Haresh Keharia</td>
<td>DBT under CEIB programme. Co-ordinator is Prof. Datta Madamwar.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. J.S.S. Mohan</td>
<td>Induction of systemic acquired resistance to control blight and wilt in <em>Cuminum cyminum</em> L. by using <em>Alternaria burnssii</em> and <em>Fusarium oxysporum f. sp. cumini</em> derived elicitors.</td>
<td>UGC, New Delhi, INDIA</td>
<td>₹ 9,61,800/- F.No.39-430/2010 (SR) Date: 7 January 2011</td>
<td>February 2011 – January 2014</td>
</tr>
<tr>
<td>Dr. K.C. Patel</td>
<td>Girdlan and Lipase production using Celhalomonas falanigena UMP 3 and their application</td>
<td>UGC</td>
<td>₹ 7,57,800/-</td>
<td>2011-2014</td>
</tr>
<tr>
<td></td>
<td>Production and character and a yellow antioxidant pigment from Colletotrichum SP. KCP 1</td>
<td>DBT</td>
<td>₹ 20,13,200/-</td>
<td>2011-2014</td>
</tr>
<tr>
<td>Dr. Kiran Kalia</td>
<td>Potential of marine bacterial isolates in arsenic Bioremediation</td>
<td>MoES New Delhi No Moes/11-MRDF/1/28/P/09-PCIII2010-13 dated 17/6/2010</td>
<td>₹ 21,33,090/-</td>
<td>Three years six months 2010- Dec 2013</td>
</tr>
<tr>
<td></td>
<td>Role of SNPs And its association with oral cancer in western Indian Population</td>
<td>DST, new Delhi SR/WOS-A/LS-511/2011 dated 24-5-2012</td>
<td>₹ 18,40,000/-</td>
<td>Three years 2012-2015</td>
</tr>
<tr>
<td>Dr. M. Nataraj</td>
<td>Micropropagation of <em>Hyphaene dichotoma</em> - a rare and endemic palm.</td>
<td>UGC- New Delhi</td>
<td>₹ 8,52,600/- F.39-394/2010 (SR), dated 27-12-2010</td>
<td>3 Years</td>
</tr>
<tr>
<td>Dr. R.B. Subramanian</td>
<td>Molecular and “-omics” technologies to guage microbial communities and bioremediation of xenobiotic contaminated sites and plant-microbe interaction.</td>
<td>DBT</td>
<td>₹ 307.73 lacs 102/IFD/SAN/5776/2010-2011 01-09-2010</td>
<td>Five Years (03-09-2010 to 2-08-2015)</td>
</tr>
<tr>
<td>Name of the Principal Investigator/ Co-investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Amount of Research Grant Sanctioned with Letter No. &amp; Date</td>
<td>Duration</td>
</tr>
<tr>
<td>---------------------------------------------------</td>
<td>-------</td>
<td>----------------</td>
<td>----------------------------------------------------------</td>
<td>----------</td>
</tr>
<tr>
<td>Dr. R.B. Subramanian</td>
<td>An investigation on the effect of Headline 20% WG and cabrio top 60% WG on physiology and growth of Gossypium hirsutum under water stress</td>
<td>BASF</td>
<td>₹ 2, 42,000</td>
<td>(June, 2013 – May 2014)</td>
</tr>
<tr>
<td>Dr. Sujata Bhatt</td>
<td>An investigation into the development of alternative carp feed using prebiotics, probiotics and fermentation.</td>
<td>University Grants Commission (UGC), New Delhi</td>
<td>₹ 6,69,800/-. F.No. 39-659/2010 (SR) Dated 11-01-2011</td>
<td>For three years from 01-02-2011 to 31-01-2014</td>
</tr>
<tr>
<td>Dr. Ujjaval Tridevi</td>
<td>Microbial Synthesis and Purification of Chiral Hydroxyalkanoic acid.</td>
<td>CSIR</td>
<td>₹ 17,41,300/-</td>
<td>February, 2011 to 2014</td>
</tr>
</tbody>
</table>

DEPARTMENT OF CHEMISTRY

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H. S. Patel</td>
<td>Decolorization and removal of dies from text tile industries effluents”</td>
<td>UGC, Delhi</td>
<td>₹ 8,64,300/-; F. No. 39-328/2010(SR) 27th Dec., 2010</td>
<td>Three years</td>
</tr>
<tr>
<td>Dr. M. N. Patel</td>
<td>Evolution of Metal Based Drugs as SOD Mimics and Artificial Metallonucleases</td>
<td>UGC, Delhi</td>
<td>₹ 10,67,800/-; F. No. 40-95/2011(SR) 5th July, 2011</td>
<td>Three Years</td>
</tr>
<tr>
<td>Dr. S. S. SONI</td>
<td>Influence of Micellar Morphology on Conductivity of Polymer Gel Electrolyte</td>
<td>UGC-DAE, Mumbai Centre</td>
<td>₹ 5,73,000/-</td>
<td>Three years from 31st March 2012</td>
</tr>
<tr>
<td>Dr. K. R. Surati</td>
<td>“Highly efficient Phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs: Fabrication and it’s Application</td>
<td>DST(TSG)</td>
<td>₹ 25,92,555/- DST/TSG/PT/2011/194-G &amp; 02/08/2013</td>
<td>2012-2015</td>
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</table>
### DEPARTMENT OF ELECTRONICS

<table>
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<th>Name of the Principal Investigator/Co-investigator</th>
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<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.(Ms)Vibha S.Vaishnav</td>
<td>Interdisciplinary Research work on Development of Gas/ Vapour Sensors using the Oxide Semiconductors with possible extended study of the response of Tin Metal to Mechanical and Electrical Stimuli</td>
<td>Sardar Patel University</td>
<td>₹ 1,00,000/- (i) No. G /1- Interdisciplinary /DST Purse 310 Dt. 04/04/2013 (ii) G/1- Interdisciplinary/ DST Purse program/4111</td>
<td>Extension of 06 months Up to 30/09/2013 Extension another six months upto 31-03-2014</td>
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### DEPARTMENT OF HOME SCIENCE

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<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr V H Patel</td>
<td>Development of Database for total Phenolic Compounds and total Antioxidant Capacity of Indian Foods</td>
<td>UGC, New Delhi</td>
<td>F.No.39-96/2010(SR) 24/12/2010</td>
<td>3 Years</td>
</tr>
<tr>
<td>Dr Rema Subhash</td>
<td>Immobilisation of Probiotic Micro Organisms on food matieres and their efficacy in the preparation of termented dairy products</td>
<td>DBT</td>
<td>₹ 11,37,200/- FNS/20/477/2010 DT.20/6/2011.</td>
<td>3 Years</td>
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### DEPARTMENT OF MATERIALS SCIENCE

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<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. L. M. Manocha</td>
<td>Centre of Advance Studies</td>
<td>UGC</td>
<td>₹ 106 Lakh</td>
<td>2009-2014</td>
</tr>
<tr>
<td></td>
<td>Studies on Development &amp; Characterisation of Nano-Structures incorporated carbon &amp; SiC. based Composite</td>
<td>National Fusion Programme (IPR)</td>
<td>₹ 17.44 Lakh</td>
<td>2010-2013</td>
</tr>
<tr>
<td></td>
<td>Development of Ag based polymer matrix composites</td>
<td>UGC</td>
<td>₹ 8.58 Lakh</td>
<td>2011-2014</td>
</tr>
<tr>
<td>Name of the Principal Investigator/ Co-investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Amount of Research Grant Sanctioned with Letter No. &amp; Date</td>
<td>Duration</td>
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<td>---------------------------------------------------</td>
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**DEPARTMENT OF MATHEMATICS**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.H. Hasmani</td>
<td>Applications of Newman-Penrose Formalism</td>
<td>SPU</td>
<td>₹ 1,00,000/- Letter No. G/1-Seed Grant/2011-12/5876 dated 7-12-2011</td>
<td>1 Year</td>
</tr>
<tr>
<td>P.A. Dabhi</td>
<td>Harmonic Analysis on Weighted Groups and Semigroups</td>
<td>SPU</td>
<td>₹ 1,00,000/- Letter No. G/1-Seed Grant/2011-12/5876 dated 7-12-2011</td>
<td>1 Year</td>
</tr>
<tr>
<td>H.V. Dedania / S.J. Ghevariya</td>
<td>An Investigation in to some Mathematical Aspects in Financial Derivatives</td>
<td>SPU</td>
<td>Interdisciplinary Studies</td>
<td>1 Year</td>
</tr>
<tr>
<td>J.M. Patel / S.J. Bhatt (with S.S. Bhatt, BRD School of Biosciences)</td>
<td>An Investigation of Fractality of Some Biological Systems and Processes</td>
<td>SPU</td>
<td>₹ 1,00,000/- Interdisciplinary Studies</td>
<td>1 Year</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF PHYSICS**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. P. C. Vinodkumar</td>
<td>Study of strong and weak decay processes of mesons involving heavy flavor quarks</td>
<td>UGC</td>
<td>₹ 9,00400/- F 40-457/2011(SR)</td>
<td>3yrs [1/7/11 to 31/06/14]</td>
</tr>
<tr>
<td>Prof. M. P. Deshpande</td>
<td>Raman Spectroscopy and Resistivity studies of semiconductors under pressure</td>
<td>DAE-BRNS</td>
<td>₹ 24,61,250/- Sanctioned letter No. 2010/34/39/BRNS with ATC, BRNS dated 06/01/2011</td>
<td>2010-2013</td>
</tr>
<tr>
<td>Prof. S. H. Chaki / Prof. M. P. Deshpande</td>
<td>Synthesis and characterization of Tin monosulphide thin films, nanoparticles and single crystals for optoelectronic devices</td>
<td>DAE-BRNS</td>
<td>₹ 24, 49, 000/- Sanctioned letter No. 2010/34/34/BRNS with ATC, BRNS dated 13/12/2010</td>
<td>2010-2013</td>
</tr>
<tr>
<td>Name of the Principal Investigator/Co-investigator</td>
<td>Title</td>
<td>Funding Agency</td>
<td>Amount of Research Grant Sanctioned with Letter No. &amp; Date</td>
<td>Duration</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>----------------------------------------------------------------------</td>
<td>----------------</td>
<td>----------------------------------------------------------</td>
<td>---------------------</td>
</tr>
<tr>
<td>Prof. G. K. Solanki</td>
<td>Studies on well characterized doped crystals of GeSe and SnSe for their applications in optoelectronic devices</td>
<td>U.G.C., New Delhi</td>
<td>₹ 4,95,000/- No. F. No. 39-523/2010 (SR) Date:07/01/2011</td>
<td>Three years 1\textsuperscript{st} March-2011 to 28\textsuperscript{th} February 2014</td>
</tr>
<tr>
<td>Prof. S. H. Chaki</td>
<td>Preparation and characterization of Cu\textsubscript{x}S (x= 1 to 2) in nanocrystalline thin films, nanoparticles and single crystal forms for optoelectronic devices</td>
<td>UGC, New Delhi</td>
<td>₹ 10,85,542/- F. 39-518/2010 (SR) dated 07\textsuperscript{th} January 2011</td>
<td>Three Years</td>
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**DEPARTMENT OF PHARMASUTICAL SCIENCE**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Bhavna A. Patel</td>
<td>Development and Validation of Analytical methods for estimation of CVS acting drugs</td>
<td>Seed Grant</td>
<td>₹ 1,00,000/- No.G/1-Seed Grant/2012-2013/3983 10\textsuperscript{th} September, 2012</td>
<td>One Year</td>
</tr>
<tr>
<td>Miss. Shraddha J. Parmar</td>
<td>Development &amp; validation of analytical methods for herbal formulations using sophisticated analytical techniques</td>
<td>Seed Grant</td>
<td>₹ 1,00,000/- No.G/1-Seed Grant/2012-2013/3984 10\textsuperscript{th} September, 2012</td>
<td>One Year</td>
</tr>
</tbody>
</table>

**ECONOMIC SCIENCES**

Ongoing Research Projects Undertaken and Grants Received by the Teachers of Economic Sciences Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>MBA</td>
<td>03</td>
<td>1553650.00</td>
</tr>
<tr>
<td>2.</td>
<td>Economics</td>
<td>01</td>
<td>00.00</td>
</tr>
<tr>
<td>Total</td>
<td></td>
<td>04</td>
<td>1553650.00</td>
</tr>
</tbody>
</table>

**DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)**

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Yogesh C. Joshi - Convener Dr. R.M. Rathod</td>
<td>District Human Development Report of Panchmahal District</td>
<td>Government of Gujarat</td>
<td>₹ 4,59,650</td>
<td>Commence from April 2011</td>
</tr>
<tr>
<td>Dr. Raju M. Rathod</td>
<td>Metrics Linking Marketing to Financial Performance: Comparative Study on Effectiveness of Public and Private Sectors Banks</td>
<td>UGC, New Delhi  5-382/2010(HRP) dated 23/02/2011</td>
<td>₹ 5,13,200/-</td>
<td>2 Years and 6 months Commence from 1/02/2011</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------</td>
<td>----------------------------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>Dr. Ashish C Mehta</td>
<td>Corporate Governance in Cement Industry – an indepth Study of Selected Cement Manufacturing Companies in India.</td>
<td>University Grants Commission</td>
<td>₹ 5,80,800/-,F.5-367/2010(HRP) dated 17/2/2011</td>
<td>2.5 yrs.</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF ECONOMICS

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>All Faculty members</td>
<td>Human Development in Anand District</td>
<td>UGC, New Delhi</td>
<td>CAS-I</td>
<td>2011-2016</td>
</tr>
</tbody>
</table>

(C) SOCIAL SCIENCES

**Ongoing Research Projects Undertaken and Grants Received by the Teachers of Social Sciences Postgraduate Departments in 2012-13**

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Education</td>
<td>01</td>
<td>446500.00</td>
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<tr>
<td>2.</td>
<td>Social Work (MSW)</td>
<td>08</td>
<td>2271600.00</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
<td><strong>09</strong></td>
<td><strong>2718100.00</strong></td>
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### DEPARTMENT OF EDUCATION

<table>
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<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
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</table>
## DEPARTMENT OF MSW (SOCIAL WORK)

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Sptatial and Regression Anaylsis of Determinants of Deciling Juvenile Sex Ration in Gujrat</td>
<td>Seed Grant SPU, VVNagar</td>
<td>₹ 1,25,000/- G/1-SEEDGRANT/2012</td>
<td>1 year</td>
</tr>
<tr>
<td></td>
<td>Mapping and Analysis of Good Governance practice in Gujarat : A study undertaken with reference to good governance contributes towards pro poor growth</td>
<td>University Grant Commission, New Delhi</td>
<td>₹ 2,50,000/- F.1-222/2012(HRE)</td>
<td>1 year</td>
</tr>
<tr>
<td>Dr. Mrs. Bigi Thomas</td>
<td>A Study on Gender Aspects of Human Development In Anand District [ A study on gender aspects with reference to sex-ratio, education, employment, health status, empowerment and freedom among women]</td>
<td>SPU, Gujarat under SEEDS Grant</td>
<td>₹ 1,00,000/- No.G/1-Seed Grant/2012-2013/5402 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Dr. S. Prabhakar</td>
<td>Stress among college students in Anand</td>
<td>SPU (Seed Grant)</td>
<td>₹ 45000/- No.G/1-Seed Grant/2012-2013/5402 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Mrs. Nisha Sangwan</td>
<td>Parent Child Relationship and Family Environment and its relation with achievement motivation</td>
<td>SPU (Seed Grant)</td>
<td>₹ 50,000/- No.G/1-Seed Grant/2012-2013/5406 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Ms. Punam Singh</td>
<td>To study on the relationship between total quality management and quality performance in manufacturing sector</td>
<td>SPU (Seed Grant)</td>
<td>₹ 50,000/- No.G/1-Seed Grant/2012-2013/5405 dated 6/11/2012</td>
<td>1 year</td>
</tr>
<tr>
<td>Mr. Mehul Rabari</td>
<td>A study of the Parents contribution in the holistic development of Mentally Challenged Children</td>
<td>SPU (Seed Grant)</td>
<td>₹ 40,000/- No.G/1-Seed Grant/2012-2013/5425 dated 6/11/2012</td>
<td>1 year</td>
</tr>
</tbody>
</table>
(D) LANGUAGES

Ongoing Research Projects Undertaken and Grants Received by the Teachers of Languages Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>English</td>
<td>01</td>
<td>3500000.00</td>
</tr>
<tr>
<td>2.</td>
<td>Gujarati</td>
<td>01</td>
<td>547870.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>02</td>
<td>4047870.00</td>
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DEPARTMENT OF ENGLISH

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr J H Khan Coordinator</td>
<td>Literary Representation of Social Change</td>
<td>UGC, New Delhi</td>
<td>₹ 35,00,000/- approximately; No.F.5-102/2009 (SAP-III) dated 16 December 2009 SAP-DRS (Phase-II)</td>
<td>Five Years 01 April 2009 to 31 March 2014</td>
</tr>
<tr>
<td>Dr P J Dave Deputy Coordinator (and all other teachers in the Department)</td>
<td>Literary Representation of Social Change in Post-1970 Novels and Plays in Gujarati, Hindi and Indian English Literatures</td>
<td>UGC, New Delhi</td>
<td>₹ 35,00,000/- approximately; No.F.5-102/2009 (SAP-III) dated 16 December 2009 SAP-DRS (Phase-II)</td>
<td>Five Years 01 April 2009 to 31 March 2014</td>
</tr>
</tbody>
</table>

DEPARTMENT OF GUJARATI

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Pinakini D. Pandya</td>
<td>Cross culture study of Archetypes</td>
<td>U.G.C. New Delhi</td>
<td>₹ 5,47,870/- (F.5-586/2010(SR) dated 18/5/2011)</td>
<td>2 years</td>
</tr>
</tbody>
</table>
Research Projects Completed In Postgraduate Departments

(I) AN OVERVIEW

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Basic Science</td>
<td>11</td>
<td>5983080.00</td>
</tr>
<tr>
<td>2.</td>
<td>Economics Science &amp; Social Science</td>
<td>3</td>
<td>150000.00</td>
</tr>
<tr>
<td>3.</td>
<td>Language</td>
<td>4</td>
<td>150000.00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>5983080.00</td>
</tr>
</tbody>
</table>

(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 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Biosciences</td>
<td>05</td>
<td>2118500.00</td>
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<td>2.</td>
<td>Chemistry</td>
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<td>2943580.00</td>
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<tr>
<td>3.</td>
<td>Computer Science</td>
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<td>821000.00</td>
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<tr>
<td>4.</td>
<td>Home Science</td>
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<td>100000.00</td>
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<td>5983080.00</td>
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121
### DEPARTMENT OF BIOSCIENCES

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R.B. Subramanian</td>
<td>Effect of sequential applications of Headline 20% WG and Cabrio Top 60% WG on growth and physiology of Gossypium hirsutum (Cotton)</td>
<td>BASF Mumbai</td>
<td>₹ 1, 98,000/-</td>
<td>One year</td>
<td>May, 2012</td>
</tr>
<tr>
<td>Dr. R.B. Subramanian</td>
<td>Screening and Identification of a SSR marker linked to resistance against Fusarium wilt in tomato.</td>
<td>UGC, New Delhi</td>
<td>₹ 8,63,300/- F. 37-523/2009(SR) 12-01-2010</td>
<td>Three Years (01-02-2010 to 31-03-2011)</td>
<td>2010-2013</td>
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### DEPARTMENT OF CHEMISTRY

<table>
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<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H.S.Patel</td>
<td>UGC- BSR One Time Grant</td>
<td>UGC, Delhi</td>
<td>₹ 7, 00,000/-;- No.F. 18-1/2011(BSR), 19th Aug.,2013</td>
<td>One year</td>
<td>31/03/2013</td>
</tr>
<tr>
<td>D.K.Raval</td>
<td>Preparation of Functional Materials Using Polymeric Ionic Liquids</td>
<td>SPU Seed Grant</td>
<td>₹ 1,00,000/- INR G/1-Seed Grant/2011-12/4807 dated 17-10-2011</td>
<td>1 year</td>
<td>31-03-2013</td>
</tr>
<tr>
<td>Dr. K. R. Surati</td>
<td>“Synthesis and characterization of</td>
<td>Seed grant</td>
<td>₹ 1,00,000/- No. G/I-SEED</td>
<td>17/10/2011</td>
<td>16/10/2012</td>
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</table>
phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs Application

DEPARTMENT OF COMPUTER SCIENCE

<table>
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<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
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DEPARTMENT OF HOME SCIENCE

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<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
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</thead>
<tbody>
<tr>
<td>Viraj Roghelia</td>
<td>Nutrients &amp; Pestiside Residue Level Among Organically &amp; Conventionally Grown Fruits &amp; Vegetables.</td>
<td>Seed Grant Sardar Patel University, G/1-Seed Grant/2011-12/4803 (Dated 17/10/11)</td>
<td>₹1.00,000/-</td>
<td>1 Year</td>
<td>31/1/2013</td>
</tr>
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</table>

(B) ECONOMIC SCIENCE & SOCIAL SCIENCE

Research Projects completed and Grants Received by the Teachers of Economic Sciences and Social Science of Postgraduate Departments in 2012-13

<table>
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<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
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<tbody>
<tr>
<td>1.</td>
<td>Economics</td>
<td>01</td>
<td>125000.00</td>
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<tr>
<td>2.</td>
<td>Library and Information Science</td>
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<tr>
<td>3.</td>
<td>Psychology</td>
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123
## DEPARTMENT OF ECONOMICS

<table>
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<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
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## DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

<table>
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<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Situational Analysis of Maternal Health Service with reference to Maternal Death in Rural Areas of Anand</td>
<td>SEED Grant Sardar Patel</td>
<td>Rs. 25,000/- G/1SEEDS Grant/2011-12/6878</td>
<td>1 years</td>
<td>7/11/2012</td>
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## DEPARTMENT OF PSYCHOLOGY

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<tr>
<th>Name of the Principal Investigator/ Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Letter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
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## (C) LANGUAGE

Research Projects completed and Grants Received by the Teachers of Language of Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>No. of projects</th>
<th>Amount</th>
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<tbody>
<tr>
<td>1.</td>
<td>English</td>
<td>01</td>
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<td>2.</td>
<td>Gujarati</td>
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<td>Sanskrit</td>
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### DEPARTMENT OF ENGLISH

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<th>Duration</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr P J Dave</td>
<td>Michael Ondaatje as a Postmodernist and Diasporic Writer</td>
<td>SPU</td>
<td>Seed Grant of Rs.25,000/ from Seed Money set aside by Sardar Patel University</td>
<td>01 year</td>
<td>30 March 2013</td>
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</table>

### DEPARTMENT OF GUJARATI

<table>
<thead>
<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
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<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. B.R. Brahmbhatt</td>
<td>Fatana: Swarup ane charcha</td>
<td>SPU</td>
<td>1,00,000/- Seed grant/2012</td>
<td>1 year</td>
<td>6/12</td>
</tr>
<tr>
<td>Rameshchandra Chaudhri</td>
<td>Uttar gujaratna lokgeetomathi pragat thatu lok jivan</td>
<td>SPU</td>
<td>25,000/- seed grant no-G/1-5217</td>
<td>1.5 years</td>
<td>15/12/2012</td>
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### DEPARTMENT OF SANSKRIT

<table>
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<tr>
<th>Name of the Principal Investigator/Co-investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanctioned with Latter No. &amp; Date</th>
<th>Duration</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Niranjan P. Patel</td>
<td>Nyay Parampara ma Vad-Jalp ane Vitandanu swarup-mahatta</td>
<td>Sardar Patel University Seed Money</td>
<td>---</td>
<td>One Year</td>
<td>2013</td>
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</table>
(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.

Phd Students Guided (Completed) In University Postgraduate Departments

(1) OVERVIEW

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>PhD Guided(Completed)</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Basic Sciences</td>
<td>49</td>
</tr>
<tr>
<td>2.</td>
<td>Economic Sciences</td>
<td>11</td>
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<tr>
<td>3.</td>
<td>Social Sciences</td>
<td>12</td>
</tr>
<tr>
<td>4.</td>
<td>Languages</td>
<td>10</td>
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</table>
(II) Phd PROGRAMMES OF POSTGRADUATE DEPARTMENTS

(A) BASIC SCIENCES

PhD Students Guided (Completed) by the Teachers of Basic Sciences of Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>PhD Guided (Completed)</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Bioscience</td>
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<tr>
<td>2.</td>
<td>Chemistry</td>
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<tr>
<td>3.</td>
<td>Computer Science</td>
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<tr>
<td>4.</td>
<td>Home Science</td>
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<tr>
<td>5.</td>
<td>Materials Science</td>
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<td>6.</td>
<td>Physics</td>
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DEPARTMENT OF BIOSCIENCES

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/Part Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. A.V.R.L.N. Acharaya</td>
<td>1-11-2012</td>
<td>Ms. Rupal A Vasant</td>
<td>An investigation on the alternative remedial measures to ameliorate fluoride toxicity</td>
<td>Full Time</td>
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<tr>
<td></td>
<td></td>
<td>Mrs. Hetal Movaliya</td>
<td>An investigation on the cellular and molecular mechanisms of reptilian growth and regeneration</td>
<td>Full Time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mr. Shyam D. Khandedia</td>
<td>Reptilian cell and tissue specific responses in growth and regeneration</td>
<td>Full Time</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mr. Sanjay S. Karn</td>
<td>An investigation on the effects of dietary intervention in fluoride toxicity</td>
<td>Full Time</td>
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<tr>
<td></td>
<td></td>
<td>Miss Krutika L. Bhole</td>
<td>Studies on the ACE inhibitory and antioxidant potential of seasonal fruits</td>
<td>Full Time</td>
</tr>
<tr>
<td>Dr. Amita Shah</td>
<td>25-09-2007</td>
<td>Madhuri Narra</td>
<td>Microbial production, characterization and applications of cellulases</td>
<td>Part time</td>
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<tr>
<td></td>
<td>29-09-2007</td>
<td>Sneha Trivedi</td>
<td>Microbial production of inulinases and its applications</td>
<td>Part time</td>
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<tr>
<td></td>
<td>05-03-2008</td>
<td>Kunal R. Jain</td>
<td>Exploration of novel genes for restoration of environmental sites contaminated with noxious pollutants: A metagenomic approach</td>
<td>Full time</td>
</tr>
<tr>
<td>Date</td>
<td>Name</td>
<td>Project Description</td>
<td>Status</td>
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<tr>
<td>05-03-2008</td>
<td>Tripti Raghvendra</td>
<td>Synthesis of commercially important food esters using microbial lipases in organic media</td>
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<td>11-10-2011</td>
<td>Harshvadan D. Patel</td>
<td>Microbial production of hemicellulolytic enzymes for bioconversion of plant lignocelluloses and their application</td>
<td>Full Time</td>
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<tr>
<td>12-09-2012</td>
<td>Avinash Narayan</td>
<td>Molecular analysis to access microbial diversity of ran of kachchh</td>
<td>Full Time</td>
<td></td>
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<tr>
<td></td>
<td>Dr. Datta Madamwar</td>
<td>February 22, 2013 Mr. Niraj Kumar Singh                                                                                             Cyanobacterial phycobilisomes: A study with reference to optimization, purification and structural characterization of phycocyanin and influence of environmental stress on phycobiliproteins</td>
<td>Part Time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. Haresh Keharia</td>
<td>--                                                                              Shilpa Gupte                                                                                                                    Bioremediation of Textile Dyes</td>
<td>Part Time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. J.S.S. Mohan</td>
<td>20th August 2012 Purvesh B. Bharvad                                                                                                          In vitro propagation, phytochemical analysis and antidiabetic properties of a rare medicinal herb: <em>Schweinfurthia papilionacea</em> A. Br.</td>
<td>Full Time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. K.C. Patel</td>
<td>20-08-2012 Shraddha D. Tridevi                                                                                                                   Biochemical and Molecular evaluation of Caster bean (<em>Ricinus Communis</em> L.) breeding lines against fusarium hilt</td>
<td>Full time</td>
<td></td>
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<tr>
<td></td>
<td>Dr. K.S. Rao</td>
<td>27-06-12 Pramod S                                                                                                                             Structural, histochemical and biochemical studies on xylem cell wall in <em>Leucaena leucocephala</em> (Lam.) De Wit</td>
<td>Full Time</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>29-08-13 Vinay R. Patel                                                                                                                    Seasonal variations in the cambial anatomy and xylogenesis in some tropical tree species</td>
<td>Full Time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. R.B. Subramanian</td>
<td>28/01/2013 Ms. Suchita Patel                                                                                                                  An investigation on genetics of resistance in selected Tomato cultivars against early blight caused by <em>Alternaria solani</em></td>
<td>Full Time</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>25/07/13 Mr. Bhaumik Dave                                                                                                                  Biochemical properties of native, recombinant and genetically modified cellulase from microorganisms</td>
<td>Full time</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Dr. Sujata Bhatt</td>
<td>No. E-6/Ph.D./2810 Dated 9-8-2012 Dhiraj V. Chavada                                                                                           “Biomonitoring of hygienic condition of aquaculture units and their effect on health status of cultivable prawns and fishes”</td>
<td>Full Time</td>
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</table>
DEPARTMENT OF CHEMISTRY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
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<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/Part Time</th>
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<tbody>
<tr>
<td>Dr. H. S. Patel</td>
<td>Dec-2012</td>
<td>Visha P. Modi</td>
<td>Synthesis of novel heterocyclic compounds</td>
<td>Full Time</td>
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<tr>
<td></td>
<td>Dec.-2012</td>
<td>Khyati D. Patel</td>
<td>Studies on co-ordination polymers based on novel bis –ligands</td>
<td>Full Time</td>
</tr>
<tr>
<td></td>
<td>Feb-2013</td>
<td>Paresh N. Patel</td>
<td>Synthesis of novel heterocyclic compounds based on THTPs and their biological activities</td>
<td>Full Time</td>
</tr>
<tr>
<td>Dr. D. I. Brahmbhatt</td>
<td>20-08-2012</td>
<td>Mr. Patel Chiragbhai V.</td>
<td>Synthesis and antimicrobial activity study of nitrogen containing heterocyclic substituted and heterocyclic fused coumarin derivatives</td>
<td>Full Time</td>
</tr>
<tr>
<td></td>
<td>24-09-2012</td>
<td>Mr. Bhila Varun G.</td>
<td>Studies on synthesis and antimicrobial efficiency of pyridine and pyrazole substituted/fused coumarin derivatives</td>
<td>Full Time</td>
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<td></td>
<td>04-03-2013</td>
<td>Mrs. Lad Hemali B.</td>
<td>Synthesis, characterization and antimicrobial screening of some coumarin derivatives containing modified pyridine and pyrazole moieties</td>
<td>Full Time</td>
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<tr>
<td>Dr. N. V. Sastry</td>
<td>March 2012</td>
<td>Nilesh R Vaghela</td>
<td>Surfactant like ionic liquids – synthesis and studies on surfacechemical and aggregation behavior in aqueous media</td>
<td>Full Time</td>
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<tr>
<td></td>
<td>April 2012</td>
<td>Amitkumar Thummar</td>
<td>Investigations on micropstructural features of amphiphilic copolymer – hydrocarbon surfactants and their applications as drug release and metal extraction systems</td>
<td>Full Time</td>
</tr>
<tr>
<td>Dr. M. N. Patel</td>
<td>5th April 2012</td>
<td>Promise Abhaykumar Dosi</td>
<td>Synthesis, characterization, in- vitro antimicrobial and dna interaction studies of some novel coordination compounds of copper(ii) and palladium(ii)</td>
<td>Full time</td>
</tr>
<tr>
<td>Date</td>
<td>Name of the Student</td>
<td>Title of the Thesis</td>
<td>Degree Type</td>
<td></td>
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<tr>
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<td>-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>15th December 2012</td>
<td>Bhupesh Shantilal Bhatt</td>
<td>Synthesis, characterization and evaluation of gold(iii) and ciprofloxacin based copper(ii) complexes as antibacterial, metallonucleases and cytotoxic agents</td>
<td>Full time</td>
<td></td>
</tr>
<tr>
<td>Dr. N. J. Parmar</td>
<td>08.08.2012</td>
<td>Tetrabutylammonium hydrogen sulfate mediated domino reaction: synthesis and biological studies of some pyrano-, and chromeno-fused heterocycles.</td>
<td>Full Time</td>
<td></td>
</tr>
<tr>
<td>27.11.2009</td>
<td>Bhavesh Ranchhodbhai Pansuriya</td>
<td>Synthesis of some heterocycles of biological interest via azomethine ylide and oxabutadiene intermediates. (Thesis submitted, on 29.07.2013)</td>
<td>Full Time</td>
<td></td>
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<tr>
<td>27.11.2009</td>
<td>Hitesh Ajabhai Barad</td>
<td>Efficient synthesis and biological screening of some benzodiazepinones and pyrano—fused heterocycles. (Thesis submitted, on 12.08.2013)</td>
<td>Full Time</td>
<td></td>
</tr>
<tr>
<td>Dr. K. H. Patel</td>
<td>June 2013</td>
<td>Studies in graft copolymers from renewable resources</td>
<td>Full time</td>
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**DEPARTMENT OF COMPUTER SCIENCE**

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/ Part Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. P V Virparia</td>
<td>24-08-2012</td>
<td>Mr. Himanshu Patel</td>
<td>Automatic Text Conversion of Continuous Speech for Indian Languages</td>
<td>Part Time</td>
</tr>
<tr>
<td></td>
<td>29-08-2012</td>
<td>Mr. Atul Patel</td>
<td>Development of Protocols and Algorithms to Secure Integration of Adhoc Network and Wired Network</td>
<td>Part Time</td>
</tr>
<tr>
<td>Prof. Priti Srinivas Saja</td>
<td>18- 02- 2013</td>
<td>Ms. Vishal Dahiya</td>
<td>Graphics rendering through human perception</td>
<td>Part Time</td>
</tr>
<tr>
<td>Name of the Teacher</td>
<td>Date of the Award of the Degree</td>
<td>Name of the Student</td>
<td>Title of the Thesis</td>
<td>Full Time/Part Time</td>
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<tr>
<td>DR.V.H.Patel</td>
<td>22-03-2013</td>
<td>Mr. Jiggar A Trivedi</td>
<td>Design of neuro-fuzzy advisory system using type-2 fuzzy logic</td>
<td>Full Time</td>
</tr>
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<td><strong>DEPARTMENT OF HOME SCIENCE</strong></td>
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<td>Name of the Teacher</td>
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<td>Name of the Student</td>
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<td></td>
<td>--</td>
<td>Ms. Anjali Bhatt</td>
<td>Evaluation Of Actual Antioxidant Intake Of Traditional Indian Diet With The Help Of In Vitro Gastrointestinal Model.</td>
<td>Full Time (Synopsis Submitted)</td>
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<td><strong>DEPARTMENT OF MATERIALS SCIENCE</strong></td>
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<tr>
<td>Prof. (Mrs.) S. Manocha</td>
<td>April-2012</td>
<td>Hemang I Patel</td>
<td>Studies on development of Light weight Porous Bio-Morphic Silicon Carbide Ceramic From Pine Wood</td>
<td>Full Time</td>
</tr>
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<tr>
<td>Prof. L. M. Manocha</td>
<td>--</td>
<td>Vishal S. Makadia</td>
<td>Impact of Nanomaterials on Structure and Properties of Carbon Matrix Composites</td>
<td>Full time</td>
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<tr>
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<td><strong>DEPARTMENT OF PHYSICS</strong></td>
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<tr>
<td>Prof. M. P. Deshpande</td>
<td>January 2013</td>
<td>Miss Bindiya. H. Soni</td>
<td>Preparation, characterization of ZnO and Mn doped ZnO nanostructures.</td>
<td>Full Time</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. B. Y. Thakore</td>
<td>29/05/2012</td>
<td>Mr. Shyam. Kambholja</td>
<td>Study of certain physical properties of technologically important materials using Pseudopotentials and density functional Theory</td>
<td>Full Time</td>
</tr>
</tbody>
</table>
07/07/2012  Mr. Punit. H. Suthar  Study Of Certain Physical Properties Of Some Alkaline Earth Metals, Transition Metals, Their Binary Alloys And Bulk Metallic Glasses Using Pseudopotential Theory  Part Time

Prof. G. K. Solanki  29th October, 2012  Mr. Sandip R. Unadkat  Growth and characterization of mixed germanium sulphoselenide (GeS\textsubscript{x}Se\textsubscript{1-x}) single crystals by vapour transport technique.  Part Time

(B) ECONOMICS SCIENCES

PhD Students Guided (Completed) by the Teachers of the Economic Sciences of Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>PhD Guided (Completed)</th>
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<tbody>
<tr>
<td>1.</td>
<td>Business Studies</td>
<td>07</td>
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<tr>
<td>2.</td>
<td>MBA</td>
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<tr>
<td>3.</td>
<td>Economics</td>
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<td></td>
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DEPARTMENT OF BUSINESS STUDIES

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<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/ Part Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. K. Rathod</td>
<td>---</td>
<td>Divyesh Vyas</td>
<td>An in-depth study on Financial Analysis of Glassline Vessels and its Allied Industry in India.</td>
<td>Part Time</td>
</tr>
<tr>
<td>Dr. S.K.Bhatt</td>
<td>April- 2012</td>
<td>Gaurang C. Barot</td>
<td>A Comparative Study of Selected micro-finance institutions in Gujarat.</td>
<td>Part Time</td>
</tr>
<tr>
<td></td>
<td>June- 2012</td>
<td>Gautam V. Mistry</td>
<td>The Impact of Dividend Policy on Shareholder’s Wealth of selected Major Pharmaceutical Units in India.</td>
<td>Part Time</td>
</tr>
<tr>
<td>Dr. C. K. Sonara</td>
<td>January 2013</td>
<td>Chinmayee J. Bhatt</td>
<td>An analytical study of financial performance of selected nationalized banks in India.</td>
<td>Part Time</td>
</tr>
</tbody>
</table>
Dr. P. R. Sheth | 05/10/2012 | Mrs. Tejorati Prabhu | Role of GIDC in developing Engineering and Chemical industrial units in Vadodara and Bharuch Districts | Part time

### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/Part Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. D. R. Dave</td>
<td>April 2012</td>
<td>Sujatha K.</td>
<td>A study on Availability and Acceptance of Healthcare Facilities Among the Rural Community through Social Marketing</td>
<td>Part Time</td>
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</table>

### DEPARTMENT OF ECONOMICS

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/Part Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H.P. Trivedi</td>
<td>---</td>
<td>J. R. Mehta</td>
<td>A study of expenditure of Veer Narmad South Gujarat University</td>
<td>Part Time</td>
</tr>
<tr>
<td></td>
<td>01/09/2012</td>
<td>Ms. Waheedun Nisa Sheikh</td>
<td>A Study of Export performance of Indian Agriculture in the Reform Era</td>
<td>Part Time</td>
</tr>
</tbody>
</table>

(C) **SOCIAL SCIENCES**

PhD Student Guided (Completed) by the Teachers of Social Sciences of Postgraduate Department in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>PhD Guided (Completed)</th>
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<tbody>
<tr>
<td>1.</td>
<td>Education</td>
<td>02</td>
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<tr>
<td>2.</td>
<td>History</td>
<td>01</td>
</tr>
<tr>
<td>3.</td>
<td>Library and Information Science</td>
<td>01</td>
</tr>
<tr>
<td>4.</td>
<td>Sociology</td>
<td>08</td>
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</table>
### DEPARTMENT OF EDUCATION

<table>
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<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/ Part Time</th>
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</thead>
<tbody>
<tr>
<td>Dr. Pallavi P. Patel</td>
<td>18/7/2012</td>
<td>Mr. Sandeep Lad</td>
<td>Construction and Standardization of critical Thinking Test for secondary school students of Gujarat State</td>
<td>Part Time</td>
</tr>
<tr>
<td></td>
<td>26/6/2012</td>
<td>Mr. Sak Inpirud</td>
<td>A study of attitude towards life of secondary school students in relation to their participation in Physical Education activities.</td>
<td>Part Time</td>
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### DEPARTMENT OF HISTORY

<table>
<thead>
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<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/ Part Time</th>
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<tbody>
<tr>
<td>Prof. Jigish M. Pandya</td>
<td>22/08/2012</td>
<td>Bhavna R. Prajapati</td>
<td>Anand Nagarpalika no Etihasil Abhyas” (1947 to 1997)</td>
<td>Full Time</td>
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### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/ Part Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. U. A. Thaker</td>
<td>2012-13</td>
<td>Ms. Bhartiben Solanki</td>
<td>Collection Development in Agriculture University Libraries in Gujarat.</td>
<td>Part Time</td>
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### DEPARTMENT OF SOCIOLOGY

<table>
<thead>
<tr>
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<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/ Part Time</th>
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<tbody>
<tr>
<td>Dr. J.M. Trivedi</td>
<td>24-01-2013</td>
<td>Anil Nakum</td>
<td>A sociological study of tribal widows</td>
<td>Part Time</td>
</tr>
<tr>
<td></td>
<td>24-01-2013</td>
<td>Nikunj Patel</td>
<td>A sociological study of victims of post-godhra riots</td>
<td>Part Time</td>
</tr>
<tr>
<td></td>
<td>24-01-2013</td>
<td>Barad Hamir L</td>
<td>A sociological study of formers living in madi-vasava</td>
<td>Part Time</td>
</tr>
<tr>
<td>Dr. R.M. Makwana</td>
<td>May-12</td>
<td>Babubhai Kathiya</td>
<td>A sociological study of Maachhi community with special reference to Kachchh</td>
<td>Part Time</td>
</tr>
<tr>
<td>Dr. I.M. Macwan</td>
<td>2013</td>
<td>Sonal n rana</td>
<td>Feale feticides – a sociological study</td>
<td>Part Time</td>
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</table>
2012 Dharmendra n soneri The elite class in SC of Gujarat – a sociological study Part Time
2012 Nilesh shah Domestic violence & legal dimension Full Time
2013 Hitesh vala Role of tribal women sarpanch in panchayat- a sociological study Full Time

(D) LANGUAGES
PhD Student Guided (Completed) by the Teachers of Language of Postgraduate Department in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>PhD Guided (Completed)</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>English</td>
<td>01</td>
</tr>
<tr>
<td>2.</td>
<td>Gujarati</td>
<td>02</td>
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<tr>
<td>3.</td>
<td>Hindi</td>
<td>05</td>
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<tr>
<td>4.</td>
<td>Sanskrit</td>
<td>02</td>
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<td>Total</td>
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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 R K Mandalia    | 30 March 2013                  | Mr Vishwas A Joshi  | The Image of India in the Works of Gita Mehta | 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.P.D.Pandya      | 2/10/2012                      | ShivSankar Joshi    | Saman Motif Dhraavta Gujarati Natko: Ek Abhyas | Part Time
Dr.P.R.Pathak      | 4/1/2013                       | Kirit Patel         | Ramkatha Aadharit Arvachin Natya-Sahitya       | Part Time

DEPARTMENT OF HINDI

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.K. Chauhan   | 16-01-2013                     | Rekha Sharma        | Vishnu Virat Ke Prabandh Kavya : Vividh Ayam   | Full Time
<table>
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<tr>
<th>Name of the Teacher</th>
<th>Date of The Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Thesis</th>
<th>Full Time/Part Time</th>
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<tr>
<td>Prof. Dr. Niranjan P. Patel</td>
<td>2012</td>
<td>Khushbu Pancholi</td>
<td>Dharmaraj Adhvarendu Pranit Vedant Paribhasha: Ek Adhyayan</td>
<td>Part Time</td>
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<tr>
<td></td>
<td>2013</td>
<td>Divya D. Patel</td>
<td>Chitsukhacharya Pranit Tatva Pradipika nu Vivechanatmak Adhyayan: Dwitiy Parichched na Sandarbhama</td>
<td>Part Time</td>
</tr>
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</table>

(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

<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>PhD Students (Pursuing)</th>
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<tbody>
<tr>
<td>1.</td>
<td>Biosciences</td>
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<td>Chemistry</td>
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<td>Computer Science</td>
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<td>4.</td>
<td>Electronics</td>
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<td>5.</td>
<td>Home Science</td>
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<td>6.</td>
<td>Material Science</td>
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<td>7.</td>
<td>Mathematics</td>
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<td>Physics</td>
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(B) ECONOMIC SCIENCES

PhD Students Working Under the Teachers of the Department at Present

<table>
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<th>No.</th>
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<td>Business Administration (MBA)</td>
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(C) SOCIAL SCIENCES

PhD Students Working Under the Teachers of the Department at Present

<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>PhD Students (Pursuing)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Education</td>
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<td>2.</td>
<td>History</td>
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<td>3.</td>
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<td>5.</td>
<td>Political Science</td>
<td>07</td>
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<tr>
<td>6.</td>
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<td><strong>Total</strong></td>
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(D) LANGUAGES

PhD Students Working Under the Teachers of the Department at Present

<table>
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<th>No.</th>
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<th>PhD Students (Pursuing)</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
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<td>2.</td>
<td>Gujarati</td>
<td>28</td>
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<tr>
<td>3.</td>
<td>Hindi</td>
<td>25</td>
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<tr>
<td>4.</td>
<td>Sanskrit</td>
<td>06</td>
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<td><strong>Total</strong></td>
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</table>
(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 Comission, 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

![M.Phil Guided (Completed)](image)

<table>
<thead>
<tr>
<th>No.</th>
<th>Departments</th>
<th>MPhil Guided</th>
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<tbody>
<tr>
<td>1.</td>
<td>Basic Sciences</td>
<td>32</td>
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<tr>
<td>2.</td>
<td>Economic Sciences</td>
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<tr>
<td>3.</td>
<td>Social Sciences</td>
<td>32</td>
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<tr>
<td>4.</td>
<td>Languages</td>
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138
(II) MPhil Programme in the University Departments

(A) BASIC SCIENCES

MPhil Students Guided by the Teachers of Basic Sciences of Postgraduate Departments in 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>MPhil Guided</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Biosciences</td>
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</tr>
<tr>
<td>2.</td>
<td>Home Science</td>
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<tr>
<td>3.</td>
<td>Mathematics</td>
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<td>Physics</td>
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DEPARTMENT OF BIOSCIENCES

<table>
<thead>
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<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Dissertation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Amita Shah</td>
<td>--</td>
<td>Gayatri Yadav</td>
<td>Pretreatment and enzymatic saccharification of cotton stalk</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>Himanshu Mali</td>
<td>Production of mananase by <em>Aspergillus</em> sp. ADH-11 and its characterization</td>
</tr>
<tr>
<td></td>
<td>--</td>
<td>Sampada Deshpande</td>
<td>Enzymatic saccharification of alkali pretreated maize stover by microbial cellulases and xylanases</td>
</tr>
<tr>
<td>Dr. Datta Madamwar</td>
<td>30th April 2013</td>
<td>Ms. Anjana Suppahia</td>
<td>Molecular assessment of bacterial community structure from polluted marine ecosystem</td>
</tr>
<tr>
<td></td>
<td>30th April 2013</td>
<td>Ms. Ankita Raj</td>
<td>Decolourization and biodegradation of wastewater from CETP, Vatva using bacterial consortium ZS2A and floating macrophyte <em>Azolla pinnata</em></td>
</tr>
<tr>
<td></td>
<td>30th April 2013</td>
<td>Ms. Anushka Sharma</td>
<td>Bioremediation of wastewater containing azo dyes through sequential anoxic-oxic bioreactor syste,</td>
</tr>
<tr>
<td></td>
<td>30th April 2013</td>
<td>Ms. Archana Tripathi</td>
<td>Microbial community structure analysis of long term polluted Amlakhadi canal, Ankleshwar, Gujarat</td>
</tr>
<tr>
<td></td>
<td>30th April 2013</td>
<td>Ms. Ekta Patel</td>
<td>Purification and characterization of phycoerythrin and phycocyanin from cyanobacterium <em>Lynybya A09DM,</em></td>
</tr>
<tr>
<td></td>
<td>30th April 2013</td>
<td>Mr. Jay Modi</td>
<td>Microbial community structure analysis of saline desert: A Rann of Kuchchh</td>
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</table>
## DEPARTMENT OF HOME SCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Dissertation</th>
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<tr>
<td>DR.V.H.Patel</td>
<td>--</td>
<td>Amin Ishita</td>
<td>Development of Protein &amp; Fiber Rich Chocolate Bar.</td>
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<td>Bhatt Jinal</td>
<td>Total Antioxidant Capacity of Commonly Consumed Legumos &amp; Pulses In India.</td>
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<td>Trivedi Ishita</td>
<td>Antigycation &amp; Antioxidant Properties of Selected Vegetables.</td>
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<td>Gandhi Henisha</td>
<td>Antigycation &amp; Antioxidant Properties of Selected Herbs.</td>
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<td>Parikh Swara</td>
<td>Antimicrobial &amp; Antioxidant Properties of Raw Honey Collected From Different Regions of Kutch District.</td>
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<td>Dadhaniya Chandani</td>
<td>Antihypertensive Antidiabetic &amp; Antioxidant Effect of Horsegram (Macrortyloma Uniflourm) Protien.</td>
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<td>Patel Dhvani</td>
<td>Antihypertensive Antidiabetic &amp; Antioxidant Effect of Pearl Millet (Pennisetum Glaucum) Protein.</td>
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## DEPARTMENT OF MATHEMATICS

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<th>Date of the Award of the Degree</th>
<th>Name of the Student</th>
<th>Title of the Dissertation</th>
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<tr>
<td>H.S. Mehta</td>
<td>2012</td>
<td>Mittal D. Patel</td>
<td>Some inequalities</td>
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<td></td>
<td>2012, June</td>
<td>Mihir S. Suthar</td>
<td>Bounds of the Spectral radius for graphs</td>
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<td>H.V. Dedania</td>
<td>2012</td>
<td>Disha N. Pandya</td>
<td>Conditional Expectation, Stochastic Process, and Stochastic Calculus</td>
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<td>2012</td>
<td>Asmabanu H. Rajavada</td>
<td>The Beurling Algebra $L^1(G, \omega)$</td>
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<td>G.B. Deheri</td>
<td>2012</td>
<td>Rachna U Patel</td>
<td>Magnetic Fluid Lubrication of Short Bearing Systems</td>
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<td>Mittal K. Patel</td>
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<td>A.B. Patel</td>
<td>2012</td>
<td>Krunal Kachchia</td>
<td>Matrix Operators and Weighted Sequence Spaces</td>
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<tr>
<td>A.B. Patel</td>
<td>2012</td>
<td>Arti Chudasama</td>
<td>2-Norm Spaces and 2-Inner Product Spaces</td>
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<td>R.D. Mehta</td>
<td>2012</td>
<td>Ruchi Soni</td>
<td>External Direct Products of Groups</td>
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### DEPARTMENT OF PHYSICS

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<tr>
<td>Prof. V. M. Pathak</td>
<td>December, 2012</td>
<td>Ms. Sandhya P. Shukla</td>
<td>Investigations of MoSe2 / Polypyrrole heterostructure solar cells.</td>
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(B) ECONOMICS SCIENCES

M Phil Students Guided by the Teachers of Economics Sciences of Postgraduate Departments in 2012-13

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### DEPARTMENT OF BUSINESS STUDIES

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<tbody>
<tr>
<td>Dr. P. K. Rathod</td>
<td>30/08/2012</td>
<td>Pratik I. Prajapati</td>
<td>Profitability Analysis of Selected Engineering Units Located in GIDC, Vithal Udyognagar, Gujarat</td>
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<tr>
<td></td>
<td>30/08/2012</td>
<td>Mansi R. Rana</td>
<td>An Analysis of Dividend Policy of Selected Pharmaceutical Companies in India</td>
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<tr>
<td></td>
<td>30/08/2012</td>
<td>Hina N. Pateliya</td>
<td>An Analysis of Capital Structure of Selected Engineering Companies in Vithal Udyognagar</td>
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<td></td>
<td>30/08/2012</td>
<td>Gayatri U. Patel</td>
<td>A Comparative Study on Profitability Analysis of Hindustan Petroleum Corporation Limited and Oil and Natural Gas Corporation Limited</td>
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<td>Date</td>
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<td>30/08/2012</td>
<td>Sadhana Bhanderi</td>
<td>A Comparative Study on Corporate Governance Disclosure Practices in State Bank of India and Bank of India</td>
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<tr>
<td>30/08/2012</td>
<td>Jalpa S. Shah</td>
<td>“An Investors Protection in India: A Study of Contemporary Cases”</td>
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<td>30/08/2012</td>
<td>Mehul R. Patel</td>
<td>“Corporate Governance Reporting Practices of Selected Electronics Companies in India – A Comparative Study”</td>
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<td>30/08/2012</td>
<td>Panna U. Chauhan</td>
<td>“A Comparative Study of the Financial Performance of Selected Pharmaceutical Companies in India”</td>
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<tr>
<td>30/08/2012</td>
<td>Samirodin M. Kazi</td>
<td>“A Study on Role of Asian Development Bank (ADB) in International Financial Management.”</td>
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**Dr. C. K. Sonara**

<table>
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<tr>
<th>Date</th>
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<tbody>
<tr>
<td>30/08/2012</td>
<td>Brijesh H Valand</td>
<td>A Comparative Study Of The Financial Performance Of Tvs Motor Company Limited And Bajaj Auto Company Limited.</td>
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<tr>
<td>30/08/2012</td>
<td>Sangita Sharma</td>
<td>An Empirical Study Of The Financial Performance Of Amul Dairy And Panchamrut Dairy.</td>
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<tr>
<td>30/08/2012</td>
<td>Pritesh Panchal</td>
<td>A Probe Study Of Working Capital Management Of The Rolcon Enginnering Company V.V.Nagar.</td>
</tr>
<tr>
<td>30/08/2012</td>
<td>Minal Patel</td>
<td>An Analytical Study Of Financial Performance Of Sugam Dairy, Baroda And Sumul Dairy, Surat.</td>
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**Dr. P. R. Sheth**

<table>
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<td>30/08/2012</td>
<td>Dharti M. Chauhan</td>
<td>In Depth Study of Capital Structure of Selected Cement Companies</td>
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<td>30/08/2012</td>
<td>Jaydutt G. Purohit</td>
<td>Financial Performance of Selected Retail Entertainment Companies</td>
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<td>30/08/2012</td>
<td>Mittal R. Dave</td>
<td>Financial Analysis of Selected Private Sector Insurance Companies</td>
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<tr>
<td>30/08/2012</td>
<td>Ritesh V. Patel</td>
<td>E- Recruitment: the Effectiveness of Internet as a Source for Job Seeker ( Graduate and Post Graduate Level of Students and Educational Institutes Employees) in Anand District</td>
</tr>
<tr>
<td>Date</td>
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<td>Name of the Student</td>
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<tr>
<td>30/08/2012</td>
<td>Sunil B. Trivedi</td>
<td>Segment Reporting Practices of Selected FMCG Companies in India – A Comparative Study</td>
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<td>30/08/2012</td>
<td>Himanshu J Patel</td>
<td>Long Term Performance of Initial Public Offering: A Study of Selected Companies’ IPO</td>
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<td>30/08/2012</td>
<td>Krinjal Shah</td>
<td>Role of SEBI in Investors’ Protection: a Study of Selected Teachers and Students Perception</td>
</tr>
<tr>
<td>30/08/2012</td>
<td>Neha H Shah</td>
<td>Non-performing Assets Management of Selected co-Operative Banks of Gujarat</td>
</tr>
<tr>
<td>30/08/2012</td>
<td>Roshni Patel</td>
<td>Measurement of Financial Health Using Z-Score: a Study of Selected Companies in India</td>
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<tr>
<td>30/08/2012</td>
<td>Usha Luhana</td>
<td>An Analytical Study of Impact of Foreign Institutional Investment on Stock Market Index</td>
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**DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)**

<table>
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<th>Title of the Dissertation</th>
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<tr>
<td>Dr.R.M. Rathod</td>
<td>April – 2012</td>
<td>Nidhi Patel</td>
<td>A Study on Balance Score Card Experience of Some Selected Companies.</td>
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<td>Mukesh Tagariya</td>
<td>A Study on Financial Performance of Some Selected Public Sector Unit</td>
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<td>April – 2012</td>
<td>Archana Patel</td>
<td>Consumer Behavior Study with Reference to Rural Selected Areas</td>
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<td>Ritesh Chaudhari</td>
<td>A comparative Study on Financial Performance of SBU’s of Tata Group</td>
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**DEPARTMENT OF ECONOMICS**

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<tr>
<td>N.M. Patel</td>
<td>16/6/2012</td>
<td>Mahida Hemintalbhai Manubhai</td>
<td>An awareness of beneficiaries for selected developing programs of rural development in present time: A study with reference of Bhetasy village</td>
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(C) SOCIAL SCIENCES

M Phil Students Guided by the Teachers of Social Sciences of Postgraduate Departments in 2012-13

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DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

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<td>Prof. U. A. Thaker</td>
<td>2012-13</td>
<td>Hetal Patel</td>
<td>Use of e-Resources among Parul Institute</td>
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<td>2012-13</td>
<td>Nisha Maharaj</td>
<td>Networking of College Libraries affiliated to SKV Kutch University</td>
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<td>Rajiv Patel</td>
<td>Subject Gateway for ISTAR Students</td>
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<td>Vatsal Tandel</td>
<td>Digital Repository Management of Plasma Research Library</td>
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<td>Vaishali Chauhan</td>
<td>Use of e-Resources at CHRUSET, Changa</td>
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### DEPARTMENT OF MSW (SOCIAL WORK)

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<td>Dr. S.D. Mishra</td>
<td>28th March, 2013</td>
<td>Jeet S. Shah</td>
<td>Marital Adjustment Among Working Couple (A Study of 200 couples of residing at Anand City)</td>
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<td>28th March, 2013</td>
<td>Madhav A Hathi</td>
<td>A Study on Parent Child Relationship with reference to Academic Performance</td>
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<td>28th March, 2013</td>
<td>Narendra Vasava</td>
<td>Youth Involvement in Sustainable Development (A study undertaken among 200 youth from 50 educational and social institution)</td>
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<td>28th March 2013</td>
<td>Priya Sinoj</td>
<td>Status of Maternal Health Services in Anand District</td>
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<td>Dr. Mrs. Bigi Thomas</td>
<td>28th March 2013</td>
<td>Riddhi Trambadiya</td>
<td>Perception of Alumini Towards Development of Department of Social Work</td>
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<td>28th March 2013</td>
<td>Mr. Margit Patel</td>
<td>A Study on the Socio-Economic Difficulties Faced by the Mothers of Specially Abled Persons</td>
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### DEPARTMENT OF POLITICAL SCIENCE

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<td>Prof. Baldev Agja</td>
<td>24/06/2013</td>
<td>Patel Divyaben Dilipkumar</td>
<td>Contribution of Mahila Sarpanchs in Panchayati Raj in context of Mahemdavad Taluka</td>
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<td>17/06/2013</td>
<td>Chavda Chandrika Jashbhai</td>
<td>Women Empowerment in Panchayatiraj (In Context of Anand District)</td>
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<td>17/06/2013</td>
<td>Makwana Bharatkumar Premjibhai</td>
<td>Political Contribution of Shri Dinsha Patel in the Political Development of Gujarat</td>
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<td>17/06/2013</td>
<td>Gohil Daxa Rasiklal</td>
<td>Political Awareness of OBC Caste in Jamnagar District: A Study</td>
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<td>Bhuriya Ushaben Virsingbhai</td>
<td>Participation of Adivasi Women Sarpanchs (In Context of Zalod Taluka)</td>
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### DEPARTMENT OF PSYCHOLOGY

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<td>Prof. S.J.Patel</td>
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<td>Rinku K. Marvadi.</td>
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<td>Prof. L.R.Yagnik</td>
<td>June 2012-13</td>
<td>Hiral Y. Suthar.</td>
<td>A Study Of Self-Concept, Adjustment And Academic Achivement of Std-10&lt;sup&gt;th&lt;/sup&gt; And Std-12&lt;sup&gt;th&lt;/sup&gt; Students.</td>
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<td></td>
<td>June 2012-13</td>
<td>Nikita S. Sonara.</td>
<td>A Study of Emotional Maturity And Religiousness Among Students.</td>
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<td>Dr. S.N.Pathak</td>
<td>June 2012-13</td>
<td>Ankur N. Mahida.</td>
<td>A Study of Correlation Between Happiness And Indian Personality Dimensions.</td>
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<td>Bhagvati J. Tadvi.</td>
<td>त्रान्सजैविकता एवं आरोग्य पर उद्योग क्षेत्र में ज्ञान एवं संतोष का अध्ययन.</td>
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<tr>
<td>Dr. S.M.Makvana</td>
<td>June 2012-13</td>
<td>Alpesh B. Kotar.</td>
<td>A Comparative Study of Psychological Well Being And Exam Anxiety Among Rural And Urban College Students.</td>
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<td>Pratik R. Prajapati.</td>
<td>A Comparative Study Of Depression And Sexual Satisfaction Among Employees of Panchmahal And Anand Districts.</td>
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### DEPARTMENT OF SOCIOLOGY

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<td>Dr. J.M. Trivedi</td>
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<td>Varsh Purohit</td>
<td>A sociological study of unmarried muslim girls</td>
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<td>24-01-2013</td>
<td>Ramesh Parmar</td>
<td>Impact of watershed scheme in Gujarat</td>
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<td>24-01-2013</td>
<td>Ishawar Sutaria</td>
<td>Sociological study of beneficiaries of family planning programme in Bhavnagar</td>
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<tr>
<td>Dr. P.M. Pamar</td>
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<td>Jitendrakumar B Chauhan</td>
<td>A sociological study of ST yoth working in Kakarpur Nuclear plant</td>
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<td></td>
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<td>Ganeshbhai D Chaudhari</td>
<td>A sociological study of the ST relation with forest</td>
</tr>
<tr>
<td>Dr. I.M. Macwan</td>
<td>2012</td>
<td>Manjri M Nayak</td>
<td>Modernization of tribal women</td>
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(D) LANGUAGES

M Phil Students Guided by the Teachers of Postgraduate Departments of Languages in 2012-13

<table>
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<tr>
<td>Dr J H Khan</td>
<td>23 August 2012</td>
<td>Mr Utpal Ketankumar Ganatra</td>
<td>English as an Instrument for Employment (With Specific Reference to Some Software Companies in Gujarat)</td>
</tr>
<tr>
<td>Dr P J Dave</td>
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<td>Ms Anuja Atul Macwan</td>
<td>Summit Entertainment’s <em>Twilight</em> and Stephen Meyer’s <em>Twilight</em> – A Comparative Study</td>
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<tr>
<td></td>
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<td>Ms Bhavna Govindbhai Pandey</td>
<td>Partition through the Eyes of Parsi Culture in the Novels of Bapsi Sidhwa</td>
</tr>
<tr>
<td></td>
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<td>Ms Khushboo Kantilal Rathod</td>
<td>The Elements of Communalism Depicted in the Novels <em>Tamas</em> and <em>Riot</em>: A Comparative Study</td>
</tr>
<tr>
<td></td>
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<td>Ms Kumarbhai Vasudev Chandvani</td>
<td>A Study of Feminism and Magic-Realism with Special Reference to Isabel Allende’s <em>The Stories of Eva Luna</em></td>
</tr>
<tr>
<td>Dr R K Mandalia</td>
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<td>Ms Archana Mahendrasinh Rana</td>
<td>Portrayal of Female Characters in the Novels <em>Paro</em> and <em>Priya</em> by Namita Gokhale</td>
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<td>--</td>
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<td>Ruskin Bond’s Novella <em>Susanna’s Seven Husbands</em> and Vishal Bhardwaj’s Movie <em>7 Khoon Maaf</em>: A Comparative Study</td>
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(2) MPhil STUDENTS PURSUING IN DEPARTMENTS

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(D) LANGUAGES

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3.2 PUBLICATIONS

(1) RESEARCH PAPERS PUBLISHED IN ACADEMIC JOURNALS

(I) AN OVERVIEW

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Publication of Research Papers in International/National/State Level Journals by the Teachers of Postgraduate Departments in 2012-13

(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 2012-13

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<td>Limonia fruit as a food supplement to regulate fluoride-induced hyperglycaemia and hyperlipidaemia</td>
<td>Journal of the Science of Food and Agriculture</td>
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<td>Production of cellulases by solid state fermentation with Aspergillus terreus and enzymatic saccharification of mild alkali-treated rice straw</td>
<td>Bioresource Technology 121 355-361 May 2012</td>
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<td>Chapla D., Patel H., Singh A., Madamwar D and Shah A</td>
<td>Production, purification and properties of a cellulose-free thermostable endoxylanase from newly isolated Panibacillus sp. ASCD2</td>
<td>Annals of Microbiology International, Italy 62 825-834 2012</td>
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<td>Biodegradation of phenanthrene in bioaugmented microcosm by consortium ASP developed using coastal sediment of Alang-Sosiya ship breaking yard, Gujarat</td>
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<td>Pramod, S., Karumanchi S. Rao., and Anna Sundberg</td>
<td>Structural, histochemical and chemical characterization of normal, tension and opposite wood of Subabul (Leucaena leucocephala).</td>
<td>Wood Science and Technology International 47 777-796 2012</td>
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<td>Micropropagation of Hibiscus radiatus: a medicinally important plant</td>
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<td>African journal of agricultural research</td>
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<td>Enzyme activities during the development and ripening of watermelon (Citrullus lanatus (Thunb.) Matsum. &amp; Nakai) fruit</td>
<td>International Journal of Plant Developmental Biology</td>
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<td>Nutritional quality characteristics of pumpkin fruit as revealed by its biochemical analysis</td>
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<td>One pot synthesis of some novel coumarins containing 5-(substituted-2-hydroxybenzoyl)pyridine as a new class of antimicrobial and antituberculosis agents</td>
<td>Medicinal Chemistry Research</td>
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<td>An efficient synthesis of some new 3-bipyridinyl substituted coumarins as potent antimicrobial agent</td>
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<td>Effect of alkyl chain length and head group on surface active and aggregation behavior of ionic liquids in water</td>
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<td>N. V. Sastry, N. M. Vaghela, P. M. Macwan, S. S. Soni, V. K. Aswal and A. Gibaud</td>
<td>Aggregation Behavior of Pyridinium Based Ionic Liquids in Water – Surface Tension, $^1$H NMR Chemical Shifts, SANS and SAXS Measurements</td>
<td>Journal of Colloid and Interface Science</td>
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<td>N. V. Sastry, P. H. Valand, P. M. Macwan</td>
<td>Effect of hydrophilic additives on volumetric and viscosity properties of amino acids in aqueous solutions at T (283 to 333.15) K</td>
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<td>Use of Web Services for Inter agents communication in Healthcare system</td>
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**(B) ECONOMICS SCIENCES**

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<td>“Role of print media in the Use of Promotional offers”</td>
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<td>Vol. No.-1 Issue No. 5</td>
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selected water users’ associations in Anand district of Gujarat, western India” for World Water Council.


(C) SOCIAL SCIENCES

No. of Research Papers Published by the Teachers of Social Sciences of Postgraduate Departments in International/National/State Level Journals in 2012-13

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DEPARTMENT OF EDUCATION

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### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

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<td>Prof. U. A. Thaker</td>
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<td>Mr. Narendra Vasava &amp; Dr. S.D.Mishra</td>
<td>Youth and Sustainable Development: An Exploratory Study undertaken to understand involvement of youth in enhancement in Sustainable Development</td>
<td>International Journal of Social Science Tomorrow ISSN 2277-6168</td>
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<td>Dr. S.D. Mishra &amp; Mr. Shyam Inda</td>
<td>Quality of Work Life of Middle and Lower Level Employees Dr. Shivani Mishra and Shyam Singh Inda</td>
<td>Journal of RESEARCH, EXTENSION AND DEVELOPMENT</td>
<td>Vol. 1 No. 5</td>
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<td>Preventing Parent Abuse</td>
<td>Journal of School Social Work</td>
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<td>June 2012</td>
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<td>Mr. Margit Patel &amp; Dr. Bigi Thomas</td>
<td>A Study on the Socio-Economic Difficulties Faced by the Mothers of Specially Abled Persons</td>
<td>International Journal of Social Science Tomorrow[IJSST]</td>
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<td>Vol.1, No.5</td>
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### Impact of NREGA Scheme: A Study on the Overall quality of life of Its Beneficiaries.

**Dr. Bigi Thomas & Miss Ruby Bhatia**

*Asia –Pacific Journal of Social Sciences*  

### Gender Aspects in Education: Evidences from a Tribal District in Gujarat

**Dr. Bigi Thomas & Miss Sadhana Adhikary**

*Journal of School Social Work*  
National, ISSN: 0976-3759, Vol.9, (6), 03-08, November 2012

### Gender Differentials and gender Issues of Human Development: Evidences from a tribal district in Gujarat

*Journal of Economic Development*  
ISSN 0004-3567, Vol. xxxxix (No.1), 38-61, January-June 2013

### School and family bonding: the module for young mind development in contemporary society

**Dr. S. Prabhakar**

*Journal of School Social Work ISSN*  
National, Vol IV Issue 06, ---, July 2012

### EQ: A path to capacity building

*Journal of School Social Work ISSN*  
National, Vol IX Issue 04, ---, September 2012

### Health care communication and obesity with respect to community mobilization networking advocacy: Social work initiative

*Working journal of 7th International health care conference conducted by Houston University, USA and JNU Jaipur*  
International, ---, ---, January 2013

### A Concern of Diaspora intervention

*Working Journal NRG Foundation*  
International, ---, ---, March 2013

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### DEPARTMENT OF POLITICAL SCIENCE

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<td>International Indexed &amp; Listed Referred e-Journal IOSR (JHSS) ISSN-2279-0837</td>
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<td>Self Confidence Among School student</td>
<td>International Journal of Research in Social Sciences &amp;</td>
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DEPARTMENT OF SOCIOLOGY

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<td>Dr. J.M. Trivedi</td>
<td>Globalization and changing caste and gender relations among educated youth in central gujara</td>
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<td>Social science research: perspectives problems and prospects</td>
<td>Arvallino tahuko</td>
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<td>Plurality in Indian diaspora: a case of patidar diaspora in USA</td>
<td>VNSGU Journal</td>
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<td>One more Mahabhinish- Kraman</td>
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<td>Dr. I.M. Macwan</td>
<td>Contribution of NRI’S in regional development</td>
<td>Indian diaspora in national and regional context</td>
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(D) LANGUAGES

No. of Research Papers Published by the Teachers of Languages in International/National/State Level Journals in 2012-13

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<td>Radical Feminism in Kamala Das’ s Poetry</td>
<td>The Commonwealth Review (Special No. on Diversity in Commonwealth Literature)</td>
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<td>Vol.XXI, No.1, 2012 (ISSN: 0974-0473)</td>
<td>96-134</td>
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<td>Mr P B Raval</td>
<td>The Afterlife of Antigone</td>
<td>Prajñā: Journal of Humanities, Social Sciences, and Business Administration</td>
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<td>Dr. D.S.Tripathi</td>
<td>Asadyavina...Sangharsh</td>
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<td>Swatantryottar.. Gram Kendrit Upanyas</td>
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<td>Dr. M.M.Sharma</td>
<td>Agyeva Ki Kavita Vivekanand..</td>
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<td>Vivekanand....</td>
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(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 2012-13

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DEPARTMENT OF BIOSCIENCES

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<tr>
<td>Dr. A.V.R.L.N. Acharaya</td>
<td>Mukesh H. Koladiya, A.V.R.L. Narasimhacharya and Geeta Padate</td>
<td>Avifaunal diversity on urban area: a case study in Vallabha Vidyanagar.</td>
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<td>Name of the Author(s)</td>
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<td>Shah, S.M., Sajja Priti Srinivas and Smart, J.V.</td>
<td>“Computer studies”</td>
<td>Gujarat State Board of School Textbooks, Gandhinagar, Gujarat, India</td>
<td>February 2013</td>
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<td>Sajja Priti Srinivas and Akerkar, R.A.</td>
<td>“Intelligent technologies for web applications”</td>
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<td>Sagar Patel, Kalpesh Anjaria and Hetalkumar Panchal</td>
<td>Leguminous Trees In Anand District” Collection and Analysis with Bioinformatics Applications</td>
<td>Lambert Academic Publishing (LAP)</td>
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(B) ECONOMICS SCIENCES

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DEPARTMENT OF BUSINESS STUDIES

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DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

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<td>Prof. Darshana R. Dave, Chaitanya Vyas</td>
<td>Permission Marketing-Awareness, Perceptions and Preferences in Gujarat</td>
<td>Published by Lambert Academic Publishing, Germany</td>
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<td>Prof. Darshana R. Dave, Dr. Maysoon Abdul Kareem</td>
<td>E - Book titled “Organisation effectiveness in Higher Education”: An Iraq Perspective</td>
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<td>Prof. Darshana R. Dave, Dr. Chaitanya Vyas</td>
<td>Book titled “Publishing in High Impact Management Journals Tips for Beginners</td>
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(C) SOCIAL SCIENCES

**Publication of Books by the Teachers of Social Sciences of Postgraduate Departments in 2012-13**

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<tr>
<td>Prof. U. A. Thaker</td>
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**DEPARTMENT OF MSW (SOCIAL WORK)**

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<tr>
<td>Mukesh Bhatt &amp; Suresh Makvana</td>
<td>A study of Marital Adjustment Among Men and Woman</td>
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<td>University Granth Nirman Board, Ahmedabad</td>
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<td>Dr. R.M. Makwana</td>
<td>Changing profile of tribal women leader in panchayat</td>
<td>Vista international publishing, New Delhi</td>
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<td>Kinnaro – a sociological study</td>
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(D) LANGUAGES

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<td>2</td>
<td>Hindi</td>
<td>04</td>
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<td>3</td>
<td>Sanskrit</td>
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DEPARTMENT OF GUJARATI

<table>
<thead>
<tr>
<th>Name of the Author(s)</th>
<th>Title of the Book</th>
<th>Name and place of the Publisher</th>
<th>Date of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. B.R. Brahmbhatt</td>
<td>Padarth Parva</td>
<td>Rannade prakashan</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td>Abhavnu aeshwarya</td>
<td>Gurjar Prakashan</td>
<td>2013</td>
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</table>

DEPARTMENT OF HINDI

<table>
<thead>
<tr>
<th>Name of the Author(s)</th>
<th>Title of the Book</th>
<th>Name and place of the Publisher</th>
<th>Date of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR. D.S. Tripathi</td>
<td>Kathakalp (Edited) Bhumika</td>
<td>Parshw Prakashan – Ahemdabad Isbn-978-93-82869-14-6</td>
<td>2013</td>
</tr>
<tr>
<td></td>
<td>Bhartiya Cinema Ka Safarnama Samaj Sahitya</td>
<td>Atlantik Publication – New Delhi</td>
<td>2013</td>
</tr>
<tr>
<td>Dr. H.M. Parmar</td>
<td>Dalit Isai Aur Muslim Sandarbhon Ke Pariprekssya Mein Shailesh Matiyani Ke Kahaniyon Ka Adhyayan</td>
<td>Brick Publication, V.V. Nagar</td>
<td>Year – 2012</td>
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DEPARTMENT OF SANSKRIT

<table>
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<tr>
<th>Name of the Author(s)</th>
<th>Title of the Book</th>
<th>Name and place of the Publisher</th>
<th>Date of Publication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Niranjan Patel</td>
<td>Aubhashya</td>
<td>Parshva Publication, Ahmedabad</td>
<td>April, 2012</td>
</tr>
</tbody>
</table>

(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-Nurnberg (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 2012-13**

<table>
<thead>
<tr>
<th>No</th>
<th>Name of the Department</th>
<th>Collaborative Research Work/Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Physics</td>
<td>Joint Research in Progress:- ICU-DAE (Indore)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mutual Visit :- BARC, PRL</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Joint Research Projects:- DAE BRNS</td>
</tr>
<tr>
<td>4.</td>
<td>Gujarati</td>
<td>Mutual Visit:- Student exchang programme with Bhavnagar University</td>
</tr>
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**3.4 ACADEMIC PROGRAMMES ORGANIZED AND PARTICIPATED**

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

**DEPARTMENT OF CHEMISTRY**

<table>
<thead>
<tr>
<th>Theme</th>
<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Workshop on Frontiers in Chemistry, National Level</td>
<td>UGC</td>
<td>02–04 Feb 2012</td>
<td>Vallabh Vidyanagar</td>
</tr>
</tbody>
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**DEPARTMENT OF MATHEMATICS**

<table>
<thead>
<tr>
<th>Theme</th>
<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Workshop VI on “An Art of Problem Solving in Mathematics” (State Level)</td>
<td>UGC-SAP-DRS</td>
<td>5-11, January-2013</td>
<td>Department of Mathematics, Sardar Patel University</td>
</tr>
<tr>
<td>National Seminar on “Analysis, Geometry and Applications”.</td>
<td>UGC-SAP-DRS</td>
<td>6-7, March, 2013</td>
<td>Department of Mathematics, Sardar Patel University</td>
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</table>

**DEPARTMENT OF PHYSICS**

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<th>Theme</th>
<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jointly organized by Department and Physics Alumina Association</td>
<td>Self</td>
<td>December-2012</td>
<td>V. V. Nagar</td>
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</tbody>
</table>
### DEPARTMENT OF ECONOMICS

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<th>Theme</th>
<th>Sponsors</th>
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<th>Place</th>
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### DEPARTMENT OF SOCIAL WORK (MSW)

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<th>Theme</th>
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<th>Date</th>
<th>Place</th>
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### DEPARTMENT OF POLITICAL SCIENCE

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<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
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<tbody>
<tr>
<td>Indian Parliamentary System and Democracy</td>
<td>UGC</td>
<td>23–24 Feb 2012</td>
<td>Department of Political Science, Sardar Patel University, Vallabhidyanagar</td>
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### DEPARTMENT OF PSYCHOLOGY

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<th>Theme</th>
<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
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</thead>
<tbody>
<tr>
<td>Communication of Research in Psychology</td>
<td>ICSSR</td>
<td>11th – 12th June, 2013</td>
<td>Vallabhidyanagar</td>
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### DEPARTMENT OF SOCIOLOGY

<table>
<thead>
<tr>
<th>Theme</th>
<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact of Indian Diaspora-NRG</td>
<td>Center for Indian diaspora</td>
<td>9-10-Feb -12</td>
<td>---</td>
</tr>
<tr>
<td>Indian diaspora in India &amp; Abroad</td>
<td>Center for Indian diaspora</td>
<td>17-18-Sept-13</td>
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### DEPARTMENT OF GUJARATI

<table>
<thead>
<tr>
<th>Theme</th>
<th>Sponsors</th>
<th>Date</th>
<th>Place</th>
</tr>
</thead>
<tbody>
<tr>
<td>Translation and editing (national work shop)</td>
<td>National translation Mission, Mysore</td>
<td>25-31 July, 2012</td>
<td>M.P. Patel auditorium, V.V.Nagar</td>
</tr>
<tr>
<td>Folktales Research &amp; editing (state level Seminar)</td>
<td>Zaverchand Meghani Lokshahityakendra, Rajkot</td>
<td>2-3 Feb. 2013</td>
<td>M.P. Patel auditorium, V.V.Nagar</td>
</tr>
</tbody>
</table>
(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 2012-13

<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>International</th>
<th>National</th>
<th>State</th>
<th>Local</th>
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<tr>
<td>1.</td>
<td>Biosciences</td>
<td>01</td>
<td>06</td>
<td>01</td>
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<tr>
<td>2.</td>
<td>Chemistry</td>
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<td>03</td>
<td>09</td>
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<tr>
<td>3.</td>
<td>Computer Science</td>
<td>---</td>
<td>02</td>
<td>05</td>
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<td>4.</td>
<td>Electronics</td>
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<tr>
<td>5.</td>
<td>Mathematics</td>
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<td>01</td>
<td>---</td>
<td>15</td>
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<td>Physics</td>
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<td>06</td>
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<tr>
<td>7.</td>
<td>Business Studies</td>
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<td>01</td>
<td>02</td>
<td>07</td>
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<td>8.</td>
<td>MBA</td>
<td>---</td>
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<td>02</td>
<td>07</td>
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<tr>
<td>9.</td>
<td>Economics</td>
<td>---</td>
<td>---</td>
<td>---</td>
<td>01</td>
</tr>
<tr>
<td>10.</td>
<td>Education</td>
<td>---</td>
<td>01</td>
<td>---</td>
<td>04</td>
</tr>
<tr>
<td>11.</td>
<td>History</td>
<td>---</td>
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<td>02</td>
<td>10</td>
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<tr>
<td>12.</td>
<td>Library and Information Science</td>
<td>---</td>
<td>01</td>
<td>---</td>
<td>09</td>
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<td>13.</td>
<td>Social Work (MSW)</td>
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<td>03</td>
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<td>14.</td>
<td>Political Science</td>
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<td>Psychology</td>
<td>---</td>
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<td>---</td>
<td>02</td>
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<tr>
<td>16.</td>
<td>Sociology</td>
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<tr>
<td>Name of the Teacher</td>
<td>Topic</td>
<td>Date(s)</td>
<td>Place</td>
<td>Name of the Scheme under which the lecture was arranged</td>
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</tr>
<tr>
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</tr>
<tr>
<td>Dr. Amita Shah</td>
<td>Microbial exopolysaccharides</td>
<td>7-02-2013</td>
<td>Department of Life Sciences, Sardar Vallabhbhai Patel Campus’ Maharaja Krishnakumarsinhji Bhavnagar University Gaurishankar Lake Road, Bhavnagar - 364 002.</td>
<td>M.Sc. Microbiology</td>
<td></td>
</tr>
<tr>
<td>Dr. Datta Madamwar</td>
<td>Microbial ecology of polluted environment</td>
<td>September 21-22, 2012</td>
<td>Nabira Mahavidyalaya, Katol, India</td>
<td>Conference on ‘Pharmacogenomics: Revolutionizing Personalized Medicines</td>
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<tr>
<td></td>
<td>Molecular analysis of bacterial community structure to assess ecological impact of pollution</td>
<td>October 7-11, 2012</td>
<td>National Taiwan University of Science and Technology and National Taiwan University, Taipei, Taiwan</td>
<td>5th International Conference on Industrial Bioprocesses</td>
<td></td>
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<tr>
<td></td>
<td>Bacterial community structure analysis following molecular approach to assess ecological impact of pollution</td>
<td>December 20-22, 2012</td>
<td>Sri Venkateswara University, Tirupati, India</td>
<td>International Conference on ‘Environmental Impact on Human Health and Therapeutic Challenges</td>
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<tr>
<td></td>
<td>Molecular analysis of bacterial community structure to assess ecological impact of pollution following culture dependent, culture independent and whole genome sequencing approach</td>
<td>January 11, 2013</td>
<td>Yashavantrao Chavan Institute of Science, Satara, India</td>
<td>National Seminar on ‘Applied Microbiology for Globe Protection’</td>
<td></td>
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<tr>
<td></td>
<td>Bacterial community shift in anthropogenic polluted environment</td>
<td>February 8-9, 2013</td>
<td>Shivaji University, Kolhapur</td>
<td>National Conference on ‘Challenges and Opportunities in Life Sciences’</td>
<td></td>
</tr>
<tr>
<td>Dr. T.V. Raman Rao</td>
<td>Edible coatings for the improvement of postharvest quality and shelf-life of fruits and vegetables</td>
<td>14–16, Nov. 2012</td>
<td>Acharya Nagarjuna University, Nagarjuna Nagar, Andhra Pradesh</td>
<td>Andhra Pradesh Science Congress-2012 on Innovation in Science, Technology and Mathematics (ISTAM)</td>
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### DEPARTMENT OF CHEMISTRY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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</thead>
<tbody>
<tr>
<td>Dr. H. S. Patel</td>
<td>Medicinal Polymers</td>
<td>1st-3 March-2013</td>
<td>At CIPET, Lucknow, UP, India</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>High performance Polymers</td>
<td>21/10/2012</td>
<td>Navyug science, Surat</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Online Research Workshop Through BISAG-SANDHAN</td>
<td>16/06/2012</td>
<td>Knowledge Consortium of Gujarat Gandhinagar</td>
<td>---</td>
</tr>
<tr>
<td>Dr. D. I. Brahmbhatt</td>
<td>Nomenclature in Chemistry</td>
<td>1st November, 2012</td>
<td>Sardar Patel University</td>
<td>Centre for interdisciplinary studies in science and technology (CISST)</td>
</tr>
<tr>
<td></td>
<td>$^{13}$C NMR, 2D NMR spectroscopy</td>
<td>10-12th January, 2013</td>
<td>Department of pure and applied chemistry, M.D.S. University, Ajmer</td>
<td>Invited lectures</td>
</tr>
<tr>
<td></td>
<td>Mass spectroscopy and Disconnection approach</td>
<td>7-9th March, 2013</td>
<td>Department of Chemistry, Hemchandracharya North Gujarat University, Patan</td>
<td>Invited lectures</td>
</tr>
<tr>
<td>Dr. D. K. Raval</td>
<td>Research- How to Plan, Present and Publish</td>
<td>June 16, 2012</td>
<td>Gandhinagar</td>
<td>Knowledge Consortium of Gujarat, at BISAG, Gandhinagar</td>
</tr>
<tr>
<td></td>
<td>Prostereoisomerism [2 lectures]</td>
<td>July 26, 2012</td>
<td>Ahmedabad</td>
<td>Gujarat University, Ahmedabad in UGC sponsored Refresher Course</td>
</tr>
<tr>
<td></td>
<td>Chirality &amp; Symmetry and Prostereoisomerism [3 Lectures]</td>
<td>August 16-17, 2012</td>
<td>Aurangabad</td>
<td>BabaSaheb Ambedkar North Marathwada University, Aurangabad in UGC sponsored Refresher Course</td>
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<tr>
<td>Name of the Teacher</td>
<td>Topic</td>
<td>Date(s)</td>
<td>Place</td>
<td>Name of the Scheme under which the lecture was arranged</td>
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<tr>
<td>Dr. M.N. Patel</td>
<td>Quantum Chemistry</td>
<td>18th September 2012</td>
<td>Shri Jayendrapuri arts and Science College, Bharuch</td>
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<tr>
<td></td>
<td>Crystal field theory</td>
<td>15th February</td>
<td>Gujarat University, Ahmedabad</td>
<td>Refresher Course</td>
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<tr>
<td>Dr. S. S. Soni</td>
<td>Statistical Thermodynamics</td>
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<td>KSKV Kuchchh University, Bhuj</td>
<td>Visiting Professor</td>
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<tr>
<td></td>
<td>Solid State Chemistry and Defects</td>
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<td>KSKV Kuchchh University, Bhuj</td>
<td>Visiting Professor</td>
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### DEPARTMENT OF COMPUTER SCIENCE

<table>
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<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Prof P V Virparia</td>
<td>MS-EXCEL (3 sessions)</td>
<td>15-05-2012, 22-05-2012</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 13th Orientation Programme</td>
</tr>
<tr>
<td></td>
<td>Web Designing and Development (2 sessions)</td>
<td>12-03-2013</td>
<td>UGC Academic Staff College, Saurashtra University</td>
<td>UGC Sponsored Refresher Course in Computer Science</td>
</tr>
<tr>
<td></td>
<td>Web Designing (2 sessions)</td>
<td>12-05-2012</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 9th Refresher Course in Computer Science</td>
</tr>
<tr>
<td></td>
<td>Operations Research Techniques</td>
<td>21-05-2013</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 9th Refresher Course in Computer Science</td>
</tr>
<tr>
<td></td>
<td>Data Warehouse</td>
<td>21-05-2013</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 9th Refresher Course in Computer Science</td>
</tr>
<tr>
<td></td>
<td>MS-EXCEL (3 sessions)</td>
<td>16-07-2012, 17-07-2012</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 15th Orientation Programme</td>
</tr>
<tr>
<td></td>
<td>MS-EXCEL (3 sessions)</td>
<td>30-11-2012, 14-12-2012</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 16th Orientation Programme</td>
</tr>
<tr>
<td></td>
<td>MS-EXCEL (2 sessions)</td>
<td>22-03-2013</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored Refresher Course in Research Methodology</td>
</tr>
<tr>
<td></td>
<td>Website Design (2 sessions)</td>
<td>06-03-2013</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored Refresher Course in Emerging Trends in Engineering and Technology</td>
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<td></td>
<td>MS-EXCEL (3 sessions)</td>
<td>04-12-2012</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar</td>
<td>UGC Sponsored 17th Orientation Programme</td>
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<table>
<thead>
<tr>
<th>Event Name</th>
<th>Date</th>
<th>Details</th>
<th>Location</th>
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<tbody>
<tr>
<td>Information Technology</td>
<td>22-03-2013</td>
<td>SHIKHAR-2013 organized by Anand Institute of Business Studies, Anand</td>
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<tr>
<td>Data Warehouse &amp; Data Mining</td>
<td>02-03-2013</td>
<td>IT-FUTURA-2013 organized by Anand Institute of Information Science, Anand</td>
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<tr>
<td>Prof D B Choksi</td>
<td></td>
<td>Distributed Systems</td>
<td>JRN RV University, Udaipur</td>
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<td></td>
<td>22-04-2012</td>
<td>Expert Talk in the International Conference on Recent Trends of Computer Technology in Academia</td>
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<tr>
<td>Distributed Computing</td>
<td>08-05-2012</td>
<td>UGC Academic Staff College, S.P. University, V.V.Nagar.</td>
<td>UGC Sponsored Refresher Course in Computer Science</td>
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<td>Computer Networks</td>
<td>25-05-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Orientation Programme for University and College Teachers</td>
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<td>Computer Basics</td>
<td>02-06-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Refresher Course in Commerce</td>
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<td>Computer Networks</td>
<td>23-06-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Orientation Programme for University and College Teachers</td>
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<td>Computer Networks</td>
<td>13-07-2012</td>
<td>Rollwala Computer Centre, Gujarat University, Ahmedabad</td>
<td>UGC Sponsored Refresher Course in Computer Science</td>
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<td>Computer Networks</td>
<td>24-07-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Orientation Programme for University and College Teachers</td>
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<td>Distributed Computing</td>
<td>27-07-2012</td>
<td>ISTAR, V.V.Nagar.</td>
<td>Expert Lecture</td>
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<td>Internet Technology</td>
<td>30-08-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Refresher Course in Agricultural Science</td>
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<td>Network Security</td>
<td>25-09-2012</td>
<td>B.H.Gardi College of Engineering &amp; Technology, Rajkot</td>
<td>Expert Lecture</td>
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<td>Use of ICT in Research</td>
<td>19-10-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Interaction Programme for Ph.D. Scholars</td>
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<td>Computer Networks</td>
<td>30-11-2012</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar.</td>
<td>UGC Sponsored Refresher Course on Research Methodology</td>
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<td>Computer Awareness</td>
<td>04-12-2012</td>
<td>Sanjana Talawadi School, V.V.Nagar</td>
<td>Community Science Centre, Sardar Patel University</td>
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<td>Institution</td>
<td>Event Description</td>
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<td>08-12-2012</td>
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<td>Computer Networks</td>
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<td>Distributed Computing</td>
<td>15-03-2013</td>
<td>UGC Academic Staff College, Saurashtra University, Rajkot</td>
<td>UGC Sponsored Refresher Course in Computer Proficiency and Nano Technology</td>
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<tr>
<td>Computer Networks, Internet and Search Engines</td>
<td>23-03-2013</td>
<td>UGC Academic Staff College, S.P.University, V.V.Nagar</td>
<td>UGC Sponsored Refresher Course in Comparative Literature</td>
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<tr>
<td>Prof D M Shah</td>
<td></td>
<td>Multimedia Computing (2 sessions)</td>
<td>February 2013 - Academic staff college, V V Nagar</td>
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<tr>
<td>Prof Priti Srinivas Sajja</td>
<td>PowerPoint –I</td>
<td>11 May 2012 - Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<td>PowerPoint –II</td>
<td>11 May 2012 - Academic Staff college, S P University</td>
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<td>PowerPoint –I</td>
<td>12 June 2012 - Academic Staff college, S P University</td>
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<td>PowerPoint –II</td>
<td>12 June 2012 - Academic Staff college, S P University</td>
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<td>27 July 2012 - Academic Staff college, S P University</td>
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<td>12 July 2012 - Academic Staff college, S P University</td>
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<td>PowerPoint –I</td>
<td>26 Nov 2012 - Academic Staff college, S P University</td>
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<td>29 Nov 2012 - Academic Staff college, S P University</td>
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<td>PowerPoint –II</td>
<td>29 Nov 2012 - Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<td>Date</td>
<td>Location</td>
<td>Type</td>
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<td>PowerPoint –II</td>
<td>3 Nov 2012</td>
<td>Academic Staff college, S P University</td>
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<td>20 Mar 2013</td>
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<td>PowerPoint –II</td>
<td>20 Mar 2013</td>
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<td>Soft computing 1</td>
<td>22 Feb 2013</td>
<td>Academic Staff college, S P University</td>
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<td>Soft computing 2</td>
<td>22 Feb 2013</td>
<td>Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<td>PowerPoint –I</td>
<td>29 March 2013</td>
<td>Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<tr>
<td>PowerPoint –II</td>
<td>29 March 2013</td>
<td>Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<tr>
<td>Effective Presentations (2 sessions)</td>
<td>28 Jan 2013</td>
<td>VM Patel College of Management Studies, Ganpat University, Kherwa</td>
<td>Faculty Development Program</td>
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<tr>
<td>Computer Fundamentals</td>
<td>4 Dec 2012</td>
<td>Mahatma Gandhi School at mogari</td>
<td>Science day celebration</td>
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<tr>
<td>Artificial Intelligence</td>
<td>24 Aug 2012</td>
<td>ISTAR</td>
<td>Post graduate students of Comp Sc.</td>
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<td>Soft computing -1</td>
<td>22 May 2012</td>
<td>Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<td>Soft computing -2</td>
<td>22 May 2012</td>
<td>Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<tr>
<td>Intelligent Technologies for Web</td>
<td>20 April 2012</td>
<td>LJ Institute of Comp Engg.</td>
<td>AICTE sponsored Staff Development Programme on Data Mining, LJ Institute of Engineering &amp; Technology, Ahmedabad</td>
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<td>Knowledge Based Systems (2 sessions)</td>
<td>5 March 2012</td>
<td>Academic Staff college, S P University</td>
<td>Refresher/Orientation Course</td>
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<tr>
<td>Artificial Intelligence (2 sessions)</td>
<td>26 Feb 2013</td>
<td>Stephen college</td>
<td>Post graduate students of Comp. Sc.</td>
</tr>
<tr>
<td>Mr. B B Patel</td>
<td>MS-Access 2007 (2 sessions)</td>
<td>04/05/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyvanagar – 388 120.</td>
</tr>
<tr>
<td>Course</td>
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<td>MS-Access 2007 (2 sessions)</td>
<td>24/05/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>10th Refresher Course : Commerce and Management (24/05/2012 to 13/06/2012)</td>
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<td>MS-Access 2007 (2 sessions)</td>
<td>26/05/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>13th Orientation Programme (30/04/2012 to 27/05/2012)</td>
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<td>MS-Access 2007 (2 sessions)</td>
<td>13/07/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>15th Orientation Programme (02/07/2012 to 29/07/2012)</td>
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<td>Web Designing</td>
<td>20/07/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>15th Orientation Programme (02/07/2012 to 29/07/2012)</td>
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<tr>
<td>Web Application Development</td>
<td>06/08/2012</td>
<td>MCA Department, ISTAR, Vallabh Vidyanagar</td>
<td>Two days workshop on .NET Technology</td>
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<td>MS-Excel 2007</td>
<td>28/08/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>11th Refresher Course : Agricultural Science (20/08/2012 to 09/09/2012)</td>
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<td>MS-Access 2007 (2 sessions)</td>
<td>30/08/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>11th Refresher Course : Agricultural Science (20/08/2012 to 09/09/2012)</td>
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<td>Software Development Life Cycle</td>
<td>04/10/2012</td>
<td>MCA Department, ISTAR, Vallabh Vidyanagar</td>
<td>Expert Lecture</td>
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<tr>
<td>Microsoft PowerPoint and Internet</td>
<td>13/10/2012</td>
<td>Anand Institute of Social Work, Anand</td>
<td>Expert Lecture</td>
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<td>RDBMS - Oracle</td>
<td>02/11/2012</td>
<td>M.Sc. (IT) Department, ISTAR, Vallabh Vidyanagar</td>
<td>Invited Lecture</td>
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<tr>
<td>MS-Access 2007 (2 sessions)</td>
<td>26/11/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>16th Orientation Programme (19/11/2012 to 16/12/2012)</td>
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<td>MS-Excel 2007 (Advanced)</td>
<td>05/12/2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>16th Orientation Programme (19/11/2012 to 16/12/2012)</td>
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<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tr>
<td>Mr. J V Smart</td>
<td>Data Warehousing</td>
<td>06-12-2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.</td>
<td>14th Refresher Course (Library and Information Science)</td>
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<td>Backup Devices</td>
<td>06-12-2012</td>
<td>UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.</td>
<td>14th Refresher Course (Library and Information Science)</td>
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<td></td>
<td>Web Services and XML</td>
<td>12-03-2013 to 13-03-2013</td>
<td>Sardar Vallabhbhai Patel Institute of Technology, Vasad</td>
<td>Workshop</td>
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<td></td>
<td>Applications of Bioinformatic In life Sciences</td>
<td>8th - 9th March 2013</td>
<td>Bioinformatics Infrastructure Facility, Bioinformatics Centre, School of Studies in Neuroscience, Jiwaji University, Gwalior, (M.P.)</td>
<td>Bioinformatics Infrastructure Facility, Department of Biotechnology, New Delhi.</td>
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**DEPARTMENT OF ELECTRONICS**

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<th>Place</th>
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<tr>
<td>Dr.(Ms)Vibha S.Vaishnav</td>
<td>Theme : Education for New Consciousness</td>
<td>29th September, 2012</td>
<td>Sri Aurobindo Chair of Integral Studies, Vallabh Vidyanagar</td>
<td>Invitation as Guest Speaker for Faculty Development Programme (Refresher Workshop), Life Enrichment Course,</td>
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<td></td>
<td>Effective Presentation Also worked as Evaluator of Presentations by Faculty Members at the 15th Orientation Programme for Teachers at the Academic Staff College, Sardar Patel University</td>
<td>21-07-2012</td>
<td>Academic Staff College, Sardar Patel University, Vallabh Vidyanagar</td>
<td>UGC sponsored Orientation Programme</td>
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<tr>
<td>Dr.(Mrs)Shahera Patel</td>
<td>Thrust areas in Electronics (Talk delivered as a Special Invitee )</td>
<td>8-2-2013</td>
<td>Shri P.M.Patel College of Electronics and Communication, Anand</td>
<td>On the Occasion of Electronics Day celebration</td>
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## DEPARTMENT OF MATHEMATICS

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<tr>
<td>S.J. Bhatt</td>
<td>The Zero and The One</td>
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<td>CISST, SPU</td>
<td>Inter-disciplinary Lecture Series</td>
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<tr>
<td>S.J. Bhatt</td>
<td>(2 Lectures)</td>
<td>---</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
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<tr>
<td>S.J. Ghevariya</td>
<td>Mathematics</td>
<td>February 12, 2013</td>
<td>V. Z. Patel Commerce College, Anand</td>
<td>Guest Lecture (B.Com. Students)</td>
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<td>Mathematics</td>
<td>February 14, 2013</td>
<td>V. Z. Patel Commerce College, Anand</td>
<td>Guest Lecture (BBA Students)</td>
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<td>H.S. Mehta</td>
<td>Graph Theory and Matrices (2 Lectures)</td>
<td>December-2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>Refresher Course</td>
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<tr>
<td>P.A. Dabhi</td>
<td>LaTeX (4 Lectures)</td>
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<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>Refresher Course</td>
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<tr>
<td>A.H. Hasmani</td>
<td>Mathematica (3 Lectures)</td>
<td>December-2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>Refresher Course</td>
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<td>Coordinate Systems and Multiple Integrals</td>
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<td>Science College, Charjan Maharashtra</td>
<td>Guest Lecture</td>
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<tr>
<td>A.B. Patel</td>
<td>Resource Person (5 Lectures)</td>
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<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>Refresher Course and Orientation Programmes</td>
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<tr>
<td>D.J. Karia</td>
<td>Math and Scientific Reasoning (2 Lectures)</td>
<td>26/05/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>13th Orientation Programme</td>
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<tr>
<td>D.J. Karia</td>
<td>UGC NET Paper-I (2 Lectures)</td>
<td>20/06/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>14th Orientation Programme</td>
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<tr>
<td>D.J. Karia</td>
<td>(a) Logical Reasoning (b) Mathematical Reasoning</td>
<td>20/07/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>15th Orientation Programme</td>
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<tr>
<td>D.J. Karia</td>
<td>(a) Logical Reasoning (b) Mathematical Reasoning</td>
<td>15/12/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>16th Orientation Programme</td>
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<td>D.J. Karia</td>
<td>Functional Analysis (2 Lectures)</td>
<td>26/11/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>12th Refresher Course: Mathematical Science (MD)</td>
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<td>D.J. Karia</td>
<td>Topology (2 Lectures)</td>
<td>30/11/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>12th Refresher Course: Mathematical Science (MD)</td>
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<td>D.J. Karia</td>
<td>Mathematical Reasoning (2 Lectures)</td>
<td>27/11/2012</td>
<td>UGC Academic Staff College Sardar Patel University, VV Nagar</td>
<td>17th Orientation Programme</td>
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## DEPARTMENT OF PHYSICS

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<tr>
<td>Prof. P. C. Vinodkumar</td>
<td>Particle Physics</td>
<td>04/02/2013</td>
<td>Kannur University, Kannur, Kerala.</td>
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<td>The fundamental building blocks of matter &amp; The Standard Model</td>
<td>05/03/2013</td>
<td>Gandhinagar Institute of Technology</td>
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<td>Symmetry of nature and Higg’s Boson-The God Particle</td>
<td>16/01/2013</td>
<td>Narmada college of Science and Commerce, Bharuch</td>
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<td>Physics-The study of nature and symmetry-It’s beauty</td>
<td>24/08/2012</td>
<td>B P Baria Science College, Navsari</td>
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<td>A Journey through the world of ‘…onium’ i.e., Positronium to Quarkonium and Hadronium to Atomonium</td>
<td>08/03/2013</td>
<td>National Conference on “Electron collosion Processes… Molecular Physics” held at V.P. &amp; R.P. Sci. College, V. V. Nagar 07-09 March 2013</td>
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<td></td>
<td>In search of Higgs Boson- ‘The God Particle’: The Excitements and Current Experimental Scenario</td>
<td>27/01/2013</td>
<td>PDPIS, Changa</td>
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<td></td>
<td>Higg’s boson: ‘The God Particle.’</td>
<td>29/08/2012</td>
<td>CISST Lecture series, S.P. University</td>
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<td></td>
<td>LHC, Standard Model &amp; Higg’s boson</td>
<td>23/07/2012</td>
<td>SANDHAN (BISAG), Knowledge Consortium of Gujarat, , Department of Education, Government of Gujarat.</td>
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<td>Recent Experiment carried out with LHC and Higg’s Boson</td>
<td>14/07/2012</td>
<td>V.P. &amp; R.P. Sci. College, V. V. Nagar.</td>
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<tr>
<td>Dr. N. K. Bhatt</td>
<td>Series of lectures on ‘Quantum Mechanics’</td>
<td>During March-April, 2013</td>
<td>Deptt. of Phys., Guj. Uni., Ahmedabad</td>
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<td>‘Interpretation of Wave Functions’</td>
<td>07-01-2013</td>
<td>BISAG, Gandhinagar</td>
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## DEPARTMENT OF BUSINESS STUDIES

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<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S. K. Bhatt</td>
<td>Refresher Course</td>
<td>18/10/2012 to 07/11/2012</td>
<td>U.G.C. Academic staff College, Rashtrasant Tukadoji Nagpur University, Nagpur.</td>
<td>U.G.C. Refresher Course</td>
</tr>
<tr>
<td>Dr. C. K. Sonara</td>
<td>Research Methodology</td>
<td>3/08/2012</td>
<td>Mahamandleshwar Shri Krishnanandji College of Commerce, Bharuch.</td>
<td>Guest Lecture</td>
</tr>
<tr>
<td>Dr. Y. M. Dalwadi</td>
<td>Conducted Quiz Competition on the occasion of event ‘Shikher’</td>
<td>March 22, 2013</td>
<td>Anand Institute of Business Studies, Anand</td>
<td>Shikher – Annual Event</td>
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<tr>
<td></td>
<td>How to Prepare yourself for NET &amp; GSET Examination</td>
<td>February 1, 2013</td>
<td>I V Patel College of Commerce, Nadiad</td>
<td>Workshop</td>
</tr>
<tr>
<td></td>
<td>Hypothesis Testing</td>
<td>19th October 2012</td>
<td>Anand Institute of Business Studies, Anand</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Promotion and Demotion (Business Organization and Management )</td>
<td>21/9/2012</td>
<td>Gandhinagar</td>
<td>Sandhan (Live television Lecture Series from Bisag)</td>
</tr>
<tr>
<td></td>
<td>Research Methodology</td>
<td>15/9/2012</td>
<td>by Shree P M Patel Institute of Business Administration</td>
<td>Seminar</td>
</tr>
<tr>
<td></td>
<td>Concept of Fixed Cost, Variable Cost and Break-even Analysis</td>
<td>28th August 2012</td>
<td>H M Patel College of Home Science, Vallabh Vidyanagar</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Judge for Annual Inter Collegiate H M Patel Memorial Debate Competition on Use of Cellular Phone and Students</td>
<td>August 8, 2012</td>
<td>Post Graduate Department of Economics, SPU</td>
<td>Inter Collegiate H M Patel Memorial Debate Competition</td>
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<tr>
<td></td>
<td>UGC NET for paper II and III</td>
<td>12th, 14th, 16th and 22nd May 2012</td>
<td>Business Studies Dept. Vallabh Vidyanagar</td>
<td>UGC Sponsored Net Coaching Centre for SC/ST of Sardar Patel University</td>
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## DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecturer was arranged</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promotion of Culture of Quality through Research” organized by Knowledge Consortium of Gujarat</td>
<td>6-7-8 July 2012</td>
<td>Vallabh Vidyanagar</td>
<td>Bhikhabhai Jivabhai Vanijya Mahavidyalaya, Vallabh Vidyanagar</td>
<td></td>
</tr>
</tbody>
</table>

**Dr. R.M. Rathod**

| Job Transfer and Quality of Work Life (Business Organization Management) | 21 September 2012 | BISAG, Government of Gujarat, Sandhan (Live Television Lecture Series) |
| Research Proposal and Report Writing | 15 September 2012 | P.M. Patel Institute of Business Administration |
| Success Strategy to Cleat UGC NET/GSET | 4th October 2012 | D.N. Institute of P.G. Studies in Commerce, Anand |
| Factor Analysis and Cluster Analysis | 7th December 2012 | International Agri-Business Management Institute, Anand Agriculture University |
| Basics of Research | 9 July 2012 | V Z Patel Commerce College, Anand |
| Marketing Value Delivering System | 9th May 2012 | Narmada Institute of Business Management, Bharuch |

**DEPARTMENT OF ECONOMIC**

| Name of the Teacher | Topic | Date(s) | Place | Name of the Scheme under which the lecture was arranged |

**DEPARTMENT OF EDUCATION**

<p>| Name of the Teacher | Topic | Date(s) | Place | Name of the Scheme under which the lecture was arranged |
| Dr. Pallavi P. Patel | Requirement of EI for students | 19/4/2012 | Pharmaceutecular Dep. SPU Academic staff College, SPU | --- |</p>
<table>
<thead>
<tr>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Importance of Guru in our life</td>
<td>3/7/2012</td>
<td>Academic Staff College, SPU</td>
<td>---</td>
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<tr>
<td>Relation between I.Q. &amp; E.Q. Constructivism</td>
<td>13/7/2012</td>
<td>D.E.S. College of Education, Dhule (Maharastra)</td>
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**DEPARTMENT OF HISTORY**

<table>
<thead>
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<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Prof. Jigish M. Pandya</td>
<td>How to do Research</td>
<td>14/8/2012</td>
<td>V. V. Nagar</td>
<td>Guest Lecture</td>
</tr>
<tr>
<td></td>
<td>Social change In India</td>
<td>10/10/2012</td>
<td>Godhra</td>
<td>Guest Lecture</td>
</tr>
<tr>
<td></td>
<td>Social change during 19th century</td>
<td>20/2/2013</td>
<td>Anand</td>
<td>P. G. Level Guest Lecture (P. G. Centre)</td>
</tr>
<tr>
<td></td>
<td>Life and work of Sardar Vallabhbhai Patel</td>
<td>20/2/2013</td>
<td>Karamsad</td>
<td>Guest Lecture</td>
</tr>
<tr>
<td></td>
<td>Youth and aide prevent</td>
<td>28/2/2013</td>
<td>V. V. Nagar</td>
<td>M. Phil Level Guest Lecture Guest Lecture</td>
</tr>
<tr>
<td></td>
<td>Bhaikaka</td>
<td>3/3/2013</td>
<td>V. V. Nagar</td>
<td>UGC Academic Exchange of Teacher Scheme.</td>
</tr>
<tr>
<td>Dr. Hamant Dave</td>
<td>Modernization &amp; Globalization</td>
<td>14/7/2012</td>
<td>V. V. Nagar</td>
<td>ASC, S. P. U. V. V. Nagor Orientation Course</td>
</tr>
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<td></td>
<td>Modernization &amp; Globalization</td>
<td>1/11/2012</td>
<td>V. V. Nagar</td>
<td>ASC, S. P. U. V. V. Nagor Orientation Course</td>
</tr>
<tr>
<td></td>
<td>Modernization &amp; Globalization</td>
<td>3/12/2012</td>
<td>V. V. Nagar</td>
<td>ASC, S. P. U. V. V. Nagor Orientation Course</td>
</tr>
<tr>
<td></td>
<td>Roland Barthes and his contribution to literary theory</td>
<td>27/7/2012</td>
<td>Ahmedabad</td>
<td>Ka. La svadhyaya Mandir Ahmedabad in the series Pachhimma sahiya siddhatkaro</td>
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<tr>
<td></td>
<td>State formation in Post – Vedic and Buddhist Age.</td>
<td>10/10/2012</td>
<td>Godhra</td>
<td>Sheth P. T. Arts &amp; Science College, Godhra.</td>
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<tr>
<td></td>
<td>History in ancient India</td>
<td>29/1/2013</td>
<td>Gandhinagar</td>
<td>BISAG</td>
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## DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

<table>
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<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. U. A. Thaker</td>
<td>Putting knowledge to work</td>
<td>3/12/2012</td>
<td>ASC, SPU</td>
<td>16th Orientation Course</td>
</tr>
<tr>
<td></td>
<td>Use of Information Super Highway for Study &amp; Research</td>
<td>3/12/2012</td>
<td>ASC, SPU</td>
<td>16th Orientation Course</td>
</tr>
<tr>
<td></td>
<td>Use of Information Super Highway for Study &amp; Research</td>
<td>4/12/2012</td>
<td>ASC, SPU</td>
<td>17th Orientation Course</td>
</tr>
<tr>
<td></td>
<td>Putting knowledge to work</td>
<td>4/12/2012</td>
<td>ASC, SPU</td>
<td>17th Orientation Course</td>
</tr>
<tr>
<td></td>
<td>Role of Library &amp; Information Professional, in Digital Era</td>
<td>19/11/2012</td>
<td>ASC, SPU</td>
<td>14th Refresher Course</td>
</tr>
<tr>
<td></td>
<td>Lectures on emerging trends in LIS.</td>
<td>28/10/2012 to 06/11/2012</td>
<td>DLIS, Univ. of Jammu, Jammu</td>
<td>UGC Visiting fellow</td>
</tr>
<tr>
<td>Dr. N. D. Oza</td>
<td>Use of Social Networking in Libraries</td>
<td>21/11/2012</td>
<td>ASC, SPU</td>
<td>14th Refresher Course</td>
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<td></td>
<td>Digital Repository/ IR</td>
<td>21/11/2012</td>
<td>ASC, SPU</td>
<td>14th Refresher Course</td>
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<tr>
<td></td>
<td>Digitization Process</td>
<td>01/12/2012</td>
<td>ASC, SPU</td>
<td>14th Refresher Course</td>
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<td></td>
<td>Digitization Process</td>
<td>01/12/2012</td>
<td>ASC, SPU</td>
<td>14th Refresher Course</td>
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## DEPARTMENT OF SOCIAL WORK (MSW)

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<thead>
<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Gandhi and Social Work</td>
<td>2/10/2012</td>
<td>NDDB, Anand</td>
<td>Gandhi-Shastri Anniversary HR Program</td>
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<tr>
<td></td>
<td>Urbanisation</td>
<td>16/5/2012</td>
<td>UGC Academic Staff college, SPU, VVnagar</td>
<td>13th Orientation Program</td>
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<tr>
<td></td>
<td>Modernisation</td>
<td>19/5/2012</td>
<td>UGC Academic Staff college, SPU, VVnagar</td>
<td>13th Orientation Program</td>
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### DEPARTMENT OF POLITICAL SCIENCE

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<tr>
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<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Prof. Baldev Agja</td>
<td>Social Science &amp; Research Methodology</td>
<td>31/01/2013</td>
<td>Behavioural Science Centre, St. Xaviers College, Navrangpura, Ahmedabad</td>
<td>Centre for Social Studies Sponsored by ICSSR (MHRD, Govt. of India)</td>
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### DEPARTMENT OF PSYCHOLOGY

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<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td></td>
<td>Training and Stress of Panchayat employees (Basic functional course among stress)</td>
<td>17/9/2012 12.30 to 14.00pm</td>
<td>Sigma Institute, At-Bakrol, A Ajva road Vaghodia, Dist-Baroda</td>
<td>“Rastriya Gramm Swarojgar Yojna” Developmental Employees training Under the Government of India (By D.D.O Baroda)</td>
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### DEPARTMENT OF SOCIOLOGY

<table>
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<tr>
<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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</thead>
<tbody>
<tr>
<td>Dr. J.M. Trivedi</td>
<td>Research method and techniques in social science research: some issues and strategies</td>
<td>4-12-12</td>
<td>Academic staff college V.V. Nagar</td>
<td>13 refresher courses on research methodology, S.P.UNI</td>
</tr>
<tr>
<td></td>
<td>Sociology of human rights</td>
<td>5-2-13</td>
<td>Academic staff college Gujarat University</td>
<td>Special refresher course organized by A.S.C</td>
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<tr>
<td></td>
<td>Inaugural lecture on literary representation of social changes</td>
<td>18-3-13</td>
<td>Dept. of English S.P.U</td>
<td>SEPT</td>
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<tr>
<td></td>
<td>Content analysis in social research</td>
<td>22-3-13</td>
<td>Center for social studies, VNSGU</td>
<td>Training prog. For sc/st teachers sponsored by ICSSR</td>
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<tr>
<td>Dr. I.M. Macwan</td>
<td>Women empowerment</td>
<td>13-3-13</td>
<td>Anand</td>
<td>Gujarath catholic samaj</td>
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### DEPARTMENT OF ENGLISH

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<th>Name of the Teacher</th>
<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecturer was arranged</th>
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<tbody>
<tr>
<td>Dr J H Khan</td>
<td>Research Methodology</td>
<td>16 July 2012</td>
<td>Academic Staff College, SPU, Vallabh Vidyanagar</td>
<td>UGC Short-term Courses</td>
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<tr>
<td></td>
<td>Review of Literature</td>
<td>16 July 2012</td>
<td>Academic Staff College, SPU, Vallabh Vidyanagar</td>
<td>UGC Short-term Courses</td>
</tr>
<tr>
<td></td>
<td>Interpretation and Report Writing</td>
<td>29 Nov 2012</td>
<td>Refresher Course on Research Methodology</td>
<td>UGC Refresher Course Scheme</td>
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### DEPARTMENT OF GUJARATI

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<tr>
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<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Dr.P.D.Pandya</td>
<td>Gujarati vakyarachna</td>
<td>6/1/2013</td>
<td>Surajba Mahila Arts Co.</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Gujarati sayojako, krudant,nipat, kriyavisheshan</td>
<td>6/1/2013</td>
<td>Surajba mahila Arts College,Nadiad</td>
<td>Seminar,gujrat.sahitya akademi</td>
</tr>
<tr>
<td>Dr.B.R.BrahmBhatt</td>
<td>Madhav Ramanujni Kavita</td>
<td>17/7/12</td>
<td>Dabhoi</td>
<td>Seminar,gujrat.sahitya akademi</td>
</tr>
<tr>
<td></td>
<td>Mari Hakikat</td>
<td>23/2/13</td>
<td>Palitana</td>
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### DEPARTMENT OF HINDI

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<th>Topic</th>
<th>Date(s)</th>
<th>Place</th>
<th>Name of the Scheme under which the lecture was arranged</th>
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<tbody>
<tr>
<td>Dr. N.K.Chauhan</td>
<td>Hindi Ki Dasha Aur Disha</td>
<td>17-11-2012</td>
<td>Lucknow</td>
<td>UGC Seminar</td>
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<tr>
<td></td>
<td>Hindi Alochana Aur Dr. Ramvilas Sharma</td>
<td>22-23. Feb. 2013</td>
<td>Heydrabad</td>
<td>National Seminar</td>
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<tr>
<td></td>
<td>Hindi Natak Ki Sthiti Aur Sidhyen</td>
<td>6-7. March 2013</td>
<td>Patiala</td>
<td>National Seminar</td>
</tr>
<tr>
<td>Dr. D.S.Tripathi</td>
<td>Premchand Ka Pradey</td>
<td>31-07-2012</td>
<td>C.B.Patel Arts Nadiad.</td>
<td>College Lecture Scheme (Guest</td>
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<td>No.</td>
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<td>International</td>
<td>National</td>
<td>State</td>
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<td>Biosciences</td>
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<td>15</td>
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<td>3.</td>
<td>Computer Science</td>
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<td>5.</td>
<td>Home Science</td>
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<td>6.</td>
<td>Materials Science</td>
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<td>7.</td>
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<td>8.</td>
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<td>Pharmaceutical Science</td>
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<td>03</td>
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<td>13.</td>
<td>History</td>
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<td>04</td>
<td>02</td>
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<td>14.</td>
<td>Lib. and Inf. Sci.</td>
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DEPARTMENT OF BIOSCIENCES

<table>
<thead>
<tr>
<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tbody>
<tr>
<td>Dr. A.V.R.L.N. Acharaya</td>
<td>Life Sciences at KCG Workshop on Promotion of Culture of Quality Through Research</td>
<td>BJVM</td>
<td>Vallabh Vidyanagar</td>
<td>06-07-2012 to 08-07-2012</td>
<td>Resource person</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Regional Science Congress on Science for shaping the future of India</td>
<td>M. S. University of Baroda &amp; Indian Science Congress Association (Baroda chapter)</td>
<td>Vadodara</td>
<td>15-09-2012 to 16-09-2012</td>
<td>Chaired a session</td>
<td>---</td>
</tr>
<tr>
<td>Sardar Patel University Academic Staff College,</td>
<td>Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>16-10-2012</td>
<td>Delivered a Lecture</td>
<td>Importance and Significance of Research</td>
<td></td>
</tr>
<tr>
<td>Dr. Amita Shah</td>
<td>Poster presented by research student in International Conference on Industrial Biotechnology (ICIB-2012)</td>
<td>Biotechnology Research Society of India</td>
<td>Panjabi University, Patiala</td>
<td>21-23 Nov</td>
<td>Presentation of poster</td>
<td>Mentioned below.</td>
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<tr>
<td>----------------</td>
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<tr>
<td></td>
<td>Good Agricultural and Collection Practices for Medicinal and Aromatic Plants</td>
<td>Directorate of Medicinal and Aromatic Plants Research</td>
<td>Boriavi, Anand</td>
<td>04.03.2013</td>
<td>Resource person</td>
<td>The relevance of plant taxonomy in the utilization and Conservation of Medicinal</td>
</tr>
<tr>
<td></td>
<td>All India Botanical Conference</td>
<td>M.S. University of Baroda</td>
<td>Vadodara</td>
<td>10.10.2012</td>
<td>Resosurce person</td>
<td>Co-chairman of the Technical Session</td>
</tr>
<tr>
<td></td>
<td>Conference on Drug Discovery from Natural Products</td>
<td>Charotar University of Science and Technology</td>
<td>Changa</td>
<td>9.01.2013</td>
<td>Resorce Person</td>
<td>Chairman of Technical Session</td>
</tr>
<tr>
<td>Dr. Datta Madamwar</td>
<td>National Conference on ‘Pharmacogenomics: Revolutionizing Personalized Medicines’</td>
<td>Nabira Mahavidyalaya</td>
<td>Katol, India</td>
<td>September 21-22, 2012</td>
<td>Invited Talk</td>
<td>Microbial ecology of polluted environment</td>
</tr>
<tr>
<td></td>
<td>5th International Conference on Industrial Bioprocesses</td>
<td>National Taiwan University of Science and Technology and National Taiwan University,</td>
<td>Taipei, Taiwan</td>
<td>October 7-11, 2012</td>
<td>Invited Talk</td>
<td>Molecular analysis of bacterial community structure to assess ecological impact of pollution</td>
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<td></td>
<td>International Conference on ‘Environmental Impact on Human Health and Therapeutic Challenges</td>
<td>Sri Venkateswara University,</td>
<td>Tirupati, India</td>
<td>December 20-22, 2012</td>
<td>Invited Talk</td>
<td>Bacterial community structure analysis following molecular approach to assess ecological impact of pollution</td>
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<td>Event</td>
<td>Location</td>
<td>Date</td>
<td>Role/Activity</td>
<td>Presentation/Work</td>
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<tr>
<td>National Seminar on ‘Applied Microbiology for Globe Protection’</td>
<td>Yashavantrao Chavan Institute of Science, Satara, India</td>
<td>January 11, 2013</td>
<td>Invited Talk</td>
<td>Molecular analysis of bacterial community structure to assess ecological impact of pollution following culture dependent, culture independent and whole genome sequencing approach</td>
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<tr>
<td>National Conference on ‘Challenges and Opportunities in Life Sciences’</td>
<td>Shivaji University, Kolhapur, Maharashtra, India</td>
<td>February 8-9, 2013</td>
<td>Invited Talk</td>
<td>Bacterial community shift in anthropogenic polluted environment</td>
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<tr>
<td>Dr. Haresh Keharia</td>
<td>International Conference on Industrial Biotechnology, Patiala, Punjab, India</td>
<td>November 21-23, 2012</td>
<td>Oral Presentation</td>
<td>Characterization of antifungal cyclic lipopeptides produced by banyan endophytic bacilli using Intact cell MALDI-TOF mass spectrometry and its effectiveness as biocontrol agent against <em>Magnaporthe oryzae</em></td>
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<td>Dr. J.S.S. Mohan</td>
<td>Top Ciencia event in Bali, Indonesia, Bali, Indonesia</td>
<td>18-19 December 2012</td>
<td>Participant and Presentation of work</td>
<td>Evaluation of Physiological Effects of Headline 20% WG in corn (<em>Zea mays</em> L.)</td>
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<tr>
<td>Top Ciencia event in Bali, Indonesia</td>
<td>BASF, Indonesia</td>
<td>18-19 December 2012</td>
<td>Participant and Presentation of work</td>
<td>Evaluation of Physiological Effects of Headline 20% WG in groundnut (<em>Arachis hypogaea</em> L.)</td>
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<tr>
<td>Dr. K.S. Rao</td>
<td>International Conference: IAWA Pan-American Meeting, Recife, Brazil, Brazil</td>
<td>October 1-5, 2012</td>
<td>Invited Speaker</td>
<td>Cambial seasonality in tropical woody plants</td>
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<tr>
<td>Dr. T.V. Raman Rao</td>
<td>35 All India Botanical Conference &amp; National symposium on Role of Plants and Microbes for the betterment of Mankind in the changing climate, Department of Botany, M. S. University of Baroda, Vadodara</td>
<td>8-10 Dec. 2012</td>
<td>As a Chair person for one of the Technical sessions</td>
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<tr>
<td>National Seminar of Plant Physiology on Physiological and Molecular Approaches for Development of Climate Resilient Crops at</td>
<td>---</td>
<td>Hyderabad</td>
<td>12-14, Dec. 2012</td>
<td>As a Participant</td>
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<tr>
<td>Andhra Pradesh Science Congress-2012 on Innovation in Science, Technology and Mathematics (ISTAM)</td>
<td>---</td>
<td>Andhra Pradesh</td>
<td>14–16, Nov. 2012</td>
<td>As a Lead Speaker</td>
<td>Edible coatings for the improvement of postharvest quality and shelf-life of fruits and vegetables</td>
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<tr>
<td>XXVII Gujarat Science Congress</td>
<td>Charotar University of Science and Technology (CHARUSAT)</td>
<td>Changa</td>
<td>24 Feb. 2013</td>
<td>As a Participant</td>
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<tr>
<td>Refresher Course in Life Sciences</td>
<td>Department of Life Sciences, Gujarat University</td>
<td>Ahmedabad</td>
<td>19 March 2013</td>
<td>As a Resource Person</td>
<td>Microscopy as an aid in Biological Sciences Research Recent Trends in Postharvest Technology of Fruits and vegetables</td>
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<tr>
<td>Indian Science Congress</td>
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<td>Kolkata</td>
<td>3–7 Jan., 2013</td>
<td>Not attended but contributed an abstract for this event.</td>
<td>Nutritional quality of watermelon fruit of two icebox cultivars as revealed by their biochemical composition and enzyme activities.</td>
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<td>Event</td>
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<td>Date</td>
<td>Details</td>
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<tr>
<td>DAE-BRNS Life Sciences Symposium 2012 (LSS-2012) on Trends in Plant, Agriculture and Food Sciences (TIPAFS)</td>
<td>Bhabha Atomic Research Centre in Anushaktinagar, Mumbai</td>
<td>17-19 Dec. 2012.</td>
<td>I did not personally attend in these events, but my Research Students attended and presented their research findings in these events.</td>
<td>Influence of minimal processing on the physiological and qualitative properties of fresh-cut watermelon (<em>Citrullus lanatus</em> (Thunb.) Matsum. &amp; Nakai).</td>
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<tr>
<td>XXVII Gujarat Science Congress</td>
<td>Charotar University of Science and Technology (CHARUSAT), Changa</td>
<td>24 Feb. 2013.</td>
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<td>Postharvest application of composite edible coatings for extending storability and for improving the nutritional quality of carambola (<em>Averrhoa carambola</em> L.)</td>
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<tr>
<td>XXVII Gujarat Science Congress</td>
<td>Charotar University of Science and Technology (CHARUSAT), Changa</td>
<td>24 Feb. 2013.</td>
<td>---</td>
<td>Influences of postharvest chemical and heat treatments on shelf life and quality of custard apple (<em>Annona squamosa</em> L.)</td>
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<tr>
<td>National Seminar on Plant Physiology</td>
<td>---</td>
<td>Hyderabad</td>
<td>12 to 14 Dec. 2012.</td>
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<tr>
<td>35 All India Botanical Conference &amp; National symposium on Role of Plants and Microbes for the betterment of Mankind in</td>
<td>M. S. University of Baroda, Vadodara</td>
<td>8 to 10 Dec. 2012.</td>
<td>---</td>
<td>Nutritional composition and related enzyme activities of three different cultivars of muskmelon fruit during their development and ripening.</td>
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</table>
Shelf-life extension and quality improvement of fresh-cut papaya fruit by application of novel edible coatings.

Efficacy of edible coatings in quality maintenance and shelf life extension of pink fleshed guava (Psidium guajava L.) fruit.

Nutritional potential of two icebox cultivars of watermelon based on their biochemical composition and enzyme activities during development and ripening.

Quality preservation of fresh-cut ‘Naspati’ and ‘Babugosha’ pear (Pyrus communis L.) fruit using Xanthan gum and cinnamic acid

**DEPARTMENT OF CHEMISTRY**

<table>
<thead>
<tr>
<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tr>
<td>Dr. H. S. Patel</td>
<td>2nd International Science Congress</td>
<td>Bon Maharaj Engineering College</td>
<td>Vrindavan, Mathura, UP, India.</td>
<td>8th-9th Dec. 2012</td>
<td>Oral presentation</td>
<td>Synthesis, characterization and biological evaluation of asymmetrical 3, 5-disubstituted 1, 2, 4-oxadiazoles</td>
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<td>Event</td>
<td>Institution/Location</td>
<td>Date</td>
<td>Type</td>
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<tr>
<td>International Convention on Colorants”</td>
<td>Gandhinagar, Gujarat</td>
<td>8th and 9th January 2013</td>
<td>Poster presentation</td>
<td>Removal and decolorization of dye bearing textile effluents by sulfonated urea-formaldehyde resi</td>
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<tr>
<td>3rd International Conference on Advancements in Polymeric Materials”</td>
<td>CIPET Lucknow, India</td>
<td>1st - 3rd March 2013,</td>
<td>Poster presentation</td>
<td>Removal and Decolorization of Dye Bearing Textile Effluents By Sulfonated Furfural-Acetate Resin</td>
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<tr>
<td>Scientific/Research Paper Writing</td>
<td>C.I.F.E. Mumbai</td>
<td>8th-10th June 2012</td>
<td>Workshops</td>
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<tr>
<td>Polymer and protein characterization by gel permeation chromatography (GPC)</td>
<td>AIMIL LTD Ahmedabad</td>
<td>1st August 2012</td>
<td>Seminar</td>
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<tr>
<td>2nd International Science Congress</td>
<td>Bon Maharaj Engineering College Vrindavan, Mathura, UP, India.</td>
<td>8th-9th dece.2012</td>
<td>Oral presentation</td>
<td>Studies on polyimides containing epoxy residue as backbone</td>
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<tr>
<td>Bridging the through English : Education, Equity, Empowerment and Employability</td>
<td>H M Patel inst. Of English training &amp; Research VV Nagar, Gujarat (India)</td>
<td>22th-23th June 2012</td>
<td>Participant</td>
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<tr>
<td>““Advancement in polymeric materials”</td>
<td>CIPET Lucknow, India</td>
<td>1-3 March 2013</td>
<td>Poster presentation</td>
<td>Synthesis, characterization &amp; antimicrobial studies of noval coordination polymers synthesized from 2.5-bis(naphthalene-1-ylcarbamoy)terephthalicacid”</td>
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<tr>
<td>Advancement in polymeric materials</td>
<td>CIPET Ahmedabad</td>
<td>10th -12th 2012</td>
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<tr>
<td>Dr. D. I. Brahmbhatt</td>
<td>Workshop on spectroscopy Uka Tarsadiya University Surat</td>
<td>6-8th September, 2012</td>
<td>Resource person</td>
<td>13C NMR and Mass spectroscopy</td>
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<tr>
<td>Refresher course on chemistry education and applied chemistry</td>
<td>Academic staff collage M. D. S. University Ajmer</td>
<td>11-13th October, 2012</td>
<td>Resource person</td>
<td>1H, 13C and 2D NMR spectroscopy</td>
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<td>Training programme for scientists</td>
<td>SICART V.V. Nagar 5and 7 December, 2012</td>
<td>Resource person 2D NMR spectroscopy</td>
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<td>U.G.C. Refresher course</td>
<td>Academic staff collage, Gujarat University Ahmedabad 14th February, 2013</td>
<td>Resource person 2D NMR spectroscopy</td>
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<td>SANDHAN</td>
<td>BISAG Gandhinagar 26th February, 2013</td>
<td>Resource person IUPAC Nomenclature Part I &amp; II</td>
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<td>Refresher course</td>
<td>Academic staff collage M. D. S. University Ajmer 21st &amp; 22nd March, 2013</td>
<td>Resource person 13C and 2D NMR spectroscopy</td>
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<tr>
<td>Dr. N. V. Sastry</td>
<td>2nd International Symposium on Neutron Scattering BARC, Mumbai Mumbai 14 – 17th January 2013</td>
<td>Presentation of a poster Hydroteope Induced Shape Transition in Alkylpyridinium Chloride Micelles in Aqueous Media - SANS Investigations</td>
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<td>Dr. N. J. Parmar</td>
<td>Nirma Institute of Pharmacy International Conference NIPCON-2013 Nirma Institute of Pharmacy, Nirma University, Ahmedabad. Nirma University, Ahmedabad. 18th - 20th January 2013</td>
<td>Presentation of Poster Synthesis and in vitro antimicrobial evaluation of novel 2-amino-6-(phenylthio)-4-(2-(phenylthio)quinolin-3-ylypyridine-3,5-dicarbonitriles</td>
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<tr>
<td>Three day National Workshop on Frontier in Chemistry</td>
<td>Department Of Chemistry Sardar Patel University, Vallabh Vidyanagar 2-4 Feb, 2012</td>
<td>Participated ---</td>
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<tr>
<td>Two day Symposium on Innovations in Sciences Sardar Patel University Research Scholars Meet</td>
<td>Sardar Patel University Vallabh Vidyanagar 8-9 Jan, 2012</td>
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<tr>
<td>Dr. J. H. Trivedi</td>
<td>National Conference on Recent Advances in Industries and Chemical Education</td>
<td>Department of Chemistry, R. R. Mehta College of Science &amp; C. L. Parikh College of Commerce</td>
<td>Palanpur</td>
<td>2nd-3rd February, 2013</td>
<td>Participate</td>
<td>Elucidating the graft copolymerization of acrylonitrile onto Hydroxyethyl Guar Gum – presented by one of the co-authors</td>
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<td></td>
<td>International Conference on Polymers on the Frontiers of Science and Technology</td>
<td>Jointly organized by the Asian Polymer Association (APA) and the University Institute of Chemical Engineering and Technology (UICET), Punjab University</td>
<td>Chandigarh</td>
<td>21st-23rd February, 2013</td>
<td>Participate</td>
<td>Photo-Induced Grafting of Acrylonitrile onto Sodium salt of Partially Carboxymethylated Sodium Alginate: Synthesis and Characterization - presented by one of the co-authors</td>
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<tr>
<td>Dr. S. S. Soni</td>
<td>Refresher course in Chemistry/Chemical Sciences/Pharmaceutical Chemistry</td>
<td>Academic Staff College, BAMU, Aurangabad</td>
<td>Aurangabad</td>
<td>06th – 29th August 2012</td>
<td>Participant</td>
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<td>International symposium on Neutron Scattering</td>
<td>SSPD, Mumbai</td>
<td>Mumbai</td>
<td>14th – 17th January 2013</td>
<td>Poster presentation</td>
<td>SANS and 1H NMR study on Thermoreversible Aqueous Gels formed by Amphiphilic Block Copolymer</td>
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<tr>
<td>Dr. K. R. Surati</td>
<td>UGC Sponsored refresher course</td>
<td>Dr. Babasaheb Ambedkar Marathwada University</td>
<td>Aurangabad</td>
<td>6/08/2012 to 29/08/2012</td>
<td>Refresher Course</td>
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<td>Name of the Teachers</td>
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<td>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</td>
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<td>Dr. N. P. Talpada</td>
<td>National Workshop on Molecular Modeling for Drug Design</td>
<td>PURSE Program of DST-SPU, V. V. Nagar</td>
<td>V. V. Nagar</td>
<td>29/11/2012 to 30/11/2012</td>
<td>Participant</td>
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<td></td>
<td>National Conference on Recent Advances in Life Science and Chemical Science,</td>
<td>M.B.Patel Science College,</td>
<td>Anand</td>
<td>10-8-2013</td>
<td>Participant</td>
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DEPARTMENT OF COMPUTER SCIENCE

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<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</th>
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<tr>
<td>Prof. P V Virparia</td>
<td>International Conference on Recent Trends of Computer Technology in Academia</td>
<td>JRN RV University, Udaipur</td>
<td>Udaipur</td>
<td>21-23 April 2012</td>
<td>Chairman of Technical Session</td>
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<td>National Seminar SHIKHAR-2013</td>
<td>Anand Institute of Business Studies, Anand</td>
<td>Anand</td>
<td>22-03-2012</td>
<td>As a resource person delivered an expert lecture on “Information Technology”</td>
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<td>State Level IT Competitions- CogSoc-2013</td>
<td>C.P. Patel Commerce College</td>
<td>Anand</td>
<td>01-03-2013</td>
<td>As a judge in the project development competition</td>
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<tr>
<td>National Seminar IT-FUTURA-2013</td>
<td>Anand Institute of Information Science, Anand</td>
<td>Anand</td>
<td>02-03-2013</td>
<td>As a resource person delivered an expert lecture on “Data Warehouse &amp; Data Mining”</td>
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<tr>
<td>Prof. D B Choksi</td>
<td>International Conference on Recent Trends of Computer Technology in Academia</td>
<td>JRN RV University, Udaipur</td>
<td>21-23 April 2012</td>
<td>Chairman of Technical Session and also delivered an Expert Talk on Distributed Systems</td>
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<td>Workshops on Conduct of University Examinations</td>
<td>S. P. University</td>
<td>V.V.Nagar</td>
<td>21-09-2012</td>
<td>Participant</td>
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<td>State Level IT Competitions- CogSoc-2013</td>
<td>C.P. Patel Commerce College</td>
<td>Anand</td>
<td>01-03-2013</td>
<td>As a judge in the project development competition</td>
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<tr>
<td>Dr. H J Panchal</td>
<td>“3rd International Conference and Exhibition on Pharmaceuticals &amp; Novel Drug Delivery Systems”</td>
<td>Omics Group Hilton Chicago/Northbrook, USA.</td>
<td>Presentation of Paper</td>
<td>“Comparative study of data generated by structural annotation of the genome for identifying the unique parameter responsible for pathogenic property of Helicobacter pylori”</td>
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<tr>
<td>Dr. B V Patel</td>
<td>NAAC Sponsored National Level</td>
<td>12th – 13th October, 2012</td>
<td>Participant</td>
<td>Promoting use of Information Technology and advanced techniques in higher education</td>
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<td>Conference</td>
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<td>Anand Pharmacy College</td>
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<tr>
<td>Pre-Conference Workshop</td>
<td>G H Patel College of Engineering &amp; Technology</td>
<td>Vallabh Vidyanagar</td>
<td>28th February, 2013</td>
<td>Participant</td>
<td>Image and Video Exploration Techniques</td>
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<tr>
<td>Pre-Conference Workshop</td>
<td>G H Patel College of Engineering &amp; Technology</td>
<td>Vallabh Vidyanagar</td>
<td>28th February, 2013</td>
<td>Participant</td>
<td>Power Line Communication</td>
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<td>Name of the organization</td>
<td>Place</td>
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<td>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</td>
<td>Title of the Paper/Poster</td>
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<tr>
<td>Ms. J K Patel</td>
<td>3rd interactive programme on Research Methodology (all disciplines)</td>
<td>UGC academic staff college, SPU</td>
<td>VallabhVidyanagar</td>
<td>15-20 October, 2012</td>
<td>Participant</td>
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### DEPARTMENT OF ELECTRONICS

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<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tbody>
<tr>
<td>Dr.(Ms)Basumati H.Patel</td>
<td>Seminar</td>
<td>Gujarat Science Congress</td>
<td>Charsat University, Changa</td>
<td>24.02.2013</td>
<td>Poster presentation</td>
<td>Influence of the substrate temperature on the structural and optical properties of zinc indium selenide thin films deposited by flash evaporation method.</td>
</tr>
<tr>
<td>Dr.Sunil S.Patel</td>
<td>One day seminar participated in XXXVII Gujarat Science Congress Jointly organized by Charotar University of Science and Technology Changa and Gujarat Science Academy Ahmedabad on Sunday, 24th February, 2013.</td>
<td>Organized by Charotar University of Science and Technology Changa and Gujarat Science Academy</td>
<td>Changa</td>
<td>24/02/2013</td>
<td>Attended.</td>
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<td>Organizing Body</td>
<td>Date</td>
<td>Presentation Type</td>
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<tr>
<td>Dr.(Ms)Vibha S.Vaishnav</td>
<td>One Day Seminar on Current trends in Research and Applications on Physical Sciences in Gujarat ( CTRAPSG-12 )</td>
<td>Department of Physics, Sardar Patel University, Vallabh Vidyanagar</td>
<td>29 the December, 2012</td>
<td>Poster Presentation (Two Posters)</td>
<td>Study of Sensitivity and Selectivity of Thin Film Semiconductor Sensors for the detection of Volatile organic Compounds</td>
<td></td>
</tr>
<tr>
<td>Dr.(Mrs) Shahera Patel</td>
<td>Seminar on Current trends in Research and Applications of Physical Sciences in Gujarat ( CTRAPSG-12 )</td>
<td>Department of Physics &amp; Alumni association,S.P.University</td>
<td>29-12 2012</td>
<td>Presentation of Research Paper and Participant</td>
<td>Synthesis, Characterization and Gas Sensing Applications of Nanostructured ZnO</td>
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<td>XXVII Gujarat Science Congress</td>
<td>CHARUSAT University &amp; Gujarat Science Academy</td>
<td>Changa</td>
<td>24-2-2013</td>
<td>Presentation of Research Paper and Participant</td>
<td>A new design approach for the development of low cost BGA Rework Station</td>
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<td>Three Day Faculty Development Program on “NI LABVIEW and Applications”</td>
<td>ADIT, New Vidyanagar</td>
<td>12-14 Sep. 2013</td>
<td>Participation</td>
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### DEPARTMENT OF HOME SCIENCE

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<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tr>
<td>Dr. Namria Kola</td>
<td>Dynamics of Craft Development A Technopreneur Approach</td>
<td>Department of Clothing &amp; Textiles, Faculty Of Family And Community Science, M.S.University, Vadodara</td>
<td>Vadodara</td>
<td>21st &amp; 22nd Dec. 2012</td>
<td>Poster Presentation</td>
<td>Diversifying The Use Of Bhindi Yarns, Embroidery of Node Community of Bunny Region-Kutch</td>
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<td></td>
<td>International Conference on Diabetes And Its Complication</td>
<td>Charusat</td>
<td>Changa</td>
<td>8-10 Jan.2013</td>
<td>Poster Presentation</td>
<td>Formulation &amp; Sensory Attributes of Herbal Tea</td>
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### DEPARTMENT OF MATERIALS SCIENCE

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<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tr>
<td>Dr. Miss. R. H. Patel</td>
<td>Attended the XXVII Gujarat Science Congress-2013 jointly organized by CHARUSAT and Gujarat Science Academy on 24th February</td>
<td>CHARUSAT</td>
<td>Changa</td>
<td>24/02/2013</td>
<td>Participant Research paper was presented in Poster form by A.V.Hirani</td>
<td>Modification in the properties of conventional castor oil based polyurethanes using novel phosphorous containing polyurethanes</td>
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### DEPARTMENT OF MATHEMATICS

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<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tr>
<td>H.V. Dedania</td>
<td>National Seminar on “Analysis, Geometry and Applications” in this seminar.</td>
<td>Department of Mathematics, S. P. University</td>
<td>VV Nagar</td>
<td>6-7 March, 2013</td>
<td>Invited Lecture “On *-semisimplicity of $l^1(S)$”</td>
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<tr>
<td></td>
<td>International conference on Legacy of Ramanujan</td>
<td>Delhi University</td>
<td>Delhi</td>
<td>December 2012</td>
<td>Participant</td>
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<tr>
<td>Refresher Course in Mathematical Sciences (MD)</td>
<td>Academic Staff College</td>
<td>Academic Staff College, V.V.Nagar</td>
<td>Nov-19-Dec 09,2012</td>
<td>Participated</td>
<td>---</td>
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</tr>
<tr>
<td>National Seminar on “Analysis, Geometry and Applications” in this seminar.</td>
<td>Department of Mathematics, S. P. University</td>
<td>VV Nagar</td>
<td>6-7 March, 2013</td>
<td>Presented a Paper</td>
<td>Option Pricing Formulas for Fractional Polynomial Payoff Functions</td>
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<tr>
<td>A.H. Hasmani</td>
<td>Workshop on Computational Techniques of Geometry in GR and Allied Topics</td>
<td>Department of Mathematics, Aligarh Muslim University</td>
<td>Aligarh</td>
<td>November 16-20, 2012</td>
<td>Resource Person (2 Sessions)</td>
<td>Computations in GR</td>
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<tr>
<th>Event</th>
<th>Organizing/Hosting Institution</th>
<th>Location</th>
<th>Date</th>
<th>Role</th>
<th>Details</th>
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<tr>
<td>XXVII Gujarat Science Congress</td>
<td>PDP Inst. of Applied Sciences, CHARUSAT</td>
<td>Changa</td>
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<td>Participant</td>
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<tr>
<td>Seminar on Relativity and Thermoelasticity</td>
<td>Department of Mathematics RTM University</td>
<td>Nagpur</td>
<td>March 2013</td>
<td>Invited Talk (2 Talks)</td>
<td>Algebraic Computations in GR using Mathematica</td>
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<tr>
<td>National Seminar on “Analysis, Geometry and Applications” in this seminar.</td>
<td>Department of Mathematics, S. P. University</td>
<td>VV Nagar</td>
<td>6-7 March, 2013</td>
<td>Invited Talk</td>
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<tr>
<td>Teachers Training Program</td>
<td>MB Patel Education College</td>
<td>Vallabh Vidyanagar</td>
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<td>Resource person</td>
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<tr>
<td>D.J. Karia</td>
<td>Teachers Training Program</td>
<td>MB Patel Education College</td>
<td>Vallabh Vidyanagar</td>
<td>Resource person</td>
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<tr>
<td>J.M. Patel</td>
<td>Workshop VI “An Art of Problem Solving in Mathematics”</td>
<td>Department of Mathematics, S. P. University</td>
<td>VV Nagar</td>
<td>5-11, January, 2013</td>
<td>Resource Person (2 Sessions) worked as an Organizing Secretary</td>
</tr>
<tr>
<td>Refresher Course in Mathematical Sciences (MD)</td>
<td>Academic Staff College</td>
<td>Academic Staff College, V.V.Nagar</td>
<td>Nov-19-Dec 09, 2012</td>
<td>Participated</td>
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**DEPARTMENT OF PHYSICS**

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<tr>
<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tbody>
<tr>
<td>Prof. U. H. Patel</td>
<td>National Seminar on Crystallography (NSC-41)</td>
<td>CAS in Crystallography and Biophysics, University of Madras</td>
<td>Chennai</td>
<td>08/10/2012 to 10/10/2012</td>
<td>Poster</td>
<td>Syntheses, Molecular structures, Ab-initio and DFT studies of 1, 3-Dimethyl-3Hbenzoimidazol U. H Patel, Sahaj A. Gandhi, S. S. Soni and Deepali Kotadia</td>
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<tr>
<td>National Seminar on Crystallography (NSC-41)</td>
<td>CAS in Crystallography and Biophysics, University of Madras</td>
<td>Chennai</td>
<td>08/10/2012 to 10/10/2012</td>
<td>Poster</td>
<td>X-ray crystallographic investigations of aqua-bis[4-amino-N-(4,6-dimethyl-2-pyrimidinyl)benzenesulfonamide] cobalt(II)dihydrate U. H Patel and Ketankumar Purohit</td>
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<tr>
<td>National Seminar on Crystallography (NSC-41)</td>
<td>CAS in Crystallography and Biophysics, University of Madras</td>
<td>Chennai</td>
<td>08/10/2012 to 10/10/2012</td>
<td>Poster</td>
<td>Synthesis and Crystal structure of 3-[2-(3,4-Dimethoxy-phenyl)-ethyl]-2-methyl-3H-quinazoline-4-one U. H Patel , S. A. Gandhi, R. D. Modi, K. H. Chikhalia and A. C. Patel</td>
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<tr>
<td>National Seminar on Crystallography (NSC-41)</td>
<td>Chennai</td>
<td>08/10/2012 to 10/10/2012</td>
<td>Poster</td>
<td>Synthesis and X-ray crystallographic investigation of silver sulfapyridine, DMF Prof U.H Patel and Rinkesh Barot</td>
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<td>XXVII - Gujarat Science Congress 2013</td>
<td>Changa</td>
<td>24/02/2013</td>
<td>Poster</td>
<td>Ab-intio, DFT calculations and Biological studies of crystal structure 1-[3-(2-benzyloxy-6-hydroxy-4-methyl-phenyl)-5-(3,4,5-trimethoxy-phenyl)-4,5-dihydro-pyrazol-1-yl]-propane-1-one U. H. Patel, V.M. Barot, Sahaj A Gandhi, N. V. S. Varma, Rajesh D. Modh</td>
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<tr>
<td>XXVII - Gujarat Science Congress 2013</td>
<td>Changa</td>
<td>24/02/2013</td>
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<td>Prof. P. C. Vinodkumar</td>
<td>DAE symposium on Nuclear Physics</td>
<td>Delhi University</td>
<td>04-12-2012</td>
<td>presentation of Paper</td>
<td>Status of Y [10355], Y [10860], Y_b [10888] and Y[11020] bottonia like states</td>
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<td>One day workshop on Learning Outcome based Course Development</td>
<td>Knowledge Consortium of Gujarat, Dept. of</td>
<td>16-02-2013</td>
<td>Participant</td>
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<td>Education, Gov. of Gujarat.</td>
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<td>Suryamaninagar, Tripura</td>
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<td>Dr. N. K. Bhatt</td>
<td>Orientation Course</td>
<td>UGC, New Delhi</td>
<td>04-03-13 to 31-03-13</td>
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<td>Academic Staff College, Gujarat University,</td>
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<td>Refresher Course</td>
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<td>06-05-13 to 07-06-13</td>
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<td>Astrophysics (IUCAA), Pune</td>
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<td>Miss. Shraddha J. Parmar</td>
<td>International Conference on “Emerging Trends on Drug Research and Development”</td>
<td>Dhanvantary Pharmacy College</td>
<td>Kim, Surat</td>
<td>30-31 March 2013</td>
<td>Poster Presentation</td>
<td>An Overview: Differences in regulatory requirements for clinical trial conduct worldwide</td>
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<td>Dr. P. K. Rathod</td>
<td>Shareholders Value Creation and Measurement</td>
<td>Indian Accounting Association Saurashtra Branch, Department of Business Management, Saurashtra University</td>
<td>Rajkot</td>
<td>January 5-6, 2013</td>
<td>Co-chairperson</td>
<td>Issues and Challenges in Accounting and Finance</td>
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<td>S. D. School of Commerce, Gujarat University, Gujarat in collaboration with Indian Accounting Association, Gujarat (Ahmedabad) Branch</td>
<td>Ahmedabad</td>
<td>December 23, 2012</td>
<td>Chairperson</td>
<td>An overview of Infrastructure Projects in India</td>
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<tr>
<td>Dr. S. K. Bhatt</td>
<td>65th All India Commerce Conference</td>
<td>Hinduja College of Commerce</td>
<td>Mumbai</td>
<td>November 9-11, 2012</td>
<td>Presentation of Paper</td>
<td>Dimensions of Employer Branding</td>
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<tr>
<td>Dr. C. K. Sonara</td>
<td>All India Commerce Conference</td>
<td>K.P.B.hinduja College</td>
<td>Mumbai</td>
<td>9-11 Nov.</td>
<td>Participant</td>
<td>Challenges and Perspectives of Integrated Reporting in Public Sector</td>
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<td>All India Accounting Conference</td>
<td>Atmiya Institute</td>
<td>Rajkot</td>
<td>6-7 Jan</td>
<td>Participant</td>
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<tr>
<td>Dr. R. M. Joshi</td>
<td>National Seminar</td>
<td>I.B.Patel college of Commerce</td>
<td>Nadiad</td>
<td>6th oct.,2012</td>
<td>Presentation of paper</td>
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<td>Mumbai</td>
<td>9-11 Nov.</td>
<td>Presentation of Paper</td>
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<td>K.P.b.Hinduja College</td>
<td>9-11 Nov.</td>
<td>Dimensions of Employer Branding</td>
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<tr>
<td>Dr. Y. M. Dalwadi</td>
<td>International Seminar on Accounting Education And Research and 35th All India Accounting conference</td>
<td>Department of Business Management (MBA Programme) Saurastra University, Rajkot</td>
<td>January 5-6, 2013</td>
<td>Participants and Reporters Impact of ‘Investment Planning for young investors’ workshop on College Students: A Study of Anand District College Students</td>
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<td>International Seminar on Accounting Education And Research and 35th All India Accounting conference</td>
<td>Department of Business Management (MBA Programme) Saurastra University, Rajkot</td>
<td>January 5-6, 2013</td>
<td>Participants and Reporters Financial Instruments: Disclosures (As-32) - A Study of Disclosure by Selected Information Technology Companies of India</td>
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<td>Name of the Teacher</td>
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<td>Prof. D. R. Dave</td>
<td>Understanding the Indian Rural consumer</td>
<td>Department of Business Management</td>
<td>Vallabh Vidyanagar</td>
<td>17,18 Feb. 2012.r</td>
<td>Prof. Darshana R. Dave</td>
<td>Utilization of health care facilities by rural women with respect to obstetric health care practice: A study of rural Area of Anand</td>
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<td>Dr. R.M. Rathod</td>
<td>Two Days National level Conference on Two Days National level Conference</td>
<td>P.G. Department of Economics Vallabh Vidyanagar</td>
<td>2-3 November 2012</td>
<td>Presented paper</td>
<td>Status of Human Development in Gujarat: Issues and Challenges</td>
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<td>National Level Seminar on Understanding Indian Rural Consumers</td>
<td>G.H. Patel P.G. Department of Business Management Vallabh Vidyanagar</td>
<td>2nd February 2013</td>
<td>Presented paper</td>
<td>Role of Movie Review: A Study with reference to rural and urban youth</td>
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<td>A Comparative study on effectiveness of Celebrity endorsers and Customers’ intention to buy amongst rural and urban consumers</td>
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<td>Dr. A.C. Mehta</td>
<td>Entrepreneurship &amp; Human Resource Development</td>
<td>Organised by the centre for Entrepreneurship Development (CED), Gandhinagar and F H Shah Institute of Management and Information Technology, Anand</td>
<td>3/1/2013</td>
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<td>Business Ethics and Corporate Governance</td>
<td>C.K.Shah Vijapur Wala Institute of Management - Vadodara</td>
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<td>18th - Jan-2013</td>
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<td>HR-Convetion – “Shaping A Futuristic HR: Trajectory towards high performance</td>
<td>Anand Institute of Social Works, Anand</td>
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<td>22nd - Jan-2013</td>
<td>Expert Role of HR towards productivity</td>
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<td>Challenges in Management Disciplines</td>
<td>Anand Institute of Management, Anand</td>
<td>Anand</td>
<td>28th - March-2013</td>
<td>Chairperson Management Traps and how to overcome them.</td>
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**DEPARTMENT OF ECONOMICS**

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<tr>
<td>Nanda Patel</td>
<td>Human Development</td>
<td>U G C Sponsored, P G Department of Economics S P University</td>
<td>Deptt. of Economics, VV Nagar</td>
<td>November 1 and 2, 2013</td>
<td>Participation of Paper</td>
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<td>Women Empowerment</td>
<td>Women Cell</td>
<td>S P University</td>
<td>Oug. 28 2012</td>
<td>Rapporteur’s Report</td>
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<td>Employment policy</td>
<td>Gujarat Economic Conference</td>
<td>N S Patel Arts Collage Anand</td>
<td>Feb. 1, 2, 3, 2013</td>
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<td>workshop on “Budget Analysis Tribal Culture and Rights</td>
<td>Bhasha Kendra, Tejgadh, Ta-Chhota Udepur, Tejgadh, 14th - 15th September 2012, Participation ---</td>
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<td>Human Development in Gujarat”</td>
<td>P.G. Department of Economics V.V. Nagar, 1st - 2nd November 2012, Participation ---</td>
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<td>Development (New Series)</td>
<td>Eighth IIDS (Australia) - IIMS International Conference on Development at Bangkok, Thailand, Bangkok, 17th - 20th December 2012, Presentation of Paper, Industrial Development in Gujarat: A study on Growth and Performance of Small Scale Industries (SSI)”</td>
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<td>Social inclusion &amp; Social Protection in Gujarat</td>
<td>N.S. Patel Arts College, Anand, 1st and 3rd February 2013, Presentation of Paper, paper on “Social Security in India</td>
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<td>Dr. Ambedkar: The inspirer of Social Reform</td>
<td>Dr. Babasaheb Ambedkar Adhyayan Ekam Prakalp (Chair) and Gujarat Sociological Society, V.V. Nagar, 27-02-2013, Presentation of Paper, Economic thought Dr. B.R. Ambedkar</td>
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<td>Globalization and Co-operative sector in India</td>
<td>Department of Economics V.N.S. Uni. Surat., 15th and 16th March 2013, Presentation of Paper, Sugar Industry in Gandhara Village</td>
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<td>First Dr. Veghese Kurien Memorial lecture on delivered by Prof. M.S. Swaminathan, on at IRMA, Anand</td>
<td>IRMA, Anand</td>
<td>November 26, 2012</td>
<td>Attended</td>
<td>The Cooperative Pathway of Enhancing Rural Livelihood and Nutritional Security</td>
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<tr>
<td>Manish Patel</td>
<td>Attended National seminar on Human Development in Gujarat”</td>
<td>Department of Economics, S.P. University</td>
<td>2nd NOV-2012</td>
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<td>43rd Annual Conference of Gujarat Economics Association</td>
<td>N.S. Patel Arts College, Anand</td>
<td>1st and 3rd February 2013</td>
<td>presentation of Paper</td>
<td>Social Security in India</td>
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<td>ICCSSR Supported National seminar</td>
<td>Department of Economics, VNSGU, Surat</td>
<td>15-16th march-2013</td>
<td>presentation of Paper</td>
<td>Sugar Industry</td>
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**DEPARTMENT OF HISTORY**

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<tr>
<td>Prof. Jigish M. Pandya</td>
<td>Women in Indian freedom movement (UGC sponsored national seminar)</td>
<td>N S Patel Arts College</td>
<td>Anand</td>
<td>25th &amp; 26th Aug. 12</td>
<td>Work as a Chairperson</td>
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<td>Educational Importance of the historical Places of Gujarat (UGC sponsored State level seminar)</td>
<td>Y.S. Arts College</td>
<td>Devgard Baria</td>
<td>21st Sept. 12</td>
<td>Delivered and expert talk on</td>
<td>Importance of Baroda Musium Akshardham for the study of History of Gujarat</td>
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<tr>
<td>Port towns of Gujarat (International Symposium)</td>
<td>Darshak Itihas Nidhy</td>
<td>Daman</td>
<td>14, 15 &amp;16 Des. 12</td>
<td>Participated as a</td>
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<tr>
<td>Gujarat Itihas Parisad</td>
<td>CERLIP</td>
<td>V.V.Nagar</td>
<td>11th &amp;12th Jan.12</td>
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<tr>
<td>Sardar Patel : Unification of India (Local level Symposium)</td>
<td>Sardar Patel Chair and Dept. of History</td>
<td>S.P. Uni. V.V.Nagar</td>
<td>26th Feb.12</td>
<td>Chair on one</td>
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<td>Academic Section</td>
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<td>Indian Diaspora in Various Perspectives”</td>
<td>Centre for Indian Diaspora Dept. of Sociology</td>
<td>S.P. Uni. V.V.Nagar</td>
<td>11th &amp;12th March 13</td>
<td>Participated</td>
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Dr. Hamant Dave

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<td>Darshak Itihas Nidhi</td>
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<td>14-16 Des. 12</td>
<td>Attendance</td>
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<td>National Conference on Ramayana</td>
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<td>Mahuva</td>
<td>22 – 24 July 12</td>
<td>Resource Person</td>
<td>Ramayana: An Archaeological Perspective</td>
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<tr>
<td>Women’s Texts and Historiography</td>
<td>Uni. of Delhi</td>
<td>Delhi</td>
<td>19-20 Feb.13</td>
<td>Paper presentation</td>
<td>Women’s Writing in Gujarati: A Historical Perspective</td>
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<td>Orientation Programme for Translators in Gujarati</td>
<td>N.T.M. CIIL,</td>
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<td>Problems of translation of History texts</td>
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<td>Gujaratma kala na pagran</td>
<td>CVM college of fine arts &amp; Guj. Raiya Lalitkala Akadmi</td>
<td>V.V.Nagar</td>
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<td>Changing conceptions of Gujarat</td>
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<td>Korzybski, General Semantics and literary Theory</td>
<td>B.K.P. Centre for General Semantics, Sahitya Parisad Sahitya Akademi Gujarat</td>
<td>Amdavad</td>
<td>25/12/12</td>
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<td>Korzybski and his non Aristotelian Approach</td>
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### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

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<td>Prof. U. A. Thaker</td>
<td>Preparing new generation librarians for meeting future challenges</td>
<td>Adinet &amp; Inflibnet</td>
<td>Ahmedabad</td>
<td>7th August 2012</td>
<td>Resource person</td>
<td>Preparing new generation librarians for meeting future challenges</td>
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<td>GSLET Workshop</td>
<td>UGC GSLET</td>
<td>Baroda</td>
<td>June-2012 November-2012</td>
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<td>Minor Major Research Project Guidance</td>
<td>KCG</td>
<td>Godhara</td>
<td>July - 2012</td>
<td>Research Person</td>
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<td>Dr. N. D. Oza</td>
<td>Preparing new generation librarians for meeting future challenges</td>
<td>ADINET &amp; INFLIBNET</td>
<td>Ahmedabad</td>
<td>7th August 2012</td>
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### DEPARTMENT OF SOCIAL WORK (MSW)

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<td>Dr. S.D.Mishra</td>
<td>Managing Marketing Opportunities, Challenges, Strategies for Sustainable growth in Current scenario</td>
<td>Shri D.N. Institute of Business Administration</td>
<td>Anand</td>
<td>27/10/2012</td>
<td>Paper presentation</td>
<td>HR Marketing issues and challenges in current scenario</td>
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<td>Emerging issues in competitive business environment</td>
<td>I.V.Patel College of Commerce</td>
<td>Nadiad</td>
<td>6/10/2012</td>
<td>Effective implementation of Total quality management in organization</td>
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<td>Refresher course on Advanced Research Methodology</td>
<td>UGC Academic Staff College, SPU</td>
<td>Vallabh Vidyaganagar</td>
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<td>DR. Mrs. Bigi Thomas</td>
<td>National Seminar on Human Development</td>
<td>Department of Economics, Sardar-Patel University, Gujarat</td>
<td>November 1-2, 2012</td>
<td>Presentation of paper Gender Aspects in Human Development: Evidences from a Tribal District of Gujarat State</td>
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<td>International Seminar on Indian Diaspora in Various Perspectives</td>
<td>Centre for Indian Diaspora, Sardar Patel University</td>
<td>Anand</td>
<td>12/3/2013</td>
<td>Presentation of paper Migrating Husbands and Left Behind Wives in Kerala</td>
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<tr>
<td>State Level Seminar on Changing face of HR: Challenges before HR Professionals</td>
<td>Department of Social Work, Sardar -Patel University, Gujarat</td>
<td>Anand</td>
<td>2nd March, 2013</td>
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<td>Refresher Course in Human Rights</td>
<td>Academic Staff College, Gujarat Vidyapith</td>
<td>Ahmedabad</td>
<td>4/2/2013-24/2/2013</td>
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<td>Mrs. Nisha Sangwan</td>
<td>Workshop-Sixth South-South Citizenry Based Development sub-Academy (SSCBDA)</td>
<td>All India Disaster Mitigation Institute, Bhuvneshwar Odisha</td>
<td>December 9-13, 2012</td>
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<td>National UGC sponsored seminar on – Human Rights &amp; contemporary challenges</td>
<td>Dept.of social Work, Sardar Patel University, Vidyanagar</td>
<td>Feb-2013</td>
<td>Paper Presentation</td>
<td>Human Rights And Environment</td>
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<td>Ms. Punam Singh Two Days workshop on – Core HR Practice &amp; Application of Labor Laws</td>
<td>Dept. of Social Work, Vidyanagar</td>
<td>27 &amp; 28 Feb-2013</td>
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<td>Dr. S.R. Prabakar Liberating learning</td>
<td>Prajnam, Ahmedabad</td>
<td>June 2013</td>
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<td>Value education from womb to infancy</td>
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<td>Workshop on Advanced Research</td>
<td>Gujarat Vidyapith</td>
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<td>Improving the quality of education</td>
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<td>SPU, DPT Social Work, Anand</td>
<td>Jan 2013</td>
<td>Chair Presentation</td>
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<td>Gujarat State Level Meeting</td>
<td>M.A. Narmavala, Director, Scheduled Caste Welfare, Gujarat State, Gandhinagar</td>
<td>Circuit House, Anaxy, Ahmedabad</td>
<td>11/04/2012</td>
<td>State Review Representative</td>
<td>Organized Gujarat State Level Meeting</td>
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<td>Review Committee</td>
<td>National Commission for Schedule Castes and Sardar Patel University</td>
<td>M.P. Patel Auditorium, Vallabh Vidyanagar</td>
<td>19/04/2012</td>
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<td>Review Meeting in connection with the Reservation Policy at Sardar Patel University, Vallabh Vidyanagar</td>
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<tr>
<td>State Level Seminar</td>
<td>BAMCEF, Gujarat State, Mandali, Ta. Mansa, Dist. Gandhinagar</td>
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<td>19/05/2012</td>
<td>Chief Guest</td>
<td>State Level Seminar on Thinking of Society State Level Conference The All India Backward and Minority Communities Employed Federation, Gujarat Branch</td>
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<tr>
<td>Sanman Samiti - Dr. Rameshchandra Parmar Sanman Samaroh</td>
<td>Gujarat State Dalit Civil Society, Ahmedabad</td>
<td>Dr. Babasaheb Ambedkar Hall, Saraspur, Ahmedabad</td>
<td>03/06/2012</td>
<td>State Convener</td>
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<td>Orientation Programme</td>
<td>Shri D.N. Institute of PG Studies in Commerce, Anand</td>
<td>04/10/2012</td>
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<td>One-Day Orientation on UGC GSET/NET Examination</td>
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<td>Gujarat State Conference</td>
<td>BAMSEF (Gujarat Satate)</td>
<td>21/10/2012</td>
<td>Chief Guest of Inauguration Function</td>
<td>Gujarat State First Conference</td>
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<td>A Meeting with the Political Counsellors of Germany and France</td>
<td>Gaurav Sharma, Political Advisor on behalf of German Embassy, New Delhi.</td>
<td>04/12/2012</td>
<td>Participated</td>
<td>A meeting with the Political Counselors of Germany and France on behalf of the German Embassy to assess the situation on the ground before the upcoming Gujarat elections 2012.</td>
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<td>Member Advisory Committee Meeting</td>
<td>Centre for Social Studies Sponsored by ICSSR (MHRD, Govt. of India)</td>
<td>18/01/2013</td>
<td>Participated</td>
<td>Advisory Committee Meeting on ICSSR Sponsored Research Project Title Educational Status of Scheduled Caste: Achievement and Challenges</td>
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<td>Research Expert Lecture</td>
<td>Centre for Social Studies Sponsored by ICSSR (MHRD, Govt. of India)</td>
<td>31/01/2013</td>
<td>Research Expert</td>
<td>Social Science Centre, St. Xaviers College, Navrangpura, Ahmedabad</td>
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<td>Workshop</td>
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<td>16/02/2013</td>
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<td>LDRP Institute of Research &amp; Technology, Gandhinagar</td>
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<td>Workshop</td>
<td>Project Director, Dr. Arjun Patel, Center for Social Studies, Surat</td>
<td>17/02/2013</td>
<td>Subject Expert</td>
<td>Praudh Sikshan Department, Seminar Hall, Gujarat Vidyapith, Ahmedabad</td>
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<td>International Conference</td>
<td>Gujarat Vidyapith, Central University of Gujarat &amp; McMaster University, Canada</td>
<td>21-23 February, 2013</td>
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<td>State Level Seminar</td>
<td>Gujarat Sociology Conference in collaboration with Dr. Babasaheb Ambedkar</td>
<td>Senate Hall, Sardar Patel University, Vallabh Vidyanagar</td>
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<td>Dr. Ambedkar: Advocate of Social Reforms</td>
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<td>International Seminar</td>
<td>Centre for Indian Diaspora, Sardar Patel University, Vallabh Vidyanagar</td>
<td>Senate Hall, Sardar Patel University, Vallabh Vidyanagar</td>
<td>11/03/2013</td>
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<td>Indian Diaspora in Various Perspectives”</td>
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<td>In Collaboration with Faculty of Social Work and District Backward Classes Welfare Class Welfare Officer, Vadodara</td>
<td>Faculty of Social Work, M.S. University, Baroda</td>
<td>16, 17th March, 2013</td>
<td>Session Chairman</td>
<td>Seminar on the Effective Implementation of Scheduled Caste/Scheduled Tribes (Prevention of Atrocities) Act 1989 and the Civil Rights Act.”</td>
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<td>Place</td>
<td>Date</td>
<td>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</td>
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<td>Dr. P. S. Suvera</td>
<td>UGC Sponsored Refresher Course in Research Methodology in Social Science</td>
<td>Academic Staff College, Gujarat University</td>
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<td>Budget Analysis, Tribal Culture and rights</td>
<td>Akhil Gujarat College and University Adivasi Teacher Association, Student counseling center &amp; Pathey</td>
<td>Tejgadh, Ta. Chhota-Udepur</td>
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<td>ICSSR Sponsored National Seminar on Tribal Development : Perspectives and Issues</td>
<td>Department of Sociology and Social Anthropology, Gujarat Vidyapith</td>
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<td>Emotional Maturity : A Comparative Study of Tribal and Non-Tribal College Students</td>
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<td>State level seminar on Dr. Ambedkar : The Inspirer of Social Reform”</td>
<td>Dr. Babasaheb Ambedkar Chair S.P.Uni. &amp; Gujarat Sociological Society</td>
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<td>Encouragement of Women Empowerment by Ambedkar</td>
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<td>UGC &amp; ICMR Sponsored National Seminar in Collaboration with IAAP &amp; RPA on Old Age</td>
<td>Department of Psychology, Jai Narain Vyas University</td>
<td>Jodhpur (Rajasthan)</td>
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<td>Psychological Well-Being : A Study of Non-Institutionalized aged</td>
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<td>National Seminar on Positive Schooling- Need for an Hour</td>
<td>Post Graduate Diploma in Counseling Psychology Gujarati University</td>
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<td>Psychological Well-Being: A Comparative Study of Sahayak and Permanent School Teachers</td>
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<tr>
<td>National Seminar on Positive Schooling- Need for an Hour</td>
<td>Post Graduate Diploma in Counseling Psychology Gujarati University</td>
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<tr>
<td>Dr. S.M. Makavana</td>
<td>Science research and development</td>
<td>KOLKATA Capital of W.B.State</td>
<td>3 to 7 January-2013</td>
<td>Paper presentation</td>
<td>A study of School Students among School environment in different school</td>
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<td>The 99th ISCA, Kolkata-700017</td>
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<td>Indian Parliamentary system and Democracy</td>
<td>P.G. Department of Political Science</td>
<td>Humanities buil.</td>
<td>23-24-Feb-2012</td>
<td>Paper Presentation</td>
<td>Psychological democracy Among M.P. and M.L.A’s</td>
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<tr>
<td>Dr. Babasaheb Ambedkar and Social justice</td>
<td>Dr. B.R. Ambedkar Chair S.P. University &amp; Gujarat Sociological Society</td>
<td>Humanities buil.</td>
<td>27-02-2013</td>
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# DEPARTMENT OF SOCIOLOGY

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<tr>
<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tr>
<td>Dr. J.M. Trivedi</td>
<td>Education of SC/ST: problems and challenges</td>
<td>ICSSR</td>
<td>Surat</td>
<td>4-7-12</td>
<td>Resource person</td>
<td>Cultural pluralism among Indian immigrants living in USA</td>
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<td>XXXVIII all India sociological conference</td>
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<td>Udaipur</td>
<td>27-29-12-12</td>
<td>Paper presentation</td>
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<td>National seminar on tribal development: perspective and issues</td>
<td>ICSSR</td>
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<td>23-24-02-13</td>
<td>Chair person</td>
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<td>Dr. P.M. Parmar</td>
<td>Impact of Indian Diaspora-NRG</td>
<td>Dept. of Sociology</td>
<td>SPU</td>
<td>9-10-2-12</td>
<td>Participant</td>
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<td>Indian political system and challenges</td>
<td>Dept. of political Sci.</td>
<td>SPU</td>
<td>17-18-8-13</td>
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<td>Indian diaspora in India &amp; Abroad</td>
<td>Dept. of Sociology</td>
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<td>17-18-9-13</td>
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<td>Dr. R.M. Makwana</td>
<td>International seminar</td>
<td>Dept. of Sociology</td>
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<td>11-12-3-13</td>
<td>Paper presentation</td>
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<td>Problems &amp; Prospectus of Indian diaspora</td>
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**DEPARTMENT OF ENGLISH**

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<th>Place</th>
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<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
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<tr>
<td>Dr J H Khan</td>
<td>LVII All India English Teachers’ Conference</td>
<td>Department of English, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>21 to 23 Dec 2012</td>
<td>Local Secretary and Participant</td>
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<td>International Conference of Academic Institutions (ICAI) organized by the Department of Education, Government of Gujarat under Vibrant Gujarat 2013 Summit</td>
<td>Pandit Deendayal Petroleum University</td>
<td>Gandhinagar</td>
<td>9 Jan 2013</td>
<td>University Nominee</td>
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<td>UGC-Sponsored International Seminar on Indian Diaspora in Various Perspectives</td>
<td>Department of Sociology, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>11 Mar 2013 to 12 Mar 2013</td>
<td>Chaired a Session</td>
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<td>Fourth National Roundtable on Literary Representation of Social Change in Novels and Plays in Gujarati, Hindi, and Indian English Literatures (2003 to 2013) under UGC SAP-DRS (Phase-II)</td>
<td>Department of English, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>18 to 19 Mar 2013</td>
<td>Directed</td>
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<tr>
<td>Dr R K Mandalia</td>
<td>LVII All India English Teachers’ Conference.</td>
<td>Department of English, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>21 to 23 Dec 2012</td>
<td>Coordinator and Participant</td>
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<td>National Seminar on Dalit Literature</td>
<td>Arts and Commerce College</td>
<td>Unjha (NG)</td>
<td>Feb 2013</td>
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<td>Aesthetics of Dalit Literature</td>
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<td>Fourth National Roundtable on Literary Representation of Social Change in Novels and Plays in Gujarati, Hindi, and Indian English Literatures (2003 to 2013) under UGC SAP-DRS (Phase-II)</td>
<td>Department of English, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>18 to 19 Mar 2013</td>
<td>Co-Coordinator and Sessional Chair</td>
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<td>LVII All India English Teachers’ Conference. (Dr P J Dave)</td>
<td>Department of English, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>21 to 23 Dec 2012</td>
<td>Co-Coordinator and Participant</td>
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<tr>
<td>Dr P J Dave</td>
<td>Fourth National Roundtable on Literary Representation of Social Change in Novels and Plays in Gujarati, Hindi, and Indian English Literatures (2003 to 2013) under UGC SAP-DRS (Phase-II)</td>
<td>Department of English, Sardar Patel University</td>
<td>Vallabh Vidyanagar</td>
<td>18 to 19 Mar 2013</td>
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<tr>
<td>Mr M R Solanki</td>
<td>LVII All India English Teachers’ Conference.</td>
<td>Department of English, Sardar Patel University</td>
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<td>21 to 23 Dec 2012</td>
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<td>UGC-Sponsored National Seminar on Community, Culture and Literature in Post-Independence India</td>
<td>Arts, Science and Commerce College,</td>
<td>Lunawada</td>
<td>31 Jan 2013 to 02 Feb 2013</td>
<td>Presentation of a Paper</td>
<td>Shifting Terrains: Minority Identity, Majoritarian Community and Secular Ethos in Indian English Fiction</td>
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<td>Dr. Pinakini Pandya</td>
<td>Uttar Gujaratna lokgeeto Vividh Sandharbhe (State level Seminar)</td>
<td>Zaverchand Meghani Lokshahitya Kendra Ane Arts College</td>
<td>Disa</td>
<td>17/9/12</td>
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<td>Uttar Gujaratni LokKatha : SampadanAne SanShodhan (State level Seminar)</td>
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<td>D.N.P. college, Disa</td>
<td>15/2/13</td>
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<td>Gujarati Pravas Sahitya (State Level Seminar)</td>
<td>Gujarati Sahitya Akademi</td>
<td>Arts College Godhra</td>
<td>Dec/2012</td>
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<td>Baroda</td>
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<td>Dr. M.M. Sharma</td>
<td>Translation Workshop</td>
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<td>23/09/12</td>
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</tr>
<tr>
<td></td>
<td>Ugc Seminar On Mythology</td>
<td>UGC – Insti. M.S.U. Baroda</td>
<td>13/01/13</td>
<td>Participation</td>
<td>---</td>
<td></td>
</tr>
<tr>
<td>Dr. H.M. Parmar</td>
<td>National Seminar</td>
<td>And. Insti. of P.G Anand</td>
<td>30/12/12</td>
<td>Participation &amp; Peper Presentation</td>
<td>Usha Priyamvada Ka Upanyas Sahitya</td>
<td></td>
</tr>
</tbody>
</table>
### DEPARTMENT OF SANSKRIT

<table>
<thead>
<tr>
<th>Name of the Teachers</th>
<th>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</th>
<th>Name of the organization</th>
<th>Place</th>
<th>Date</th>
<th>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</th>
<th>Title of the Paper/Poster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Niranjan Patel</td>
<td>Gyanansatra National Seminar</td>
<td>Nalini Arvind Arts College</td>
<td>V.V. Nagar</td>
<td>---</td>
<td>Participant</td>
<td>Gitama Pratibimbit Manav</td>
</tr>
<tr>
<td>Dr. Prafull Joshi</td>
<td>Gyanansatra</td>
<td>Nalini Arvind Arts College</td>
<td>V.V. Nagar</td>
<td>---</td>
<td>Resource Person</td>
<td>---</td>
</tr>
<tr>
<td>Dr. Mahesh Patel</td>
<td>Gyanansatra</td>
<td>Nalini Arvind Arts College</td>
<td>V.V. Nagar</td>
<td>---</td>
<td>Participant</td>
<td>---</td>
</tr>
</tbody>
</table>

### (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 IA 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

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Department</th>
<th>Name &amp; Address of the experts/eminent persons invited</th>
<th>Topics/Subject of Lectures delivered</th>
<th>Date of Lecture/S arranged</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Physics</td>
<td>Dr Sujit K Basu, Sr Scientist, Space Application Ceruns, Isro, Ahmedabad</td>
<td>Oceanographic Physics Studies in modelins</td>
<td>08/12/2011 (1 Lects.)</td>
</tr>
<tr>
<td>No.</td>
<td>Discipline</td>
<td>Lecturer/Institution</td>
<td>Topic</td>
<td>Date/Duration</td>
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<tr>
<td>2</td>
<td>Biosciences</td>
<td>Dr Harish Kumar M, Department of Psychology, Miyaraki Medical College, Kihara 5200, Kyotakicho Miyazaki - 88916292 (Japan)</td>
<td>'Spontaneous synthesis of surface/buried layers by ion implantation for semiconductor devices'</td>
<td>01/12/2011 (1 Lect.), 02/12/2011 (1 Lect.)</td>
</tr>
<tr>
<td>3</td>
<td>Chemistry</td>
<td>Dr Ravi Ranjan Panday, National Physical Laboratory, Dr K S Krishnan Road, New Delhi -110 012</td>
<td>Importance of Nanotechnology in technological etc</td>
<td>13/02/2012 (2 Lect.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr U H Pandya, Dy Managar, Excl Crop Care Ltd Bhavnagar</td>
<td>Good Laboratory Practices</td>
<td>22/02/2012 (2 Lect.)</td>
</tr>
<tr>
<td>4</td>
<td>Materials Science</td>
<td>Dr H C Bajaj, MS University, Vadodara</td>
<td>Carbon Nanomaterials</td>
<td>30/09/2011 (1 Lects.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Dr P M Raole, IPR, Gandhinagar</td>
<td>Materials Characterization Technician</td>
<td>30/09/2011 (1 Lect.)</td>
</tr>
<tr>
<td>5</td>
<td>Statistics</td>
<td>Prof Tushar N Desai, Associate Professor in Mechanical Engineering Department, SVNIT, Surat</td>
<td>Total Quality Management-Concepts Implementation as well as the case study on it</td>
<td>12/10/2011 (2 Lects.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Mr K V Palanichamy, Director- Biostatistics and Statistical Programming In Research Data and Technologies (Pvt) Ltd., Koba- Village, Gandhinagar -382 007</td>
<td>Career with Biostatistics</td>
<td>30/12/2011 (2 Lects.)</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Career in SAS Programming</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Business Studies</td>
<td>Dr Sanjay Bhayani, Associate Professor, MBA Department, Saurashtra University, Rajkot</td>
<td>Corporate Governance: An Overview</td>
<td>28/09/2011 (2 Lects.)</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Corporate Governance and Audit Committee</td>
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<td></td>
<td>Dr N M Khandelwal, Retd Professor &amp; Head, Department of Commerce, Saurashtra University, Rajkot</td>
<td>Strategic Management Accounting for Decision Making</td>
<td>26–28 Dec 2011 (3 Lects.)</td>
</tr>
<tr>
<td>7</td>
<td>Gujarati</td>
<td>Dr Shantilal Acharya, Jamnagar</td>
<td>Boli Vigyan</td>
<td>23/09/2011 (2 Lects.)</td>
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<td></td>
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<td></td>
<td>Bhash Vigyan na Sansodan</td>
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<tr>
<td>No.</td>
<td>Subject</td>
<td>Instructor/Presenter</td>
<td>Institution/Company/Location</td>
<td>Date/Duration</td>
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</tr>
<tr>
<td>1</td>
<td>Public Finance</td>
<td>Dr Satish Vyas, Ahmadabad</td>
<td>Kam Makanji kiya Chalya Sitanshu</td>
<td>18/02/2012</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Yaschardra Likhit Natyakrutini</td>
<td>(2 Lects.)</td>
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<td></td>
<td>Visharstao thatha akrutima asitavvadni charcha</td>
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<tr>
<td>2</td>
<td>Public Finance</td>
<td>Dr Vinod Joshi, Professor, Bhavnagar University, Bhavnagar</td>
<td>Sahity and Kala na Sandrba Anya</td>
<td>27/12/2012</td>
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<td></td>
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<td></td>
<td>kalao and Sahitynikala</td>
<td>(2 Lect.)</td>
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<td>Sahityma Rasprkiyano sandrba Anya kalao and Sahityni kala</td>
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</tr>
<tr>
<td>3</td>
<td>Public Finance</td>
<td>Dr Shirish Panchal, Vadodara</td>
<td>Vevachani paribhash and Gujarati</td>
<td>23/02/2012</td>
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<td>Vevachan</td>
<td>(1 Lects.)</td>
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<tr>
<td>4</td>
<td>Computer Science</td>
<td>Mr Nauzad Kapadia, Quartz System, Mumbai</td>
<td>NET Technology</td>
<td>21–22 Oct 2011</td>
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<tr>
<td></td>
<td>Technology</td>
<td></td>
<td>(3 Lects.)</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Computer Science</td>
<td>Shri Dipak Ray, 28 Subhadra Park</td>
<td>Emergins Trends in IT</td>
<td>07/02/2012</td>
</tr>
<tr>
<td></td>
<td>Technology</td>
<td>B/h Utkarsh Vidyalaya, Race Course Vadodara - 390 007</td>
<td>(1 Lect.)</td>
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<tr>
<td>6</td>
<td>Economics</td>
<td>Dr Kartik M Bhatt, Professor, Gujarat University, Ahmedabad</td>
<td>Monetary Equilibrium Classical and</td>
<td>02/01/2012 &amp;</td>
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<td></td>
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<td></td>
<td>Neoclassical</td>
<td>03/01/2012</td>
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<td></td>
<td>Monetary Equilibrium: Modern ISLM</td>
<td>(3 Lects)</td>
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<td></td>
<td>Monetary Equilibrium: Walara's and patinlkin's</td>
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</tr>
<tr>
<td>7</td>
<td>Economics</td>
<td>Dr H J Mehta, Department of Economics, M R Arts and</td>
<td>Meaning, Types of Public Debt.</td>
<td>02/01/2012 &amp;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Science college, Rejpila, D- Narmada</td>
<td>Effects of Public Debt.</td>
<td>03/01/2012</td>
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<td></td>
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<td></td>
<td>Methods of Repayment of Public Debt.</td>
<td>(3 Lects.)</td>
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<td></td>
<td>Trends in public Debt in India</td>
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<tr>
<td>8</td>
<td>Computer Science</td>
<td>Dr R A Joshi, Department of Economics, Saurashtra</td>
<td>Financins Rural Development</td>
<td>31/01/2012</td>
</tr>
<tr>
<td></td>
<td>Technology</td>
<td>University, Rajkot</td>
<td>(1 Lect.)</td>
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<td>9</td>
<td>Economics</td>
<td>Dr M K Patel, Department of Commerce, Bhavnagar</td>
<td>Management Structure of Co-operatives</td>
<td>31/01/2012</td>
</tr>
<tr>
<td></td>
<td></td>
<td>University, Bhavnagar</td>
<td>(2 Lect.)</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>MBA</td>
<td>Dr Ram Krishna Vyas, Professor, International Institute of</td>
<td>Strategic Banking Management</td>
<td>24–26 Dec 2012</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Professional Studies, Devi Ahilys University, Indore (MP)</td>
<td>Strategic Management</td>
<td>(3 Lects.)</td>
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<td></td>
<td>Strategic Financial Management</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Mathematics</td>
<td>Prof S K Vaidya, Department of Mathematics</td>
<td>Graph Theory: Introduction and Applications</td>
<td>06/03/2012</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Saurashtra University, Rajkot</td>
<td>(2 Lects.)</td>
<td></td>
</tr>
</tbody>
</table>
(B) UGC SCHEMES

(I) GRANT SANCTIONED BY THE UNIVERSITY GRANTS COMMISSION, 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:-

<table>
<thead>
<tr>
<th>Sr. No.</th>
<th>Name of the Teacher</th>
<th>Title of the Project</th>
<th>Period</th>
<th>(Lacs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr L M Manocha</td>
<td>Development............. nano-composites (30284)</td>
<td>01/07/2011 to 30/06/2014</td>
<td>8.50</td>
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<tr>
<td>2.</td>
<td>Dr (Miss) R H Patel</td>
<td>Studies on flame ........ resin system (30201)</td>
<td>01/07/2011 to 30/06/2014</td>
<td>9.69</td>
</tr>
<tr>
<td>3.</td>
<td>Dr M N Patel</td>
<td>Evaluation of ..................... ........metallonucleases (30323)</td>
<td>01/07/2011 to 30/06/2014</td>
<td>8.51</td>
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<tr>
<td>4.</td>
<td>Dr N V Sastry</td>
<td>Nanoaggregates.... hydrogeis (30283)</td>
<td>01/07/2011 to 30/06/2014</td>
<td>8.64</td>
</tr>
<tr>
<td>5.</td>
<td>Dr H C Trivedi</td>
<td>Photo-Induced ........ sodium alginate (30301)</td>
<td>01/07/2011</td>
<td>11.22</td>
</tr>
<tr>
<td>#</td>
<td>Department</td>
<td>Project Description</td>
<td>Start Date</td>
<td>End Date</td>
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</tr>
<tr>
<td>6.</td>
<td>Dr P C Vinodkumar, Department of Physics</td>
<td>Study of the strong quarks (30325)</td>
<td>01/07/2011</td>
<td>30/06/2014</td>
</tr>
<tr>
<td>7.</td>
<td>Dr K C Patel, BRD School of Biosciences</td>
<td>Curdlan and lipase applications (30305)</td>
<td>01/07/2011</td>
<td>30/06/2014</td>
</tr>
<tr>
<td>8.</td>
<td>Dr U B Trivedi, BRD School of Biosciences</td>
<td>Utilization of PHA's (30309)</td>
<td>1-7-2011</td>
<td>30-6-2014</td>
</tr>
<tr>
<td>9.</td>
<td>Dr Pinakini Pandya, Department of Gujarati</td>
<td>Cross cultural folktales (30146)</td>
<td>01/07/2011</td>
<td>30/06/2013</td>
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<td></td>
<td><strong>Total</strong></td>
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<td></td>
</tr>
</tbody>
</table>

### 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 Hyderabad 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-bearerships 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 2012-13

(A) Name of the Fellowships/Honors/Recognition/Awards/Any other outstanding achievement of the teachers of the department in 2012-13

DEPARTMENT OF BIO-SCIENCES

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Datta Madamwar</td>
<td>Awarded Fellow of Association of Biotechnology and Applied Pharmacy</td>
</tr>
<tr>
<td>Dr. T.V. Raman Rao</td>
<td>Fellow, Association of Biotechnology and Pharmacy (ABAP), Conferred on Dec. 20, 2012.</td>
</tr>
<tr>
<td>Dr. T.V. Raman Rao</td>
<td>Dr. C. K. Shah Award: Best Research Paper entitled “Banana fruit ripening as influenced by edible coatings” authored by Neeta B. Gol and T. V. Ramana Rao in Plant Sciences (Botany / Agriculture Botany / Plant Biotechnology) for the year 2011-2012.</td>
</tr>
</tbody>
</table>

DEPARTMENT OF CHEMISTRY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. D. I. Brahmbhatt</td>
<td>Selected as a member of editorial board for the following international journals: (1) Current Microwave Chemistry (2)Current Organocatalysis</td>
</tr>
<tr>
<td>Dr. J. H. Trivedi</td>
<td>Act as a Reviewer for recommending research paper for its publication in the International Journal of repute namely Polymer Bulletin</td>
</tr>
<tr>
<td></td>
<td>Name has been included as a Reviewer in Reviewer database of Journal of Biomedical Materials Research: Part A</td>
</tr>
<tr>
<td>Dr. S. S. Soni</td>
<td>Received with DST-FAST track Young Scientist Award</td>
</tr>
</tbody>
</table>

DEPARTMENT OF COMPUTER SCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Priti Srinivas Sajja</td>
<td>Name appeared in many Who’s Who editions of Rifacimento, India and Marquis, USA.</td>
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</tbody>
</table>
### DEPARTMENT OF ELECTRONICS

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<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. (Ms) Vibha S. Vaishnav</td>
<td>Received the Best Paper/Presentation prize to her Paper entitled “Virtual Universities and their Role in Strengthening the Education and Studies of Electronics” at the 17th ISTE Gujarat Convention and a Seminar on Technology Enabled Technical Education: Issues and Perspectives, held at 20th October, 2012 at Bardoli, Gujarat. Research papers are adjudged in the list of Top 10 “Highly Cited Papers” in the analysis report by INFLIBNET about the research output from Sardar Patel University analyzed decade-wise from 1971 onwards. As per the data of Google Scholar Citations, My research papers (i) Indium tin oxide (ITO) thin film gas sensor for detection of methanol at room temperature NG Patel, PD Patel, VS Vaishnav Sensors and Actuators B Chemical 96 (1), 180-189, 2003 <strong>has been cited 114 times</strong> (ii) Indium tin oxide thin film gas sensors for detection of ethanol vapours VSVaishnav, PD Patel, NG Patel Thin solid films 490 (1), 94-100, 2005 <strong>has been cited 60 times</strong>.</td>
</tr>
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</table>

### DEPARTMENT OF BUSINESS STUDIES

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<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Y. M. Dalwadi</td>
<td>“Impact of ‘Investment Planning for young investors’ workshop on College Students: A Study of Anand District College Students” at International Seminar on Accounting Education and Research and 35th All India Accounting conference Organized by Department of Business Management (MBA Programme) Saurashtra University, Rajkot on January 5-6, 2013. “Impact of Advertisement Expenditure on Sales and Financial Performance of Large Hotel Companies of India” at National Seminar on “Managing Opportunities, Challenges and Strategies for Sustainable Growth in Current Scenario” organized by Shri. D N Institute of Business Administration, Anand on October 27, 2012.</td>
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</tbody>
</table>

### DEPARTMENT OF MBA

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement</th>
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</thead>
<tbody>
<tr>
<td>Dr. Raju M Rathod</td>
<td>Coordinated University Level Research Project Competition ANVESHAN of All Indian University Association, 6th February 2013, 30 Projects Posters have been displayed and presented by 53 Students of different disciplines.</td>
</tr>
</tbody>
</table>
### DEPARTMENT OF ECONOMICS

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<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.P. Trivedi</td>
<td>Coordinator, UGC Centre for advance studies (CAS-I) Programme, Department of Economics, Sardar Patel University, Vallabh Vidyanagar.</td>
</tr>
<tr>
<td>D.J. Chauhan</td>
<td>Dy. Coordinator, UGC Centre for advance studies (CAS-I) Programme, Department of Economics, Sardar Patel University, Vallabh Vidyanagar.</td>
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</tbody>
</table>

### DEPARTMENT OF SOCIOLOGY

<table>
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<tr>
<th>Name of the Teacher</th>
<th>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. J.M. Trivedi</td>
<td>Recognized as subject expert by GPSC, UPSC, NDDB, NAAC, pandit ravi Shankar university, VNSGU Guj. Uni &amp; Vidyaptih.</td>
</tr>
<tr>
<td>Dr. R.M. Makwana</td>
<td>Dr. ambedkar award &amp; one lakh rupees rom Got. Of Guj. may 2012</td>
</tr>
</tbody>
</table>

### (B) SPECIALLY RECOGNIZED DEPARTMENTS

<table>
<thead>
<tr>
<th>Department of Bioscience</th>
<th>Department of English</th>
</tr>
</thead>
<tbody>
<tr>
<td>DBT-IBT Department</td>
<td>UGC – SAP Department</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Department of Chemistry</td>
<td>Department of Political Science</td>
</tr>
<tr>
<td>DST – FIST Department</td>
<td>Government of Gujarat Centre of Excellence for Ethics in Politics and Public Administration</td>
</tr>
<tr>
<td>Centre of Potential for Excellence in Polymer Science</td>
<td></td>
</tr>
<tr>
<td>UGC SAP CAS-I Department</td>
<td></td>
</tr>
<tr>
<td>Department of Materials Science</td>
<td>Department of Business Studies</td>
</tr>
<tr>
<td>UGC Centre for Advanced Studies</td>
<td>UGC – SAP Department</td>
</tr>
<tr>
<td>Department of Physics</td>
<td>Department of Mathematics</td>
</tr>
<tr>
<td>UGC SAP DSA-I Department</td>
<td>UGC - SAP - DRS Department</td>
</tr>
<tr>
<td></td>
<td>DAE – NBHM – Regional Library</td>
</tr>
<tr>
<td>Department of Statistics</td>
<td>Department of Home Science</td>
</tr>
<tr>
<td>UGC – SAP Department</td>
<td>UGC SAP Department</td>
</tr>
<tr>
<td></td>
<td>UGC- Innovative Programme</td>
</tr>
<tr>
<td>Department of MBA</td>
<td>Department of Economics</td>
</tr>
<tr>
<td>UGC SAP DRS-II Department</td>
<td>UGC SAP – CAS – I Department</td>
</tr>
</tbody>
</table>
(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) FGSAProf 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 (Mathematics), FASc, FGSA
17. Prof R S Tickekar (Mathematics), FGSA
18. Prof R D Mehta (Mathematics), FGSA
19. Prof D B Choksi (Computer Science), FGSA
20. Prof Dr N V Sastry (Chemistry), FGSA

3.6 CONSULTANCY

(1) INDUSTRIAL CONSULTANCY

DEPARTMENT OF BUSINESS MANAGEMENT (MBA)

<table>
<thead>
<tr>
<th>Name of Organization</th>
<th>Name of Organization</th>
<th>Type of Consultancy (With area)</th>
<th>Period (Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. D. R. Dave</td>
<td>Elecon Engineering</td>
<td>Market Research</td>
<td>Two months</td>
</tr>
</tbody>
</table>

DEPARTMENT OF SOCIAL WORK (MSW)

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of Organization</th>
<th>Type of Consultancy (With area)</th>
<th>Period(Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D.Mishra</td>
<td>Pratham, New Delhi</td>
<td>Research and Documentation</td>
<td>February, 2012</td>
</tr>
<tr>
<td>Dr. S.D.Mishra</td>
<td>Directorate Human Development, Gandhinagar</td>
<td>Research and Documentation</td>
<td>June 2012</td>
</tr>
</tbody>
</table>
(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 2012-13 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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. A.S. Reddy</td>
<td>Appointed as Rector, Sardar Patel University Men’s Hostel-II</td>
</tr>
<tr>
<td></td>
<td>Selected as Vice-President of the Sardar Patel University Teachers’ Association</td>
</tr>
<tr>
<td></td>
<td>Services are extended to look after the Botanical Garden and to provide guidelines to maintain the gardens in the University Campus.</td>
</tr>
<tr>
<td>Dr. Datta Madamwar</td>
<td>I am a member of review committees at University such as LIC. On the spot committee.</td>
</tr>
<tr>
<td>Dr. J.S.S. Mohan</td>
<td>Member in syllabi framing committee for S.Y.B. Sc. &amp; T. Y. B.Sc. (Biology, Botany, Genetics) under CBCS system</td>
</tr>
<tr>
<td></td>
<td>Member in syllabi framing committee for M.Sc. Botany under CBCS system</td>
</tr>
<tr>
<td>Dr. R.B. Subramanian</td>
<td>Took active part in setting questions for B. Sc and M. Sc examinations and assessment. Working as a Coordinator for Industrial biotechnology (IBT) programme.</td>
</tr>
</tbody>
</table>

(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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Datta Madamwar</td>
<td>Member of Advisory Committee as UGC Expert Nominee of (1) Department of Microbiology, M. S. University, Vadodara (2) Department of Microbiology, Kakatiya University, Warangal (3) Department of Biochemistry, Shivaji University, Kolhapur (4) Department of Biosciences, Veer Narmad South Gujarat University, Surat</td>
</tr>
<tr>
<td></td>
<td>Member of Biotechnology Council of Government of Gujarat, Gandhinagar</td>
</tr>
<tr>
<td></td>
<td>Member of Governing Body of Gujarat State Biotechnology Mission, Gandhinagar</td>
</tr>
<tr>
<td></td>
<td>Member of Technical Board of Gujarat State Biotechnology Mission, Gandhinagar</td>
</tr>
<tr>
<td></td>
<td>Member of Board of Management of Sardar Patel Renewable Energy Research Institute, Vallabhbhidyanagar</td>
</tr>
<tr>
<td></td>
<td>Member of Advisory Committee of Gujarat Pollution Control Board, Gandhinagar, for the Purchase of Scientific Instruments</td>
</tr>
<tr>
<td></td>
<td>Member of Biosafety Committee of M/s. Zydus Cadila Healthcare Ltd., Ahmedabad</td>
</tr>
</tbody>
</table>
DBT Nominee for the Institutional Biosafety Committee of (1) Indian Institute of Advance Research, Gandhinagar (2) M/s. Alembic Limited, Vadodara

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization/Non-Government</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. A.V.R.L.N. Acharaya</td>
<td>Member</td>
<td>S. P. University</td>
<td>Board of Studies in Biosciences</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>S. P. University</td>
<td>Faculty of Science</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>S. P. University</td>
<td>Senate</td>
</tr>
<tr>
<td>Dr. A.S. Reddy</td>
<td>Executive Council Member</td>
<td>Indian Association of Angiosperm Taxonomy</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Botanical Expert</td>
<td>Gujarat Forest Department Corporation</td>
<td>Gujarat Forest Undertaking Agency</td>
</tr>
<tr>
<td></td>
<td>Institutional Ethical Committee Member</td>
<td>G.J. Patel Institute of Ayurvedic Studies and Research</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. Datta Madamwar</td>
<td>Member of Task Force Committee of Biotechnology of Biodiversity Conservation and Environment</td>
<td>Department of Biotechnology, New Delhi</td>
<td>Government of India</td>
</tr>
<tr>
<td></td>
<td>Member Governing Body of GSBTM</td>
<td>Gujarat State Biotechnology Mission, Gandhinagar</td>
<td>Gujarat State Government</td>
</tr>
<tr>
<td></td>
<td>Member of Council of Biotechnology of Govt. of Gujarat</td>
<td>Government of Gujarat, Gandhinagar</td>
<td>Gujarat State Government</td>
</tr>
<tr>
<td></td>
<td>Member of Technical Board of GSBTM</td>
<td>Gujarat State Biotechnology Mission, Gandhinagar</td>
<td>Gujarat State Government</td>
</tr>
<tr>
<td></td>
<td>Member of Programme Advisory Committee of International Cooperation in the area of Life Sciences of Department of Science &amp; Technology</td>
<td>Department of Science &amp; Technology, New Delhi</td>
<td>Government of India</td>
</tr>
<tr>
<td></td>
<td>Chairman, Twinning Programme for North Eastern Region (Environmental Biotechnology and Allied Areas)</td>
<td>Department of Biotechnology, New Delhi</td>
<td>Government of India</td>
</tr>
<tr>
<td>Dr. J.S.S. Mohan</td>
<td>Member</td>
<td>Faculty of Science, Sardar Patel University, VV Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Board of Studies in Biosciences, Sardar Patel University, VVNagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Board of Studies in Botany, M. S. University, Baroda</td>
<td>Academic</td>
</tr>
</tbody>
</table>
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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. D. I. Brahmbhatt</td>
<td>Member of ‘Pariksha Sucharu Samiti’ Sardar Patel University Academic</td>
</tr>
<tr>
<td>Dr. N. V. Sastry</td>
<td>Appointed as Nodal Officer, DST – PURSE program, SPU for implementation of PURSE program in purchasing equipments etc and creating a central facility</td>
</tr>
<tr>
<td></td>
<td>Appointed as Nodal Officer, Center for Interdisciplinary Studies in Science and Technology (CISST) to run its various programs including the starting M. Sc. Applied Science program</td>
</tr>
<tr>
<td>Dr. D. K. Raval</td>
<td>I/C Dean, Faculty of Pharmacy, Sardar Patel University</td>
</tr>
<tr>
<td></td>
<td>Acted as Senior Press supervisor for examinations of Sardar Patel University.</td>
</tr>
<tr>
<td></td>
<td>Worked as one of the coordinators for the data entry center of Sardar Patel University, Nov. Dec., 2012 examinations.</td>
</tr>
<tr>
<td></td>
<td>Expert Member, Selection Committee for Professor in Organic Chemistry, ISTAR, Charutar Vidyamandal, Vallabh Vidyanagar on 8th June, 2012</td>
</tr>
<tr>
<td></td>
<td>Expert Member, Selection Committee for Asst.Prof. in Chemistry, A. N. Patel Institute of Postgraduate studies and Research, Anand on 15th June, 2012</td>
</tr>
<tr>
<td></td>
<td>Member on Local Advisory Committee and Member of Jury, Shri A. N. Patel Institute, Anand in a National Seminar on March 8, 2013</td>
</tr>
<tr>
<td></td>
<td>Expert Member, Selection Committee for Professor/Associate Prof./Asst. Prof. in chemistry at JNV University, Jodhpur on 7th and 8th February, 2013</td>
</tr>
<tr>
<td></td>
<td>Member on Local Advisory Committee, State level One day seminar on “Green India through Green Channels” at Borsad Science College on 2/2/2013</td>
</tr>
</tbody>
</table>
Organized One Day seminar on entrepreneurship development sponsored by MSME, Ahmedabad on 10th January, 2013 at Chemistry Department.

Organized One Day seminar on entrepreneurship development for Pharma industry sponsored by MSME, Ahmedabad 9th February, 2013 at Department of Pharmaceutical Sciences, Sardar Patel University.

Life Member, All India Association of Carbohydrate Chemists & Technologists.

Life Member, Indian Council of Chemists.

<table>
<thead>
<tr>
<th>Dr. M. P. Patel</th>
<th>Besides the regular duties of teaching and research, I have served in various committees formed for conducting chemical society activities and annual day functions etc.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>One of the committee members of “Programming and Framing of the schedule of teaching and other related aspects”.</td>
</tr>
<tr>
<td></td>
<td>One of the committee members of “Placement Cell” of the department.</td>
</tr>
<tr>
<td></td>
<td>One of the selection committee members of the UGC Meritorious students Research Fellowship.</td>
</tr>
<tr>
<td></td>
<td>One of the committee members of Women cell of Department of Chemistry.</td>
</tr>
<tr>
<td></td>
<td>One of the committee members of Purchase of instruments in Department of Chemistry.</td>
</tr>
</tbody>
</table>

Dr. N. J. Parmar

Helped University Environmental Cell analyze water sample in educational township’s region- Actively participated in all Department as well as University level programs like Organizing Seminar, Conferences, Workshops, Youth festival programs, Convocation day, visits of various committees like NAAC CEAP etc., Total Blood donation camps-Kendriya Vidyalaya Management committee member- Interview committee member for selecting teacher at Kendriya Vidyalaya, Participation in Conferences Seminars Workshops, Symposiums etc.

Refresher courses, Training programs, Orientation courses.

Dr. K. H. Patel

Convener, University guest house. For the welcome of guests, for the 55th convocation day of Sardar Patel University.

Act as Senior Press supervisor for M.Phil and Ph.D Entrance examinations of Sardar Patel University.

Work as a coordinator for the data entry center of Sardar Patel University.

Dr. J. H. Trivedi

Member Board of Studies of Industrial Chemistry (22-03-2012 to 21-03-2015)

Dr. S. S. Soni

Apart from these, actively involved in the preparation of presentation/reports of department for committees like NAAC, SAP, CEAP etc.

Dr. S. S. Soni

One of the committee member for updating and maintaining Website of Chemistry department.

Dr. K. R. Surati

I have keen interest in academic, curricular and extra curricular activities within the department organized by chemical society.

I am associated with placement cell in the department.

I have work as Scorer in “Science Perfection 2009” Jointly organized by Department of Botany, Gujarat University, Ahmedabad.

281
(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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. N. V. Sastry</td>
<td>Successfully running the UGC – CAS program as its Coordinator and purchased several sophisticated equipments</td>
</tr>
<tr>
<td>Dr. N. J. Parmar</td>
<td>Finished two research projects sectioned under the U.G.C. Scheme of minor research project; one in 1999-2000, of one year-duration, and second in 2005-06, of two year-duration and working presently on third research project, sanctioned under the UGC Scheme of Major Research Project, New Delhi, of three year-duration, 2011-14. Significant part of the project works, finished, has been already published in leading scientific research journal of international repute. Citations of that research works in other international journal itself reflect their impact on world scientific and research communities.</td>
</tr>
<tr>
<td>Dr. K. R. Surati</td>
<td>I have working on photochromic materials and its applications. I got one project on photochromism sponsored by UGC (University Grant commission) Minor Research Project titled “Synthesis, Structural And Photochromic Properties Of Schiff Base Pyrazolone Derivatives” I have served on the editorial advisor board in “The Open Catalysis Journal” Bentham Publisher (ISSN: 1876-214X). I have review many research articles in following journals (i) Analytical Sciences (The Japan chemical Society) (ii) Phosphorus, Sulfur, and Silicon and the Related Elements (Taylor and Francis Publisher Group)(iii) Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal Chemistry(Taylor and Francis Publisher Group)(iv) The Open Catalysis Journal (Bentham Publisher Group) (vi) Journal of Mechanical Engineering Research (Academic Journal Group) <a href="http://www.academicjournals.org/jmer">http://www.academicjournals.org/jmer</a></td>
</tr>
</tbody>
</table>

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization Academic/Government/Non-Government</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. D. I. Brahmbhatt</td>
<td>Member of board of studies in chemistry</td>
<td>Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. N. V. Sastry</td>
<td>Senate Member (Govt. Nominee)</td>
<td>Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. D. K. Raval</td>
<td>Member</td>
<td>Board of studies, Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>I/C Dean</td>
<td>Faculty of Pharmacy</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member on Board of Editors</td>
<td>Prajna- A Research Journal of Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Fellow</td>
<td>Gujarat Science Academy</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. M. N. Patel</td>
<td>Member board of studies</td>
<td>Saurastra university, Rajkot</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. M. P. Patel</td>
<td>Life Member</td>
<td>The Society for Polymer Science (SPS), New Delhi, India</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Indian Council of Chemist (ICC), Agra, India</td>
<td>Academic</td>
</tr>
<tr>
<td>Life Member</td>
<td>The Indian Society of Analytical Scientist, India (ISAS)</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Life Member</td>
<td>Society for Materials Chemistry, India</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Board of Study (Chemistry)</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Adhoc PG Board of Study (Chemistry)</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>The committee to reframe the syllabus for M. Sc. Chemistry</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>The committee to reframe the syllabus for M. Sc. Chemistry as per CBCS</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Secretary</td>
<td>Sardar Patel University Teacher Association (SPUTA)</td>
<td>Non-Government</td>
<td></td>
</tr>
<tr>
<td>President</td>
<td>JCI Milkcity, Anand</td>
<td>Non-Government</td>
<td></td>
</tr>
<tr>
<td>Executive Member</td>
<td>17 Gam Patidar Samaj, Anand</td>
<td>Non-Government</td>
<td></td>
</tr>
</tbody>
</table>

| Dr. N. J. Parmar | Member | Board of study, S.P. University Vallabh Vidyanagar | Academic |
| Member | Sardar Patel University Teacher Association | Academic |
| Member | Advisory board of SC/ST cell, S.P. University | Academic |
| Member | Departmental I.Q.A.C. committee | Academic |
| Member | Women Cell, S.P. University | Academic |

| Dr. K H. Patel | Member | Board of studies, Sardar Patel University | Academic |

| Dr. J. H. Trivedi | Life Member | Association of Carbohydrate Chemists and Technologists (ACCT), India. | Academic |
| Life Member | Asian Polymer Association | Academic |
| Life Member | Society of Polymer Science, India (SPSI) | Academic |

| Dr. S. S. Soni | Life membership | Indian Society of Analytical Scientists | Academic |
| Life membership | Indian Society for Radiation and Photochemical Sciences | Academic |

| Dr. K. R. Surati | Life time membership | “The Indian Thermodynamics Society”, India | Academic |
| Life time membership | “Indian Liquid crystal society (ILCS)”, India. | Academic |
| Life time membership | “Material Research Society (MRS)”, Singapore. | Academic |
| Life time membership | “Society of material Chemistry”, BARC, Mumbai, India | Academic |
### 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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Prof. P V Virparia</strong></td>
<td>Acted as a convener in the State Level Programming Contest (February, 2013)</td>
</tr>
<tr>
<td></td>
<td>Acted as a convener in the State Level Quiz Contest (February, 2013)</td>
</tr>
<tr>
<td></td>
<td>Worked as a judge in Programming Competition held at V P &amp; R P T P Science College, V V Nagar on 01-02-2013.</td>
</tr>
<tr>
<td></td>
<td>Worked as a judge in Web Designing Competition held at V P &amp; R P T P Science College, V V Nagar on 01-02-2013.</td>
</tr>
<tr>
<td></td>
<td>Worked as a judge in “Best Website Designer“ competition held at SEMCOM College, V V Nagar on 26-01-2013.</td>
</tr>
<tr>
<td></td>
<td>Worked as a committee member for Ph.D. admission process at R K University on 26-11-2011</td>
</tr>
<tr>
<td></td>
<td>Actively involved in non-academic activities organized by the Department</td>
</tr>
<tr>
<td></td>
<td>Provided support to senior students of the department in in-house project development.</td>
</tr>
<tr>
<td></td>
<td>Act as a resource person for DOEACC, New Delhi.</td>
</tr>
<tr>
<td><strong>Prof. D B Choksi</strong></td>
<td>Dr. D.B.Choksi contributed as a Chairman of the Board of Studies for Computer Science at the Sardar Patel University upto January 2013 for revising syllabi for various courses under the board.</td>
</tr>
<tr>
<td></td>
<td>Worked as a member of Library Committee of Sardar Patel University.</td>
</tr>
<tr>
<td></td>
<td>Dr.D.B.Choksi contributed as a Chairman of the PG Teachers/Research Guide Recognition Committee, (Appointment on : 11-09-2012).</td>
</tr>
<tr>
<td></td>
<td>Dr.D.B.Choksi worked as a member of the Local Inquiry Committee for academic inspection of various colleges running BCA programme, and affiliated to Sardar Patel University (Anand Commerce College, Anand, DNInstitute of Computer Applications, Anand, MBPatel Science College, Anand, CPCommerce College, Anand, AMCOST, Anand), 17-05-2012.</td>
</tr>
<tr>
<td></td>
<td>Dr.D.B.Choksi worked as a member of the On-the-Spot Committee for academic inspection of various colleges running BCA programme, and affiliated to Sardar Patel University (Jivkaran Institute, V.V.Nagar, KSCollege, V.V.Nagar, BNPatel Institute, AnandPMPatel College, Anand), 28-08-2012.</td>
</tr>
<tr>
<td></td>
<td>Dr. D.B.Choksi worked as a member of the Editorial Board of the journal – PRAJNA, (ISSN: 0975-2595), published by the Sardar Patel University.</td>
</tr>
<tr>
<td></td>
<td>Dr. D.B.Choksi Worked as a member of the Editorial Board of the National Journal of Computer Science &amp; Technology (NJCST), (ISSN: 0975-2463), published by S.V.Institute of Computer Studies, Kadi, SV-ACRID.</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>Worked as a member of the Editorial Board of the International Journal of Computer Science &amp; Systems, (ISSN : 2249-8222), DIT School of Engineering, Greater Noida.</td>
</tr>
<tr>
<td>---------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>worked as a reviewer for the National Journal of Systemand Information Technology (NJSIT) (ISSN : 0974-3308) published by SRIMCA, Bardoli.</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>Worked as a member of the Advisory Editorial Board of RESEARCH@ICT: International Journal of Information and Computing Technology, (ISSN : 0976-5999), published by ISTAR.</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>worked as a member of the editorial board of the International Journal of Research Issues in Computing Sciences (IJRICS).</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>delivered a Radio Program: a speech on University Radio under Life Enrichment Radio Program conducted by Sri Aurobindo Chair of Integral Studies, S.P.University on 28-02-2013. Topic: “Mind, Brain and Microprocessor”.</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>worked as a Convener of the Departmental IT Competitions organized in association with the Computer Society of India, V.V.Nagar Chapter on 23rd July, 2012.</td>
</tr>
<tr>
<td>Dr. D.B.Choksi</td>
<td>worked as a reviewer for the research papers submitted at the National Seminar on “Trends in IT” I.T. FUTURA-2013, 2nd March, 2013, Organized by AIIS, Anand in association with CSI, V.V.Nagar Chapter.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prof. D M Shah</th>
<th>Worked as a member in departmental committee such as Project Monitoring committee, Library maintenance committee, Entrance test committee, and Budget preparation committee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Actively participated and worked as a team member in organizing lecture series on various topics.</td>
</tr>
<tr>
<td></td>
<td>Acted as resource person in state level programming contest at Computer Science department, SPU, 9th Feb 2013</td>
</tr>
<tr>
<td></td>
<td>Act as a resource person for DOEACC, New Delhi in, as a paper setter and as an examiner.</td>
</tr>
<tr>
<td></td>
<td>Provided support to senior students of the department in in-house project development.</td>
</tr>
<tr>
<td></td>
<td>Working as a secretary for Computer Society of India Vallabh Vidyanagar Chapter.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Prof. Priti Srinivas Sajja</th>
<th>Resource person at many faculty development program at the S P University</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>One of the co-ordinator or the Programming quiz (9th February, 2013) Computer society of India, Vallabh Vidyanagar chapter</td>
</tr>
<tr>
<td></td>
<td>Worked as resource person in the State Level IT Quiz Contest Organized jointly by the Computer Society of India (Vallabh Vidyanagar Chapter) and the Department of Computer science and Technology</td>
</tr>
<tr>
<td></td>
<td>Member of Board of Studies, Computer Science (S P University, Gujarat, India)</td>
</tr>
<tr>
<td></td>
<td>Member of Special Interest Group on Artificial Intelligence (SIGAI), India</td>
</tr>
<tr>
<td></td>
<td>International Association of Engineers (IAENG)</td>
</tr>
<tr>
<td></td>
<td>Member of Third World Organization for Women in Science (TWOWS), Italy</td>
</tr>
<tr>
<td></td>
<td>Worked as a judge in various IT related competition at postgraduate and graduate level in the region.</td>
</tr>
<tr>
<td></td>
<td>Worked as resource person for more than 8 refresher/orientation courses</td>
</tr>
<tr>
<td></td>
<td>Actively involved in non-academic activities organized by the Department</td>
</tr>
</tbody>
</table>
Provided support to senior students of the department in in-house project development.
Act as a resource person for DOEACC, New Delhi.


**Program committee member, International Conference on Intelligent Systems and Signal Processing (March) - ISSP 2013, Vallabh Vidyanagar, India, IMPACT - 2012 - National Level Software Exhibition, Jalgaon, India**

**Mr. B B Patel**

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 (February, 2012)

Acted as a Coordinator 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 (February, 2012)

Member of the Academic Board of Studies for Computer Science, Sardar Patel University, Vallabh Vidyanagar.

Actively involved in non-academic activities organized by the Department

Worked as a member of the Website Maintenance Committee of the Department.

Act as a resource person for DOEACC, New Delhi.

Worked as a member in departmental, Project Monitoring committee, Purchase Committee, Entrance test committee, Departmental Website Maintenance Committee

Act as a resource person for DOEACC, New Delhi in, as a paper setter and as an examiner.


Provided support to senior students of the department in in-house project development.

Working as a Committee member in API Calculation for Sardar Patel University

Working as a Member of Examination Smooth Management for Sardar Patel University

Member of Editorial Board for Annual Report preparation of Sardar Patel University.

Solving computer related problems at various level in Sardar Patel University.
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 (February, 2013)  
| 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.

Dr. Jeegar A Trivedi  | Completed Ph.D in Computer Science, Thesis entitled “Design of Neuro Fuzzy Advisory System Using Type – 2 Fuzzy logic” (March 18, 2013) from Department of Computer Science & Technology, Sardar Patel University, Vallabh Vidyanagar, Gujarat, India.

(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

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
</table>
| Prof. P V Virparia  | **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: Editorial Board  
|                     | **Associate Editor**: International Magazine on Advances in Computer Science and Telecommunications  
|                     | **Life Membership**: Computer society of India |
| Prof. D M Shah      | **Member** of Board of Studies, Computer Science, S P University, Vallabh Vidyanagar  
|                     | **Member** of Research Committee at S P University,  
|                     | **Advisory committee member** in RESEARCH@ICT: International Journal of Information and Computing Technology ISSN 0976–5999  
<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof P V Virparia</td>
<td>Life Member</td>
<td>Computer Society of India</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Expert Member of RDC Panel</td>
<td>R K University, Charusat, Kadi Sarva Vishvavidyalaya, SP University, Saurashtra University, Ukka Tarsadia University, Ganpat University, Gujarat Technological University.</td>
<td>Academic &amp; Research</td>
</tr>
<tr>
<td></td>
<td>Nomination Committee member during 2012-13</td>
<td>Computer Society of India, V.V.Nagar Chapter</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Advisory Committee member</td>
<td>N.V.Patel College of Pure and Applied Sciences, V.V.Nagar.</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Board of Management member</td>
<td>ISTAR, V.V.Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Advisory Committee and Academic Council member</td>
<td>ITM Universe, Vadodara</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of IT &amp; Systems Audit Committee</td>
<td>IRMA, Anand</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of the University Library Committee from 1/4/2012 to 31/3/2015</td>
<td>Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Expert Member of RDC Panel</td>
<td>Gujarat University, V.N.South Gujarat University, Dr. Babasaheb Ambedkar Open University, DD University, Charusat, Kadi Sarva Vishvavidyalaya, SP University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Chairman upto Jan 2013 And member thereafter</td>
<td>Board of Studies in Computer Science at Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td>Member</td>
<td>Ad-hoc Board of Studies in Biomedical Science and technology &amp; Defense Science &amp; Technology at Sardar Patel University</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>-------------------------------------------------------------------------------------------------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Prof. D M Shah</td>
<td>Life Membership</td>
<td>Computer Society of India</td>
<td>Non-Government</td>
</tr>
<tr>
<td>Expert Member of RDC Panel</td>
<td>SPUniversty, Charuset</td>
<td></td>
<td>Academic &amp; Research</td>
</tr>
<tr>
<td>Prof. Priti Srinivas Sajja</td>
<td>Expert Member of RDC Panel</td>
<td>SPUniversity, Ganpat University, Gujarat Technological University.</td>
<td>Academic &amp; Research</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Computer Society of India (CSI) Special Interest Group on Artificial Intelligence (SIGAI); Third World Organization for Women in Science (TWOWS), Italy; International Association of Engineers (IAENG); The World Academy of Research in Science and Engineering (WARSE).</td>
<td>Research and Academic</td>
</tr>
<tr>
<td>Editorial review board member</td>
<td>Soft Computing, Springer Berlin, Germany Information Sciences, Elsevier Interdisciplinary Journal of Information, Knowledge, and Management, USA Journal of Information, Information Technology, and Organizations, USA</td>
<td>Research and Academic</td>
<td></td>
</tr>
</tbody>
</table>
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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.(Ms)Basumati H.Patel</td>
<td>Member of Advisory committee of DST-PURSE program of S.P.University Member of Complain cell of S.P.University</td>
</tr>
<tr>
<td>Dr.D.Lakshminarayana</td>
<td>The corporate life at Sardar Patel University, VallabhbhVidyanagar, 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, a due participation of mine had taken place, during the year, in the corporate life of Sardar Patel University.</td>
</tr>
<tr>
<td>Dr.(Ms)Vibha S.Vaishnav</td>
<td>Member, University Convocation Committee, January 24, 2013 Member, P.G. Board of Electronics, Board of Studies in Electronics and Faculty of Science, Sardar Patel University.</td>
</tr>
</tbody>
</table>

Mr. B B Patel  Chairman  Computer Society of India, Vallabh Vidyanagar Chapter  Non-Government

Mr. J V Smart  Vice Chairman  Computer Society of India, Vallabh Vidyanagar Chapter  Non-Government
Organized in the capacity of Treasurer, SPUTA, a workshop with the joint auspices of Sri Aurobindo Chair of Integral Studies, Vallabh Vidyanagar on “The Art of Right Living: Practical Guidelines from the Teachings of the Gita”, on Saturday, 30th March, 2013, by Dr. Sampadananda Mishra, the Director of Sri Aurobindo Foundation for Indian Culture (SAFIC), Sri Aurobindo Society, Pondicherry and Recipient of the Presidential Award for two times for his scholarly contributions.

Assisted in organizing a “Friendly Cricket Match” in the capacity of Treasurer, SPUTA on 20th March, 2013 organized under the joint auspices of Sardar Patel University Teachers’ Association (SPUTA), Sardar Patel University Administrative Staff Association (SPUASA), and Sardar Patel University Supervisory Staff Association, (SPUSSA)Vallabh Vidyanagar.

Member, Women’s Cell, Department of Electronics, Sardar Patel University

Member, Departmental Research Committee, Dept. of Electronics

Dr.(Mrs)Shahera Patel

Provided technical support to the students of the department in in-house project development and their other co-curricular activities.

(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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr (Ms)Basumati H Patel</td>
<td>Worked as a member of Workshop organized by UGC NET Buero at National level</td>
</tr>
</tbody>
</table>

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.(Ms)Vibha S.Vaishnav</td>
<td>Member</td>
<td>Internal Quality Assurance Cell (IQAC), VP &amp; RPTP Science College, Vallabh Vidyanagar – Accredited grade A by NAAC</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member, Executive Committee</td>
<td>Sri Aurobindo Sadhana Kendra, Vallabh Vidyanagar</td>
<td>Non Government</td>
</tr>
<tr>
<td></td>
<td>Treasurer</td>
<td>Sardar Patel University Teachers’ Association (SPUTA)</td>
<td>Non Government</td>
</tr>
<tr>
<td>Dr.(Mrs)Shahera Patel</td>
<td>Life Member (LM – 405)</td>
<td>Society for materials Chemistry</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member ( LM – 10803)</td>
<td>Indian Physics Association</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Instrument Society of India</td>
<td>Academic</td>
</tr>
</tbody>
</table>

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### DEPARTMENT OF HOME SCIENCE

**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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
</table>
| Dr. V.H. Patel      | Chairman, Board Of Studies, Faculty Of Home Science, Sardar Patel University, V.V.N.  
Member, Board Of Studies, Faculty Of Home Science, Sardar Krishinagar | |
| Dr. Rema Subhash    | Editorial Board, Prajna, Journal Of Science Faculty, Sardar Patel University.  
I/C Director Women’s Studies Center, Sardar Patel University.  
Member, Faculty Of Home Science, Sardar Patel University.  
Member, Board Of Studies In Foods & Nutrition, M.S.University Of Baroda. | |
| Dr. Namrita Kola    | Course Co-Ordinator For M.Sc.(H.Sc.) (Textiles & Clothing) Course.  
Member Of Committee For Organising Convocation  
Dy. Director Of Women Studies Center  
Staff Activity Incharge Of P.G.Department Of Home Science | |


<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization Academic/Government/ Non-Government</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Namrita Kola</td>
<td>External Member</td>
<td>International College For Girls, Iis University, Jaipur</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Board of Studies In Garment Production &amp; Expert Management</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. Neeta R Dave</td>
<td>Member</td>
<td>Board Of Studies In Foods And Nutrition, Sardar Patel University, V.V.N.</td>
<td>Member</td>
</tr>
</tbody>
</table>
### 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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
</table>
| D.J. Karia | University Nodal Officer for the All India Survey on Higher Education, MHRD, GOI, New Delhi  
  Worked as a Placement Officer, Career and Counseling Cell, Sardar Patel University  
  Worked as a Counselor, Career and Counseling Cell, Sardar Patel University  
  Member, Board of Studies in Mathematics, Charotar University of Science and Technology, Changa.  
  Member of Board of Studies of Mathematics, CU Shah University, Wadhwan  
  On the Board of Anandalaya School for Mathematics, NDDB Campus, Anand  
  Member Secretary, Department of Mathematics Friends and Alumni Association.  
  Member of Committee on Smooth Conduct of Examination (Senior most member of the Committee)  
  Member of the Examination Reforms Council, SPU  
  Co-Coordinator, Internal Quality Assurance Cell, SPU  
  Member, Annual Report Committee, SPU  
  Member University ERP SRS Committee  
  Member, Advisory and Programme Committee FM Radio Station of the University  
  Convener, Staff API Committee, SPU  
  Worked as a reserved Polling Officer, SPU Senate Election 2012 |
| A.B. Patel | Chairman, Board of Studies in Mathematics, Sardar Patel University  
  Member, Board of Studies in Mathematics, MK Bhavnagar University, Bhavnagar.  
  Member, Board of Studies in Mathematics, H. North Gujarat University, Patan  
  Hon. Deputy Director, UGC Academic Staff College, Sardar Patel University, Vallabhbh Vidyamag |
| H.V. Dedania | Member, Board of Studies in Mathematics, Sardar Patel University  
  Participated as a representative of Department of Science and Technology, Government of India, in the EPSRC-DST scoping meeting in applied mathematics daringly, 12-13 July 2012 in UK |
| P.A. Dabhi | Member, Board of Studies in Mathematics, Sardar Patel University |

(b) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.J. Karia</td>
<td>Member</td>
<td>American Mathematical Society</td>
<td>Academic</td>
</tr>
<tr>
<td>Life Member</td>
<td></td>
<td>Indian Mathematical Society</td>
<td>Academic</td>
</tr>
</tbody>
</table>
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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. U. H. Patel</td>
<td>Member of the Board of studies in Physics, Sardar Patel University, Vallabh Vidyanagar</td>
</tr>
<tr>
<td></td>
<td>Co-ordinator of DSA by UGC, New Delhi</td>
</tr>
<tr>
<td></td>
<td>Member of Ph.D./M.Phil committee &amp; syllabus framing</td>
</tr>
<tr>
<td></td>
<td>Two major equipment Single crystal &amp; powder x-ray diffractometer</td>
</tr>
<tr>
<td>Prof. P. C. Vinodkumar</td>
<td>Member of the Board of Studies in Physics, Sardar Patel University, Vallabh Vidyanagar</td>
</tr>
</tbody>
</table>
All the assignments related to the examination work Member in the syllabus framing Committee etc

On behalf of the University project poster competition at the University level was arranged on 6th Feb 2013 at Gyanoday Bhavan (ground floor) as part of Students research Convention (ANVESHAN-2012) of Association of Indian Universities.

Prof. V. M. Pathak
Member of various committees of the department and the S. P. University

Prof. M. P. Deshpande
Participation in the academic and examination duties of the University.

Prof. K. D. Patel
Worked as Organizing Secretary in one day seminar on Current Trends in Research and applications of Physical Sciences (CTRAPSG-2012) organized by Department of Physics and Physics Alumni Association, Sardar Patel University, Vallabh Vidyanagar on December 29, 2012.

Prof. G. K. Solanki
Worked as Organizing Secretary in one day seminar on Current Trends in Research and applications of Physical Sciences (CTRAPSG-2012) organized by Department of Physics and Physics Alumni Association, Sardar Patel University, Vallabh Vidyanagar on December 29, 2012.

Prof. S. H. Chaki
Worked as Resource Person and mentor at the Knowledge Consortium of Gujarat (KCG) organized three day workshop on “Promotion of Culture of Quality through Research” held for Anand district during July 06th to 08th, 2012 at B. J. V. M. College, Vallabh Vidyanagar.

Worked as Organizing Secretary in the one day seminar on “Current Trends in Research and Applications of Physical Sciences in Gujarat (CTRAPSG-12)” organized by the Department of Physics in association with Physics Alumni Association, Sardar Patel University held on 29th December 2012.

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. V. M. Pathak</td>
<td>Secretary</td>
<td>Indian Physics Association, V. V. Nagar Chapter</td>
<td>Academic</td>
</tr>
<tr>
<td>Prof. K. D. Patel</td>
<td>Secretary</td>
<td>Indian Physics Association, V. V. Nagar Chapter</td>
<td>Academic</td>
</tr>
<tr>
<td>Prof. G. K. Solanki</td>
<td>Treasurer</td>
<td>Physics Alumni Association, Dept. of Physics</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Chairman</td>
<td>Physical Society, Dept. of Physics</td>
<td>Academic</td>
</tr>
</tbody>
</table>

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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. K. Rathod</td>
<td>Expert member in the Board of Studies in Accounting and Financial Management and Board in the Faculty of Commerce, The M. S. University of Baroda, Vadodara from 1st September, 2011 for a period of three years.</td>
</tr>
<tr>
<td>Date</td>
<td>Event</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>September 15, 2011</td>
<td>Expert member of the Research Degree Committee in the Faculty of Commerce at Saurashtra University, Rajkot.</td>
</tr>
<tr>
<td></td>
<td>Expert Member in the Board of Studies in Accounting and Financial Management, Faculty of Commerce, M. S. University of Baroda, Vadodara.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dr. Y. M. Dalwadi</th>
<th>Member of Board of Studies (Accounting Board), Sardar Patel University, Vallabh Vidyanagar.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Member of Anti-raging Committee at Department level</td>
</tr>
<tr>
<td></td>
<td>EC Member SPUTA 2012-13</td>
</tr>
<tr>
<td></td>
<td>Coordinated NET Coaching Center for SC/ST students, Sardar Patel University, Vallabh Vidyanagar from 1st May to 10th May 2013 for NET Coaching for the NET aspirant students</td>
</tr>
<tr>
<td></td>
<td>Member of Core Committee for M.Phil. and Ph.D. (Commerce) programme of Sardar Patel University.</td>
</tr>
<tr>
<td></td>
<td>Acted as Committee Member for the Course of Contributory Personality Development Programme of Gujarat Technological University on 30-10-2012.</td>
</tr>
<tr>
<td></td>
<td>Worked as Committee Member(Stage Committee) for Convocation of Sardar Patel University.</td>
</tr>
<tr>
<td></td>
<td>Committee Member of at the University Level for starting coaching center in the university under the ‘Scheme of Free Coaching for SC and OBC students’ of Ministry of Social Justice and Improvement of Government of India.</td>
</tr>
<tr>
<td></td>
<td>Course Counselor at IGNOU Study Centre (MS-4)</td>
</tr>
<tr>
<td></td>
<td><strong>Training/ Workshops Conducted:</strong> a. Organised a Workshop On ‘Filing of Income Tax Return (ITR)’ on March 8, 2013 for the students of Post Graduate Department of Business Studies, Sardar Patel total 110 students participated in the workshop. b. Organised ‘Mock Interview’ on March 9, 2013 for the M.Com. final semester students. Total 21 Students participated in this event Workshop on “Investment Planning for Retirement” on behalf of SEBI organised for teaching and non-teaching staff of Sardar Patel University on July 6, 2012.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Miss. D. S. Rohit</th>
<th>I have actively participated in the course preparation of M.COM for the subjects Business Environment and International Business Environment under the Choice Base Credit system.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>I m actively participated in all the extra curricular activities organized in the Department through out the year and had also participated and contributed papers in various seminars.</td>
</tr>
<tr>
<td></td>
<td>I m also a member of Gym Khana Committee of the Department and handle the library work and handling debate and elocution activities of the department</td>
</tr>
<tr>
<td></td>
<td>From this year revised M.com. External syllabus is introduced and I have actively involved in the preparation of the revised syllabus.</td>
</tr>
</tbody>
</table>
(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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Y. M. Dalwadi</td>
<td>Become Recognized Resource Person of Security and Exchange Board of India for outreach and widespread reach of Financial Education in India for the period of July 14, 2012 to December31, 2015 and conducted many programmes under this banner.</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P. K. Rathod</td>
<td>Chairman</td>
<td>Board of Studies of Commerce, S. P. U.</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Vice President</td>
<td>Indian Accounting Association, Gujarat Branch, Ahmedabad</td>
<td>Academic</td>
</tr>
<tr>
<td>Expert Member of the Research Development Committee for Ph.D. admission process</td>
<td>Department of Commerce and Business Administration, Saurashtra University, Rajkot.</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Expert Member</td>
<td>Board of Studies in Accounting, M.S. University of Baroda.</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Expert Member</td>
<td>Board of Faculty of Commerce, M.S. University of Baroda.</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member of Departmental Research Committee</td>
<td>Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar.</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>President</td>
<td>Alumni Association, P.G. Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar.</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Dr. S. K. Bhatt</td>
<td>Counselor</td>
<td>IGNOU, New Delhi &amp; Baba Sahib Ambedkar Open University at Vallabh Vidyanagar Study Centre.</td>
<td>Academic</td>
</tr>
<tr>
<td>Life Member</td>
<td>All India Commerce Association and All India Accounting Association</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Life Member</td>
<td>The Indian Institute of Public Administration (IIPA) New Delhi.(Membership No.-L 11257.)</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Joint Secretary</td>
<td>Indian Commerce Association for tenure of 3 years. (2012 to 2015).</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Vice President</td>
<td>SPUTA</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Dr. C. K. Sonara</td>
<td>Life Member</td>
<td>Indian Accounting Association, Udaipur</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Name of the Teacher</td>
<td>Nature of Contribution</td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
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<td>----------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Dr R P Patel</td>
<td>Member, Board of Studies in Management, Bhavnagar University, Bhavnagar</td>
<td>Member, Editorial Board of <strong>Yanbu Journal of Management and Research (YJMR)</strong> published by Department of Industrial Management Technology, Yanbu Industrial College, Saudi Arabia.</td>
<td></td>
</tr>
<tr>
<td>Miss D. S. Rohit</td>
<td>Life Member</td>
<td>All India Commerce Association</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Alumni Association Of P.G.Department Of Business Studies, Sardar Patel University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Sputa</td>
<td></td>
</tr>
<tr>
<td>Dr. R. M. Joshi</td>
<td>Member</td>
<td>Board of Studies in Commerce – S. P. University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Board of Studies in Commerce – Bhavnagar University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Board of Studies in Management – Bhavnagar University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Executive Board - Bhavnagar University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>I.I.P.A New Delhi</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Vice - President</td>
<td>I.I.P.A Local Branch – V.V. Nagar</td>
<td></td>
</tr>
<tr>
<td>Dr. Y.M. Dalwadi</td>
<td>Joint Secretary</td>
<td>Alumni Association- Dept of Business Studies</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Treasurer</td>
<td>All Indian Accounting Association- Gujarat Branch</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Secretary</td>
<td>Junior Chamber International: Vallabh Vidyanagar</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Member IQAC Committee</td>
<td>Shri. I V Patel College of Commerce, Nadiad</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>All India Commerce Association</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Alumni Association Of P.G.Department Of Business Studies, Sardar Patel University</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Sputa</td>
<td></td>
</tr>
</tbody>
</table>

**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 2012-13.
Member, Editorial Board of *Journal of Management “Synergy”* (ISSN -0973-922X) published by G. H. 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
Chairman of Third Technical Session in One Day National Seminar on Understanding Rural Customers 2nd February 2013.

Worked as external expert in IQAC (Internal Quality Assurance Cell) of I.V. Patel College of Commerce, Nadiad

Worked as member of Committee formed by Sardar Patel University to prepare proposal for financial assistance under the Scheme of Free Coaching for Schedule castes and OBC’s students.

Attended series of lectures organized by Sri Aurobindo Chair of Integral Studies, Sardar Patel University, Expositions on Srimad Bhavad Gita, 28 to30 March 2013 by Dr. Sampadanand Mishra, Director Sri Autobindo Foundation for Indian Culture.

Mr K S Prasad
Worked as GTU External Examinar for Viva-Voce for MBA (sem-1 and sem-111) students.

Member of Youth Festival of Sardar Patel University.

Arranged Job-Placements for Approx. 70 % of the students of 2012-2013 batch.

(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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. D. R. Dave</td>
<td>Member in the departmental committee for undertaking research for Election Commission of India for KABBP Survey in Gujarat</td>
</tr>
<tr>
<td>Dr. R.M. Rathod.</td>
<td>Evaluation of training program in association with Ocean Agro (I) Ltd. as a subject expert at International Agribusiness Management Institute, Anand Agricultural University, Anand on 27th April 2012.</td>
</tr>
<tr>
<td></td>
<td>Did field work in Election Survey assigned by Election Commission, Government of Gujarat, at various places such as Bharuch, Kim, Surat, Valsad, Dediapada, Waghdia, 4-5 July 2012. Participated in data analysis and report writing</td>
</tr>
<tr>
<td>Dr. K.S.Prasad</td>
<td>Did field work in Election Survey assigned by Election Commission, Government of Gujarat, at various places such as Rakot, Jamnagar Dwarka, Probandar and Bhavnagar 3- 4-5 July 2012.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. R.M. Rathod</td>
<td>Vice President (Training)</td>
<td>Junior Chamber International – Vallabh Vidyanagar</td>
<td>Non-Government</td>
</tr>
<tr>
<td></td>
<td>Secretary</td>
<td>Sardar Patel University’s Teachers Association</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Executive Member</td>
<td>Indian Institute of Public Administration, Vallabh Vidyanagar Branch</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member in Team Editor</td>
<td>Shilshrutam – News Bulletin of Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. K.S.Pravad</td>
<td>Secretary</td>
<td>Anand Vyjanagar Leadership Association</td>
<td>Non-Government – Industrial Association</td>
</tr>
</tbody>
</table>

DEPARTMENT OF ECONOMICS

(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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.P. Trivedi, D.J. Chauhan, J.K. Barot, Manish Patel</td>
<td>Prepaid a syllabus of three Papers for the three Semesters in M.A. Economics Department in the area of Research Methodology and Computer Application and Economics</td>
</tr>
</tbody>
</table>

(b) Impact of Significant Contributions of the Teachers of the Department/College on Thrust Areas (Such as National Project (in terms of project consultancy/membership of the advisory committee during 2012-13)

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>H.P. Trivedi</td>
<td>Member Ph.D. Pre Registration RDC Meeting</td>
</tr>
<tr>
<td></td>
<td>Member Planning and Monitoring Board, Sardar Patel University, Vallabh Vidynagar</td>
</tr>
</tbody>
</table>

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. H.P. Trivedi</td>
<td>Dean, Faculty of Arts</td>
<td>Sardar Patel University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Budget Committee</td>
<td>Sardar Patel University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Press Committee</td>
<td>Sardar Patel University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Expert Member, Research Committee, P.G. Department of Home Science</td>
<td>Sardar Patel University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Research and Development Committee,</td>
<td>Saurashtra University, Rajkot.</td>
<td>Academic</td>
</tr>
<tr>
<td>Name</td>
<td>Position</td>
<td>Institution</td>
<td>Academic/Non-Academic</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>Dr. D.J. Chauhan</td>
<td>Executive Member, SPUTA&lt;br&gt;Managing Editor, Artha Vikas, Journal Published By Department of Economics&lt;br&gt;Chairman, Board of Studies in Economics&lt;br&gt;Life Member Gujarat Economic Association, Ahmedabad&lt;br&gt;Life Member Indian Economic Association, Mumbai</td>
<td>Sardar Patel University, V.V.Nagar&lt;br&gt;Sardar Patel University, V.V.Nagar&lt;br&gt;Sardar Patel University, V.V.Nagar&lt;br&gt;Academic</td>
<td>Academic/Life Member</td>
</tr>
<tr>
<td>Dr. Sonal Bhatt</td>
<td>Member: Women’s Cell, Department of Economics&lt;br&gt;Member: Student Harassment Cell, Department of Economics&lt;br&gt;Assistant Editor of Artha Vikas Journal Published By Department of Economics&lt;br&gt;Member of Board of Studies, Economics,</td>
<td>Sardar Patel University, V.V.Nagar&lt;br&gt;Sardar Patel University, V.V.Nagar&lt;br&gt;Sardar Patel University, V.V.Nagar&lt;br&gt;Hemchandracharya North Gujarat University, Patan</td>
<td>Academic/Academic/Academic/Academic</td>
</tr>
<tr>
<td>Shri J.K. Barot</td>
<td>Member of Board of Studies, Economics,</td>
<td>Hemchandracharya North Gujarat University, Patan.</td>
<td>Academic</td>
</tr>
</tbody>
</table>
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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Jigish M Pandya</td>
<td>Board of Studies in History at the SP University Vallabh Vidyanagar</td>
</tr>
<tr>
<td></td>
<td>Active Participation in organizing Annual Day celebration,</td>
</tr>
<tr>
<td></td>
<td>Invigilator in External and Internal Examinations of the University</td>
</tr>
<tr>
<td>Shri D C Chaudhari</td>
<td>Participation as Member, Flying Squad, External Exam, SP University</td>
</tr>
<tr>
<td></td>
<td>Invigilator in External and Internal Examinations of the University</td>
</tr>
<tr>
<td></td>
<td>Active Participation in organizing Annual Day celebration, Study Tour, Youth Festivals, etc</td>
</tr>
<tr>
<td>Dr Hemant Dave</td>
<td>Participation as Member, Flying Squad, External Exam, SP University</td>
</tr>
<tr>
<td></td>
<td>Invigilator in External and Internal Examinations of the University</td>
</tr>
<tr>
<td></td>
<td>Active Participation in organizing Annual Day celebration, Study Tour, Youth Festivals, etc</td>
</tr>
<tr>
<td></td>
<td>Additional Board, Prajna, SPU Journal for Humanities &amp; Social Sciences</td>
</tr>
</tbody>
</table>

(b) Impact of Significant Contributions of the Teachers of the Department/College on Thrust Areas (Such as National Project (in terms of project consultancy/membership of the advisory committee during 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Hamant Dave</td>
<td>Called upon to join Darshan Itihas Nidhi (DIN), Vadodara, as Permanent Co-Oplied Member (21/2/2013). DIN is a Premvee institution and develop enhance historical learning and research, and has arranged several international symposia on history of Gujarat.</td>
</tr>
</tbody>
</table>

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof Jigish M Pandya</td>
<td>Member</td>
<td>Board of Studies in History</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Sardar Patel University, VV Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Bhavnagar University, Bhavnagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Saurashtra University, Rajkot</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td></td>
<td>VeerNarmad South Gujarat University, Surat</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Indian Historical Record commission, New Delhi</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Indian History Congress</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Vice President</td>
<td>Ithiash Adhyapak Mandal, Ahemedabad</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>National Archives of India New Delhi</td>
<td>Academic</td>
</tr>
<tr>
<td>Name of the Teacher</td>
<td>Nature of Contribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. U. A. Thaker</td>
<td>Participation in the academic visit of the students of BLISc and MLISc at various Library at Ahmedabad&lt;br&gt;Member of Curriculum committee at different Universities in Gujarat&lt;br&gt;Lectures delivered on Reading Habits under “VANCHE GUJARAT” Programme at N. V. Patel Science College, Vallabh Vidyanagar&lt;br&gt;How to review the book for LIS Students&lt;br&gt;How to face the Interview</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dr. N.D. Oza</td>
<td>Participation in the academic visit of the students of BLISc and MLISc at various Library at Ahmedabad&lt;br&gt;Participated in Syllabus restructuring Committee&lt;br&gt;Resource person for the Department in Life Enrichment Studies and Soft Skill paper under CBCS Courses</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(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 2012-13.

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<thead>
<tr>
<th>Name of the Teacher</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Prof U A Thaker</td>
<td>National Level Expert Committee, UGC&lt;br&gt;Subject expert, State level committee, GSLET&lt;br&gt;Member of Selection committee in all universities of Gujarat and out of Gujarat&lt;br&gt;Academic and curriculum committee, Gujarati University, Gujarat Vidyapith&lt;br&gt;Member of RDC, Saurashtra University- Rajkot, Avadh University- Udaipur and other universities.&lt;br&gt;Chairperson, Board of Studies on Library &amp; Information Science, S.P.University</td>
</tr>
</tbody>
</table>

<table>
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<tr>
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<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. U. A. Thaker</td>
<td>Member of Academic Council</td>
<td>Gujarat Vidyapith</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Adhoc Board</td>
<td>Gujarat Vidyapith</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Examination Body</td>
<td>Gujarat Vidyapith</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Selection committee</td>
<td>Gujarat Vidyapith</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Adhoc Board</td>
<td>Gujarat University, A`bad</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Adhoc Board</td>
<td>Bhavnagar University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Examination Body</td>
<td>Bhavnagar University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Selection committee</td>
<td>Bhavnagar University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Selection and Adhoc committee</td>
<td>H N G University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member, Knowledge Consortium for Gujarat</td>
<td>Commissioner of Higher Education, Gujarat State</td>
<td>Government</td>
</tr>
<tr>
<td></td>
<td>Member of Curriculums Revision Committee</td>
<td>Gujarat Vidyapith &amp; Gujarat University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member working group of Library Networking in Gujarat</td>
<td>Commissioner of Higher Education, Gujarat State</td>
<td>Government</td>
</tr>
<tr>
<td></td>
<td>Member Task Force Committee for NMICT</td>
<td>S. P. University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Chairperson, Board of Studies on Library &amp; Information Science</td>
<td>S. P. University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Subject Experts, Commission for Scientific &amp; Technical Terminology</td>
<td>MHRD, Govt. of India</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. N. D. Oza</td>
<td>Member of Board of Studies</td>
<td>S. P. University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Examination Body</td>
<td>S. P. University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member of Selection committee</td>
<td>S. P. University</td>
<td>Academic</td>
</tr>
</tbody>
</table>

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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D.Mishra</td>
<td>Organizing committee member at Sardar Patel University Convocation Programs</td>
</tr>
<tr>
<td>Dr. S.D.Mishra</td>
<td>Committee member in various Administrative Task of Sardar Patel University</td>
</tr>
</tbody>
</table>
(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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Project Associate: Baseline survey of Knowledge, Attitude, Behavior, Belief and Practice Amongst Voters of Gujarat April 2012.</td>
</tr>
<tr>
<td></td>
<td>Member at National Social Work Consultation organized TISS.</td>
</tr>
<tr>
<td>Dr. Bigi Thomas</td>
<td>Member, Committee constituted by Sardar Patel University for District Human Development Report of Panchmahal District as per MOU signed between Sardar Patel University and Human Development Department of Government of Gujarat.</td>
</tr>
<tr>
<td></td>
<td>Member, Committee for Students Counseling cell constituted by S. P. University.</td>
</tr>
<tr>
<td></td>
<td>N.S.S camp Co-ordinator, Department of Social work, held in the month of March, 2013.</td>
</tr>
</tbody>
</table>

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Member at Inter-disciplinary committee</td>
<td>Saurashtra University, Rajkot</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member at Selection Committee at</td>
<td>HNGU Patan and Saurashtra university</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member Editorial Board at International</td>
<td>Scientific and Engineering Research, Houston, TX 77043, USA</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Cluster Coordinator, Knowledge Consortium of Gujarat</td>
<td>Sardar Patel University</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Indian Society Of Professional Social Work, Bangalore</td>
<td>Non-Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Student Counseling Centre, Sardar Patel University</td>
<td>Non-Academic</td>
</tr>
<tr>
<td></td>
<td>NSS Advisory Committee Member</td>
<td>Sardar Patel University</td>
<td>Non-Academic</td>
</tr>
<tr>
<td>Dr. S.R. Prabhakar</td>
<td>Life Member</td>
<td>BMA, Baroda</td>
<td>Non government</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Gujarat Mahila Parishad</td>
<td>Non government</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>NAPSWI</td>
<td>Non government</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>IASSW</td>
<td>Non government</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>BMA, Baroda</td>
<td>Non government</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Gujarat Mahila Parishad</td>
<td>Non government</td>
</tr>
</tbody>
</table>
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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Baldev Agja</td>
<td>Joint secretary Indian Institute of Public Administration Local branch, Vallabh Vidyanagar, Gujarat</td>
</tr>
<tr>
<td></td>
<td>Life Member &amp; Member Executive, Gujarat State Scheduled caste- Scheduled tribes College and University Teacher’s Association, Surat</td>
</tr>
<tr>
<td></td>
<td>Member, Advisory Committee Dr. Babasaheb Ambedkar Chair, Sardar Patel University, Vallabh Vidyanagar</td>
</tr>
<tr>
<td></td>
<td>Member, Advisory Committee at University Level, UGC Establishment of Special Cell for SC’ST in Sardar Patel University, Vallabh Vidyanagar</td>
</tr>
<tr>
<td></td>
<td>Member of Exam Reform Unit, Sardar Patel University, Vallabh Vidyanagar</td>
</tr>
<tr>
<td></td>
<td>Member of The Faculty of Arts Sardar Patel University, Vallabh Vidyanagar</td>
</tr>
</tbody>
</table>

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Baldev Agja</td>
<td>Review Expert Committee Member</td>
<td>Constituted by the University Grants Commission Chairman for on-the spot-inspection of the Gandhigram Rural Institute, Gandhigram- 324 302, Dindigual District, Tamil Nadu, during 7-9 January, 2010</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Expert Committee Member</td>
<td>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 consider the proposal of the University for assistance under XI Five Year Plan.</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>UGC Nominee</td>
<td>Planning and Monitoring Board of Kannur University, Kannur, Kerala for a period of 4 years.</td>
<td>Academic</td>
</tr>
<tr>
<td>Role</td>
<td>Details</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Research Committee Member</td>
<td>Gandhi Peace Foundation, New Delhi, in association with Gujarat Vidyapith and the University Grants Commission propose to organize an Orientation Course for the Coordinators of the Centres of Gandhian Studies in the Universities and Colleges.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Expert Committee Member</td>
<td>UGC has constituted an Expert Committee member, Malankara Catholic College, Mariagiri, Kaliakkavilai Post, Kanyakumari District-629 153, Tamil Nadu affiliated to Manonmaniam Sundaranar University, Abishekappati, Tirunelveli-627 012</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Co-ordinator, NET Coaching Centre</td>
<td>UGC Scheme New Delhi S.P. University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Member</td>
<td>The Indian Political Science Association (IPSA)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Life Member</td>
<td>Indian Institute of Public Administration</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Regional Secretary</td>
<td>Political Science Association (Gujarat Rajyashastra Mandal-GRM), Ahmedabad</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vice-President &amp; Life Member</td>
<td>Gujarat State Scheduled Caste/Scheduled Tribes Teaching and non-teaching Mahamandal, Visnagar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Counsellor</td>
<td>EPS-1.3.5.6, Study Centre, Vallabhbh Vidyanagar, Indira Gandhi National Open University (IGNOU), New Delhi</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Former Secretary</td>
<td>Sardar Patel University Teacher’s Association (SPUTA), Vallabh Vidyanagar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Advisory Member</td>
<td>Centre of Excellence for Ethics in Politics and Public Administration funded by the Government of Gujarat. (S.P. University)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Board of Studies in Political Science, Sardar Patel University, V.V. Nagar</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Board of Studies in Political Science, Bhavnagar University</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Board of Studies in Political Science, in Krantiguru Shyamji Krishna Verma, Kachchh University, Bhuj</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Role</td>
<td>Organization</td>
<td>Location</td>
<td>Academic Status</td>
</tr>
<tr>
<td>------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Guide for Ph.D</td>
<td>Political Science, Sardar Patel University, V. V. Nagar</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Guide for Ph.D.</td>
<td>Peace Studies and Resolving conflict in Gujarat Vidyapith, Ahmedabad</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Guide for Ph.D.</td>
<td>Political Science in Krantiguru Shyamji Krishna Verma, Kachehh University, Bhuj</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Regional Secretary</td>
<td>Gujarat Rajyasashtra Mandal, V.V. Nagar</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Founder Secretary</td>
<td>Dr. Ambedkar Pragati Mandal, Akhaj, Dist. Mehsana Gujarat</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Life Member</td>
<td>Sant Shri Rohidas Seva Samaj Gujarat, Gandhinagar</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Life Member</td>
<td>Mahesana District Nagrik Mitra Mandal, Anand, V.V. Nagar</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Active Member</td>
<td>“Kadam” Manav Sangh, Anand</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Active Member</td>
<td>Council for Social Justices, Ahmedabad</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Executive Member</td>
<td>Gandhi Shanti Chhatra Sangha, Ahinsha Sodh Sansth, Gujarat Vidyapith, Ahmedabad</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Advisory committee NET coaching centre for SC/ST &amp; Minorities U.G.C., New Delhi Scheme in Bhavnagar University, Bhavnagar.</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>AIFUCTO (All India Federation of University &amp; College Teachers Organisations), Kolkata, (West Bengal).</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Exam Reforms Unit, Sardar Patel University, V.V. Nagar</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Vidyalaya Management Committee (VMC), Central School, V.V. Nagar</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Ms. Ranjana C. Dholakia</td>
<td>Grm Executive Committee</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Mr. Hitesh R. Patel</td>
<td>Sputa General Body</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>SPUTA (Sardar Patel University Teacher’s Association)</td>
<td>Academic</td>
<td></td>
</tr>
<tr>
<td>Member</td>
<td>Gujarat Rajyasashtra Mandal</td>
<td>Academic</td>
<td></td>
</tr>
</tbody>
</table>
### 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

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
</table>
| Dr. P.S. Suvera     | Participation as member Flying Squad and Press Duty External Examination, Sardar Patel University  
                     Invigilator in External and Internal Examination of the University  
                     Active Participation in organizing annual day, Celebration study tour, Youth festival etc.  
                     Student Counselling, Social Activity, Tribal Awareness Program, Tribal rights etc. |
| Dr. S.M. Makwana    | Academic, curricular activity Sri Aurobindo Chair of Integral Studies from M.A Semester –II- Life enrichment course-November-December 2012  
                     Participation and presented the paper in academic ISCA-3\textsuperscript{rd} to 7\textsuperscript{th} January 2013 |

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2011-12.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P.S. Suvera</td>
<td>Member</td>
<td>S. P. University Advisory comity for Sedulede Cast and Seduelde Tribe</td>
<td>Academic/Government</td>
</tr>
<tr>
<td></td>
<td>Secretary</td>
<td>Akhil Gujarat College and University Adivasi Teacher Association</td>
<td>Academic/Non-Government</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Bord of Studies in Psychology Sardar Patel University</td>
<td>Academic/Government</td>
</tr>
<tr>
<td>Dr. S.M. Makwana</td>
<td>Member</td>
<td>1.Sri Aurobindo chair of integral studies S.P.Uni.</td>
<td>Government</td>
</tr>
</tbody>
</table>

### 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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr R H Makwana</td>
<td>Member, University Advisory Committee for SC/ST, SPU</td>
</tr>
</tbody>
</table>
(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 2012-13.

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Impact</th>
</tr>
</thead>
</table>
| Dr J M Trivedi      | Appointed and marked as member coordinator in NAAC PEER TEAM for assessment and accreditation of colleges  
                     Subject expert in B.O.S in sociology, Gujarat vidyapth, ahmedabad  
                     Academic advisor for GPSC, guj govt.  
                     Subject expert in R.D.C for sociology, Gujarat vidyapith, VNSGU |
| Dr R H Makwana      | Convener RC-18 sociology of crime & deviance under Indian sociological society, new delhi  
                     Secretary, Gujarat sociological society, ahmedabad |

(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. J.M. Trivedi</td>
<td>Social scientist</td>
<td>NDDB, Anand</td>
<td>Govt.</td>
</tr>
<tr>
<td></td>
<td>Member coordinator</td>
<td>NAAC, Banglore</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Subject expert</td>
<td>Gujar vilapyath, Bhavnagar uni, VNSGU Surat</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Director of centre</td>
<td>Committee for area studies, UGC, New Delhi</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. P.M. Parmar</td>
<td>Member</td>
<td>BOS, SPU</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Gujarat sociological society</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Indian sociological society</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. R.M. Makwana</td>
<td>Ex. Member</td>
<td>BOS – Sociology, SPU</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Ex. Member</td>
<td>BOS – Sociology, kutchchh Uni</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. I.M. Macwan</td>
<td>Ex. Member</td>
<td>Gujarat sociological society</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>BOS</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>SPUTA</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. H.N. Patel</td>
<td>Life member</td>
<td>Gujarat sociological society</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>All Indian sociological society</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>BOS, SPU</td>
<td>Academic</td>
</tr>
</tbody>
</table>
### 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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr J H Khan</td>
<td>Honorary Director, NV Patel Postgraduate Department of Communication and Media Studies, Sardar Patel University, Vallabh Vidyanagar (01 July 2008 onward)</td>
</tr>
<tr>
<td></td>
<td>Honorary Director, International Students Centre, Sardar Patel University, Vallabh Vidyanagar (19 August 2006 onward).</td>
</tr>
<tr>
<td></td>
<td>Honorary Director, Centre for Training and Research in Language and Communication, Sardar Patel University, Vallabh Vidyanagar (01 June 2004 onward).</td>
</tr>
<tr>
<td></td>
<td>Director, LETS Programme, Sardar Patel University, Vallabh Vidyanagar (23 September 2011 onward)</td>
</tr>
<tr>
<td></td>
<td>Professor-in-Charge, Humanities and Social Sciences Building, Sardar Patel University, Vallabh Vidyanagar (10 February 2010 onward).</td>
</tr>
<tr>
<td></td>
<td>Coordinator, UGC SAP-DRS (Phase-II), Department of English, Sardar Patel University, Vallabh Vidyanagar (01 April 2009 to 31 March 2014)</td>
</tr>
<tr>
<td></td>
<td>Coordinator, Internal Quality Assurance Cell (IQAC), Sardar Patel University, Vallabh Vidyanagar (01 November 2012 onward; earlier Co-Coordinator: 30 June 2008 to 31 October 2012).</td>
</tr>
<tr>
<td></td>
<td>Chairman, Ad hoc Board of Communication and Media Studies, Sardar Patel University, Vallabh Vidyanagar (01 July 2008 onward)</td>
</tr>
<tr>
<td></td>
<td>Member, Library Committee, Sardar Patel University, Vallabh Vidyanagar (01 June 2009 onward).</td>
</tr>
<tr>
<td></td>
<td>Member, Library Purchase Committee, Sardar Patel University, Vallabh Vidyanagar (10 February 2010 onward).</td>
</tr>
<tr>
<td></td>
<td>Coordinator, UGC Remedial Coaching Centre for Students of SC, ST, and Minority Categories, Sardar Patel University, Vallabh Vidyanagar (30 June 2008 to 31.3.2012)</td>
</tr>
<tr>
<td></td>
<td>Member, College Development Council, Sardar Patel University, Vallabh Vidyanagar (01 June 2011 to 31 March 2012)</td>
</tr>
</tbody>
</table>

### 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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr.Pinakini Pandya</td>
<td>Member of Women cell</td>
</tr>
<tr>
<td></td>
<td>Member Of ICQA</td>
</tr>
<tr>
<td></td>
<td>Chairman, R.P.G.</td>
</tr>
<tr>
<td></td>
<td>Member of Advisory committee of ladies hostel</td>
</tr>
<tr>
<td></td>
<td>Member of library committee</td>
</tr>
<tr>
<td></td>
<td>Member of board of studies in Guj.,S.P.U</td>
</tr>
<tr>
<td>Name of the Teacher</td>
<td>Name of the Position Held</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Dr.B.R.Brahmbhatt</td>
<td>Co-opt Member</td>
</tr>
<tr>
<td></td>
<td>Co-opt Member</td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>External member</td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td>Dr.P.D.Pandya</td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td>Dr.Param Pathak</td>
<td>Co-opt member</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Member</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Dr. Jayendra Patel | Co-opt Member | Board of Studies in Gujarati, Uttar Gujarat Uni., Patan | Academic |
| Subject expert | Kerala Gov. Pathyapustak samiti, Kerala | Academic |

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 2012-13

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of Contribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. N.K. Chauhan</td>
<td>Participation As Well As Co-Operation In Cultural &amp; Academic Activities In The Department &amp; University.</td>
</tr>
<tr>
<td>Dr. D.S. Tripathi</td>
<td>Managing Editor Of “Prajna” Journal Of Humanities Social Science And Business Administration.</td>
</tr>
<tr>
<td>Dr. M.M. Sharma</td>
<td>Contribution To Academic &amp; Cultural Activities Of The Department As Well As University Such As Youth Festival, Valedictory Function Of Employees, Sports Etc.</td>
</tr>
<tr>
<td>Dr. H.M. Parmar</td>
<td>To Give Guidance To The Students For Essay And Debat Comletion And Culturer Activities.</td>
</tr>
<tr>
<td>Dr. K.V. Bhokri</td>
<td>Participation As Well As Co-Operation In Cultural &amp; Academic Activities In The Department &amp; University.</td>
</tr>
<tr>
<td>Dr. S.R. Rathod</td>
<td>Participation As Well As Co-Operation In Cultural &amp; Academic Activities In The Department &amp; University.</td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization Academic/Government/Non-Government</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. N.K. Chauhan</td>
<td>Member</td>
<td>Board Of Studies In Hindi, S.P.Uni</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Sputa</td>
<td>Academic Non-Govt.</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>P.W.A.</td>
<td>Academic Non-Govt.</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Yuvakbiradari, Mumbai</td>
<td>Cultural &amp; Academic</td>
</tr>
<tr>
<td></td>
<td>President,</td>
<td>‘Hau’ Lalit Kala Munch, V.V.Nagar</td>
<td>----</td>
</tr>
<tr>
<td></td>
<td>Nodel Officer,</td>
<td>S.P.University</td>
<td>Govt.</td>
</tr>
<tr>
<td>Dr. D.S. Tripathi</td>
<td>Member</td>
<td>Board Of Studies In Hindi</td>
<td>S.P.University Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Board Of Studies In Hindi, M.S.Uni.</td>
<td>Baroda</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Hindi Sahitya Parisad</td>
<td>Dept. Hindi Allahabad Uni.</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Sputa</td>
<td>S.P.University (Non-Govt.)</td>
</tr>
<tr>
<td>Dr. M.M. Sharma</td>
<td>Member</td>
<td>Board Of Studies In Hindi, S.P.Uni</td>
<td>Academic Non-Govt.</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Sputa</td>
<td>S.P.University (Non-Govt.)</td>
</tr>
<tr>
<td>Dr. H.M. Parmar</td>
<td>Member</td>
<td>Board Of Studies In Hindi</td>
<td>Academic, S.P.Uni. V.V.Nagar</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Sardar Patel University Teacher Association (Sputa)</td>
<td>Hindi Dept. S.P.Uni</td>
</tr>
<tr>
<td>Name of the Teacher</td>
<td>Nature of Contribution</td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Prof. Dr. Niranjan Patel</td>
<td>‘Shilshrutam’ University News letter, Editor</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>‘Pragna’ University Journal, Editor</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Name of the Position Held</th>
<th>Name of the Organization</th>
<th>Nature of the Organization</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Dr. Niranjan Patel</td>
<td>Life Member</td>
<td>AIOC Puna</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Akhil Bharatiya Darshan Parishad, Jabalpur</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Chairman</td>
<td>Board of studies, Sanskrit, S.P. University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Faculty of Arts, S.P. University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Gujarat State Colleges and University, Sanskrit Teacher’s Association</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Sardar Patel University Teacher’s Association - SPUTA, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Charotar Sanskrit Parishad, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Academic Council, S.P. University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Co-Up Member</td>
<td>Ved Vidya Pratishthan, Vadodara</td>
<td>Academic</td>
</tr>
<tr>
<td>Dr. Prafull V. Joshi</td>
<td>Member</td>
<td>Board of studies, Sanskrit, S.P. University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Faculty of Arts, S.P. University, V.V. Nagar</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Gujarat State Colleges and University, Sanskrit Teacher’s Association</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Life Member</td>
<td>Saurashtra Sanskrit Adhyay Parrishad, Rajkot</td>
<td>Academic</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Sardar Patel University Teacher’s Association-SPUTA, V.V. Nagar</td>
<td>---</td>
</tr>
<tr>
<td></td>
<td>Member</td>
<td>Charotar Sanskrit Parishad, V.V. Nagar</td>
<td>---</td>
</tr>
</tbody>
</table>
(3) PROCESSES DEVELOPED/ RELEASED BY THE POSTGRADUATE DEPARTMENTS

DEPARTMENT OF BIOSCIENCES

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Details of Process</th>
<th>Period (Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Datta Madamwar</td>
<td>Isolation of high molecular weight Metagenomic DNA from highly polluted soil</td>
<td>---</td>
</tr>
<tr>
<td>Dr. Datta Madamwar</td>
<td>Purification of phycobiliproteins from Cyanobacteria</td>
<td>---</td>
</tr>
</tbody>
</table>

DEPARTMENT OF PSYCHOLOGY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Details of Process</th>
<th>Period (Date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.M. Makvana</td>
<td>Life enrichment course it is Choice base credit system course June to November</td>
<td>2012-2013</td>
</tr>
<tr>
<td></td>
<td>Invited the chief Guest of lecture on Arts and Science college-Borsad</td>
<td>12-09-2012</td>
</tr>
<tr>
<td>Dr. S.M. Makvana</td>
<td>Life enrichment course it is Choice base credit system course June to November</td>
<td>2012-2013</td>
</tr>
<tr>
<td></td>
<td>Invited the chief Guest of lecture on Arts and Science college-Borsad</td>
<td>12-09-2012</td>
</tr>
</tbody>
</table>


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) Smt Kashiben and Shri Gordhanbhai Patel Scholarship for PG Students year 2012-13

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Name of Students</th>
<th>Name of Department</th>
<th>Amount of Scholarship Rs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Ms. Parul Ashok Gupta</td>
<td>M.Sc., Department of Physics</td>
<td>10,000/-</td>
</tr>
<tr>
<td>2</td>
<td>Ms. Priyankaben Kanaksinh Rathva</td>
<td>M.Sc., Department of Chemistry</td>
<td>10,000/-</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Krupal Kanubhai Patel</td>
<td>M.Sc., Department of Biosciences</td>
<td>10,000/-</td>
</tr>
<tr>
<td>4</td>
<td>Ms. Hetalben Rameshbhai Talapara,</td>
<td>M.Sc. Department of Home Science</td>
<td>10,000/-</td>
</tr>
<tr>
<td>5</td>
<td>Ms. Zankhna Jagdishchandra Mali,</td>
<td>M.Sc. Department of Mathematics</td>
<td>10,000/-</td>
</tr>
<tr>
<td>6</td>
<td>Ms. Ayushi Akhil Chaturvedi</td>
<td>M.Sc. Department of Statistics</td>
<td>10,000/-</td>
</tr>
<tr>
<td>7</td>
<td>Mr. Abhijnan Asiskumar Chowdhuri</td>
<td>M.Sc. Department of Materials Science</td>
<td>10,000/-</td>
</tr>
<tr>
<td>8</td>
<td>Mr. NimitKumar Jayashkumar Gandhi</td>
<td>M.Sc. Department of Electronics</td>
<td>10,000/-</td>
</tr>
</tbody>
</table>
3.8 ACTIVITIES OF CHAIRS

VIII. Activities of Chairs

(1) Sardar Patel Chair
(1) A lecture of “Sradar Vallabhbhai Patel-deshi rajyo nu ekikaran” organized on one day sibir on /02/ 2013.
(2) One day seminar on ‘Sardar Patel ane jaher jivan’

(2) Bhaikaka Adhyayan Akam Prakalp
(1) Bhaikaka Adhyayan Akam Prakalp Chair- Talim Shibir was organized on 18/02/2013 to 20/02/2013 for of Anand District College.
(2) Essay competition was organized for Secondary School Students.

(3) Corporation Bank Chair in Management (MBA)
(1) A Lecture series on “Union Budget 2012-2013 Prospects and Implications” on 17/03/2013.
(4) **Aurobindo Chair of Integral Studies**
(1) Lecture of Workshops on “Srimad Bhagvad Gita” on 28/02/2013 to 30/03/2013
(2) Lecture of Workshops on “The Greatness of the Gita” on 28/03/2013
(3) Lecture of Workshops on “What does the Gita teach us” on 28/03/2013
(4) Lecture of Workshops on “Srimad Bhagavad Gita – A Participatory workshop with multimedia presentation” on 29/03/2013
(5) Lecture of Workshops on “work for the Divine – The Secret of Karmayoga” on 29/03/2013
(6) Lecture of Workshops on “Message of the Gita for Health Professionals” on 30/03/2013

(5) **The Mota Chair**
(1) A lecture organized on 17/08/2012 of Dr. J.P.Maiyani, on “Vaikhyan” Education Department Sardar Patel University.

(8) **ACTIVITIES OF ASSOCIATED CENTRE/CHAIRS/CELL IN 2011-12**

**DEPARTMENT OF HISTORY**
Department of History, S.P. Uni. is Associated with Sardar Patel Adhyayan Ekam Prakalp (CHAIR) Sradar Patel University and organized Department level academic symposium on 26th February 2013 for the students. Prof. S.V. Jani (Rtd) Professor and Head, Saurashtra University, Rajkot gave Expert talk “Sardar Patel and the Unification of India”

3.9 **ACADEMIC CENTRES**

(1) **CHAROTAR VIYDA MANDAL FOR GANDHIAN STUDIES CENTRE**
- On Gandhi Jayanti 02/10/2013 organized of Pushpanjali at Gandhiji statute.
- A Organized Serva Dharma Mela on 08/02/2013.

(2) **SHRI C C PATEL 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 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. CSC is generally informal and usually it aims to strengthen science trough various activities. Dr. Ujjval Trivedi is the Honorary Director of SPU-CSC, Prof. K. N. Joshipura is the Honorary Advisor of SPU-CSC

**OBJECTIVES**

**GENERAL**
To carry out activities that motivates the students of school and colleges towards a sound learning of science.  
To inculcate broad scientific view, love for nature and care for the environment in the society in general.  
To provide a forum for healthy discussion on aspects of education, training and researches in Science and Technology.  
To celebrate specific occasions like National Nutritional Week, Wild Life Week, National Science Day, National Technology Day etc. with appropriate programmes.

**FUNCTIONS**

To promote dissemination of knowledge in science and Technology to our rural as well as urban communities, particularly to children in an entertaining manner.  
To communicate to our society the impact of these scientific developments.  
To give suitable programmes and activities for students, teachers and common public.  
To collaborate with other organizations and institutions on specific programmes.

**C. C. PATEL COMMUNITY SCIENCE CENTRE ACTIVITIES 2012-2013**

<table>
<thead>
<tr>
<th>Total number of programmes conducted by CSC (Details)</th>
<th>147</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total number of days</td>
<td>About 150</td>
</tr>
<tr>
<td></td>
<td>out of 200 working days</td>
</tr>
<tr>
<td>Total number of beneficiaries</td>
<td>More than 35,000</td>
</tr>
<tr>
<td>1. No. of Scientific programmes*</td>
<td>147</td>
</tr>
<tr>
<td>2. No. of Training programmes/Meeting attended by CSC coordinator/communicator</td>
<td>16</td>
</tr>
<tr>
<td>3. No. of programmes conducted at Community Science Centre</td>
<td>41</td>
</tr>
<tr>
<td>4. No. of programmes conducted at District Head Quarter (Out of CSC)</td>
<td>58</td>
</tr>
<tr>
<td>5. No. of Programmes conducted out of District Head Quarter (Out of Anand-Vidyanagar)</td>
<td>50</td>
</tr>
<tr>
<td>6. No. of Training Programmes conducted by CSC</td>
<td>17</td>
</tr>
<tr>
<td>7. No. of School Level Programmes</td>
<td>74</td>
</tr>
<tr>
<td>8. No. of College Level Programmes</td>
<td>36</td>
</tr>
<tr>
<td>9. No. of Community programmes on</td>
<td>33</td>
</tr>
<tr>
<td>(Health, Women &amp; Child, Farmers, Superstitions)</td>
<td></td>
</tr>
<tr>
<td>10. No. of Programmes Organized / Expert service provided by CSC with Financial Assistance other than GUJCOST</td>
<td>06 Partial funding 01 Full funding (DST-New Delhi)</td>
</tr>
</tbody>
</table>
(3) WOMEN'S STUDIES CENTRE

ESTABLISHMENT
Acting on the initiative of the then Vice Chancellor Dr PJ Patel, I/C Directore, 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 2012-13

DEPARTMENT OF BIOSCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Datta Madanwar</td>
<td>I have always been associated with various community awareness programmes.</td>
</tr>
</tbody>
</table>

DEPARTMENT OF CHEMISTRY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr N J Parmar</td>
<td>Render my service to take part in various departmental activities like arranging programs under chemical society i.e. blood group donation camp, various competitions, sports activities. Also the seminar, conferences, symposium, refresher courses etc.</td>
</tr>
<tr>
<td></td>
<td>Enrichment of Campus Life (hostels, sports, games, cultural activities) Involved in sport activities, youth festival and other various competitions at departmental and university level.</td>
</tr>
<tr>
<td></td>
<td>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)</td>
</tr>
</tbody>
</table>

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. P V Virparia</td>
<td>Provided necessary technical and software development guidelines to MCA-5 and MCA-6 semester students during their software project development.</td>
</tr>
<tr>
<td></td>
<td>Served as an expert in Ph.D. evaluation and viva-voce.</td>
</tr>
<tr>
<td></td>
<td>Activities such as syllabus framing, paper setting, moderation of papers, and project viva for a few Universities and a national level education society.</td>
</tr>
<tr>
<td></td>
<td>Served as an expert in faculty recruitment for many institutions.</td>
</tr>
<tr>
<td></td>
<td>Member of Local Inquiry Committee and On the Spot Committee.</td>
</tr>
<tr>
<td>Prof. D B Choksi</td>
<td>Guidance given to MCA 506, MCA 601 and MBI – 401 students for project</td>
</tr>
<tr>
<td>Prof. D M Shah</td>
<td>Guidance given to MCA 506, MCA 601 and MBI – 401 students for project</td>
</tr>
<tr>
<td>Prof. Priti Srinivas Sajja</td>
<td>Provided necessary technical and software development guidelines to PGDCA, MCA and MSC students. Guided MCA senior student’s projects.</td>
</tr>
<tr>
<td></td>
<td>Improved web-page (please refer pritisajja.info) and provided research guidance in computer science along with the biographical information.</td>
</tr>
<tr>
<td>Mr. B B Patel</td>
<td>Guidance given to MCA 506, MCA 601 and MBI – 401 students for project</td>
</tr>
<tr>
<td>-------------</td>
<td>--------------------------------------------------------------------</td>
</tr>
<tr>
<td>Dr. Jeegar A Trivedi</td>
<td>Provided necessary technical and software development guidelines to PGDCA, MCA and MSC students. Guided MCA senior students projects.</td>
</tr>
<tr>
<td>Dr. B V Patel</td>
<td>Worked as a coordinator and judge in poster presentation competition organized by the Department of Computer Science in association with the Computer Society of India, Vallabh Vidyanagar chapter on 23rd July, 2012.</td>
</tr>
<tr>
<td></td>
<td>Attended several meeting at G H Patel Computer Centre for development of e-SPU (ERP) project in the month of December, 2012. Also visited Saurashtra University, Rajkot for the purpose of System Analysis related to Examination system.</td>
</tr>
<tr>
<td></td>
<td>Attended lecture on “Information Architecture and Data Warehousing by Mr. Vipul Patel (AVP of Data Architect, T J Maxx, USA). Date: 07/01/2013 Time 11:00 AM to 12:30 PM Venue: Auditorium, GDCST.</td>
</tr>
<tr>
<td></td>
<td>Worked for organizing state level IT Quiz and state level programming competition at the Department of Computer Science. Organized in association with the Computer Society of India, Vallabh Vidyanagar chapter February, 2013.</td>
</tr>
<tr>
<td></td>
<td>Attended seminar on “Occupational Ergonomics and the VDT” by Dr. Nidhi Gupta (Lecturer) and Ms. Padmaja of S M Patel College of Home Science, Vallabh Vidyanagar at GDCST. Date: 25/02/2013, Time: 10:15 AM to 12:00 PM.</td>
</tr>
<tr>
<td></td>
<td>Attended short-term course that is “Orientation Course for Teachers”, Topics covered “Orientation on state intervention in Higher Education” and “The Road ahead” by Dr. (Smt.) Jayanti Ravi, Commissioner of Higher Education, Government of Gujarat at Senate Hall, University Administrative Office, Sardar Patel University, Vallabh Vidyanagar – 388 120. Date: 26/02/2013, Time: 4:15 PM to 6:30 PM</td>
</tr>
<tr>
<td></td>
<td>Provided necessary technical and software development guidelines to PGDCA, MCA and MSC students. Guided MCA senior students projects.</td>
</tr>
<tr>
<td></td>
<td>Made syllabus detailing done for PGDCA and MSC IT.</td>
</tr>
</tbody>
</table>
### DEPARTMENT OF ELECTRONICS

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. D. Lakshminarayana</td>
<td>General contribution only</td>
</tr>
<tr>
<td>Dr. (Ms) Vibha S. Vaishnav</td>
<td>Delivered a talk on “Odour Communication – A Coming breakthrough” at the Local Study Circle Meet, Vallabh Vidyanagar at 6.30 pm (after office hours) on 27-08-2012.</td>
</tr>
<tr>
<td>Dr. (Mrs) Shahera Patel</td>
<td>Worked as a stage co-ordinator on the occasion of Women’s day celebration at Vaikunthdham, Umereth on 8-3-2013. The Topic of the event was “Nari – Sanskruti Ni Rakshak”</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF HOME SCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Rema Subhash</td>
<td>Assisted In Conducting National Nutrition Week In The Department From September 1\textsuperscript{st} 2012 To September 7\textsuperscript{th} 2012, In Which Lecture, Poster Competition, Recipe Competition Etc. Were Arranged In Collaboration With The Community Science Center, Sardar Patel University On The Theme “Diet And Chronic Non Communicable Diseases”</td>
</tr>
<tr>
<td>Dr. Neeta R. Dave</td>
<td>Took Active Participation In National Nutrition Week Celebration.</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF MATHEMATICS

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.J. Karia</td>
<td>Organized a Mock Test for the PG students of Science, Commerce, Social Sciences and Language of our University to give a practice of various placement drive.</td>
</tr>
<tr>
<td></td>
<td>Organized a Seven Day Workshop on Problem Solving in Mathematics.</td>
</tr>
<tr>
<td></td>
<td>Organized and one workshop with practical training on All India Survey on Higher Education, MHRD for the Colleges of the Sardar Patel University and worked as the resource person in the same.</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF PHYSICS

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. P. C. Vinodkumar</td>
<td>As Secretary, Gujarat Science Academy, V. V. Nagar Chapter a workshop on ‘Agro-waste management and Value addition (with reference to Banana crop)’ is held on 9\textsuperscript{th} Nov 2012 jointly with CSC, Sardar Patel University, Vallabh Vidyanagar.</td>
</tr>
<tr>
<td>Prof. S. H. Chaki</td>
<td>Worked as Judge at the World Environment Day Celebration at the C. C. Patel Community Science Centre, Sardar Patel University, Vallabh Vidyanagar on 5\textsuperscript{th} June 2013.</td>
</tr>
</tbody>
</table>
Dr. N. K. Bhatt  
Author of Gujarat Higher Secondary Physics text book (Std. X and XII), and also worked as a reviewer for XI std. Physics text book.

### DEPARTMENT OF BUSINESS STUDIES

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Y. M. Dalwadi</td>
<td>Blood donation camp, extending service to old age people on Valentine day, active participation in Projects, Salute the salient worker Welcoming of students of 10th and 12th Standard at their board examination. Help to Old Age home etc under the Junior Chamber of International (JCI) VVN Branch. With the help of SEBI Conducted Various Workshops for remote area villagers, school children’s, college students and executives as a part of financial awareness.</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
</table>

### DEPARTMENT OF EDUCATION

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. M.A. Chotalia</td>
<td>Educational consultancy &amp; Training of Teacher working with two NGOs in Tribal area of Gujarat Valsad-Dharpur &amp; Rajpipala.</td>
</tr>
</tbody>
</table>

### DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. U. A. Thaker</td>
<td>Children Library at home for the Society</td>
</tr>
</tbody>
</table>

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## DEPARTMENT OF SOCIAL WORK (MSW)

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. S.D. Mishra</td>
<td>Social awareness campaign done in Rural areas of Anand district on Education, Health, Women empowerment, Adolescent education, Livelihood and Agricultural with previous students of MSW and MHRM (10)</td>
</tr>
<tr>
<td>DR. Mrs. Bigi Thomas</td>
<td>Awareness programmes on health, de-addiction and NREGA in Kasor, Rampur, Kaloli and Ramol villages of Anand with field work students of 1st year MSW and MHRM. (4)</td>
</tr>
<tr>
<td>Mrs. Nisha Sangwan</td>
<td>Awareness Program at Tranol, Ramol and Bhetasi on Adolescent Girls Education Program (3)</td>
</tr>
</tbody>
</table>

## DEPARTMENT OF POLITICAL SCIENCE

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Baldev Agja</td>
<td>Member of the Executive S.P. Uni. Co-op consumers store Ltd. V.V. Nagar</td>
</tr>
<tr>
<td></td>
<td>Rector, Mens Hostel I &amp; II, S.P. Uni., V.V. Nagar</td>
</tr>
<tr>
<td></td>
<td>Founder Secretary Dr. Ambedkar pragati Mandal Akhaj</td>
</tr>
<tr>
<td></td>
<td>Life Member Mahesana Dist. Nagrik Mitra Mandal, Anand</td>
</tr>
<tr>
<td></td>
<td>Active Member Kadam Manav Sangh, Anand</td>
</tr>
<tr>
<td></td>
<td>Active Member council for social justices, Ahmedabad</td>
</tr>
<tr>
<td></td>
<td>Life Member of Sant Shri Rohidas Seva Samaj Gujarat, Gandhinagar. (Reg. No. 1746)</td>
</tr>
<tr>
<td></td>
<td>Executive member of Gandhi Shanti Chhatra Sangha, Ahinsa Sodh Sanstha, Gujarat Vidyapith Ahmedabad</td>
</tr>
</tbody>
</table>

## DEPARTMENT OF SOCIOLOGY

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of the Extension work with details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. P.M. Parmar</td>
<td>C.S.J council for social justice, Ahmedabad</td>
</tr>
<tr>
<td></td>
<td>Dalit rights, Ahmedabad</td>
</tr>
</tbody>
</table>

## DEPARTMENT OF GUJARATI

<table>
<thead>
<tr>
<th>Name of the Teacher</th>
<th>Nature of The Extension Work With Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Pinakini Pandya</td>
<td>Member of convocation decoration committee</td>
</tr>
<tr>
<td>Dr. Param Pathak</td>
<td>Recording program on life enrichment at community radio station</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>No. of Computers</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Computer Science and Technology</td>
<td>300</td>
</tr>
<tr>
<td>2.</td>
<td>Computer Centre</td>
<td>70</td>
</tr>
<tr>
<td>3.</td>
<td>MBA</td>
<td>80</td>
</tr>
<tr>
<td>4.</td>
<td>Electronics</td>
<td>80</td>
</tr>
<tr>
<td>5.</td>
<td>Physics</td>
<td>85</td>
</tr>
<tr>
<td>6.</td>
<td>Mathematics</td>
<td>90</td>
</tr>
<tr>
<td>7.</td>
<td>University Administrative Building</td>
<td>80</td>
</tr>
<tr>
<td>8.</td>
<td>Bio-Sciences</td>
<td>80</td>
</tr>
<tr>
<td>9.</td>
<td>Statistics</td>
<td>80</td>
</tr>
<tr>
<td>10.</td>
<td>Bhaikaka Library</td>
<td>30</td>
</tr>
<tr>
<td>11.</td>
<td>Humanities Building (Department &amp; Office)</td>
<td>40</td>
</tr>
<tr>
<td>12.</td>
<td>Materials Science</td>
<td>30</td>
</tr>
<tr>
<td>13.</td>
<td>Chemistry</td>
<td>35</td>
</tr>
<tr>
<td>14.</td>
<td>Home Science</td>
<td>15</td>
</tr>
<tr>
<td>15.</td>
<td>University Press</td>
<td>15</td>
</tr>
<tr>
<td>16.</td>
<td>Business Studies</td>
<td>15</td>
</tr>
<tr>
<td>17.</td>
<td>USIC</td>
<td>8</td>
</tr>
<tr>
<td>18.</td>
<td>Economics</td>
<td>20</td>
</tr>
<tr>
<td>19.</td>
<td>Department of Education</td>
<td>10</td>
</tr>
<tr>
<td>20.</td>
<td>University Museum</td>
<td>5</td>
</tr>
<tr>
<td>21.</td>
<td>MSW</td>
<td>15</td>
</tr>
<tr>
<td>22.</td>
<td>Hindi</td>
<td>10</td>
</tr>
<tr>
<td>23.</td>
<td>M B Patel College of Education</td>
<td>15</td>
</tr>
<tr>
<td>25.</td>
<td>Library &amp; Information Science</td>
<td>15</td>
</tr>
<tr>
<td>25.</td>
<td>Health Centre</td>
<td>2</td>
</tr>
<tr>
<td>26.</td>
<td>Guest House</td>
<td>1</td>
</tr>
<tr>
<td>27.</td>
<td>Communication &amp; Media Studies</td>
<td>10</td>
</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td>1236</td>
</tr>
</tbody>
</table>

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 Rs.10 laks (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 up to 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 2,31,000 of the books in the acquisition have been entered in SOUL software. Which is developed and funded by U.G.C. 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

<table>
<thead>
<tr>
<th>Reading Room Facilities</th>
<th>DELNET Access</th>
</tr>
</thead>
<tbody>
<tr>
<td>Internet Facilities</td>
<td>E-journals access</td>
</tr>
<tr>
<td>Cyber Cafe</td>
<td>Scanning Facilities</td>
</tr>
<tr>
<td>Women’s Reading Room Facilities</td>
<td></td>
</tr>
</tbody>
</table>
Inter Library Loan Services  |  CD Writing  
Photocopying facilities  |  Current Awareness Services  
Reference Services  |  Selective Dissemination Information (SDI)  
Online Public Access Catalogue (OPAC)  |  Thesis/Dissertation  
U.G.C. – Infonet  

Total Number of Books 2,31,000 (2012-13)

Total Number of Journals Subscribed (2012-2013)

<table>
<thead>
<tr>
<th>Type</th>
<th>Recurring grant</th>
<th>Special Grant</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indian</td>
<td>192</td>
<td>41</td>
<td>233</td>
</tr>
<tr>
<td>International</td>
<td>65</td>
<td>36</td>
<td>101</td>
</tr>
<tr>
<td>Total</td>
<td>257</td>
<td>77</td>
<td>334</td>
</tr>
</tbody>
</table>

e-journal – 5,000+ accessible at [http://202.141.130.70/e-resources.php](http://202.141.130.70/e-resources.php)

Total information available at [http://www.spuvvn.edu/libraryinfo.htm](http://www.spuvvn.edu/libraryinfo.htm)

Archives:  ------    Theses   2100
Non-book collection:  743  Special Collection  636
American Collection:  158+9  C.D. Gandhian collection  300
Charotar Sarva Sangrah

(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.

(a) Sheel Shrutam (Monthly news bulletin of the University) (Bhaikaka Library)
(b) Vocational Guide (University Employment Bureau)
(c) Journal of education and psychology (Department of Education, Sardar Patel University, Vallabh Vidyanagar)
(d) “Artha Vikas” (Department of Economics, Sardar Patel University, Vallabh Vidyanagar/ 
(e) PRAJNA-University Journal of Basic Science 
(f) PRAJNA-University Journal of Social Science and Business Studies 
(g) Journal of Engineering and Technology (Birla Vishwakarma Mahavidyalaya) 
(h) Mimansa-Journal of English Literature (Department of English, Sardar Patel University 
(i) Synergy-Journal of Business Studies Administration (Department of M.B.A., Sardar Patel University.

Books

Total 183 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 came 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 prerit Shri Anand Shankar Bapubhai Dhruv Smarak Trust.

1. Meera  Niranjan Bhagat  Rs.80.00
2. Dayanand Saraswati  Dr.Jigish Pandya  Rs.70.00

(iv) **Reprographic Services**

Reprographic Services are available to the research students, teachers and other users from time to time.

(V) **E-Information to Faculty and Researchers:** E-mail address : unilibspu@gmail.com.

(VI) 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 2012-2013.

(VII) Library automation is done by SOUL Software and its use in various sections like books issuing and return, Stock verification, periodical publication and acquisition process.

(VIII) This library has redesigned the Webpage with new hyperlinks.

(IX) Statistical updated information of Bhaikaka Library put before University Website. It can be available on: http://spuvvn.edu/administration/service-centres/library/

(X) Sardar Patel University with the collaboratin with INFLIBNET, Ahmedabad M.O.U. programme for **Sodhanga** : Repositroy of Indian Electroic Thesis and Dissertation will be held on 27-12-2012.

(XI) Dr. Shishir H. Mandalia I/c Univesity 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.

(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**

<table>
<thead>
<tr>
<th>No.</th>
<th>Department</th>
<th>Carpet Area (Square Feet)</th>
<th>Seating Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Department of Biosciences</td>
<td>925</td>
<td>25</td>
</tr>
<tr>
<td>2.</td>
<td>Department of Chemistry</td>
<td>3750</td>
<td>40</td>
</tr>
<tr>
<td>3.</td>
<td>Department of Computer Science</td>
<td>900</td>
<td>25</td>
</tr>
<tr>
<td>4.</td>
<td>Department of Electronics</td>
<td>1200</td>
<td>35</td>
</tr>
<tr>
<td>5.</td>
<td>Department of Home Science</td>
<td>400</td>
<td>12</td>
</tr>
<tr>
<td></td>
<td>Department</td>
<td>Carpet Area</td>
<td>No. of Staff</td>
</tr>
<tr>
<td>---</td>
<td>-------------------------------------------------</td>
<td>-------------</td>
<td>--------------</td>
</tr>
<tr>
<td>6.</td>
<td>Department of Materials Science</td>
<td>400</td>
<td>12</td>
</tr>
<tr>
<td>7.</td>
<td>Department of Mathematics</td>
<td>2166</td>
<td>45</td>
</tr>
<tr>
<td>8.</td>
<td>Department of Physics</td>
<td>1000</td>
<td>27</td>
</tr>
<tr>
<td>9.</td>
<td>Department of Statistics</td>
<td>525</td>
<td>10</td>
</tr>
<tr>
<td>10.</td>
<td>Department of Business Administration (MBA Programme)</td>
<td>5230</td>
<td>50</td>
</tr>
<tr>
<td>11.</td>
<td>Department of Business Studies</td>
<td>200</td>
<td>5</td>
</tr>
<tr>
<td>12.</td>
<td>Department of Economics</td>
<td>600</td>
<td>15</td>
</tr>
<tr>
<td>13.</td>
<td>Department of English</td>
<td>1800</td>
<td>45</td>
</tr>
<tr>
<td>14.</td>
<td>Department of Gujarati</td>
<td>800</td>
<td>20</td>
</tr>
<tr>
<td>15.</td>
<td>Department of Hindi</td>
<td>300</td>
<td>8</td>
</tr>
<tr>
<td>16.</td>
<td>Department of History</td>
<td>100</td>
<td>2</td>
</tr>
<tr>
<td>17.</td>
<td>Department of Political Science</td>
<td>450</td>
<td>12</td>
</tr>
<tr>
<td>18.</td>
<td>Department of Psychology</td>
<td>2000</td>
<td>45</td>
</tr>
<tr>
<td>19.</td>
<td>Department of Education</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20.</td>
<td>M B Patel College of Education</td>
<td>1500</td>
<td>35</td>
</tr>
</tbody>
</table>

**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 ₹ 1,80,608/- for year 2012-13.

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.
- Number of Job Cards attended during the year 2012-13: 350

(C) UNIVERSITY MUSEUM

- July 2012 to March 2013; Under “Museum Awareness Program 2012-2013”; Museum has sent letters to invite various schools of Anand District and started receiving bookings for the same. In such Museum visits, the students were given an orientation lecture by Museum-Curator and followed by a guided tour to the Museum galleries. At the end of each conducted visit, Museum has made an arrangement of documentary show (available in English/Hindi) on
30/08/2012; as a part of educational activities, Museum Orientation Seminar was organized at University Museum for 70 PG students (and 3 teachers) of History and Political Science from N. A. & T. V. Patel Collage. Curator-Museum had delivered a lecture on various Museum aspects, slide talk on Museum collection and Guided Tour to the Museum Galleries.

07/09/2012; as a part of Museum Awareness Program 2012-13 and Museum Outreach Activities, a seminar was organized at N. S. Patel Arts Collage, Anand. It was in collaboration with the History Department of N. S. Patel Collage. Curator-Museum had delivered a lecture and slide talk on “Archaeology – a multidisciplinary subject” and its relationship with Museum and History. 80 PG History students and 4 teachers participated in the seminar.

18-29 September 2012; On the occasion of Ganesh Festival, a Thematic Display on “Forms of Ganesha” was organized at University Museum. The display consisted of 32 fiber and wooden sculptures showing different forms of Lord Ganesha made by a local artist Himmat Panchal.

11-20 October 2012; “Indian Coinage” an exhibition on Indian Coins from Museum Collection was organized at University Museum to focus the rich Numismatic Collection of the University Museum. The coins displayed in the exhibition were dated back from 1st Century A.D. to 20th Century A.D. The informative text, historical maps and photographic enlargements were also put on display in the exhibition. University Museum has also fabricated plaster cast replicas of Kushana Coin, 1st Century A.D. and distributed among the distinguished guests on the inauguration day of the exhibition.

19/10/2012; Coins and Postage Stamp collectors from Vallabh Vidyanagar and Anand were called for a meeting at Museum. Along with private collectors, Members of Coin Society and Anand Philatelic Association have also attended the meeting. University Museum is planning for some collaborative event with them in near future.

07/01/2013; As a part of celebrating Museum Week (7-14 January) University Museum has organized “Warli Painting Workshop” on January 7, 2013 in collaboration with Department of History, N. S. Patel Arts Collage, Anand. Total 25 students and 2 teachers have participated and learnt a tribal art called ‘Warli Art’ in the workshop.

As a part of rotational display in the Museum,
- A palanquin (Paalkhi) was taken out from the reserved collection; it is put on the display in the gallery after basic restoration work
- The collection of Harappan Culture was put on the display in Archaeo-Zoological Specimen Gallery
- Bilingual (English and Gujarati) labeling for the Museum objects is in progress
- Some of the restored and laminated photographs of Sardar Patel are displayed in the gallery

As a part of Physical Verification of Museum objects,
- The Numismatic Collection of the Museum is almost finished and its photo documentation is in progress
- The Collection of Bronzes is also about to finish and its photo documentation is in progress.
- Restoration and lamination of Sardar Patel’s photographs in Museum’s collection is in progress

As a part of field work at Archaeological sites, detailed photo-documentation was done by Museum-Curator at Champaner World Heritage Site. As an output, total 10 enlarged photo-panels depicting archaeologically rich monuments of Champaner were printed on foam-sheet of 2’x2’ size and added in the gallery display.

In order to enhance display of Museum exhibition halls, total 5 illustrative info-panels were prepared by Museum-Curator and get printed on foam-sheet of 4’x4’ size. The first three info-panels put focus on “Geological Time Scale and Evolution” which describes beginning of life on earth and birth of animal kingdom. And other two info-panels are on “Pre-Historic Archaeology” which talks about Prehistoric Man emerge from stone ages, and its development stages till the emergence of Chalco-lithic Age and Bronze Age. These five info-
panels are going to be a part of permanent display in our Archaeo-Geo-Zoological Specimen Gallery.

- Image and Text editing is in progress for further two illustrative info-panels of 4’x4’ size, which will depict our great ancient civilization – “The Indus Valley Civilization dating back to 3500 B.C. - 1700 B.C.

(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:

<table>
<thead>
<tr>
<th>Medical officer</th>
<th>One</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staff Nurse</td>
<td>One</td>
</tr>
<tr>
<td>Pharmacist-cum-Compounder</td>
<td>One</td>
</tr>
<tr>
<td>Assistant Compounder</td>
<td>One</td>
</tr>
<tr>
<td>Dresser cum Peon</td>
<td>One</td>
</tr>
<tr>
<td>Sweeper</td>
<td>One</td>
</tr>
</tbody>
</table>

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 2012-2013

<table>
<thead>
<tr>
<th>Month</th>
<th>New</th>
<th>Old</th>
<th>Total</th>
<th>Student</th>
<th>Staff</th>
</tr>
</thead>
<tbody>
<tr>
<td>April-2012</td>
<td>260</td>
<td>369</td>
<td>629</td>
<td>440</td>
<td>189</td>
</tr>
<tr>
<td>May-2012</td>
<td>187</td>
<td>326</td>
<td>513</td>
<td>364</td>
<td>149</td>
</tr>
<tr>
<td>June-2012</td>
<td>176</td>
<td>342</td>
<td>518</td>
<td>348</td>
<td>170</td>
</tr>
<tr>
<td>July-2012</td>
<td>782</td>
<td>107</td>
<td>889</td>
<td>678</td>
<td>211</td>
</tr>
<tr>
<td>Aug-2012</td>
<td>512</td>
<td>402</td>
<td>920</td>
<td>735</td>
<td>185</td>
</tr>
<tr>
<td>Sep-2012</td>
<td>506</td>
<td>445</td>
<td>951</td>
<td>768</td>
<td>183</td>
</tr>
<tr>
<td>Oct-2012</td>
<td>446</td>
<td>380</td>
<td>826</td>
<td>617</td>
<td>209</td>
</tr>
<tr>
<td>Nov-2012</td>
<td>189</td>
<td>329</td>
<td>512</td>
<td>389</td>
<td>123</td>
</tr>
<tr>
<td>Month</td>
<td>New Cases</td>
<td>Old Cases</td>
<td>Students</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>-----------</td>
<td>-----------</td>
<td>----------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dec-2012</td>
<td>204</td>
<td>275</td>
<td>479</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Jan-2013</td>
<td>194</td>
<td>332</td>
<td>526</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Feb-2013</td>
<td>314</td>
<td>520</td>
<td>834</td>
<td></td>
<td></td>
</tr>
<tr>
<td>March-2013</td>
<td>338</td>
<td>494</td>
<td>832</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total</td>
<td>4108</td>
<td>4321</td>
<td>8429</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Total Regular Patient having Hypertension / Diabetes / Thyroid / Asthma dieses = 162
- Total patients attended the Health Centre: 8429
- Total Budget Provision (Medicines) = 13,50,000/-
- Total Budget Provision (Lab/Chemical) = 1,00,000/-
- Total Expenditure (Medicines) = 13,34,082/-
- Total Expenditure (Lab/Chemical) = 87,144/-
- Total Income = 45,304/-
- New Cases: 4108, Old Cases: 4321, Students: 6425

(E) GUEST HOUSE ACCOMMODATION

DETAILS OF GUEST HOUSE ACCOMMODATION AVAILABLE IN 2012-2013

<table>
<thead>
<tr>
<th>No.</th>
<th>Facility of Room</th>
<th>Rooms</th>
<th>Total Accommodation Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>New VIP (AC Room)</td>
<td>7</td>
<td>14</td>
</tr>
<tr>
<td>2.</td>
<td>Old VIP (AC Room)</td>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>3.</td>
<td>Semi VIP (AC Room)</td>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>4.</td>
<td>Faculty Guest House (Non AC Room)</td>
<td>18</td>
<td>36</td>
</tr>
<tr>
<td>5.</td>
<td>Dormitory (Non AC Common Room)</td>
<td>2</td>
<td>12</td>
</tr>
</tbody>
</table>

(F) COMMUNITY RADIO BROADCASTING STATION (90.4 MHZ FM)

Sardar Patel University applied for a broadcasting license and signed a Memorandum of Understanding (MoU) with the Prasar Bharati, All India Radio, New Delhi in March 2003 for establishing a low Power FM Radio Station on the Campus. The University received the necessary clearance from Government of Gujarat, Ministry of HRD through University Grants Commission, Ministry of Communication and IT, Ministry of Defense, Home Ministry for the proposed Community Radio Station.

A 50W Transmission Power Community Radio Station, sanctioned with an operating frequency of 90.4 MHz in the FM band, through wireless and planning coordination wing of the Ministry of Communication and IT, has been established in the University campus, with a view to encouraging expression and participation that values culture. Its coverage area is 8 sq. km in radius. Established at the Department of Electronics with their technical support, it has two acoustically treated sound proof studio rooms, one “Program Recording Studio” and another as a “On-Air-Cum-Program Production Studio” with all the sophisticated recording plus broadcasting facilities. The University has two 50W FM Transmitter, a Distribution Amplifier, 30 Meter Antenna Tower for On-Air Broadcasting. The University has four channels Stereo Multifunction Console, 18 Channel Digital Audio Work Station for Hard Disk Recording, Phone-In Program

The Programs are produced by the University Students / faculty members / administration staff / Local Community / Guest visiting of University. The station is broadcasting the programs during Monday to Friday in a week (5 days in a week). Five daily transmission slots of an hour each and everything entirely in the students/faculty domain: this station lives up to its name. The University’s main focus is the Student Community. Their participation in radio station activity, both for program production as well as technical aspects, remove their fear and giving them hand-on experience in FM Radio Technology.

[Total Five (5) Hours per day: Morning: 2 Hours, Afternoon: 2 Hours, Evening: 1 Hour, Total: 25 Hours in a week]
The daily program schedule of radio station covers Lectures, Debates, Panel Discussion, Traditional Songs, University News (like announcement of seminar, conference, university results, new events in university, etc. etc.), Cultural Programs, Health related programs, Institutional Profiles, Admission related information, Placement related information, Agricultural Information, information for surrounding rural area etc.

Two leading Musical Companies M/s Music Centre, Mota Bazaar, Vallabh Vidyanagar-388120 and M/s Soor Mandir, N.H.No.8, Mogar have given their Music right “Free of Cost” to broadcast musical software from radio station. These software includes lok-geent, prarthana, bhajan, garba, Gujarati Sugam Sangeet et. This will help to uplift local language also.

(G) AGRO-ECONOMIC RESEARCH CENTRE

The Agro-Economic Research Centre (AERC) for the states of Gujarat and Rajasthan was established in July 1961 at the Sardar Patel University, Vallabh Vidyanagar by the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, New Delhi. It was late Shri H.M. Patel (ICS retd.) who not only provided the vision for establishing such an Institute but also ensured the much needed support and encouragement for its growth at Vallabh Vidyanagar. AERC has been working as an associate institution of S. P. University and enjoying autonomy status in its working. The Centre has completed 52 glorious years (1961-2013) of its journey marked by both achievements and challenges. During these years, the Centre has emerged as a strong policy feedback centre of the Ministry of Agriculture, Government of India due to hard work and strong commitment of the staff in the Centre. The focus of research effort in the initial stage was on comprehensive village surveys and resurveys in order to understand the process and direction of change at the village level. Subsequently, the emphasis of research has shifted to problem oriented studies. The Centre has by now completed 152 problem-oriented studies, 21 village surveys and 4 village resurveys. Most of these research projects have been taken up by Centre on the recommendation of the Government of India and State Governments of Gujarat and Rajasthan. Some of the projects have also been sponsored by other national and international organizations. During its long journey, the Centre has brought remarkable improvement in every aspect of research including methodological base of the studies. The studies have come out with useful findings and policy implications for agricultural and rural development of the states of Gujarat and Rajasthan. Many seminars and conferences were organized by the Centre (jointly with Department of Economics) during these years. Since 1970, the Centre has been also organizing the work of Comprehensive Scheme to Study Cost of Cultivation of Principal Crops in Gujarat entrusted to the S P University by the Ministry of Agriculture, Government of India. Ever since its inception, the Centre has been working in close collaboration with the Post-graduate Department of Economics of the S. P. University and so far it has helped/supported about 35 scholars to successfully complete their Ph. D. work in agricultural economics.

The principle objectives of the Centre have been as follows:

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

2. To conduct ad-hoc investigation on problems of interest to the Ministry of Agriculture and Irrigation and the State Governments under their jurisdiction.

3. To undertake research on fundamental problems relating to the agricultural economy of the country, and

4. To give technical advice to the Government of India and to the State Governments on such important issues as, with mutual agreement, may be referred to the Centre.
## A) Research Project Work Completed

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the Principal Investigator/Co. Investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanction</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Mrutyunjay Swain, Dr. S.S. Kalamkar and Shri M K Ojha</td>
<td>“State of Rajasthan Agriculture 2012-13”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yrs</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Mrutyunjay Swain, Dr. S. S. Kalamkar and Ms. K M. Kapadia</td>
<td>“State of Gujarat Agriculture 2011-12”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yrs</td>
</tr>
<tr>
<td>3</td>
<td>Dr. Mrutyunjay Swain</td>
<td>“Problems and Prospects of Oilseeds in Rajasthan: Special Reference to Rapeseed Mustard”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yrs</td>
</tr>
</tbody>
</table>

## B) Research Project Work in Progress (As on 31 March 2013)

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the Principal Investigator/Co. Investigator</th>
<th>Title</th>
<th>Funding Agency</th>
<th>Amount of Research Grant Sanction</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Mrutyunjay Swain</td>
<td>“Problems and Prospects of Oilseeds in Gujarat: Special Reference to Groundnut”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>2</td>
<td>Dr. S.S. Kalamkar, Shri Manish Ojha and Shri T.B. Parihar</td>
<td>“Evaluation of Market Intervention and Price Support Scheme in Rajasthan”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>3</td>
<td>Shri V. D. Shah, Shri Manish Makwana, Shri Himanshu Parmar</td>
<td>“Assessment of Marketed and Marketable Surplus of Major Food grains in Rajasthan”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>4</td>
<td>Dr. Rajeshree A. Dutta, Shri Manish Makwana, &amp; Shri Himanshu Parmar</td>
<td>“Pre and Post Harvest Losses in Tur Crop in Gujarat”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>5</td>
<td>Dr. Rajeshree A. Dutta, Shri Manish Makwana, &amp; Shri Himanshu Parmar</td>
<td>“Pre and Post Harvest Losses in Soyabean Crop in Rajasthan”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>6</td>
<td>Dr. S.S. Kalamkar</td>
<td>“Review of Evidence on Farmers Income from Secondary Sources”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>7</td>
<td>Dr. S.S. Kalamkar</td>
<td>“Pilot Project to ascertain the Use of Diesel for Irrigation”</td>
<td>Ministry of Agriculture, Govt. of India, New Delhi</td>
<td>Above 5 lakhs</td>
<td>1½ yr</td>
</tr>
<tr>
<td>8</td>
<td>Dr. Mrutyunjay Swain</td>
<td>“Preparation of database on 15 Major Indicators”</td>
<td>Ministry of Agriculture, -</td>
<td>Ongoing</td>
<td></td>
</tr>
</tbody>
</table>
### C) List of Books and Research Articles Published During the year (2012-13)

<table>
<thead>
<tr>
<th>No</th>
<th>Author(s)</th>
<th>Title</th>
<th>Journal</th>
<th>International/ National/ Regional/ Local</th>
<th>Vol. No &amp; Issue No.</th>
<th>Page No</th>
<th>Month &amp; Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>AERC, VVNagar</td>
<td>Impact of the National Horticulture Mission Scheme in Rajasthan”</td>
<td>Agricultural Situation in India</td>
<td>National</td>
<td>Vol. 69, No.3</td>
<td>153-164</td>
<td>June 2012</td>
</tr>
<tr>
<td>4</td>
<td>S. S. Kalamkar</td>
<td>“Feminization of Agricultural Labour in India”</td>
<td>The Indian Economic Journal</td>
<td>National</td>
<td>Special Issue (Conf.)</td>
<td>211-221</td>
<td>Dec 2012</td>
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<tr>
<td>8</td>
<td>S. S. Kalamkar</td>
<td>“Food and Nutrition Security in India” (Summary)</td>
<td>Indian Journal of Agricultural Economics</td>
<td>National</td>
<td>Vol 67, No. 3</td>
<td>530-531</td>
<td>July-Sept, 2012</td>
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<td>Title</td>
<td>Journal</td>
<td>Volume</td>
<td>Issue</td>
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<td>10</td>
<td>S.S. Kalamkar with S. Shroff</td>
<td>“Rural Credit for Globalizing Farmers: A Study of Credit plus Approach” (Summary)</td>
<td>Indian Society of Agricultural Marketing</td>
<td>(Conf. Circulation)</td>
<td>-</td>
<td>Dec 2012</td>
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<tr>
<td>15</td>
<td>Manish Makwana &amp; Himanshu Parmar</td>
<td>Economics of Production, Marketing and Feeding Composition of Fodder Crops in Gujarat State</td>
<td>Vishleshan</td>
<td>Vol. 37 No., 1 &amp; 2</td>
<td>33-44</td>
<td>Jan-June, 2012</td>
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**Books Published**

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<tr>
<td>1</td>
<td>S.S.Kalamkar</td>
<td>“Economics of Contract Choice: Case of Poultry (Broiler Farming)”</td>
<td>LAP LAMBERT Academic Publishing</td>
<td>Germany</td>
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<td>2</td>
<td>P. Yesudin</td>
<td>upted</td>
<td>LAP</td>
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**Article in Edited Books / Seminar Proceedings**

<table>
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<tr>
<td>5</td>
<td>S. S. Kalamkar &amp; S.Shroff</td>
<td>“Food Security in South Asia and its Sustainability : Focus on India”</td>
<td>International Association of Agricultural Economists (IAAE) at Brazil</td>
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<td>6</td>
<td>S. S. Kalamkar, S. Shroff &amp; J. Kajale</td>
<td>“Role of Emerging Marketing Channels in Agriculture and the Benefits to the Producers and Consumers: An Empirical Analysis”</td>
<td>Seminar Proceedings on ‘Organized Retailing vis-a-vis Farm Economy and Relevance’</td>
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<tr>
<td>8</td>
<td>S.S. Kalamkar</td>
<td>“Climate Change, Environment Degradation and Sustainable Agriculture in India”</td>
<td>National</td>
</tr>
<tr>
<td>9</td>
<td>S.S. Kalamkar</td>
<td>“Domestic Demand and Supply”</td>
<td>Food Security and Food</td>
</tr>
<tr>
<td>No</td>
<td>Authors</td>
<td>Title</td>
<td>Editor</td>
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</tbody>
</table>
D) Comprehensive Scheme to Study the Cost of Cultivation of Principal Crops in Gujarat

Studies on cost of production of agricultural commodities have been of interest to research workers and policy-makers. The need for reliable and representative estimates about cost of production of agricultural crops is obvious for formulating an appropriate strategy for planned agricultural development.

In a vast country like India with marked variations in agro-climatic conditions, it becomes essential to collect State-wise, region-wise data on cost of production of various crops on a continuous basis. Recognizing the importance of such studies, the Directorate of Economics and Statistics, Ministry of Agriculture, Government of India, evolved a permanent arrangement for collection of cost of cultivation data on a continuous and uniform basis for all important crops in the country. The Directorate of Economics & Statistics decided to establish the Comprehensive Scheme for Studying the Cost of Cultivation of Principal Crops in different states of India in 1968-69. The Directorate entrusted one such cost scheme to the Sardar Patel University for collecting cost of cultivation data in Gujarat. The University entrusted this Scheme to the Agro-Economic Research Centre. Since 1970, the Agro Centre and the Comprehensive Scheme are working together in close collaboration for serving the needs of the Directorate of Economics and Statistics of MoA, Government of India.

The data base generated through the “Comprehensive Scheme for studying cost of cultivation of Principal Crops” is used not only for the primary purpose of providing cost estimates for determination of Minimum Support Prices (MSP) but for a wide variety of other important purposes like ‘Compilation of National Accounts Statistics’, Wholesale Price Indices (WPI) and research studies relating to cost of cultivation and farm income.

Up to 1982, cost of cultivation data in Gujarat were collected from 480 sample cultivators spread over 40 clusters of villages through cost accounting method. Under the old arrangement (known as single crop approach) the clusters were changed every year retaining only a sub-sample of 10 to 20 clusters. Since 1983, the single crop approach has been replaced by crop complex approach under which the numbers of clusters have been increased from 40 to 60 thereby providing a wider and varied base for generation of reliable estimates. Now ten principal crops of Gujarat Viz., Bajra, Groundnut, Cotton, Arhar and Onion, Paddy, Wheat, Maize, and Rapeseed/Mustard and Sesame are being studied continuously and simultaneously for three consecutive years in the same clusters of villages. At present, there is a sample of 600 cultivators (10 each from selected clusters) drawn from different size groups of holdings. The five size groups are: below 1.0 hectare, 1.0 to 2.0 hectare, 2.0 to 4.0 hectare, 4.0 to 6.0 hectare, 6.0 hectare and above.

The work of this Scheme is being looked after by 78 persons of which 60 are permanently posted in the villages spread over entire State of Gujarat. This Scheme is being fully financed by the Government of India.

(H) HOSTELS

DETAILS OF RECTOR, SUPERINTENDENT, ROOMS CAPACITY, TOTAL STUDENTS, AND OTHER FACILITIES OF SIX HOSTELS OF THE UNIVERSITY

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of Hostel</th>
<th>Name of the Rector</th>
<th>Name of the Superintendents</th>
<th>Total Room</th>
<th>Students Capacity</th>
<th>Total Students Staying In 12-13</th>
<th>Other Facility</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Old Men’s Hostel No.1</td>
<td>Dr B B Agja</td>
<td>Dr D.G. Patel</td>
<td>78</td>
<td>148</td>
<td>44</td>
<td>With Mess</td>
</tr>
<tr>
<td>2.</td>
<td>Nehru Hall Men’s Hostel No.2</td>
<td>Dr A.S. Reddy</td>
<td>Shri Nileshbhai Patel</td>
<td>95</td>
<td>198</td>
<td>196</td>
<td>With Mess</td>
</tr>
<tr>
<td>3.</td>
<td>BSc BEd Hostel</td>
<td>Dr N R Patel</td>
<td>Shri R M Patel</td>
<td>23</td>
<td>66</td>
<td>13</td>
<td>--</td>
</tr>
</tbody>
</table>
4. CTE Hostel
   Dr N R Patel
   Shri R M Patel
   27       60      14      --

5. University Women’s Hostel
   Dr Urmilaben H.Patel
   Smt Kapilaben Mistry, Assist Warden
   102     318     313     With Mess

6. University Women’s (NRI) Hostel
   Dr Urmilaben H.Patel
   Smt Kapilaben Mistry, Assist Warden
   30      60      61      --

7. MBA (NRI) Hostel
   Dr H.Jani
   Mr. K.S. Prasad
   26      52      49      --

(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

The University has constructed a new indoor multipurpose Gymnasium hall. Which have facilities of two badminton court, court of table tennis, basketball, volleyball, handball, Kabbadi, Kho-Kho.

West Zone Inter University basketball (Men) tournament for Men was organization by the Sardar Patel University Vallabh Vidyanagar from 14.10.2012 to 17.10.2012. The tournament was inaugurated on 14.10.2012 at 9 am by Shri R S Sodhi, M.D. Gujarat Cooperative Milk Marketing federation, Amul Ltd, Anand. The valedictory function was organized on 17 October 2012 at 7 pm. The trophies were awarded to winner and runners-up by the Chief Guest Dr Harish Padh, Vice-Chancellor, Sardar Patel University. Our Basketball (Men) term had qualified for the all India inter University basketball tournament held at Chatrpati Shivaji Maharaj University, Kanpur.

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 BIO SCIENCES
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. Thermocycler (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
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

343
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. Ubbelhode 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 Gum – 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/OR/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 (Benchmark 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) (1 No.)
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 pitmeter (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. Intron Universal Testing Machine 5500
7. Shimadzu UV-Visible Spectrophotometer
8. Shimadzu FTIR 8300 Spectrophotometer
9. Systronics Flame Photometer
10. Leitz Optical Microscope Metloplan 12POLs
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 1000°C, 1750°C and 2500°C
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, prepegging, 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
2. ‘Seifert’ Highly stabilized X-ray generator.
3. ‘Hind Hivac’ vaccume 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 freezed drier with accessories-Lipholiser.
8. ‘Sigma’ 2k Centrifuge.
10. Multimedia projector.
11. ‘HP’ LCR meter.
12. Computer system with necessary accessories.
13. Hydraulic compression testing machine.
14. Potentiostatic/ Galvenostatic system.
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 PHARMACEUTICAL SCIENCE
1. FTIR spectrophotometer
2. Spectrofluorometer
3. HPTLC
4. UV Visible Spectrophotometer UV-1800
5. Fluidized Bed Dryer
6. Disintegration tester
7. Dissolution Tester with accessories
8. Diffusion Cell Apparatus
9. Lyophilizer
10. HPLC System with PDA detector
11. Fluidized Bed Dryer
12. Spray Dryer
13. Deep freezer (-10 to -40 deg C)
14. High Speed Homogenizer with spare homogenizing cup with rod
15. UltraSonicator
16. Drying Chamber with tray
17. Electromagnetic stirrer 1 liter
18. General Purpose Lab Centrifuge
19. High speed Centrifuge with accessories
20. High speed emulsifier
21. Handmade Tablet Machine
22. Hot air oven
23. Magnetic stirrer with hot plate 1 liter
24. Magnetic stirrer with hot plate 2 liter
25. Medium duty stirrer
26. Mini stirrer
27. Tablet hardness tester Monsanto type
28. Tablet hardness tester pfizer type
29. Vaccume pump
30. Vertical autoclave with foot lifting arrangement
31. Water bath Shaker
32. Rotary Flask Evaporator
33. Microprocessor based Digital Tablet Friability Test Apparatus with double beam
34. Tablet Coating Machine
35. Capsule filling Machine
36. Double walled water bath thermostatic
37. Hot air oven
38. Magnetic stirrer with hot plate 1 liter
39. Magnetic stirrer with hot plate 2 liter
40. Micro controller Flame photometer
41. Mini stirrer
42. Rotamantle
43. Vacuum oven
44. Vacuum pump
45. Vortex shaker
46. Water still
47. pH meter
48. Quartz Double Distill water assembly
49. Muffle Furnace
50. Ball Mill
51. SI234DE Weigh balance(2300gm/0.1mG)
52. TB215DDE Weigh balance(60gm/210gm)
53. Ultrasonic Bath Capacity:5liter
54. Water bath constant temperature
55. Double walled water bath thermostatic
56. Research Centrifuge

(11) 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

(12) DEPARTMENT OF ENGLISH
1. Library of Sounds
2. Language Laboratory
3. Recording Laboratory

(13) 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 2012-2013

<table>
<thead>
<tr>
<th>No.</th>
<th>Particulars</th>
<th>Cost</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Construction of Womens’ Hostel No : 3</td>
<td>2.15 Crore</td>
<td>Competed</td>
</tr>
<tr>
<td>2.</td>
<td>Renovation Work of Economic Department</td>
<td>13.00 Lakh</td>
<td>Competed</td>
</tr>
<tr>
<td>3.</td>
<td>Campus Development</td>
<td>62.00 Lakh</td>
<td>Competed</td>
</tr>
<tr>
<td>4.</td>
<td>Furniture Work for Womens’ Hostel No : 3</td>
<td>14.00 Lakh</td>
<td>Competed</td>
</tr>
</tbody>
</table>
5. Extension of Community Science Centre 22.00 Lakh Completed
6. Extension of Chemistry Department 2nd Floor 13.00 Lakh Completed
7. Civil Work of Purse Programme Phase-I 13.00 Lakh Completed
8. Renovation Work of Home-science Department 5.00 Lakh Completed
9. Construction of Gymnasium Hall 4.91 Crore In Progress
10. Renovation Work of Bhaikaka Library 1st Floor 6.00 Lakh In Progress
11. Renovation of Bio-Sciences Campus Canteen 1.75 Lakh In Progress
12. Furniture Work for Eklavya Hostel 33.00 Lakh In Progress
13. Civil Work of Purse Programme Phase-II 10.00 Lakh In Progress

**ELECTRICAL WORK IN PROGRESS/COMPLETED IN THE YEAR 2012-13**

<table>
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<tr>
<th>No.</th>
<th>Particulars</th>
<th>Cost</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Electrification for Extended Portion of Mathematics Department (2nd Floor-West Side)</td>
<td>1.81 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>2.</td>
<td>Re-electrification of M.B.Patel Education College</td>
<td>14.65 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>4.</td>
<td>Electrification for Providing Power Plug &amp; renovation of Power Distribution System at Nehru Hall</td>
<td>3.42 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>6.</td>
<td>Re-electrification of Room No : 101 to 109, 111, Passages and cabins at Ground Floor of Old Bio-sciences Building under CISST Programme</td>
<td>4.23 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>7.</td>
<td>Electrification Work for Womens’ Hostel &amp; USIC Portion (G+3 Floor)</td>
<td>13.36 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>8.</td>
<td>Re-electrification of H Type Staff Quarters</td>
<td>4.83 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>9.</td>
<td>Re-electrification of Home Science Building (For Lab no: G2, G4 &amp; HOD Cabin)</td>
<td>1.26 Lakh</td>
<td>Completed</td>
</tr>
<tr>
<td>10.</td>
<td>Re-electrification of Humanities Building</td>
<td>31.21 Lakh</td>
<td>In Progress</td>
</tr>
</tbody>
</table>
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 2012-2013. The result of the same is furnished below.

**MEN’S SECTION**

<table>
<thead>
<tr>
<th>GAME</th>
<th>WINNER</th>
<th>RUNNER’S UP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cricket</td>
<td>BJVM</td>
<td>NVPASS</td>
</tr>
<tr>
<td>Tennis</td>
<td>PG Department</td>
<td>NVPASS</td>
</tr>
<tr>
<td>Volleyball</td>
<td>NS Patel Arts College</td>
<td>NVPASS</td>
</tr>
<tr>
<td>Kabaddi</td>
<td>VJ Patel College of Physical Education</td>
<td>NS Patel Arts College</td>
</tr>
<tr>
<td>Kho-Kho</td>
<td>Bhikhabhai Patel Arts College</td>
<td>V P Science College</td>
</tr>
<tr>
<td>Badminton</td>
<td>PG Department</td>
<td>SEMCOM</td>
</tr>
<tr>
<td>Basketball</td>
<td>SEMCOM</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td>Table Tennis</td>
<td>ISTAR</td>
<td>NVPASS</td>
</tr>
<tr>
<td>Handball</td>
<td>NS Patel Arts College</td>
<td>Bhikhabhai Patel Arts College</td>
</tr>
</tbody>
</table>
## 5.4 YOUTH WELFARE AND CULTURAL ACTIVITIES

### Activities organized

We organize Inter Collegiate Youth Festival Competition every year for the students of this University. The entire cultural events are organized as per guidelines of AIU, New Delhi every year. We depute team to take part in the West Zone Inter University Youth Festival.

Our University team has secured II position in the event of one act play at the West Zone Inter University Youth Festival held at V N South Gujarat University, Surat. Our Team has also participated in the all India Inter University National Youth festival held at Kalyani University, Kalyani.

### NSS

Our University has registered 5000 volunteer of NSS in various affiliated colleges. 32 affiliated college/department of our University running the activity of NSS. Our volunteers have also taken part in the NSS day organized at Ahmedabad. All the NSS unit have done regular activities and 14 colleges have organized annual camp.

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  

<table>
<thead>
<tr>
<th>No.</th>
<th>Event Name</th>
<th>Position</th>
<th>College</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Classical Vocal Solo</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td>(Hindustani/Karnatic)</td>
<td>Second</td>
<td>H M Patel Institute of Eng. Training &amp; Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>R M Desai Music &amp; Dance College</td>
</tr>
<tr>
<td>2</td>
<td>Classical Instrumental Solo</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td>Percussion</td>
<td>Second</td>
<td>R M Desai Music &amp; Dance College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>Anand Arts College</td>
</tr>
<tr>
<td>3</td>
<td>Classical Instrumental Solo</td>
<td>First</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td>Non-Percussion</td>
<td>Second</td>
<td>R M Desai Music &amp; Dance College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>SEMCOM</td>
</tr>
<tr>
<td>4</td>
<td>Light Vocal (Solo)</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>BJVM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>Department of Home Science</td>
</tr>
<tr>
<td>5</td>
<td>Western Vocal (Solo)</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>Sardar Patel College of Adm. &amp; Mgt.</td>
</tr>
<tr>
<td>6</td>
<td>Group Song (Indian)</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>H M Patel Institute of Eng. Training &amp; Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>C Z Patel of Business &amp; Management</td>
</tr>
<tr>
<td>7</td>
<td>Group Song (Western)</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td>8</td>
<td>Quiz</td>
<td>First</td>
<td>ILSASS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td>9</td>
<td>Debate</td>
<td>First</td>
<td>H M Patel Institute of Eng. Training &amp; Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>NVPAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>SEMCOM</td>
</tr>
<tr>
<td>10</td>
<td>Elocution</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>ILSASS</td>
</tr>
<tr>
<td>11</td>
<td>One Act Play</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>MSW Department</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td>12</td>
<td>Skit</td>
<td>First</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>ARIBAS</td>
</tr>
<tr>
<td>No.</td>
<td>Event Name</td>
<td>Position</td>
<td>College</td>
</tr>
<tr>
<td>-----</td>
<td>------------------</td>
<td>----------</td>
<td>----------------------------------</td>
</tr>
<tr>
<td>14</td>
<td>Mime</td>
<td>First</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>SEMCOM</td>
</tr>
<tr>
<td>15</td>
<td>Mimicry</td>
<td>First</td>
<td>NVPAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>D N Institute PG Studies</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>Gujarati Department</td>
</tr>
<tr>
<td>16</td>
<td>On the Spot Painting</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>NVPAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>CVM College of Fine Arts</td>
</tr>
<tr>
<td>17</td>
<td>Collage</td>
<td>First</td>
<td>ILSASS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>Department of Home Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>H M Patel Institute of Eng. Training &amp; Research</td>
</tr>
<tr>
<td>18</td>
<td>Poster Making</td>
<td>First</td>
<td>H M Patel Institute Of Eng. Training &amp; Research</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>M B Patel Science College</td>
</tr>
<tr>
<td>19</td>
<td>Clay Modelling</td>
<td>First</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>CVM College of Fine Arts</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>St. Stephan College</td>
</tr>
<tr>
<td>20</td>
<td>Cartooning</td>
<td>First</td>
<td>ILSASS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>S M Patel College of Home Science</td>
</tr>
<tr>
<td>21</td>
<td>Rangoli</td>
<td>First</td>
<td>N S Patel Arts College</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>C Z Patel of Business &amp; Management</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>Gujarati Department</td>
</tr>
<tr>
<td>22</td>
<td>Spot Photography</td>
<td>First</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>SEMCOM</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>N S Patel Arts College</td>
</tr>
<tr>
<td>23</td>
<td>Classical Dance</td>
<td>First</td>
<td>ARIBAS</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Second</td>
<td>S M Patel College of Home Science</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Third</td>
<td>ILSASS</td>
</tr>
</tbody>
</table>

### 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:

<table>
<thead>
<tr>
<th>No</th>
<th>Department</th>
<th>Alumni Association</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Business Studies</td>
<td>Department organized Alumni Meet in 16th March, 2013. The department registered members and collected donation from those students who have been awarded M.Phil and Ph.D. degrees during the year.</td>
</tr>
<tr>
<td>3</td>
<td>MSW (Social Work)</td>
<td>Alumni Success Fest in January 2013 (Social work &amp; HR)</td>
</tr>
<tr>
<td>4</td>
<td>Gujarati</td>
<td>Members of Alumni had been invited for seminar, which was held in department</td>
</tr>
</tbody>
</table>
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 certificates:

- 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: 2012-13

<table>
<thead>
<tr>
<th>No</th>
<th>Name of the Project / Fellowship</th>
<th>No of students</th>
<th>Amount (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Self-finance free Studentship</td>
<td>73</td>
<td>9,48,900.00</td>
</tr>
<tr>
<td>2</td>
<td>Private Endowment Scholarship</td>
<td>0</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>73</td>
<td>9,48,900.00</td>
</tr>
</tbody>
</table>

Research Scholarship / Fellowship Awarded 2012-13

<table>
<thead>
<tr>
<th>No</th>
<th>Name of the Project / Fellowship</th>
<th>No of students</th>
<th>Amount (₹)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>JRF (Junior Research Fellowship)</td>
<td>10</td>
<td>20,11,059.00</td>
</tr>
<tr>
<td>2</td>
<td>CSIR (Council of Science and Industrial Research)</td>
<td>7</td>
<td>13,97,658.00</td>
</tr>
<tr>
<td>3</td>
<td>RGNF (Rajiv Gandhi National Fellowship)</td>
<td>6</td>
<td>16,55,560.00</td>
</tr>
<tr>
<td>4</td>
<td>Indira Gandhi Scholarship fpr Single Girl Child</td>
<td>2</td>
<td>30,000.00</td>
</tr>
<tr>
<td>5</td>
<td>Dr D S Kothari Postdoctoral fellowship Scholarship</td>
<td>2</td>
<td>7,67,648.00</td>
</tr>
<tr>
<td></td>
<td>Total</td>
<td>27</td>
<td>58,61,925.00</td>
</tr>
</tbody>
</table>
5.8 SC/ST CELL

The guide line issued by UGC, Government of India and various agencies regarding reservation policy for Admission to the college as well as PG Department. Recruitment to teaching and non-teaching posts, provision of accommodation in hostels, allotment 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 decision takes by the university advisory committee for scheduled Caste/scheduled tribes were strictly followed and implemented.

University Grants Commission has laid 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 betterment 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 assistant by the UGC, New Delhi for SC/ST and minority students and provided the guidance for competitive examination.

Important decision taken by the University advisory committee for scheduled caste/scheduled Tribes held on 27/04/2012 and 24/12/2012 were strictly followed and implemented.

The roster policy has already been implemented in the University.

SC/ST cell also work with the help of the Establishment Section to implement the reservation policy as per the Roster Register and try to fulfil the beck-log for university teaching and non-teaching.

SC/ST Cell also giving to guidance top the Academic Section at the time of Admission process and take necessary measure to insure that reservation policy of the Government maintain at the time of admission.

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

Total 31 Students gets placement in various Industries them the Department Procedure.

DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Following companies have visited the department and 52 students were recruited for the job/training.

<table>
<thead>
<tr>
<th>No.</th>
<th>Name of the Company</th>
<th>Location</th>
<th>No. of Students Placed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Tata Consultancy Pvt. Ltd.</td>
<td>Gandhinagar</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>Prakash Software Solutions Pvt. Ltd.</td>
<td>Vadodara</td>
<td>4</td>
</tr>
<tr>
<td>3</td>
<td>Axelor Technologies India Pvt. Ltd.</td>
<td>Ahmedabad</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>Proseo Technologies Pvt Ltd (BARODA)</td>
<td>Baroda</td>
<td>1</td>
</tr>
<tr>
<td>5</td>
<td>Prakash</td>
<td>Baroda</td>
<td>1</td>
</tr>
<tr>
<td>6</td>
<td>TinyERP Private Limited</td>
<td>Gandhinagar</td>
<td>4</td>
</tr>
<tr>
<td>7</td>
<td>Vrindi India Pvt. Ltd.</td>
<td>Anand</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>PROMACT INFOTECH PVT LTD.</td>
<td>Vadodara</td>
<td>5</td>
</tr>
<tr>
<td>9</td>
<td>iMOBDEV Technologies Pvt. Ltd.</td>
<td>Ahmedabad</td>
<td>2</td>
</tr>
<tr>
<td>10</td>
<td>WebLine India</td>
<td>Ahmedabad</td>
<td>4</td>
</tr>
<tr>
<td>11</td>
<td>eClinical Works</td>
<td>Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>12</td>
<td>Promathus</td>
<td>Mumbai</td>
<td>5</td>
</tr>
<tr>
<td>13</td>
<td>Young World Infotech</td>
<td>Anand</td>
<td>2</td>
</tr>
<tr>
<td>14</td>
<td>Prometheous</td>
<td>Mumbai</td>
<td>5</td>
</tr>
<tr>
<td>15</td>
<td>L &amp;T Ltd.</td>
<td>Vadodara</td>
<td>2</td>
</tr>
<tr>
<td>16</td>
<td>Indusa Infotech Services Pvt. Ltd.</td>
<td>Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>17</td>
<td>360 ERP Enterprice Solution</td>
<td>Ahmedabad</td>
<td>1</td>
</tr>
<tr>
<td>18</td>
<td>OmInfoSolutions</td>
<td>Vallabhi Vidyangan</td>
<td>2</td>
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<tr>
<td>19</td>
<td>SPEC India</td>
<td>Ahmedabad</td>
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</tr>
<tr>
<td></td>
<td><strong>Total</strong></td>
<td></td>
<td><strong>52</strong></td>
</tr>
</tbody>
</table>

DEPARTMENT OF MBA

During the year 2012-2013, 16 organizations visited our campus, resulting in 80% placement for the students. The average salary of placement was Rs. 2,95,000/- per annum.

DEPARTMENT OF LIBRARY & INFROMATION SCIENCE

The Department is doing Placement activities and almost 95% students received good placement by the efforts of the Department.

DEPARTMENT OF MSW (Social Work)

Gujarat State Disaster Management appointed 5 students for the post of District Project Officer for Dang, Ahmedabad, Mehsana, Panchmahal August 2012
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 unflagging 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 89 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 2012-2013

### 6.1 STATUTORY DECISION MAKING BODIES OF THE UNIVERSITY

<table>
<thead>
<tr>
<th>Important Bodies</th>
<th>Meeting Held</th>
<th>Total Members</th>
</tr>
</thead>
<tbody>
<tr>
<td>A Senate</td>
<td>01</td>
<td>307</td>
</tr>
<tr>
<td>B Syndicate</td>
<td>06</td>
<td>26</td>
</tr>
<tr>
<td>C Academic Council</td>
<td>02</td>
<td>67</td>
</tr>
<tr>
<td>D Board of Postgraduate Studies and Research</td>
<td>01</td>
<td>66</td>
</tr>
<tr>
<td>E Faculties</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Faculty of Arts</td>
<td>01</td>
<td>151</td>
</tr>
<tr>
<td>Faculty of Science</td>
<td>01</td>
<td>185</td>
</tr>
<tr>
<td>Faculty of Business Studies</td>
<td>--</td>
<td>89</td>
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<tr>
<td>Faculty of Management</td>
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</tr>
<tr>
<td>Faculty of Education</td>
<td>01</td>
<td>38</td>
</tr>
<tr>
<td>Faculty of Home Science</td>
<td>01</td>
<td>11</td>
</tr>
<tr>
<td>Faculty of Law</td>
<td>--</td>
<td>05</td>
</tr>
<tr>
<td>Faculty of Homoeopathy</td>
<td>--</td>
<td>10</td>
</tr>
<tr>
<td>Faculty of Medicine</td>
<td>01</td>
<td>40</td>
</tr>
<tr>
<td>F Boards of Studies</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hindi</td>
<td>01</td>
<td>25</td>
</tr>
<tr>
<td>Gujarati</td>
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<td>20</td>
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<tr>
<td>Sanskrit</td>
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<tr>
<td>English</td>
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<td>24</td>
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<tr>
<td>History</td>
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<td>09</td>
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<tr>
<td>Logic and Philosophy</td>
<td>01</td>
<td>02</td>
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<tr>
<td>Sociology</td>
<td>01</td>
<td>11</td>
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<tr>
<td>Psychology</td>
<td>01</td>
<td>08</td>
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<tr>
<td>Economics</td>
<td>01</td>
<td>23</td>
</tr>
<tr>
<td>Political Science</td>
<td>01</td>
<td>08</td>
</tr>
<tr>
<td>Geography</td>
<td>01</td>
<td>03</td>
</tr>
<tr>
<td>Co-Operation</td>
<td>01</td>
<td>03</td>
</tr>
<tr>
<td>Library Science</td>
<td>02</td>
<td>03</td>
</tr>
<tr>
<td>Music and Dance</td>
<td>01</td>
<td>01</td>
</tr>
<tr>
<td>Mathematics</td>
<td>01</td>
<td>14</td>
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<tr>
<td>Statistics</td>
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<tr>
<td>Chemistry</td>
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<tr>
<td>Physics</td>
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<tr>
<td>Biosciences</td>
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<tr>
<td>Industrial Chemistry</td>
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<td>Computer Science</td>
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<tr>
<td>Materials Science</td>
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<td>04</td>
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<td>Commerce and Business Studies</td>
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<tr>
<td>Accountancy</td>
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<tr>
<td>Banking</td>
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<tr>
<td>Management</td>
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<td>Education</td>
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<tr>
<td>Law</td>
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<td>05</td>
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<tr>
<td>Home Science</td>
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<td>Homoeopathic</td>
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<td>Clinical</td>
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<tr>
<td>Paraclinical</td>
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</tr>
<tr>
<td>Pre-Clinical</td>
<td>01</td>
<td>09</td>
</tr>
</tbody>
</table>
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, NDDB, Sate 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.

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

<table>
<thead>
<tr>
<th>No</th>
<th>Activities</th>
<th>No</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Sanskar Balwadi - (Kindergarten)</td>
<td>8.</td>
<td>Felicitation of Talented Students</td>
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<tr>
<td>3.</td>
<td>Women Wings</td>
<td>10.</td>
<td>Cultural Activities</td>
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<tr>
<td>5.</td>
<td>Prof. J. K. Patel Memorial Garba Competition</td>
<td>12.</td>
<td>Devine songs competition</td>
</tr>
<tr>
<td>7.</td>
<td>Dr. Vikram Sarabhai equation competition</td>
<td>14.</td>
<td>Bhajan competition</td>
</tr>
</tbody>
</table>

**Sanskar Mandal and Balwadi**

President – Dr Harishbhai Desai  
Vice – President – 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 J H Khan, Coordinator IQAC
2. Prof. N V Sastry, Co-coordinator, IQAC
3. Dr D J Karia, Co-coordinator, IQAC

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 ANTI-RAGGING AND SEXUAL HARASSMENT

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.

**Women's Cell**
1. Honorable Vice Chancellor, Dr. Harish Padh (Chairman)
2. Dr. Rema Subhash (Convener), Home Science Department, Sardar Patel University
3. Prof. Rekhaben Mehta (Member), Mathematics Department, Sardar Patel University
4. Dr. Urmilaben H.Patel (Member), Physics Department, Sardar Patel University
5. Dr. Manjari Acharya (Member), Home Science Department, Sardar Patel University
6. Dr. Nandaben Patel (Member), Economics Department, Sardar Patel University
7. Dr. Heenaben Gajjar (Member), N.S. Patel Arts College, Anand
8. Dr. Ketakiben P. Sheth (Member), Anand Commerce College, Anand
9. One Student from Basic Science Faculty
10. One student from Humanities/Management Faculty

**Complain Cell**
1. Dr. Rema Subhash (Convener), Home Science Department, Sardar Patel University
2. Prof. Rekhaben Mehta, Mathematics Department, Sardar Patel University
3. Prin. Rekhaben Emanuel, S.M. Patel College of Home Science, V.V. Nagar
4. Dr. Nandaben Patel, Economics Department, Sardar Patel University
5. Smt. Ashaben Dalal, Lawyer and Social Worker, Vrundavan Soc., A.V. Road, Anand
6. Dr. Ketkiben P. Sheth, Anand Institute of Business Studies, Anand
7. Shri D.C. Patel, Anand Commerce College, Anand
8. Prof. Shantibhai G. Patel, Deptt. of Physics, Sardar Patel University

**Anti-Ragging Cell**
1. Honorable Vice Chancellor, Dr. Harish Padh (Chairman)
2. Dr. Navneet Chauhan (Nodal Officer) Hindi Department, Sardar Patel University
3. Registrar-Member Secretary, Sardar Patel University
4. Deputy Registrar, Member Secretary, Sardar Patel University
5. Head of Department, Members-Sardar Patel University
6. Principal of Insti./Colleges (Members)
7. Heads of Womens Harassment Cell, Member
8. Non-Governement Organization (NGO, Member
9. Media, Member

**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 Vidyannagar 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 STUDENTSHP 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.
8.1 (a) CENTRE FOR INTERDISCIPLINARY STUDIES IN SCIENCE AND TECHNOLOGY (CISST)

Having realized the need for a multidisciplinary approach to studies and research in science and technology, the university has established a Centre for Interdisciplinary Studies in Science and Technology (CISST) with a view to nurture and promote teaching and research programmes of multidisciplinary nature and to effectively implement DST-PURSE programme by creating central experimental facility therein. This is a joint venture of all basic science departments, with Prof. Dr. N.V. Sastry having taken the responsibility of developing CISST. This is a much needed innovation in response to the demand of time.

- CISST has initiated from June-2013 M.Sc. Applied Science Programme with specializations in Earth System Science, Biomedical Science and Technology and Defence Studies.
- Through CISST, the university has implemented 10 research projects of interdisciplinary nature, each project at the cross road of at least two different disciplines involving collaborators from different disciplines.
- With a view to sensitize the academia on interdisciplinarity in research, the CISST has initiated interdisciplinary lecture series with speakers involving active researchers from different departments of the University.
- The CISST has also organized guest lectures of prominent scientists from national research Institutes like PRL Ah’d, IISC Bangalore, CMM Hyderabad.
- The CISST has organized a three day National Conference on Interdisciplinary Perspectives: Defense Studies, Earth System Science and Biomedical Science in November, 2013.

The University looks ahead to the nourishment and development of this unique innovation CISST with a view to enhance the quality of teaching and research on the campus. It is gratifying to put on record that the Program Implementation Board of DST-PURSE Program has greatly appreciated this unique innovation. The University also envisages such interdisciplinary center in Humanities, Social Sciences and Arts.

(b) CELT

The Department of English organized a Six-Week (60 hour; 4-credit) course in English for Full-Time PhD and MPhil Scholars (Research Writing and Oral Presentation Skills) from 6 May 2013 to 14 June 2013 under aegis of the Centre for Training in Research in Language and Communication (CTRLC) with special fund made available under the LETS Scheme. The unique programme was conceptualised and organized by the CTRLC and the results of the programmes have led the university to instruct it to offer at least two such programmes between January and June 2014.

8.2 CENTRE FOR EXCELLENCE IN BIOTECHNOLOGY FOR AFFORDABLE HEALTH

The memorandum of understanding was signed at National Education Summit at Gandhinagar on 10th January 2014; in the presence of Hon’ble Chief Minister, Shri Narendra Modi, Shri Maheshwar Sahu, Additional Chief Secretary, Industries and Mines Department, Shri A M Tiwari, Principal Secretary Education Department.
Parties:

a) Sardar Patel University, Vallabhb Vidyanagar, Gujarat, India
b) University of Turku is a renowned Public University of Finland and a recognized leader in this field. It is the knowledge provider. Finland and University of Turku are globally renowned for its Education and Research.

c) Tooltech Global Engineering Private Limited. It is providing the International, Industry and Management experience. It is an experienced entrepreneurship in the knowledge Industry; in combining theses specialized elements.

The MoU provides for the creation of Knowledge Center with the aim of commercialization, knowledge upgrade, Internationalization of such Research relevant to the goals which benefit Science and Society.

8.3 CIVIL WORK IN PROGRESS

The Roads and Buildings Department of Gujarat has sanctioned ₹ 38.46 under Vivekanand Samras Hostel project for building Boys as well Girls Hostels at Sardar Patel University. The built up area of these hostels would be 15,000 Sq. M. The hostel buildings would be three storied with parking area having 265 rooms each. In addition separate quarters for rectors and rooms for medical facilities will be provided in both the hostels. Special facilities will be provided for disabled students.

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) Project entitled “Genomics of Plants, Humans, Microbes – structural, functional, and application aspects” by Gujarat State Biotechnology Mission. ₹ 20 lakhs were sanctioned for the project.

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.