

## From the Desk of the Chief Editor

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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**

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- 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



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

## **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 Bazar and Parking space. The first floor will house a gymnasium and a banquet hall. The last two floors will house the International Students Hostel. It will have Wi-Fi network, generator system, solar heating system, and air condition facility to be provided on request. The new building has an estimated cost of ₹300.00 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**

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## **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**

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- 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 Manamohan Singh, the then Honourable Finance Minister, Government of India
- Justice A M Ahmadi, the then Honourable Chief Justice, Supreme Court
- Dr R Chidambaram, the then Chairman, Atomic Energy Commission
- Shri Sam Pitroda, the then Chairman, World Tel Ltd.
- Dr A P J Abdul Kalam, the then Scientific Advisor, Government of India
- Dr Anil Kakodkar, Chairman, Atomic Energy Commission
- Param Pujya Swami Shri Satyamitra Nandji Maharaj, Haridwar
- Shri Narendra Modi, Honourable Chief Minister of Gujarat State
- Prof D Acharya, the then Chairman, All India Council for Technical Education
- Shri P K Laheri, the then Chairman & MD, Sardar Sarovar 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 than 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  
Vallabh Vidyanagar - 388 120

**(iii) The Deans of Faculties**

No	Faculty	Name of the Dean	Affiliation	Period
1	Arts	Dr N R Parmar	Principal NA and TV Patel Arts College Vallabh Vidyanagar	9/12/2009 to 31/05/2012
		Dr J M Trivedi (I/C)	Professor Department of Sociology Sardar Patel University	01/06/2012 to 20/11/2012
		Dr H P Trivedi	Professor Department of Economics Sardar Patel University	21/11/2012 to 20/11/2015
2	Science	Dr A R Jani	Professor and Head Department of Physics Sardar Patel University	01/06/2009 to 31/05/2012
		Dr A R Jani (I/C)	Professor Department of Physics Sardar Patel University	01/06/2012 to 31/08/2012
		Dr D S Raj	Principal M B Patel Science College Anand	01/09/2012 to 29/05/2014
3	Engineering	Prof L M Manocha (I/C)	Professor Department of Material Science Sardar Patel University	23/02/2012 Onward
4	Business Studies (Commerce)	Dr Ketki P Seth	Associate Professor Anand Commerce College Anand	01/04/2011 to 05/08/2013
5	Law	Mr Apurva C Pathak	Assistant Professor Anand Law College Anand	06/08/2010 to 05/08/2013
6	Education	Dr Pallavi P Patel	Professor and Head Department of Education, SPU Sardar Patel University	01/06/2010 to 31/05/2013
7	Home Science	Dr Rekhaben Emanuel	Principal S M Patel College of Home Science, Vallabh Vidyanagar	01/10/2010 to 30/09/2013
8	Medicine	Dr S H Srivastava	Professor Pramukh Swami Medical College, Karamsad	01/09/2009 to 31/08/2012
				01/09/2012 to 31/08/2015
9	Pharmaceutical Sciences	Dr D K Raval (I/C)	Professor Department of Chemistry Sardar Patel University	23/02/2012 Onward

10	Management	Dr H J Jani (Rtd)	Professor Department of Business Management Sardar Patel University	06/08/2012 to 02/11/2012
		Dr R P Patel	Director Department of Business Management Sardar Patel University	03/11/2012 to 05/08/2013
11	Homoeopathy	Dr Linaben A Dighe	Professor V H Dave Homoeopathy Medical College, Anand	01/04/2012 to 31/03/2015

**(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)**

No.	Postgraduate Department	Year of Establishment	Name of the Head
1	Biosciences	1958	Prof AVRL Narasimhacharya (M.Sc, Ph.D.)
2	Business Management	1989	Prof R P Patel (MBA, PhD)
3	Business Studies (Commerce)	1958	Prof P K Rathod (MCom, MPhil, PhD, FDP-IIMA)
4	Chemistry	1958	Prof H S Patel (MSc, PhD)
5	Computer Science	1986	Prof P V Virparia (MCA, PhD)
6	Economics	1958	Prof D J Chauhan (MA, PhD)
7	Education	1988	Dr Pallavi P Patel (MSc, MEd, PhD)
8	Electronics	1988	Prof (Miss) Basumati Patel (MSc, PhD)
9	English	1958	Prof J H Khan (MA, MAAL (UK), MEd (Eng), PhD)
10	Gujarati	1958	Prof Pinakini Pandya (PhD)
11	Hindi	1958	Prof N K Chauhan (MA, PhD)

12	History	1959	Prof J M Pandya (MA, PhD)
13	Home Science	1977	Prof Vinayak Patel (PhD)
14	Library and Information Science	1982	Prof (Ms) Urmilaben Thaker (MLib, MPhil, PhD)
15	Materials Science	1990	Prof L M Manocha (MSc, PhD)
16	Mathematics	1958	Prof A B Patel (MA, PhD)
17	Media Studies	2005	Prof J H Khan (Hon. Director) (MA, MAAL (UK), MEd (Eng), PhD)
18	Pharmaceutical Sciences	2010	Prof D K Raval, (I/C Head) (MSc, PhD)
19	Physics	1958	Prof U H Patel (MSc, PhD)
20	Political Science	1958	Dr Baldev Agja, (MA, PhD)
21	Psychology	1982	Prof S J Patel, (MA, PhD)
22	Sanskrit	1958	Prof N P Patel (MA, PhD)
23	Social Work (MSW)	1997	Dr (Ms) Shivani Mishra MSW PhD
24	Sociology	1958	Dr H N Patel (PhD)
25	Statistics	1961	Prof P A Patel (MSc, PhD)
26	USIC	1979	Shri Sulax Shah (I/c Head) (BE)
<b>Constituent College</b>		<b>Year of Establishment</b>	<b>Principal</b>
27	M B Patel College of Education	1960	Dr N R Patel (MSc, MEd, PhD)

## AUTHORITIES OF THE UNIVERSITY

(i) The Senate

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

	<b>The Vice Chancellor</b>	8	Mrs. Rekha Linus Emanuel
1	Prof Harish Padh Vice Chancellor Sardar Patel University Vallabh Vidyanagar – 388 120		Principal S M Patel College of Home Science Vallabh Vidyanagar – 388 120
			<b>Ten Persons Elected by the Senate</b>
2	Commissioner of Higher Education Gujarat State, Old Sachivalaya Block No. 12, 3 <sup>rd</sup> Floor Gandhinagar – 382 010	9	Dr Indrajit Narvarlal Patel G-2, Saumil Apartment Nr Kamyas Girls's Hostel Off Karamsad Road Vallabh Vidyanagar – 388 120
3	The Director, Technical Education Gujarat State, Old Sachivalaya Sector-10, Block No-2, 2 <sup>nd</sup> Floor Gandhinagar – 382 012	10	Shri Ketankumar Parsottamdas Patel Secretary Charotar Education Society Anand – 388 001
4	The Director Health and Medical Services and Medical Education Medical Education and Research G-Block, 2 <sup>nd</sup> Floor, Civil Hospital Sector 12, Gandhinagar – 382 012	11	Shri Pragneshkumar Arvindbhai Patel 23 'Nandanvan', Yogi Park Society Opp. Anand Arts College Anand -388 001
		12	Shri Bipinchandra Purshottamsad Patel Shri Motilal Nivas
5	<b>Two Heads of Department of the University</b> Dr Pallavi Patel Head, Department of Education Sardar Patel University Vallabh Vidyanagar – 388 120		Towar Bazar Anand -388 001
		13	Dr Dilipkumar Gordhanbhai Patel Assistant Professor M B Patel College of Education Sardar Patel University Vallabh Vidyanagar – 388 120
6	Dr Samir Jagdishchandra Patel Head, Department of Psychology Sardar Patel University Vallabh Vidyanagar – 388 120		
		14	Dr Ghanshyamsinh Narsinh Gadhavi 16, Raghuvansh Co. op Society Nr Hari Om Nagar, Nana Bazar Vallabh Vidyanagar – 388 120
7	<b>Two Principals of Degree Colleges Affiliated to the University</b> Dr Varmala Tirathram Bhamwari Principal Anand Education College Anand – 388 001		



15	Dr Shirish H Srivastava Pramukh Swami Medical College Karamsad – 388 325	21	<b>One Representative of the Institute of Agriculture, Anand</b> Smt Rupa Anand Dalal 1, Marlow
16	Shri Gurucharan A Patel Sardar Patel Society At & Po – Boriavi Ta & Dist - Anand		62, B, Sir Pochkhanwala Road Worli, Mumbai – 400 030 <b>One Representative elected by the Birla Education Trust, Anand</b>
17	Ms Kyatiben Patel B-21, Palikanagar Society Behind 27 Gam Patidar School Anand – 388 001	22	Dr Farokh Sorabji Umrigar Principal Birla Vishwakarma Mahavidyalaya Vallabh Vidyanagar – 388 120
18	Shri Parth Bipinchandra Patel Lecturer Shree J M Patel Arts College Opp New Bus Station Anand – 388 001	23	<b>Four Persons Nominated by the State Government</b> Dr Bharatkumar N Pandya M B Patel College of Education Sardar Patel University Vallabh Vidyanagar – 388 120
	<b>Two Representative Elected by the Charutar Vidya Mandal</b>	24	Dr Ujjval Trivedi Biosciences Department
19	Dr Nikhil Zaveri Principal Sardar Gunj Mercantile Co-op Bank Ltd. (Anand) English Medium College of Commerce and Management (SEMCOM) Vallabh Vidyanagar – 388 120	25	Sardar Patel University Vallabh Vidyanagar – 388 120 Shri Jayprakash V Patel Vraj Bunglow Anand-Vidyanagar Road Anand – 388 001
20	Shri Hemantkumar J Patel Advocate M P Chambers, Court Road Crossing Anand – 388 001	26	Shri Rajesh R Patel 18, Shivalay Bunglow Near Ramdev Mandir Vidyanagar Road Karamsad – 388 125

- (iii) **The Academic Council**
- (iv) **The Faculties**
- (v) **The Boards of Studies**
- (vi) **The Board of Postgraduate Studies and Research**

## OFFICIALS OF THE UNIVERSITY

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

## AFFILIATED COLLEGES

No.	Name of the College	Name of the Principal
1.	AIMS College of Management and Technology	I/C Principal
2.	Akhilesh Sureshbhai Patel Arts College	I/C Principal
3.	Alpesh N Patel PG Institute	I/C Principal
4.	Anand Arts College	Dr Beena A Mahida
5.	Anand College of Education	I/C Principal
6.	Anand Commerce College	Dr Narrotam N Patel
7.	Anand Education College	Dr Varmala T Bhamwari
8.	Anand Homeopathic Medical College and Research Institute	I/C Principal
9.	Anand Institute of Business Studies	I/C Principal
10.	Anand Institute of PG Studies in Arts	I/C Principal
11.	Anand Institute of Social Work	I/C Principal
12.	Anand Law College	I/C Principal
13.	Anand Mercantile College of Science, Management and Computer Technology	I/C Principal
14.	Ashok and Rita Patel Institute of Integrated Study and Research in Biotechnology and Allied Science (ARIBAS)	I/C Principal
15.	B J Vanijya Mahavidyalaya	Dr R K Kakkad
16.	B N Patel Institute of Paramedical and Science	I/C Principal
17.	C Z Patel College of Business and Management	Dr Atul Bansal
18.	Centre for Studies and Research on Life and Works of Sardar Vallabhbhai Patel (CERLIP)	Dr Hari Desai
19.	Christian College of Education	I/C Principal
20.	College of Management and Computer Technology	I/C Principal
21.	CP Patel and FH Shah Commerce College	Dr Ramanlal D Modi
22.	CVM College of Fine Arts	Shri Knaiyalal F Patel
23.	D C Patel School of Architecture Arvindbhai Patel Institute of Environment Design	Priti R Shah
24.	F H Shah Institutes of Management and Information Technology	Dr G V Mehta
25.	G H Patel School of Nursing	I/C Principal
26.	Gordhandas Jamnadas Patel College of Management and Technology	I/C Principal
27.	H M Patel Institute of English Training and Research	Dr R P Jadeja

<b>No.</b>	<b>Name of the College</b>	<b>Name of the Principal</b>
28.	Institute of Language Studies and Applied Social Sciences (ILSASS)	Dr Sunny Thomas
29.	Institute of Science and Technology for Advanced Studies and Research (ISTAR)	I/C Principal
30.	J H Patel College of Management and Technology	I/C Principal
31.	Jivkaran Institute of Business Administration	I/C Principal
32.	Jivkaran Institute of Science and Technology	I/C Principal
33.	K S Patel College of Science Management and Technology	I/C Principal
34.	Khushalbai M Patel Institute of Physiotherapy	I/C Principal
35.	M B Patel Science College	Dr D S Raj
36.	N A and T V Patel Arts College	I/C Principal
37.	N H Patel College of Education	Dr D U Patel
38.	N P Patel Arts Science and Commerce College	I/C Principal
39.	N R Patel Mahila BEd College	I/C Principal
40.	N S Patel Arts College	Dr M C Patel
41.	Natubhai V Patel College of Pure and Applied Sciences	Dr Basudeb Bakshi
42.	P P Patel College of Social Science	I/C Principal
43.	Pioneer Arts and Commerce College	I/C Principal
44.	Pramukhswami Medical College	Dr Utpala Kharod
45.	R N Patel Ipcowala School of Law and Justices	I/C Principal
46.	Rama Manubhai Desai College of Music and Dance	I/C Principal
47.	S M Patel College of Home Science	Dr (Mrs) Rekhaben Emanuel
48.	S M Patel School of Studies & Research Architecture and Interior Design	I/C Principal
49.	S S Patel College of Physical Education	Dr B L Nagar
50.	Sardar Gunj Mercantile Co-Operative Bank Ltd. (Anand) English Medium College of Commerce (SEMCOM)	Dr Nikhil Zaveri
51.	Sardar Patel College of Administration and Management	I/C Principal
52.	Sardar Patel College of Education	I/C Principal
53.	Sardar Patel Institute of Applied Sciences	I/C Principal
54.	Shivam Institute of Management, Commerce and Computer Technology	I/C Principal
55.	Shree D N Institute of PG Studies in Commerce	I/C Principal
56.	Shree Dr V H Dave Homoeopathic Medical College and Smt Shardaben I Patel (Ipcowala) Homoeopathic Hospital	Dr P C Dave
57.	Shree J M Patel Institute of Social Work and Applied Arts	I/C Principal

<b>No.</b>	<b>Name of the College</b>	<b>Name of the Principal</b>
58.	Shree J M Patel PG Studies and Research in Humanities	Dr Hamirbhai P Makwana
59.	Shree P M Patel College of Computer Science and Technology	I/C Principal
60.	Shree P M Patel College of Education	Dr R S Prajapati
61.	Shree P M Patel College of Electronic and Communication	Dr Babita A Saiyed
62.	Shree P M Patel College of Law and Human Rights	I/C Principal
63.	Shree P M Patel Institute of PG Studies and Research in Applied Sciences	I/C Principal
64.	Shree P M Patel Institute of PG Studies and Research in Science	I/C Principal
65.	Shri Babubhai G Patel College of Physiotherapy	I/C Principal
66.	Shri Bavis Gam BEd College	I/C Principal
67.	Shri Bhikhabhai Patel Arts College	Shri R P Bhoi
68.	Shri Bhikhabhai Patel Institute of PG Studies & Research in Humanities	I/C Principal
69.	Shri D N Institute of Business Administration	I/C Principal
70.	Shri D N Patel Institute of Computer Application	I/C Principal
71.	Shri I J Patel BEd College	Dr Nusrat Kadri
72.	Shri I J Patel MEd Course	I/C Principal
73.	Shri J M Patel Arts College	Dr Vipul M Shrimali
74.	Shri P M Patel College of Paramedical Science and Technology	I/C Principal
75.	Shri P M Patel Institute of Biosciences	I/C Principal
76.	Shri P M Patel Institute of Business Administration	I/C Principal
77.	Shri P M Patel Institute of Integrated MSc in Biotechnology	I/C Principal
78.	Shri V J Patel College of Physical Education	I/C Principal
79.	Shri V Z Patel Commerce College	Dr J H Patel
80.	Smt K P Patel Institute of Physiotherapy and Occu. Therapy	I/C Principal
81.	Smt Kamalaben P Patel College of Home Science	I/C Principal
82.	Smt L P Patel Institute of Medical Laboratory Technology	Dr Sunil Trivedi
83.	Smt Pushpaben Kanaiyalal Inamdar College of Education	I/C Principal
84.	St. Stephen Institute of Business Management and Technology	I/C Principal
85.	Takshashila College of Management and Technology	I/C Principal
86.	Tarkesh and Niranjana Sureshbhai Patel Commerce College	I/C Principal
87.	V P and R P T P Science College	Dr Bhavesh D Patel
88.	Waymade College of Education (English Medium)	Dr (Mrs) Sulbha Natraj

## AFFILIATED COLLEGES HAVING DIPLOMA, POSTGRADUATE, RESEARCH PROGRAMMES

No.	Name of the College	PG Programs
1	N A and T V Patel Arts College	MA (Logic and Philosophy), PhD (Philosophy)
2	Anand Institute of PG Studies in Arts	MA (English, Hindi, Gujarati, History, BLib, MLib)
3	N S Patel Arts College	MA (Economics, Gujarati, Hindi, English, MPA, MSW)
4	Shri Bhikhabhai Patel Arts College	MA (English, Hindi)
5	Shri A N Patel PG Institute	MSc (Chemistry, Microbiology, Biotechnology, MLT)
6	A M College of Science and Computer Technology	MSc (Biotechnology, Information Technology), PGDCA
7	Sardar Gunj Mercantile Co-Operative Bank Ltd. (Anand) English Medium College of Commerce	Master of E-Business
8	C P Patel and F H Shah Commerce College	MCom (Business Studies)
9	SICART	PhD Programme, Electrical Engineering, Mechanical Engineering, Civil Engineering, Structural and Transportation Engineering
10	H M Patel Institute of English Training and Research	MA (ELT), MPhil (ELT), PhD
11	Anand Law College	LLM
12	S M Patel College of Home Science	Diploma Courses in Fashion Design in Fashion and Merchandising, Early Childhood Care and Education, Fashion Design
13	Anand Homoeopathic Medical College and Research Institute	MD Materia Medica, MD Repertory, MD Homoeopathic Philosophy
14	Shri Dr V H Dave Homoeopathic College and Research Institute	MD Materia Medica, MD Repertory, MD Homoeopathic Philosophy
15	Pramukhswami Medical College	M.D (Anesthesiology, Biochemistry, Dermatology, General Medicine, Microbiology, Obst. Gynaec, Pathology, Paediatrics, Pharmacology, Radio-diagnosis, Community Medicine, TB & Chest Diseases, Anatomy, Physiology.) M.S (Ophthalmology, Orthopaedics, Otorhinolaryngology, General Surgery.)
16	Shri Babubhai G Patel College of Physiotherapy	Master of Physiotherapy
17	Institute of Science and Technology for Advanced Studies and Research (ISTAR)	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).

<b>No.</b>	<b>Name of the College</b>	<b>PG Programs</b>
18	D C Patel School of Architecture Arvindbhai Patel Institute of Environment Design	Technology in Town Planning, M.Tech
19	Shri P M Patel College of Paramedical Science and Technology	MSc (MLT), DMLT
20	Anand Institute of Business Studies	M Com (Business Studies) E-Business
21	Anand Institute of Social Work	MHRM, MSW
22	Ashok and Rita Patel Institute of Integrated studies in Biotechnology	MSc (Integrated Biotechnology, Genetics, Microbiology, Pharmaceuticals Chemistry, Biotechnology)
23	Shree P M Patel Institute of Biotechnology	MSc (Integrated Biotechnology)
24	Shree P M Patel Institute of Biosciences	MSc (Microbiology, Biotechnology)
25	Smt L P Patel Institute of Medical Laboratory Technology	MSc (MLT)
26	Shree J M Patel PG Studies and Research in Humanities	MA (English, Hindi, Sanskrit, Gujarati, Education)
27	Shree J M Patel Institute of Social Work and Applied Arts	MHRM, MSW
28	Shri K P Patel College of Home Science	MSc Home Science (Food and Nutrition, Food Bio-Technology), PGDID
29	Khushalbhai M Patel Institute of Physiotherapy	M Physiotherapy

## VICE CHANCELLORS OF SARDAR PATEL UNIVERSITY

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

## REGISTRARS OF SARDAR PATEL UNIVERSITY

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



# UNIVERSITY DEPARTMENTS AT A GLANCE

## B R DOSHI SCHOOL OF BIOSCIENCES

(DEPARTMENT OF BIOSCIENCES)

(A UGC-SAP, COSIST, AND DST-FIST DEPARTMENT)

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**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 (Shimadza), Elisa Plate Reader (Molecular Devices), Cryocut (Leica), UV Visible spectrophotometers (Hewlett Packard, Unichem Beckman), FPLC (BioRad), 2D Electrophoresis (BioRad), Lyophilizer (FTS), -85° 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 Cyanobacteria and other microbial pigments.
- Identification of novel genes for bioremediation through metagenomic approach.
- Production of Cyclodextrins, Glucanotransferase and biodegradable polymers from agrowaste.
- Characterization of Arsenic hypertolerant microorganisms.
- 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.
- Genetic variants in diabetic population and its association with onset of diabetes and its secondary complications.
- Proteomic identification and characterization of new biomarkers in diabetic complications
- Cell and tissue specific responses in growth and regeneration of reptilian tail
- Development of novel feed supplements for fresh water fish
- Mammalian Physiology (Carbohydrate, Lipid Metabolism, hypertension, Fluorosis – bioremediation)

### Plant and Microbial Biodiversity

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

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

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

**Library Facilities:** Books - 2500, Journals - 10

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

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

**DEPARTMENT OF CHEMISTRY**  
**(A DST-FIST Department and UGC Centre for Excellence in Applied Polymers)**

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

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

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

**Library Resources:** Books 7863, Journals/Periodicals- 20

**Major Achievements**

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

<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlights</b>
MSc Chemistry	4 Semesters	BSc/BS Chemistry	Specialization in any of Organic Chemistry, Inorganic Chemistry, Physical Chemistry, Analytical Chemistry, Industrial Polymer Chemistry
PhD Chemistry	Minimum 6 Semesters	MSc / MS Chemistry	Different branches of Chemistry as listed above

**G H PATEL INSTITUTE OF COMPUTER SCIENCE AND  
TECHNOLOGY  
(DEPARTMENT OF COMPUTER SCIENCE)**

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

**E-mail:** gdcstspu@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)

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

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

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

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

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

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

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

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

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

**Major achievements**

- Number of National Awards won - 4
- Conducted 21 Refresher Courses/Training Programmes, Produced 22 PhD

<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlight</b>
Master of Computer Applications (MCA)	6 Semesters	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.	---
Postgraduate Diploma in Computer Science and Applications (PGDCA)	2 Semesters	Bachelor's degree examination (Under 10+2+3 pattern) of this University or any other examination recognized as equivalent thereto by this University.	---
MSc (Bioinformatics)	4 Semesters	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.	---
MSc (Information Technology)	4 Semesters	---	---
MPhil (Computer Science)	2 Years (Part-Time)	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.	---
PhD (Computer Science)	Minimum 2 Years Minimum 3 Years	Ph.D. programme are given through entrance test conducted by the university twice in a year. To be eligible for admission to	---
PhD (Bioinformatics)	Minimum 2 Years Minimum 3 Years	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.	---

# PRAMUKHSWAMI INSTITUTE OF ELECTRONICS

## (DEPARTMENT OF ELECTRONICS)

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**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)

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

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

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

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

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

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

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

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



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

**Head of the Department:** Professor (Mrs) S Manocha, **Phones: (O)** 02692 226853/235183 **(R)** 02692 236713 **Fax-** 02692 235183/236475 **E-mail:** hdmsspu@rediffmail.com, manocha52@rediffmail.com

**Faculty:** Professors: 2, Associate Professors: 2

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

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

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

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

**Scientific Collaboration and Exchange Programmes:** 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.

Programme	Duration	Eligibility	Highlights
MSc Materials Science	4 Semesters	BSc/ BS Physics/ Chemistry/ Industrial Chemistry/Polymer Chemistry	Engineering materials, properties, testing, Fabrication Science and Characterization, nanomaterials, Corrosion and Environment
MSc Nano Science and Nano Technology	4 Semesters	BSc/ BS Physics/ Chemistry	Science of Nanomaterials, properties, testing, fabrication and Characterization
PhD Materials Science	Minimum 6 Semesters	MSc/ MS Materials Science Physics/ Chemistry	Development of bulk and nanomaterials for structural application based on Carbon, Ceramics, polymers and wastes materials utilization
PhD Materials Technology	Minimum 6 Semesters	BE/ ME	Development of bulk and nanomaterials for structural application based on Carbon, Ceramics, polymers and wastes materials utilization

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

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**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)

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

**Research Facilities:** NBHM Regional Library (around 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**

- Specially designed optional courses in: Mathematics Education, Problems and Exercises in Mathematics (for talented students), Financial Mathematics, Research Level Advanced Courses (in Functional Analysis, Banach and Operator Algebras, Geometry, Relativity and Cosmology), Computer Programming in C/C++ with Practical Training, and Mathematics of Theoretical Sciences (Classical Mechanics, Relativity and Cosmology, Quantum Mechanics, Statistical Mechanics and Fluid Dynamics),
- 6 Special Training Programmes for students appearing in CSIR-UGC, National Eligibility Test NET-JRF.
- 21 Conferences/Seminars; and 12 Refresher courses organized
- Around 200 Research Paper published after 2000 in highly reputed journals.
- 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

<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlights</b>
MSc Mathematics	4 Semester	BSc/BS Mathematics	Holistic approach encompassing Pure and Applied Mathematics, Research Level advanced Courses, Wide variety of options, Training on Computer and Problem Solving and Provision for Dissertation; Special Training for CSIR-NET-JRF, Project component in MSc
MPhil Mathematics	2 Semester	MSc/MS Mathematics	Research Oriented Advanced Syllabus and a Dissertation Interwoven, Special Training for CSIR-NET-JRF
PhD Mathematics	Minimum 6 Semester	MSc/MS Mathematics	International Level Research in Functional Analysis, Harmonic, Analysis, Relativity and Cosmology, Tribology

# **G H PATEL INSTITUTE OF HOME SCIENCE**

## **(DEPARTMENT OF HOME SCIENCE)**

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**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 Cyler, 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.

**Library Facilities:** Books: 1954, Journals: 15

**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)** 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.

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

<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlights</b>
MSc (Food Biotechnology)	4 Semesters	BSc (Home Science) with FN/ FSQC / Public Health Nutrition / Dietetics/ Biochemistry/ Microbiology/ Industrial Microbiology/ Horticulture/Food Science/ Food Technology/ Dairy Science or BTech in Dairy Technology/Medical Laboratory Technology/ Bioinformatics/Botany/ Zoology/ Biotechnology/Agriculture/ BSc (Honours) with Home Science with special papers in Foods and Nutrition or any other examination recognized under (10+2+3system).	Cell and Molecular Biology, R-DNA Technology, Nutritional Biotechnology, Human Genetics, Microbial Biotechnology etc.
MSc (Human Development)	4 Semesters	BSc (Home Science) with Child Development/ Human Development/General Home /BSc (Agriculture with Home Science)/ PG Diploma in Early Childhood Education / PG Diploma in Special Education or any other equivalent recognized examination.	Early Childhood Care and Education, Growth and Development, Counselling, Advance Studies in Human Development etc.
MSc (Textiles and Clothing)	4 Semesters	BSc (Home Science) with Textiles and Clothing/General / BSc ( Home Economics) / BSc (Fashion and Apparel Design) /BSc (Agriculture with Home Science) / PG Diploma in Fashion Designing or any other equivalent recognized examination.	Garment Industry, Fashion Technology, Historic Textiles, Textiles Chemistry, Dyeing and Printing etc.
MSc (Family Resource Management)	4 Semesters	BSc(Home Science) with Family Resource Management/ Resource Management/General /BSc ( Home Economics) / BSc (Agriculture with Home Science) / Graduate Degree with Hotel Management/Hospitality Management/Housekeeping or PG Diploma in Interior Decoration or any other equivalent recognized examination.	Consumer Education, Interior Design, Ergonomics, Fuel Technology etc.
PhD (Foods & Nutrition, Food Biotechnology, Textiles and Clothing)	Minimum 6 Semesters for full time and Minimum 8 Semesters for part time	PhD admissions process includes an entrance exam conducted twice in a year by Sardar Patel University. Students with MSc (Minimum 55%) in respective subjects are eligible to appear for the entrance examination.	---

## DEPARTMENT OF PHYSICS

### (A UGC-SAP, DST-FIST DEPARTMENT)

**Head of the Department:** 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.

**Major Research Activities:** Synthesis of Metallic complexes of hertocryalline compound and X-ray Crystallographic investigation of Crystal Growth and Characterization, Thin film preparation and device fabrication, Nanoparticle studies, Photovoltaic and other Electronic Applications; X-ray crystallography of bio-molecules, High Pressure studies of crystals, theory of Condensed-Matter systems, Hadron Physics heavy flavour baryons-mesons

**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 MX<sub>2</sub> (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.

Programme	Duration	Eligibility	Highlights
MSc Physics	4 Semesters	BSc/BSc Physics	Solid state Physics/ Electronics, Theoretical and Computational Physics
PhD Physics	Minimum 6 Semesters	MSc/MS Physics	Crystal Growth, Thin film Growth, Electronics Applications, Nano-particles, Condensed matter theory, X-Ray Crystallography, Atomic-Molecular Physics, Hadron Physics

## DEPARTMENT OF STATISTICS

### (A UGC–SAP, DST-FIST Department)

**Head of the Department:** Professor P A Patel, **Phones:** (O) 02692 226871/226881, **E-mail:** patelpraful\_a@yahoo.co.in

**Faculty:** Professor: 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

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

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

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

**Department Library:** 19 E-journals and several books.

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

#### Major Achievements

- Devotion and involvement by the entire faculty, since its inception, has given a distinct identity to the department in the whole of western region.
- Faculty members of the department have published papers in reputed National and International Journals.
- Won research awards 12 times as the best research paper of the year.
- Produced 32 PhD (Theoretical research).

Programme	Duration	Eligibility	Highlights
MSc Statistics	4 semesters	BSc Statistics, BSc Mathematics with subsidiary Statistics BSc General with Statistics	Specializations in (i) Financial Statistics (ii) Bio-statistics Compulsory Project work
MPhil Statistics	2 Semester Full Time 4 Semester Part-Time	MSc in Statistics with 55% marks.	Advance level three courses plus dissertation.
PhD Statistics	Minimum 6 Semesters Full Time Minimum 8 Semesters Part Time	MSc in Statistics with 50% marks	Statistical Inference, Survey Sampling Inference, Design of Experiments, Statistical Quality Control, Bio-stat, Medical Stat, Statistical Computing
MQPM	4 semesters	Any graduate with one course on Statistics/ Mathematics	UGC supported Innovative Job oriented course
Certificate Course in SPSS	60 hours of teaching	Any graduate with basic knowledge of Computer, Statistics	Useful for any research organizations



<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlights</b>
Certificate Course in Biostatistics	Six months	BSc in Statistics/BSc in Mathematics with subsidiary Statistics	Useful for Pharmaceutical/ Medical/ Diagnostic Industries
Certificate Course in Financial Statistics	Six months	BSc in Statistics/BSc in Mathematics with subsidiary Statistics	Useful for Banking, Insurance, and other financial sectors

## DEPARTMENT OF GUJARATI

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**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.

**Courses Offered:** M.A(Regular & External), M.Phil, Ph.D. Gujarati Language and Literature, Modern and Post modern Gujarati literature, Medieval Gujarati Literature, Literary Genres, Folklore and Folk Literature, Linguistics, Stylistics Language, Literature and I.C.T Communication Skill, Sociology and Literature, Research Methodology, Major Research Activity in Gujarati, Major Researcher of Gujarati, Translation and Editing, Life enrichment.

### Major Research Activities

- In the area of folk literature, linguistics medieval literature, diasporic literature, modern literature.

**Library Facilities:** Books: 5000, Magazine: 23

### 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.

Programme Name	Duration	Eligibility	Highlight
MA Regular	4 Semesters	BA Gujarati	---
MA External	2 Years	BA Gujarati	---
MPhil	2 Semesters	MA Gujarati	---
PhD	Minimum 6 Semesters	MA Gujarati	---

## DEPARTMENT OF HINDI

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**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.

<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlight</b>
MA Regular	4 Semesters	BA Hindi	---
MA External	2 Years	BA Hindi	---
MPhil Regular and Part Time	2 Semester / 4 Semester	MA Hindi	---
PhD Full Time and Part Time	Minimum 6 Semesters / Minimum 8 Semesters	MA Hindi	---
PG Diploma in Drama and Dramatics (Hindi) Regular	1 Year	Graduation	---
PG Diploma in Functional Hindi Regular	1 Year	Graduation	---
Certificate Course on Film and TV Acting (Self Financed)	6 Months	--	---

## 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

**Library Facilities:** Books, Cassettes and Records in Sanskrit.

### Major Achievements

- Katha Foundation National Award, New Delhi: 01
- National Dalit Sahitya Academy National Fellowship: 01
- Gujarat State Sanskrit Sahitya Academy Gaurav Award: 01
- Books Published: 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

Programme	Duration	Eligibility	Highlight
MA Regular	4 Semesters	BA Sanskrit	---
MA External	2 Years	BA Sanskrit	---
M Phil	2 Semesters	MA Sanskrit	---
PhD	Minimum 6 Semester	MA Sanskrit	---
Certificate Course of Advance Studies in Sanskrit for foreign students.	---	---	---

## **DEPARTMENT OF ENGLISH**

### **(A UGC-SAP DEPARTMENT)**

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**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

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

**Departmental Library:** Books 3500, Journals 11, Several Courses on CDs, Cassettes etc; Majority of Shakespearean Plays available on gramophone records; 12 Major British and American Poets recorded in their own voices

#### **Major Achievements**

- Major UGC Project SAP (Phase – I): Community, Culture and Ideology in Post-1970s Gujarati, Hindi and Indian English Literature (Phase – II) (ongoing): Social Change in Post-1970s Novel and Play in Gujarati, Hindi and Indian English Literature.
- Assisted the preparation of Encyclopedia of Hindustan, Encyclopedia of Poetics of Indian Languages by Sahitya Academic, New Delhi.
- 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.
- Published three books: Dynamics of Social Change: Exploration in Post-1970 Gujarati, Hindi and Indian Fiction by D S Mishra (2009), Voices of War and Peace in Dalit Literature: Contemporary Gujarati and Hindi Dalit Writers edited by D S Mishra and R R Solanki (2009), and Translation Studies; Contemporary Perspectives on Postcolonial and Subaltern Translation edited by P B Raval (2012).

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

## DEPARTMENT OF EDUCATION

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

### Major Achievements

- Besides running MEd and PhD Programmes in Education, the Faculty Members render services in extension activities.
- Supervised research leading to PhD in Education of about 15 student teachers from Thailand and 1 from the USA successfully.
- A member of the faculty has published 4 books.
- A member of the faculty has served on five inspection committees of the NCTE.
- A group of students from Thailand donated a sum of ₹ 60,000 to the University for the Purchase of 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.

Programme	Duration	Eligibility	Highlight
MEd	1 Year	BEd	---
PhD	Minimum 6 Semesters	Master's Degree in Education	---
MPhil (Proposed)	4 Semesters (Part time)	Postgraduate in Education	---



# H M PATEL INSTITUTE OF RURAL DEVELOPMENT

## (DEPARTMENT OF ECONOMICS)

**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.
- Publishes *Artha Vikas*, a Journal of Economic Development since 1966.
- Completed successfully two phases of Special Assistance Programme (SAP) sanctioned by the University Grants Commission.
- Completed 25 Working Papers during the eight-year period under the Phase II and III of SAP, and organized 5 important seminars during these phases.
- Organized 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.

Programme	Duration	Eligibility	Highlight
MA Regular	4 Semesters	BA/BCom/ BBA	---
MA External	2 Years	BA/BCom/ BBA	---
MPhil	1 Year	MA Economics	---
PhD	Minimum 6 Semesters	MA Economics	---

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

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**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”.

<b>Programme</b>	<b>Duration</b>	<b>Eligibility</b>	<b>Highlight</b>
MA	2 Years	BA Political Science	---
MPhil	1 Year	MA Political Science	---
PhD	Minimum 6 Semesters	MA Political Science	---

## DEPARTMENT OF HISTORY

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**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.

Programme	Duration	Eligibility	Highlight
MA Regular	4 semesters	BA History	---
MA External	2 Years	BA History	---
PhD	Minimum 6 Semesters	MA History	---

## DEPARTMENT OF PSYCHOLOGY

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**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.

Programme Name	Duration	Eligibility	Highlight
MA	2 Years	BA Psychology	---
MPhil	1 Year	MA Psychology	---
PhD	Minimum 6 Semester	MA Psychology	---
B.Ed Special – MR	1 Year	Rehabilitation Council of India Approval	---

## DEPARTMENT OF SOCIOLOGY

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**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

Programme Name	Duration	Eligibility	Highlight
MA Regular	4 Semesters	BA Sociology	---
MA External	2 Years	BA Sociology	---
MPhil	2 Semesters	MA Sociology	---
PhD	Minimum 6 Semesters	MA Sociology	---

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

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**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 .

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

**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.

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

## **DEPARTMENT OF BUSINESS STUDIES**

**(A UGC- SAP Department) (DRS Phase – I 2007-2012)**

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**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.
- Six ISBN edited Books of quality papers of UGC-SAP DRS-I National Seminars are published by the Oxford Books Company, Jaipur in 2013.

**Interaction/Collaboration:**

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

**Library Facilities :** Department Library: Department - 4339 Books, 20 Journals & Magazines, 4 Newspapers, UGC-SAP Library: 497 Books

**Achievements :**

▪ **Faculties Achievements:**

➤ Dr. M. K. Patel, Ex-Professor & Head visited Hungary from 25<sup>th</sup> May to 25<sup>th</sup> 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 19<sup>th</sup> to June 8<sup>th</sup> 2011. He contacted Dr. Sanjay Gupta, Dean, Department of Accounting, Michigan State University, Michigan, USA and Dr. Mohinder, Dean, Department of Accounting, Oakland University, Michigan, USA for collaboration work in future in the thrust area of UGC-SAP.

➤ Dr. S.K. Bhatt, Professor, participated in the International Conference on Knowledge Globalisation held at Dhaka (Bangladesh) 8-10 May, 2010 organised by North South University, Bangladesh, Snffolk University, USA and Knowledge Globalisation Institute Bostan, USA. He presented a paper on “Financing to the poor: An evaluation of some lending Microfinance Institutions of India” and he also visited Grameen Bank Bangladesh for his thrust area of Major Research Project on 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:**

➤ The students viz., Ms. Punita Rajpurohit cleared NET-JRF and Anu Verma, Bhautik Patel, Parth Bhatt, Sanjay Thakkar, Ashok Gaur, Imran Pathan, Sunilkumar Chaudhary and Vishalkumar Patel of Department of Business Studies have cleared NET-L in 2013.

**Programmes Offered:**

<b>Programmes Offered</b>	<b>Duration</b>	<b>Eligibility</b>
M Com (CBCS) [Grant-in-aid and Self-Finance]	4 Semester	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. A candidate who has passed a Bachelor's Degree in Arts (English Stream) (Economics) will be eligible for admission to M.Com. Degree Course. However, the number of such students shall not exceed 15.
MPhil [Grant-in-aid and Self-Finance]	2 Semester Full Time	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.
PhD	Minimum 6 Semester	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.
PGDHRD [Post Graduate Diploma in Human Resource Development]	1 Year	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.
PGDBM [Post Graduate Diploma in Business Management]	1 Year	



# 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.

**Major Research Activities:** Major Research areas are Marketing Management, Financial Management, Human Resource Management, Accounting, and Taxation, Economics and Business Environment, Managerial and Organizational Communication, Business Policy and Strategic Management, Production Management and Operations Research. On themes related to above research areas major research projects sponsored by UGC, ICSSR, and Government of Gujarat are being pursued by faculty members.

**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.

Programme	Duration	Eligibility	Highlights
MBA	4 Semesters	Any Graduate qualified through GCET	Emphasis on regular assessment and Feedback .
Ph.D.	Minimum 6 Semester (Full Time) Through Thesis work Minimum 8 Semester (Part Time)	MBA or Postgraduate of any related Discipline	Course work as per UGC requirement.

# 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, MLib and Information Science, MPhil and PhD

## Major Research Activities

### a) Faculty Engaged in

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

### b) Students engaged in

- Research work for PhD and M Phil
- Research project for 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.

Programme Name	Duration	Eligibility
BLib and Information Science	2 Semesters	Degree in any Branch with English
MLib and Information Science.	4 Semesters	BLib and Information Science
MPhil in Information Science	2 Semester	MLib and Information Science
PhD in Information Science	Minimum 6 Semesters	MLib and Information Science

## DEPARTMENT OF PHARMACEUTICAL SCIENCES

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**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

Programme Name	Duration	Eligibility
M.Pharm	4 Semesters	---

## N V PATEL POSTGRADUATE DEPARTMENT OF COMMUNICATION AND MEDIA STUDIES

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**Head of the Department:** Dr J H Khan, (Honorary Director), **Phone:** (O): 02692 226859/226829, 232200

**Courses Offered:** Postgraduate Diploma in Media Studies

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

**Major Achievements:** Our students find gainful employment

**Library Facilities:** Books - 16 and Newspapers

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

**Thrust Area:** Advertising and Public Relations.

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

## USIC (UNIVERSITY SCIENCE INSTRUMENTATION CENTRE)

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**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**

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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

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

4	Postgraduate Diploma in Drama and Dramatics
5	Postgraduate Diploma in the Teaching of English
6	Postgraduate Diploma in Translation Studies

## 2. Faculty of Business Studies

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

## 3. Faculty of Science

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

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

#### 4. Faculty of Home Science

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

#### 5. Faculty of Education

No	Name of Course	Duration
<b>Undergraduate Courses</b>		
1	BEd (General)	2 Semesters
2	BEd (English)	2 Semesters
3	BEd (Advanced)	2 Semesters
4	BPEd	2 Semesters
<b>Postgraduate Course</b>		
1	MEd	2 Semesters
<b>Diploma/ Postgraduate Diploma Course</b>		
1	Postgraduate Diploma in Education Management	

#### 6. Faculty of Management

No	Name of Course	Duration
<b>Undergraduate Course</b>		
1	BBA (General)	6 Semesters
2	BBA (FT)	6 Semesters
3	BBA (ISM)	6 Semesters
4	BBA (ITM) Honours	8 Semesters
5	BBA (HM) Honours	8 Semesters



6	BBA (TTM) Honours	8 Semesters
<b>Postgraduate Course</b>		
1	MBA	4 Semesters
2	ME-Business	6 Semesters
<b>Diploma/ Postgraduate Diploma Course</b>		
1	Postgraduate Diploma in Business Administration (PGDBA)	
2	Postgraduate Diploma in Company Administration	
3	Postgraduate Diploma in Banking	
4	Postgraduate Diploma in E-Business	
5	Postgraduate Diploma Degree Management	
6	Postgraduate Diploma in Logistics and Retail Management	

## 7. Faculty of Medicine

No	Name of Course	Duration
1	B Physiotherapy	8 Semesters
2	BSc MLT	6 Semesters
3	BMLT	6 Semesters
4	MBBS	8 ½ Semesters
<b>Postgraduate Course</b>		
1	MSc (Medical) Anatomy	4 Semesters
2	MSc (Medical) Physiology	4 Semesters
3	MSc (Medical) Bio-Chemistry	4 Semesters
4	MSc (Medical) Microbiology	4 Semesters
5	MSc (Medical) Pharmacology	4 Semesters
6	MD Medicine and Anaesthesia	4 Semesters
7	MS ENT	4 Semesters
8	M Physiotherapy	4 Semesters
9	MMLT	4 Semesters
<b>Diploma/ Postgraduate Diploma Course</b>		
1	Diploma in General Nursing and Midwifery	
2	Diploma in Medical Laboratory Technology	
3	Postgraduate Diploma in Medicine: Anaesthesiology (DA)	
4	Postgraduate Diploma in MS ENT DLO	
5	Postgraduate Diploma in Radiology	

## 8. Faculty of Homeopathy

No.	Name of Course	Duration
1	BHMS	8 Semesters
<b>Postgraduate Course</b>		
1	MD (Homeopathy) Materia Medica	4 Semesters
2	MD (Homeopathy) Repertory	4 Semesters
3	MD (Homeopathy) Homoeopathic Philosophy	4 Semesters

## 9. Faculty of Law

No	Name of Course	Duration
<b>Undergraduate Courses</b>		
1	BA (LLB) Integrated	10 Semesters
2	BBA (LLB) Integrated	10 Semesters
3	BCom (LLB) Integrated	10 Semesters
4	LLB (General)	4 Semesters
5	LLB (Special)	2 Semesters
4	LLM	4 Semesters
<b>Diploma/ Postgraduate Diploma Course</b>		
1	Diploma in Taxation Laws and Practice	

2	Diploma in Co-operative Laws and Practice
3	Diploma in Labour Laws and Practice

### 10. Faculty of Pharmacy

No	Name of Course	Duration
<b>Postgraduate Course</b>		
1	MPharm Quality Assurance	4 Semesters
2	MPharm Pharmaceutics	4 Semesters

### 11. Faculty of Engineering

No	Name of Course	Duration
<b>Undergraduate Course</b>		
1	B. Architecture	10 Semesters
<b>Postgraduate Course</b>		
1	Master of Valuation (Plant and Machinery)	4 Semesters
2	Master of Valuation (Real Estate)	4 Semesters
3	Master of Industrial Hygiene and Safety	4 Semesters
4	Master of Urban Planning	4 Semesters

### Research Courses

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

### Doctoral Courses

<b>PhD (Arts)</b>		
1	PhD Gujarati	6 Semesters
2	PhD Hindi	6 Semesters
3	PhD Sanskrit	6 Semesters
4	PhD English	6 Semesters
5	PhD Sociology	6 Semesters
6	PhD Economics	6 Semesters
7	PhD Psychology	6 Semesters
8	PhD Library and Information Science	6 Semesters
9	PhD History	6 Semesters
10	PhD Social Work	6 Semesters

11	PhD Political Science	6 Semesters
<b>PhD (Science)</b>		
1	PhD Microbiology	6 Semesters
2	PhD Biochemistry	6 Semesters
3	PhD Biotechnology	6 Semesters
4	PhD Botany	6 Semesters
5	PhD Zoology	6 Semesters
7	PhD Organic Chemistry	6 Semesters
8	PhD Inorganic Chemistry	6 Semesters
9	PhD Physical Chemistry	6 Semesters
10	PhD Analytical Chemistry	6 Semesters
11	PhD Industrial Chemistry	6 Semesters
12	PhD Industrial Polymer Chemistry	6 Semesters
13	PhD Computer Science	6 Semesters
14	PhD Electronics	6 Semesters
15	PhD Materials Science	6 Semesters
16	PhD Materials Technology	6 Semesters
17	PhD Mathematics	6 Semesters
18	PhD Physics	6 Semesters
19	PhD Statistics	6 Semesters
20	PhD Genetics	6 Semesters
21	PhD Environmental Science	6 Semesters
22	PhD Forensic Science	6 Semesters
<b>PhD Home Science</b>		
1	PhD Food and Nutrition	6 Semesters
2	PhD Food Biotechnology	6 Semesters
3	PhD Textiles and Clothing	6 Semesters
<b>PhD Business Studies</b>		
1	PhD Business Studies	6 Semesters
<b>PhD Education</b>		
1	PhD Education	6 Semesters
2	PhD Physical Education	6 Semesters
<b>PhD Pharmaceutical Sciences</b>		
1	PhD Pharmaceutical Sciences	6 Semesters
2	PhD Pharmaceutical Chemistry	
<b>PhD Medicine</b>		
1	PhD Anatomy	6 Semesters
2	PhD Biochemistry (Medical)	6 Semesters
3	PhD Pharmacology	6 Semesters
4	PhD Physiotherapy	6 Semesters

### External Courses (Yearly System)

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

12	BA English
13	BA Sanskrit
14	BA Economic
15	BCom

### Certificate Course

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

### 1.2 COURSE REVISION AND ADDITIONS DURING THE YEAR 2012-13

No	Name of the Department	New Courses Revision
1	Computer Science	Syllabus of MCA was revised according to society and industry requirements.
2	Mathematics	Courses for Ph.D. Course work were revised during 2012-13.
3	MBA	Revised syllabus of Sem. I & Sem. II A new course "Contemporary Issues in Management" introduced in Sem. I in place of "Computer Application in Management" Course.
4	Economics	ICT / Writing and Presentation Course Revised
5	Library & Information Science	Courses are revised according to CBCS Model adopted by the University
6	Political Science	Soft Skill cum Self Studies revised syllabus in M.A. Semester I, II, III, IV.
7	Gujarati	<b>Sem-1, 2 &amp; M.Phil. Courses have been revised during 2012-2013 and will be applied from June 2013.</b> <b>Following papers are included in the sem-1 syllabus</b> 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 Selfstud-3 bhasha,sahitya ane I.C.T. <b>Below mentioned papers are included in the sem-2 syllabus:</b> Core-1 Arvachin Gujarati Urmi 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 <b>M.Phil.:</b> Paper- 1 Research methodology Paper- 2 Gujarati Sahityana sansathako Paper- 3 Gujarati sanshodhit krutio 1) Akho ek Adhyayan-Umasankar Joshi 2) Bhilonu Bharat-Bhagvan Das
8	Sanskrit	M.A. First Semester Revised Self Study Course

### 1.3 NEW PAPERS BEING OFFERED FROM THE YEAR 2012-2013

No	Name of the Department	New Paper being offered
1	Mathematics	Specialized courses were offered for Ph.D. Course work. Course on Research Methodology was offered for Ph.D. Course work.
2	Economics	Developed a new course for Elective paper in M. A. Economics (Sem -1,2&3) entitled, "Research Methodology and Computer Application in Economics".
3	Gujarati	Course work for Ph.D. being offered.

## **CHAPTER-2**

### **TEACHING-LEARNING AND EVALUATION**

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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 continuously 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 answerscripts by any student harbouring doubts about the outcome of evaluation; creation of grievance redressal committee etc voluntarily and as mandated by the UGC or the Education Department of the Government of Gujarat. All this has led to stress-free examinations and timely declaration of results.

## 2.1 NUMBER OF ACADEMIC DAYS IN THE YEAR 2012-2013

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

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

The Academic calendar of colleges and University Departments in various faculties is prepared and announced well in advance. 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**

##### **Total Number of students admitted at Undergraduate, Postgraduate, Diploma, and Research Degree Level 2012-2013**

<b>Students</b>	<b>No.</b>	<b>Percentage (%)</b>
Postgraduate Students	9152	21.20
Undergraduate Students	33447	77.48
Diploma /Certificate Students	279	0.65
MPhil	157	0.36
PhD	133	0.31
<b>Total</b>	<b>43168</b>	<b>100.00</b>

#### **FACULTY WISE ENROLMENTS IN THE YEAR 2012-2013**

##### **A. Postgraduate Level**

<b>No.</b>	<b>Degree</b>	<b>Male</b>	<b>Female</b>	<b>Total</b>
<b>1.</b>	Faculty of Arts	2169	1793	3962
<b>2.</b>	Faculty of Science	2060	1319	3379
<b>3.</b>	Faculty of Business Studies	450	399	849
<b>4.</b>	Faculty of Engineering & Technology	8	4	12
<b>5.</b>	Faculty of Management	125	31	156
<b>6.</b>	Faculty of Education	22	65	87
<b>7.</b>	Faculty of Home Science	6	170	176
<b>8.</b>	Faculty of Law	96	68	164
<b>9.</b>	Faculty of Homoeopathy	22	35	57
<b>10.</b>	Faculty of Medicine	98	170	268
<b>11.</b>	Faculty of Pharmacy	23	19	42
	<b>Total</b>	<b>5079</b>	<b>4073</b>	<b>9152</b>



### B. Undergraduate Level

No.	Degree	Male	Female	Total
1.	Faculty of Arts	5666	3227	8893
2.	Faculty of Science	5590	3113	8703
3.	Faculty of Business Studies	4193	2222	6415
4.	Faculty of Management	3096	1258	4354
5.	Faculty of Education	631	750	1381
6.	Faculty of Home Science	0	312	312
7.	Faculty of Law	850	289	1139
8.	Faculty of Homoeopathy	257	538	795
9.	Faculty of Medicine	407	806	1213
10	Faculty of Engineering & Technology	118	124	242
	<b>Total</b>	<b>20808</b>	<b>12639</b>	<b>33447</b>

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

Postgraduate Students enrolled in Faculty of Arts (Previous Year)														
Department(Grant in Aid Seat)														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	Pre.	8	17	4	11	4	6	4	6	0	0	20	40	60
Hindi	Pre.	10	26	15	5	3	18	8	11	1	0	37	60	97
Sanskrit	Pre.	7	5	9	5	8	8	10	5	0	0	34	23	57
English	Pre.	4	21	4	9	5	9	6	2	0	0	19	41	60
Economics	Pre.	15	15	7	8	8	2	5	0	0	0	35	25	60
History	Pre.	5	7	7	4	17	2	11	7	0	0	40	20	60
Sociology	Pre.	15	9	7	2	10	4	9	4	0	0	41	19	60
Political Sci.	Pre.	6	4	3	0	4	3	6	2	0	0	19	9	28
Psychology	Pre.	7	13	6	3	3	2	4	2	0	0	20	20	40
B.Lib	Pre.	8	9	3	1	2	2	2	3	0	0	15	15	30
M.Lib (PT)	Pre.	1	2	2	0	2	0	0	3	0	0	5	5	10
<b>Total</b>	<b>A</b>	<b>86</b>	<b>128</b>	<b>67</b>	<b>48</b>	<b>66</b>	<b>56</b>	<b>65</b>	<b>45</b>	<b>1</b>	<b>0</b>	<b>285</b>	<b>277</b>	<b>562</b>
Previous Department (Self-Financed Seat)														
Gujarati	Pre.	6	6	1	4	1	0	5	3	0	0	13	13	26
Hindi	Pre.	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanskrit	Pre.	1	1	0	0	2	1	2	1	0	0	5	3	8
English	Pre.	7	25	1	0	1	2	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
<b>Total</b>	<b>B</b>	<b>110</b>	<b>141</b>	<b>26</b>	<b>12</b>	<b>9</b>	<b>16</b>	<b>18</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>163</b>	<b>190</b>	<b>353</b>
Summary														

<b>Total A</b>	86	128	67	48	66	56	65	45	1	0	285	277	562
<b>Total B</b>	110	141	26	12	9	16	18	21	0	0	163	190	353
<b>Total (GIA &amp; SF)</b>	<b>196</b>	<b>269</b>	<b>93</b>	<b>60</b>	<b>75</b>	<b>72</b>	<b>83</b>	<b>66</b>	<b>1</b>	<b>0</b>	<b>448</b>	<b>467</b>	<b>915</b>

<b>Postgraduate Students enrolled in Faculty of Arts (First Year)</b>														
<b>College</b>														
<b>Department</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
<b>Gujarati</b>														
NSP	Pre.	24	15	9	3	4	4	5	6	0	0	42	28	70
AAC	Pre.	16	19	9	8	8	2	5	2	0	0	38	31	69
JMP	Pre.	10	8	5	2	12	6	7	4	0	0	34	20	54
<b>Hindi</b>														
AAC	Pre.	12	5	4	3	2	1	7	2	0	0	25	11	36
SHRI BP	Pre.	14	7	6	2	7	5	3	1	0	0	30	15	45
JMP	Pre.	5	4	1	0	3	5	6	3	0	0	15	12	27
NSP	Pre.	16	14	15	9	4	3	5	4	0	0	40	30	70
<b>English</b>														
AAC	Pre.	9	20	6	3	5	5	4	4	0	0	24	32	56
NSP	Pre.	16	14	15	9	4	3	5	4	0	0	40	30	70
HMP	Pre.	0	0	0	0	0	0	0	0	0	0	0	0	0
JMP	Pre.	8	10	5	7	11	8	9	2	0	0	33	27	60
Shree BP	Pre.	9	12	2	4	4	5	2	1	0	0	17	22	39
<b>Sanskrit</b>														
JMP	Pre.	7	1	4	1	2	3	1	2	0	0	14	7	21
<b>Economics</b>														
NSP	Pre.	55	32	12	7	8	0	12	13	0	1	87	53	140
<b>History</b>														
AAC	Pre.	7	7	2	3	11	8	14	0	0	0	34	18	52
<b>ELT</b>														
HMP	Pre.	20	24	5	2	2	1	2	0	0	0	29	27	56
<b>AAC</b>														
B.Lib.		3	9	0	1	0	2	1	3	0	0	4	15	19
M.Lib	Pre.	2	11	0	0	0	0	1	1	0	0	3	12	15
<b>M.S.W.</b>														
AISW	Pre.	37	18	17	11	3	2	11	7	0	0	68	38	106
NSP	Pre.	21	7	4	2	2	1	3	3	0	0	30	13	43
JMP	Pre.	13	0	5	1	3	1	0	0	0	0	21	2	23
<b>Log.&amp;Phil.</b>														
NA&TVPatel	Pre.	2	0	2	2	3	1	0	0	0	0	7	3	10
<b>M.P.A.</b>														
N.S.P	Pre.	17	13	4	1	1	0	3	2	0	0	25	16	41
<b>Education</b>														
J.M.Patel	Pre.	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>MHRM</b>														
NSP	Pre.	8	3	8	1	6	4	11	1	0	0	33	9	42
AISW	Pre.	24	30	2	0	0	0	2	6	0	0	28	36	64
MHRM(JMP)	Pre.	20	11	6	1	2	2	6	1	0	0	34	15	49
ILSAS	Pre.	13	23	1	0	0	0	0	2	0	0	15	24	39
<b>Total</b>	<b>C</b>	<b>380</b>	<b>314</b>	<b>141</b>	<b>82</b>	<b>101</b>	<b>68</b>	<b>114</b>	<b>73</b>	<b>0</b>	<b>1</b>	<b>737</b>	<b>537</b>	<b>1274</b>

<b>Department &amp; College Summary (First Year)</b>														
Department	<b>A</b>	86	128	67	48	66	56	65	45	1	0	285	277	562
	<b>B</b>	110	141	26	12	9	16	18	21	0	0	163	190	353
College	<b>C</b>	380	314	141	82	101	68	114	73	0	1	737	537	1274
<b>Total (A+B+C)</b>		<b>576</b>	<b>583</b>	<b>234</b>	<b>142</b>	<b>176</b>	<b>140</b>	<b>197</b>	<b>139</b>	<b>1</b>	<b>1</b>	<b>1185</b>	<b>1004</b>	<b>2189</b>

<b>Postgraduate Students enrolled in Faculty of Arts (Final Year)</b>														
<b>Department (Grant in Aid Seats)</b>														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	Final	5	16	4	2	5	7	7	7	0	0	21	32	53
Hindi	Final	9	10	3	8	12	7	4	10	0	0	28	35	63
Sanskrit	Final	12	12	4	2	3	8	9	3	0	0	28	25	53
English	Final	6	20	7	6	0	7	1	5	0	0	14	38	52
Economics	Final	2	18	4	4	3	3	5	11	0	0	14	36	50
History	Final	3	5	1	2	5	7	2	8	0	0	11	22	33
Sociology	Final	15	6	4	1	9	7	9	2	0	0	37	16	53
Political Sci.	Final	6	2	1	1	1	1	1	4	0	1	9	9	18
Psychology	Final	6	13	2	3	1	4	2	7	0	0	11	27	38
M.Lib.(Full-Time)	Final	0	3	1	1	1	1	0	1	1	0	3	6	9
<b>Total</b>	<b>A</b>	<b>64</b>	<b>105</b>	<b>31</b>	<b>30</b>	<b>40</b>	<b>52</b>	<b>40</b>	<b>58</b>	<b>1</b>	<b>1</b>	<b>176</b>	<b>246</b>	<b>422</b>
<b>Department (Self-Finance Seat)</b>														
Gujarati	Final	0	9	2	3	1	4	0	1	0	0	3	17	20
Hindi	Final	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanskrit	Final	0	3	1	0	0	1	0	0	0	0	1	4	5
English	Final	1	12	0	1	0	0	0	0	0	0	1	13	14
Economics	Final	8	18	1	2	3	3	1	0	0	0	13	23	36
History	Final	0	0	0	0	0	0	0	0	0	0	0	0	0
Sociology	Final	7	15	2	2	2	3	4	2	0	0	15	22	37
Psychology	Final	6	16	3	1	1	1	3	1	0	0	13	19	32
M.Lib.	Final	7	1	0	0	1	0	2	1	0	0	10	2	12
MSW	Final	30	20	10	2	0	1	5	4	0	0	45	27	72
MHRM	Final	26	31	2	0	1	1	6	3	0	0	35	35	70
Media Studies	Final	2	3	0	0	0	0	1	0	0	0	3	3	6
<b>Total</b>	<b>B</b>	<b>87</b>	<b>128</b>	<b>21</b>	<b>11</b>	<b>9</b>	<b>14</b>	<b>22</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>139</b>	<b>165</b>	<b>304</b>
<b>Summary</b>														
<b>Total</b>	<b>A</b>	64	105	31	30	40	52	40	58	1	1	176	246	422
<b>Total</b>	<b>B</b>	87	128	21	11	9	14	22	12	0	0	139	165	304

<b>Total (GIA. &amp; SF.)</b>	<b>A+B</b>	<b>151</b>	<b>233</b>	<b>52</b>	<b>41</b>	<b>49</b>	<b>66</b>	<b>62</b>	<b>70</b>	<b>1</b>	<b>1</b>	<b>315</b>	<b>411</b>	<b>726</b>
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<b>Postgraduate Students enrolled in Faculty of Arts (First Year)</b>														
<b>College</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
<b>Gujarati</b>														
NSP	Final	14	16	5	1	2	8	11	3	0	1	32	29	61
AAC	Final	20	31	1	0	3	3	1	0	0	25	34	59	
JMP	Final	8	3	8	1	6	4	11	1	0	33	9	42	
<b>Hindi</b>														
AAC	Final	4	8	2	0	10	4	10	2	1	0	27	14	41
BPA	Final	7	5	7	3	10	3	9	6	0	0	33	17	50
NSP	Final	14	10	3	2	7	5	14	2	0	0	38	19	57
JMP	Final	3	1	2	1	2	3	2	3	0	0	9	8	17
<b>English</b>														
AAC	Final	6	9	1	0	6	2	5	1	0	0	18	12	30
HMP	Final	0	0	0	0	0	0	0	0	0	0	0	0	0
JMP	Final	16	15	3	1	1	2	1	2	0	0	21	20	41
NSP	Final	12	18	4	5	4	1	7	8	0	0	27	32	59
Shree BP	Final	12	6	5	0	3	5	2	1	0	0	22	12	34
<b>Sanskrit</b>														
JMP	Final	11	3	3	0	7	0	9	0	0	0	30	3	33
<b>Economics</b>														
NSP	Final	20	25	0	5	0	0	2	1	0	0	22	31	53
<b>History</b>														
AAC	Final	5	3	3	0	3	0	2	0	0	0	13	3	16
<b>HMP</b>														
ELT	Final	9	15	8	0	4	0	3	3	0	0	24	18	42
<b>NA &amp; TV Patel</b>														
Logic & Phil.	Final	0	3	1	0	4	1	0	0	0	0	5	4	9
<b>JMP(MA)</b>														
Education	Final	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>ACC</b>														
M.Lib.	Final	0	2	0	1	0	0	0	1	0	0	0	4	4
<b>NSP</b>														
M.P.A.	Final	30	15	5	3	0	0	7	3	0	0	42	21	63
<b>M.S.W.</b>														
AI of S.W.	Final	18	19	9	7	0	2	8	5	0	0	35	33	68
N.S.P.	Final	54	20	21	4	15	2	16	3	0	0	106	29	135
J.M.P.	Final	48	12	23	6	17	1	19	7	0	0	107	26	133
<b>MHRM</b>														
AISW	Final	24	30	2	0	0	0	2	6	0	0	28	36	64
JMP	Final	25	16	8	3	4	4	8	3	0	0	45	26	71
NSP	Final	21	31	2	1	1	1	0	2	0	0	25	34	59
ILSAS	Final	0	0	0	0	0	0	0	0	0	0	0	0	0

<b>Total (Final) Arts</b>	<b>C</b>	<b>692</b>	<b>316</b>	<b>126</b>	<b>44</b>	<b>109</b>	<b>51</b>	<b>149</b>	<b>63</b>	<b>1</b>	<b>1</b>	<b>767</b>	<b>474</b>	<b>1241</b>
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<b>Department &amp; College Summary (Final)</b>														
Department	<b>A</b>	64	105	31	30	40	52	40	58	1	1	176	246	422
	<b>B</b>	87	128	21	11	9	14	22	12	0	0	139	165	304
College	<b>C</b>	692	316	126	44	109	51	149	63	1	1	767	474	1241
<b>Total (A+B+C)</b>		<b>843</b>	<b>549</b>	<b>178</b>	<b>85</b>	<b>158</b>	<b>117</b>	<b>211</b>	<b>133</b>	<b>2</b>	<b>2</b>	<b>1082</b>	<b>885</b>	<b>1967</b>

<b>M.Phil Students enrolled in Faculty of Arts</b>														
<b>Department(Grant in Aid Seats)</b>														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
Gujarati	M.Phil	3	2	1	1	0	1	6	1	0	0	10	5	15
Hindi	M.Phil	2	1	1	6	1	2	1	0	0	0	10	4	14
Sanskrit	M.Phil	1	1	0	0	0	0	0	0	0	0	1	1	2
English	M.Phil	2	3	0	0	0	0	0	1	0	0	2	4	6
Sociology	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
Economics	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
Political Sci.	M.Phil	0	1	1	1	0	1	0	1	0	0	1	4	5
M. Library	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total A</b>		<b>8</b>	<b>8</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>18</b>	<b>42</b>
<b>Department (Self-finance Seats)</b>														
Gujarati	M.Phil	4	2	1	1	1	1	1	1	0	0	7	5	12
Hindi	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
Sanskrit	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
English	M.Phil	0	1	0	0	0	0	1	1	0	0	1	2	3
Sociology	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
Psychology	M.Phil	0	0	2	1	0	1	3	2	0	0	5	4	9
Economics	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
M. Library	M.Phil	2	2	0	1	0	0	0	1	0	0	2	4	6
Social Work	M.Phil	4	2	1	0	0	1	1	1	0	0	6	4	10
<b>Total B</b>		<b>10</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>19</b>	<b>40</b>
<b>Summary</b>														
<b>Total A</b>		<b>8</b>	<b>8</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>18</b>	<b>42</b>
<b>Total B</b>		<b>10</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>19</b>	<b>40</b>
<b>Total (A+B)</b>		<b>18</b>	<b>15</b>	<b>7</b>	<b>11</b>	<b>2</b>	<b>7</b>	<b>13</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>45</b>	<b>37</b>	<b>82</b>

<b>M.Phil Students enrolled in Faculty of Arts</b>														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
<b>CERLIP</b>														
History	M.Phil	4	1	1	0	6	3	0	0	0	0	11	4	15
Political Sci.	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
Sociology	M.Phil	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>HMP</b>														

ELT	M.Phil	6	5	2	1	0	0	0	1	0	0	8	7	15
<b>Total</b>	<b>C</b>	<b>10</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>11</b>	<b>30</b>

<b>M.Phil Students Department &amp; College Summary</b>															
Department		<b>A</b>	<b>8</b>	<b>8</b>	<b>3</b>	<b>8</b>	<b>1</b>	<b>4</b>	<b>7</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>24</b>	<b>18</b>	<b>42</b>
		<b>B</b>	<b>10</b>	<b>7</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>6</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>19</b>	<b>40</b>
College		<b>C</b>	<b>10</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>6</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>11</b>	<b>30</b>
<b>Total (A+B+C)</b>			<b>28</b>	<b>21</b>	<b>10</b>	<b>12</b>	<b>8</b>	<b>10</b>	<b>13</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>64</b>	<b>48</b>	<b>112</b>

<b>Postgraduate Students enrolled in Faculty of Business Studies (Commerce)</b>														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
General	Pre	31	44	11	6	2	1	17	9	0	0	61	60	121
Self -finance	Pre	75	53	8	3	0	1	7	8	0	0	90	65	155
<b>Total</b>		<b>106</b>	<b>97</b>	<b>19</b>	<b>9</b>	<b>2</b>	<b>2</b>	<b>24</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>151</b>	<b>125</b>	<b>276</b>

<b>Postgraduate Students enrolled in Faculty of Business Studies (Commerce)</b>														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
AIBS	Pre	33	26	0	1	0	1	6	3	0	0	39	31	70
C.P.& F.H Shah	Pre	24	29	6	1	1	0	5	2	1	1	37	33	70
DNIPG	Pre	27	19	5	3	3	0	5	4	0	1	40	27	67
<b>Total</b>		<b>84</b>	<b>74</b>	<b>11</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>16</b>	<b>9</b>	<b>1</b>	<b>2</b>	<b>116</b>	<b>91</b>	<b>207</b>

<b>Postgraduate Students enrolled in Faculty of Business Studies (Commerce)</b>														
Summary		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
Department	Pre	106	97	19	9	2	2	24	17	0	0	151	125	276
College	Pre	84	74	11	5	4	1	16	9	1	2	116	91	207
<b>Total</b>		<b>190</b>	<b>171</b>	<b>30</b>	<b>14</b>	<b>6</b>	<b>3</b>	<b>40</b>	<b>26</b>	<b>1</b>	<b>2</b>	<b>267</b>	<b>216</b>	<b>483</b>

<b>Postgraduate Students enrolled in Faculty of Business Studies (Commerce)</b>														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
General	Final	30	41	8	2	4	8	11	11	0	0	53	62	115
Self finance	Final	29	25	4	0	0	0	5	2	0	0	38	27	65
<b>Total</b>		<b>59</b>	<b>66</b>	<b>12</b>	<b>2</b>	<b>4</b>	<b>8</b>	<b>16</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>91</b>	<b>89</b>	<b>180</b>

<b>Postgraduate Students enrolled in Faculty of Business Studies (Commerce)</b>														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
AIBS	Final	25	26	3	3	0	0	5	1	0	0	33	30	63
C.P.&F.H.	Final	26	28	0	1	0	0	5	6	0	0	32	34	66
DNIPG	Final	23	26	1	0	1	0	2	4	0	0	27	30	57
<b>Total</b>		<b>74</b>	<b>80</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>94</b>	<b>186</b>

Postgraduate Students enrolled in Faculty of Business Studies (Commerce)														
Summary		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
Department	Final	59	66	12	2	4	8	16	13	0	0	91	89	180
College	Final	74	80	4	4	1	0	12	11	0	0	92	94	186
<b>Total</b>		<b>133</b>	<b>146</b>	<b>16</b>	<b>6</b>	<b>5</b>	<b>8</b>	<b>28</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>183</b>	<b>183</b>	<b>366</b>

M.Phil Students enrolled in Faculty of Business Studies (Commerce)														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
General	M.Phil.	1	7	1	0	0	1	0	2	0	0	2	10	12
Self Finance	M.Phil.	3	11	1	0	0	0	3	1	0	0	7	12	19
<b>Total</b>		<b>4</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>3</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>22</b>	<b>31</b>

PG Diploma Students enrolled in Faculty of Business Studies (Commerce)														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
PGDHRD		41	29	8	2	9	1	9	1	0	0	67	33	100
PGDBM		22	5	0	1	0	0	0	1	0	0	22	7	29
<b>Total</b>		<b>63</b>	<b>34</b>	<b>8</b>	<b>3</b>	<b>9</b>	<b>1</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>89</b>	<b>40</b>	<b>129</b>

Postgraduate Students enrolled in Faculty of Education																
College & Department			Open		SC		ST		OBC		PH		Total		Total	
			M	F	M	F	M	F	M	F	M	F	M	F		
M.Ed. (Department)	Gen		3	11	2	2	0	8	2	7	0	0	7	28	35	
M.Ed. (Way-made)	SF		3	10	1	0	0	1	2	1	0	0	6	12	18	
M.Ed. (I J Patel)			3	8	3	3	1	6	2	8	0	0	9	25	34	
Total (College)				<b>6</b>	<b>18</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>7</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>15</b>	<b>37</b>	<b>52</b>
Total(Department & College)				<b>9</b>	<b>29</b>	<b>6</b>	<b>5</b>	<b>1</b>	<b>15</b>	<b>6</b>	<b>16</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>65</b>	<b>87</b>

Postgraduate Students enrolled in Faculty of Home Science														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
F & N	Pre	0	6	0	2	0	1	0	1	0	0	0	10	10
General	Pre	0	3	0	1	0	0	0	0	0	0	0	4	4
	<b>A</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>14</b>
F&N (SF)	Pre	0	8	0	1	0	0	0	0	0	0	0	9	9
H&D (SF)	Pre	0	7	0	1	0	1	0	1	0	0	0	10	10
T&C (SF)	Pre	0	9	0	1	0	0	0	0	0	0	0	10	10
FRM (SF)	Pre	0	14	0	2	0	0	0	0	0	0	0	16	16

FBT (SF)	Pre	0	8	0	0	0	0	0	1	0	0	0	9	9
	<b>B</b>	<b>0</b>	<b>46</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>54</b>	<b>54</b>
Total	A	0	9	0	3	0	1	0	1	0	0	0	14	14
Total	B	0	46	0	5	0	1	0	2	0	0	0	54	54
Total	(A+B)	<b>0</b>	<b>55</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>68</b>

Postgraduate Students enrolled in Faculty of Home Science														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
F&N	Final	0	11	0	0	0	0	0	0	0	0	0	11	11
GEN	Final	0	0	0	0	0	0	0	0	0	0	0	0	0
	<b>A</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>11</b>
F&N (SF)	Final	0	9	0	0	0	0	0	0	0	0	0	9	9
H&D (SF)	Final	0	2	0	1	0	0	0	1	0	0	0	4	4
T&C(SF)	Final	0	11	0	0	0	1	0	0	0	0	0	12	12
FRM (SF)	Final	0	2	0	0	0	0	0	0	0	0	0	2	2
FBT (SF)	Final	3	14	0	0	0	0	0	0	0	0	3	14	17
	<b>B</b>	<b>3</b>	<b>38</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>41</b>	<b>44</b>
Total	A	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>11</b>	<b>11</b>
Total	B	<b>3</b>	<b>38</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>41</b>	<b>44</b>
Total	(A+B)	<b>3</b>	<b>49</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>52</b>	<b>55</b>

Postgraduate Students enrolled in Faculty of Home Science														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
<b>College (Pre.)</b>														
FBT(KPP)	Pre	0	4	0	0	0	0	0	0	0	0	0	4	4
F&N(KPP)	Pre	0	13	0	2	0	0	0	1	0	0	0	16	16
<b>Total (Pre)</b>	<b>A</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>
<b>College(Final)</b>														
FBT(KPP)	Final	1	4	0	0	1	0	0	0	0	0	2	4	6
F&N(KPP)	Final	1	23	0	1	0	0	0	2	0	0	1	26	27
<b>Total (Final)</b>	<b>B</b>	<b>2</b>	<b>27</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>30</b>	<b>33</b>
<b>Total A</b>	<b>Pre</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>20</b>	<b>20</b>
<b>Total B</b>	<b>Final</b>	<b>2</b>	<b>27</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>30</b>	<b>33</b>
<b>Total</b>	<b>(A+B)</b>	<b>2</b>	<b>44</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>50</b>	<b>56</b>



Postgraduate Students enrolled in Faculty of Home Science														
Summary		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
Total Department	Pre	0	55	0	8	0	2	0	3	0	0	0	68	68
Total Department	Final	3	49	0	1	0	1	0	1	0	0	3	52	55
Total College	Pre	0	17	0	2	0	0	0	1	0	0	0	20	20
Total College	Final	2	27	0	1	1	0	0	2	0	0	3	30	33
Total		<b>5</b>	<b>148</b>	<b>0</b>	<b>12</b>	<b>1</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>6</b>	<b>170</b>	<b>176</b>

Postgraduate Students enrolled in Faculty of Engineering														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
MID	I- Sem.	0	0	0	0	0	0	0	0	0	0	0	0	0
MUP	I- Sem.	4	3	0	0	0	0	0	0	0	0	4	3	7
<b>Total</b>	<b>A</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>7</b>
MID	III- Sem.	0	1	0	0	0	0	0	0	0	0	0	1	1
MUP	III- Sem.	4	0	0	0	0	0	0	0	0	0	4	0	4
<b>Total</b>	<b>B</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>5</b>
Total	A	4	3	0	0	0	0	0	0	0	0	4	3	7
Total	B	4	1	0	0	0	0	0	0	0	0	4	1	5
<b>Total</b>	<b>(A+B)</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>4</b>	<b>12</b>

Postgraduate Students enrolled in Faculty of Law														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
LLM-I		64	39	3	4	5	4	7	8	0	0	79	55	134
LLM-II		13	8	1	2	1	1	2	2	0	0	17	13	30
<b>Total I&amp;II</b>		<b>77</b>	<b>47</b>	<b>4</b>	<b>6</b>	<b>6</b>	<b>5</b>	<b>9</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>96</b>	<b>68</b>	<b>164</b>

Postgraduate Students enrolled in Faculty of Management														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
M.B.A. (Pre)	Gen	20	7	2	0	5	0	10	1	1	0	38	8	46
M.B.A. (Pre)	SF	7	4	1	0	2	1	4	0	0	0	14	5	19
M.B.A. (Pre)	NRI	13	4	0	0	0	0	1	0	0	0	14	4	18
<b>Total</b>	<b>A</b>	<b>40</b>	<b>15</b>	<b>3</b>	<b>0</b>	<b>7</b>	<b>1</b>	<b>15</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>66</b>	<b>17</b>	<b>83</b>
M.B.A.(Final)	Gen	12	4	1	1	1	1	9	1	1	0	24	7	31
M.B.A.(Final)	SF	10	1	1	0	3	0	3	1	0	0	17	2	19
M.B.A.(Final)	NRI	18	5	0	0	0	0	0	0	0	0	18	5	23
Total	<b>B</b>	<b>40</b>	<b>10</b>	<b>2</b>	<b>1</b>	<b>4</b>	<b>1</b>	<b>12</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>59</b>	<b>14</b>	<b>73</b>
Total	A	40	15	3	0	7	1	15	1	1	0	66	17	83
Total	B	40	10	2	1	4	1	12	2	1	0	59	14	73
<b>Total</b>	<b>(A+B)</b>	<b>80</b>	<b>25</b>	<b>5</b>	<b>1</b>	<b>11</b>	<b>2</b>	<b>27</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>125</b>	<b>31</b>	<b>156</b>

<b>M.Phil. Students enrolled in Faculty of Science</b>														
<b>Department</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
Mathematics	Gen	3	3	0	0	0	0	0	0	0	0	3	3	6
Physics	Gen	2	4	0	0	0	0	2	0	0	0	4	4	8
Stat.	Gen	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>A</b>	<b>5</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>14</b>
Mathematics	SF	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	SF	0	0	0	0	0	0	0	0	0	0	0	0	0
Statistics	SF	0	0	0	0	0	0	0	0	0	0	0	0	0
Computer Science	SF	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>B</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
M.Phil. (Gen)	A	5	7	0	0	0	0	2	0	0	0	7	7	14
M.Phil. (SF)	B	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>(A+B)</b>	<b>5</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>7</b>	<b>7</b>	<b>14</b>

<b>Postgraduate Students enrolled in Faculty of Science</b>														
<b>Department</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
M.Sc(P)Gen.														
Maths	M.Sc(P)	12	29	5	2	0	3	5	4	0	0	22	38	60
Stat.	M.Sc(P)	20	13	1	1	0	0	5	2	0	0	26	16	42
Physics	M.Sc(P)	24	15	9	1	1	0	4	3	0	0	38	19	57
Chemistry	M.Sc(P)	27	18	4	5	5	5	6	4	0	0	42	32	74
Mat. Sci.	M.Sc(P)	8	10	0	0	0	0	0	1	0	0	8	11	19
Electronics	M.Sc(P)	10	13	3	0	0	0	3	0	0	0	16	13	29
Micro.	M.Sc(P)	1	8	0	1	1	0	1	3	0	0	3	12	15
Zoology	M.Sc(P)	2	9	0	0	1	0	1	1	0	0	4	10	14
Bio-Chem.	M.Sc(P)	4	7	0	0	1	0	2	1	0	0	7	8	15
Botany		1	6	0	3	1	3	0	0	0	0	2	12	14
<b>Total</b>	<b>A</b>	<b>109</b>	<b>128</b>	<b>22</b>	<b>13</b>	<b>10</b>	<b>11</b>	<b>27</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>168</b>	<b>171</b>	<b>339</b>
M.SC(P)S.F														
Mathematics	M.Sc(P)	21	26	0	0	1	0	6	4	0	0	28	30	58
Statistics	M.Sc(P)	0	0	0	0	0	0	0	0	0	0	0	0	0
Physics	M.Sc(P)	25	17	0	0	0	0	8	4	0	0	33	21	54
Chemistry	M.Sc(P)	12	9	1	1	1	0	1	0	0	0	15	10	25
Material Sci.	M.Sc(P)	1	1	0	0	0	0	0	0	0	0	1	1	2
Nano-Tech	M.Sc(P)	0	0	0	0	0	0	0	0	0	0	0	0	0
Electronics	M.Sc(P)	11	6	0	0	0	0	1	0	0	0	12	6	18
Microbiology	M.Sc(P)	1	12	0	0	0	0	0	0	0	0	1	12	13
Zoology	M.Sc(P)	1	0	0	0	0	0	0	0	0	0	1	0	1
Bio-Chem.	M.Sc(P)	0	0	0	0	0	0	0	0	0	0	0	0	0
Botany	M.Sc(P)	0	1	0	0	0	0	0	0	0	0	0	1	1

Bio-Tech.	M.Sc(P)	8	6	0	0	0	0	1	0	0	0	8	7	15
Ind-Bio-Tech.	M.Sc(P)	3	4	0	0	0	0	0	0	0	0	3	4	7
Bio-Information	M.Sc(P)	5	5	0	0	0	0	0	1	0	0	5	6	11
MQPM	M.Sc(P)	33	4	1	0	0	0	6	0	0	0	40	4	44
<b>Total</b>	<b>B</b>	<b>121</b>	<b>91</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>23</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>147</b>	<b>102</b>	<b>249</b>
M.Sc (P) NRI														
Microbiology	M.Sc (P)	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-Tech.	M.Sc(P)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>	<b>C</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total (A+B+C)</b>		<b>230</b>	<b>219</b>	<b>24</b>	<b>14</b>	<b>12</b>	<b>11</b>	<b>50</b>	<b>28</b>	<b>0</b>	<b>0</b>	<b>315</b>	<b>273</b>	<b>588</b>

Postgraduate Students enrolled in Faculty of Science														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
M.Sc(F)Gen														
Mathematics	M.Sc(F)	6	22	0	4	0	0	4	4	0	0	10	30	40
Statistics	M.Sc(F)	26	14	0	0	0	0	0	0	0	0	26	14	40
Physics	M.Sc(F)	14	17	2	0	0	1	2	0	0	0	18	18	36
Organic Chem.	M.Sc(F)													
Inorganic Chem.	M.Sc(F)													
Physical Chem.	M.Sc(F)	31	18	3	1	2	10	2	0	0	0	44	23	67
Analytical Chem.	M.Sc(F)													
Indu. Polymer Chem.	M.Sc(F)													
Material Sci.	M.Sc(F)	7	0	0	0	0	2	0	0	0	0	9	0	9
Electronics	M.Sc(F)	12	8	3	0	0	1	6	2	0	0	21	11	32
Microbiology	M.Sc(F)	1	9	0	1	1	0	5	0	0	0	1	16	17
Zoology	M.Sc(F)	2	7	3	1	0	0	0	1	0	0	5	9	14
Bio-Chem.	M.Sc(F)	5	6	1	2	2	0	1	0	0	0	9	8	17
Botany	M.Sc(F)	4	10	0	0	0	0	2	0	0	0	6	10	16
<b>Total</b>	<b>A</b>	<b>108</b>	<b>111</b>	<b>12</b>	<b>9</b>	<b>5</b>	<b>14</b>	<b>22</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>149</b>	<b>139</b>	<b>288</b>
M.Sc(F)SF														
Mathematics	M.Sc(F)	17	8	1	0	0	0	3	1	0	0	21	9	30
Statistics	M.Sc(F)	0	0	0	0	0	0	0	0	0	0	0		0
Physics	M.Sc(F)	15	11	0	0	0	0	1	4	0	0	16	15	31
Organic Chem.	M.Sc (F)													
Inorganic Chem.	M.Sc (F)													
Physical Chem.	M.Sc (F)	15	3	0	0	0	0	5	1	0	0	20	4	24
Analytical Chem.	M.Sc (F)													
Indu. Polymer Chem.	M.Sc (F)													
Material Science	M.Sc(F)	8	1	0	0	0	0	0	0	0	0	8	1	9
Nano-Tech	M.Sc(F)	2	1	0	0	1	0	0	2	0	0	3	3	6
Electronics	M.Sc(F)	17	5	2	0	0	0	5	2	0	0	24	7	31
Microbiology	M.Sc(F)	1	7	0	0	0	1	2	6	0	0	3	14	17
Zoology	M.Sc(F)	0	0	0	0	0	0	1	0	0	0	0	1	1
Bio-Chem.	M.Sc(F)	0	9	1	0	0	0	0	0	0	0	1	9	10
Botany	M.Sc(F)	2	0	0	1	0	0	0	0	0	0	2	1	3

Bio-Tech.	M.Sc(F)	4	7	0	1	0	1	2	3	0	0	6	12	18
Ind-Bio-Tech.	M.Sc(F)	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-Information	M.Sc(F)	6	16	0	1	0	0	1	2	0	0	7	19	26
MQPM	M.Sc(F)	25	10	1	2	0	1	10	1	0	0	36	14	50
<b>Total</b>	<b>B</b>	<b>112</b>	<b>78</b>	<b>5</b>	<b>5</b>	<b>1</b>	<b>3</b>	<b>30</b>	<b>22</b>	<b>0</b>	<b>0</b>	<b>147</b>	<b>109</b>	<b>256</b>
M.Sc (NRI)														
Microbiology	M.Sc	0	1	0	0	0	0	0	0	0	0	0	1	1
Bio-Tech.	M.Sc	0	2	0	0	0	0	0	0	0	0	0	2	2
<b>Total</b>	<b>C</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>3</b>
<b>Total (A+B+C)</b>		<b>220</b>	<b>192</b>	<b>17</b>	<b>14</b>	<b>6</b>	<b>17</b>	<b>52</b>	<b>29</b>	<b>0</b>	<b>0</b>	<b>296</b>	<b>251</b>	<b>547</b>

Postgraduate Students enrolled in Faculty of Science														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
<b>Microbiology</b>														
ANP(P)	M.Sc (SF)	6	40	0	1	0	3	0	1	0	0	6	45	51
PMP(P)	M.Sc (SF)	3	35	0	5	0	0	5	1	0	0	8	41	49
ARP(P)	M.Sc (SF)	2	5	0	0	0	0	0	1	0	0	2	6	8
<b>Biotechnology</b>														
ANP(P)	M.Sc (SF)	13	28	1	3	1	0	2	1	0	0	17	32	49
ARC(P)	M.Sc (SF)	4	11	0	1	0	0	1	1	0	0	5	13	18
PMP(P)	M.Sc (SF)	13	20	3	0	0	0	1	1	0	0	17	21	38
AMCOST(P)	M.Sc (SF)	3	4	0	0	0	1	0	0	0	0	3	5	8
<b>Organic Chem.</b>														
ANP (P)	M.Sc (SF)	2	1	0	0	0	0	0	0	0	0	2	1	3
PMP (P)	M.Sc (SF)	115	39	5	1	6	1	39	4	0	0	165	45	210
ISTAR (P)	M.Sc (SF)	7	5	0	0	0	1	0	0	0	0	7	6	13
BNP (P)	M.Sc (SF)	99	11	14	1	1	0	14	0	0	0	128	12	140
<b>Biochemistry</b>														
PMP (P)	M.Sc (SF)	1	0	0	0	0	0	1	0	0	0	2	0	2
<b>Physical Chem.</b>														
ARC (P)	M.Sc (SF)	16	2	7	0	3	0	2	2	0	0	28	4	32
<b>Analytical Chem.</b>														
BNPAC (P)	M.Sc (SF)	10	5	0	0	0	0	1	1	0	0	11	6	17
<b>PMP</b>														
M.Sc (IT) (P)	M.Sc (SF)	71	33	2	3	0	0	12	5	0	0	85	41	126
Forensic Science (P)	M.Sc (SF)	6	4	0	2	0	0	2	1	0	0	8	7	15
<b>M.Sc(ISTAR) (P)</b>														
Industrial Chem.	M.Sc (SF)	48	5	3	0	3	1	4	0	0	0	58	6	64
Plastic-Technology	M.Sc (SF)	0	0	0	0	0	0	0	0	0	0	0	0	0
SCT	M.Sc (SF)	40	1	1	0	2	0	5	0	0	0	48	1	49
Environmental Sci.	M.Sc (SF)	27	20	2	2	0	0	3	3	0	0	32	25	57
Instrumentation	M.Sc (SF)	26	2	4	0	0	0	2	0	0	0	32	2	34
Information Tech	M.Sc (SF)	76	39	5	0	0	0	8	3	0	0	89	42	131
Paint & Varnish	M.Sc (SF)	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Total</b>		<b>588</b>	<b>310</b>	<b>47</b>	<b>19</b>	<b>16</b>	<b>7</b>	<b>102</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>753</b>	<b>361</b>	<b>1114</b>

Postgraduate Students enrolled in Faculty of Science														
College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
<b>Microbiology</b>														
ANP(F)	M.Sc (SF)	12	41	0	1	0	0	2	4	0	0	14	46	60
ARC(F)	M.Sc (SF)	1	6	1	0	0	0	0	0	0	0	2	6	8
PMP(F)	M.Sc (SF)	4	43	1	4	0	4	2	6	0	0	7	57	64
<b>Biotechnology</b>														
AMCOST(F)	M.Sc (SF)	11	19	0	0	0	0	1	1	0	0	12	20	32
ARC (F)	M.Sc (SF)	34	26	0	0	0	2	1	1	0	0	35	29	64
PMP(F)	M.Sc (SF)	20	40	6	6	0	1	2	9	0	0	28	56	84
ANP(F)	M.Sc (SF)	12	41	1	4	1	2	2	4	0	0	16	51	67
<b>Organic Chem.</b>														
PMP(F)	M.Sc (SF)	80	24	20	5	22	6	15	4	0	0	137	39	176
ISTAR(F)	M.Sc (SF)	40	7	2	3	0	0	8	0	0	0	50	10	60
<b>ISTAR M.Sc (F)</b>														
Industrial Chem.	M.Sc (SF)	55	0	2	0	0	0	5	0	0	0	62	0	62
Plastic-Technology	M.Sc (SF)	0	0	0	0	0		0	0	0	0	0	0	0
SCT	M.Sc (SF)	50	1	2	0	1	0	6	0	0	0	59	1	60
Environmental Sci.	M.Sc (SF)	18	27	3	0	0	0	8	9	0	0	29	36	65
Instrumentation	M.Sc (SF)	20	18	0	0	0	0	1	0	0	0	21	18	39
Information Tech	M.Sc (SF)	8	8	0	0	0	0	3	1	0	0	11	9	20
Paint & Varnish	M.Sc (SF)	0	0	0	0	0	0	0		0	0	0	0	0
<b>Total</b>		<b>365</b>	<b>301</b>	<b>38</b>	<b>23</b>	<b>24</b>	<b>15</b>	<b>56</b>	<b>39</b>	<b>0</b>	<b>0</b>	<b>483</b>	<b>378</b>	<b>861</b>

Postgraduate Students enrolled in Faculty of Science														
Department		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
MCA (I-Sem)	Gen	13	8	3	0	4	3	5	2	2	0	27	13	40
MCA (I-Sem)	SF	31	7	4	0	1	0	15	0	0	0	51	7	58
<b>Total</b>	<b>A</b>	<b>44</b>	<b>15</b>	<b>7</b>	<b>0</b>	<b>5</b>	<b>3</b>	<b>20</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>78</b>	<b>20</b>	<b>98</b>
MCA(III-Sem)	Gen.	16	12	1	0	1	0	1	1	0	0	19	13	32
MCA(III-Sem)	SF	37	12	1	0	0	0	3	2	0	0	41	14	55
<b>Total</b>	<b>B</b>	<b>53</b>	<b>24</b>	<b>2</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>60</b>	<b>27</b>	<b>87</b>
MCA (V-Sem)	Gen.	16	3	2	1	3	1	8	0	0	0	29	5	34
MCA (V-Sem)	SF	32	4	5	0	0	0	9	0	0	0	46	4	50
<b>Total</b>	<b>C</b>	<b>48</b>	<b>7</b>	<b>7</b>	<b>1</b>	<b>3</b>	<b>1</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>75</b>	<b>9</b>	<b>84</b>
<b>Total (A+B+C)</b>		<b>145</b>	<b>46</b>	<b>16</b>	<b>1</b>	<b>9</b>	<b>4</b>	<b>41</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>213</b>	<b>56</b>	<b>269</b>

Postgraduate Diploma Students enrolled in Faculty of Science														
Department & College		Open		SC		ST		OBC		PH		Total		Total
		M	F	M	F	M	F	M	F	M	F	M	F	
P.G.D.C.A (Department)	Gen	7	8	4	2	2	2	5	2	0	0	18	14	32
<b>Total</b>	<b>A</b>	<b>7</b>	<b>8</b>	<b>4</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>5</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>14</b>	<b>32</b>
P.G.D.C.A (Department)	SF	12	12	3	3	0	0	1	0	0	0	16	15	31
B.J.V.M. (College)	SF	10	7	4	0	0	0	2	0	0	0	16	7	23
C.P.P&F.H.S (College)	SF	23	25	8	2	1	1	4	0	0	0	36	28	64

<b>Total</b>	<b>B</b>	<b>45</b>	<b>44</b>	<b>15</b>	<b>5</b>	<b>1</b>	<b>1</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68</b>	<b>50</b>	<b>118</b>
<b>Total (A+B)</b>		<b>52</b>	<b>52</b>	<b>19</b>	<b>7</b>	<b>3</b>	<b>3</b>	<b>12</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>86</b>	<b>64</b>	<b>150</b>

<b>Postgraduate Students enrolled in Faculty of Pharmacy</b>														
<b>Department</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
M.Pharm(QA)	Pre	1	1	0	0	0	0	0	0	0	0	1	1	2
M.Pharm(PS)	<b>Pre</b>	4	3	0	0	0	0	0	0	0	0	4	3	7
<b>Total</b>	<b>A</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>9</b>
M.Pharm(QA)	Final	8	4	0	1	0	2	0	3	0	0	8	10	18
M.Pharm(PS)	Final	6	2	2	1	1	0	0	2	1	0	10	5	15
<b>Total</b>	<b>B</b>	<b>14</b>	<b>6</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>18</b>	<b>15</b>	<b>33</b>
<b>Total (A+B)</b>		<b>19</b>	<b>10</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>23</b>	<b>19</b>	<b>42</b>

<b>Postgraduate Students enrolled in Faculty of Medicine</b>														
<b>College</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
PG Medical	Pre	10	10	7	7	10	6	3	6	0	0	30	29	59
<b>MLT</b>														
PMP	Pre	5	30	1	1	0	1	1	1	0	0	7	33	40
LPP	Pre	1	6	0	0	1	0	0	1	0	0	2	7	9
ANP	Pre	0	9	0	0	0	1	0	1	0	0	0	11	11
<b>MPHY</b>														
KMP	Pre	0	5	0	0	0	0	0	0	0	0	0	5	5
ANAND	Pre	0	2	0	0	0	0	0	0	0	0	0	2	2
<b>Total</b>	<b>A</b>	<b>16</b>	<b>62</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>8</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>87</b>	<b>126</b>
PG Medical	Final	17	10	10	5	7	3	8	2	0	0	42	20	62
<b>MLT</b>														
PMP	Final	8	23	0	0	0	2	2	5	0	0	10	30	40
LPP	Final	1	5	0	1	0	0	0	1	0	0	1	7	8
MBP	Final	3	20	0	0	0	0	1	0	0	0	4	20	24
<b>MPHY</b>														
KMP	Final	2	3	0	0	0	0	0	0	0	0	2	3	5
ANAND	Final	0	3	0	0	0	0	0	0	0	0	0	3	3
<b>Total</b>	<b>B</b>	<b>31</b>	<b>64</b>	<b>10</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>11</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>83</b>	<b>142</b>
<b>Summary</b>														
<b>Total A</b>	<b>Pre</b>	<b>16</b>	<b>62</b>	<b>8</b>	<b>8</b>	<b>11</b>	<b>8</b>	<b>4</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>39</b>	<b>87</b>	<b>126</b>
<b>Total B</b>	<b>Final</b>	<b>31</b>	<b>64</b>	<b>10</b>	<b>6</b>	<b>7</b>	<b>5</b>	<b>11</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>83</b>	<b>142</b>
<b>Total (A+B)</b>		<b>47</b>	<b>126</b>	<b>18</b>	<b>14</b>	<b>18</b>	<b>13</b>	<b>15</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>98</b>	<b>170</b>	<b>268</b>

<b>Postgraduate Students enrolled in Faculty of Homeopathy</b>														
<b>College</b>		<b>Open</b>		<b>SC</b>		<b>ST</b>		<b>OBC</b>		<b>PH</b>		<b>Total</b>		<b>Total</b>
		<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	<b>M</b>	<b>F</b>	
<b>MD</b>	<b>Pre</b>													
AHM	Pre	8	6	1	2	0	0	2	0	0	0	11	8	19
VHD	Pre	3	5	0	0	0	0	0	0	0	0	3	5	8

<b>Total</b>	<b>A</b>	<b>11</b>	<b>11</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>13</b>	<b>27</b>
<b>MD</b>	<b>Final</b>													
AHM	Final	2	10	0	1	0	0	0	1	0	0	2	12	14
VHD	Final	6	8	0	1	0	0	0	1	0	0	6	10	16
<b>Total</b>	<b>B</b>	<b>8</b>	<b>18</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>22</b>	<b>30</b>
<b>Total (A+B)</b>		<b>19</b>	<b>29</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>22</b>	<b>35</b>	<b>57</b>

## 2.3 INTERNATIONAL STUDENTS

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

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

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

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

### List of Foreign/NRI/NRI-Sponsored students admitted to various courses in 2012-2013

No.	Name of the Scholar	Country	Course	Sponsoring
1	Ms Sujeeta Shrestha	Nepal	MBA	ICCR-Sponsored
2	Ms Samjhana Baral	Nepal	MBA	ICCR-Sponsored
3	Mr Arjun Dhakal	Nepal	MBA	ICCR-Sponsored
4	Ms Nishan Rajkarnikar	Nepal	MBA	ICCR-Sponsored
5	Mr Umesh Lakhey	Nepal	MBA	ICCR-Sponsored
6	Mr Binaya Parajuil	Nepal	MBA	ICCR-Sponsored
7	Mr Surendra Chaudhary	Nepal	MBA	ICCR-Sponsored
8	Ms Elhan Abdullah Mohammed Al-Nayb	Yemen	M.Sc (Chemistry)	Self-Supported
9	Mr Abdalnaser Abdullah Ahmed Al-Masni	Yemen	B.Sc (MLT)	Self-Supported
10	Mr. Abdulrahman Hefdhallah Amer	Yemen	M.Sc (MLT)	Self-Supported
11	Ms Nurumol Suwan	Thailand	Ph.D (Bus. Studies)	Self-Supported
12	Mr Paskorn Puchong	Thailand	Ph.D (Political Sci.)	Self-Supported
13	Mr Pathavee Poonyacharatthumrong	Thailand	Ph.D (Busi. Studies)	Self-Supported
14	Ms Sarantorn Mantmin	Thailand	Ph.D (Political Sci.)	Self-Supported

15	Mr Hassan Abd Jabar Naji Al-Yassiry	Iraq	Ph.D. (English)	Self-Supported
16	Mr Pichit Jaeng Trangphanitwong	Thailand	Ph.D. (Busi. Studies)	Self-Supported
17	Mr Ashish Ganesh Prasad Bhattarai	Nepal	BBA	NRI
18	Mr Damodar Chetnarayan Ghimire	Nepal	BBA	NRI
19	Mr Sunil Savdas Karmur	UAE	BBA	NRI
20	Mr Paurav Hiteshkumar Patel	UK	BCA	NRI
21	Mr Parth J Patel	UK	B.Sc	NRI
22	Mr Varun Pankajbhai Patel	USA	M.A (Psychology)	NRI
23	Mr Dhruvit J Patel	USA	M.Sc (IHIS)	NRI
24	Mr Nikunj Ojesh Patel	USA	MBBS	NRI
25	Mr Fenil Rajesh Gandhi	USA	MBBS	NRI
26	Mr Dutt Sandip Patel	USA	MBBS	NRI
27	Ms Mehrie Harshad Patel	Canada	MBBS	NRI
28	Ms Pratiksha Bharat Shah	Canada	MBBS	NRI
29	Ms Priyanka Sunilbhai Patel	USA	MBBS	NRI
30	Ms Maithily Vipul Patel	USA	MBBS	NRI
31	Ms Rutvi Rakesh Shah	USA	MBBS	NRI
32	Ms Priya Ramesh Purohit	USA	MBBS	NRI
33	Ms Nisarga Rajesh Rane	India	MBBS	NRI- Sponsored
34	Mr Siddharth Vrajesh Jindal	India	MBBS	NRI-Sponsored
35	Mr Jenil Dineshbhai Sabhadiya	India	MBBS	NRI-Sponsored
36	Mr Nisarg Kalpeshbhai Trivedi	India	MBBS	NRI-Sponsored
37	Ms Rima Dineshbhai Patel	India	MBBS	NRI-Sponsored
38	Ms Hemal Kishanlal Punjabi	India	MBBS	NRI-Sponsored
39	Ms Ilmaben Sikandarbhai Vahora	India	MBBS	NRI-Sponsored
40	Ms Jhanvi Vineshchandra Patel	India	B.Physio	NRI-Sponsored
41	Ms Surbhi Pareesh Mehta	India	B.Physio	NRI-Sponsored
42	Ms Rutu Manojkumar Shah	Tanzania	Interior Design	NRI
43	Ms Bhakti Dharmesh Patel	India	B.Arch	NRI-Sponsored
44	Mr Jubil Nileshkumar Bhutwala	India	B.Physio	NRI-Sponsored

## 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

Name of the Post	No.
Professor	12
Associate Professor	45
Assistant Professor	99
Principal	01
Instructor	01
<b>Total</b>	<b>158</b>

### New Appointments made in the year 2012-13

Name of the Post	No.
Professor	--
Associate Professor	--
Assistant Professor	02
<b>Total</b>	<b>02</b>



**Faculty wise, Department wise, and Designation wise Faculty Strength in the year 2012-2013)**

Name of Faculty	Strength	Department	Name of the Post	San. Post.	Post Filled			Post Vacant
					M	F	Total	
<b>Arts</b>	<b>45</b>	Economics	Professor	02	01	--	01	01
			Asso. Prof.	05	--	--	--	05
			Asstt.Prof.	06	04	02	06	--
		Sociology	Professor	01	--	--	--	01
			Asso. Prof.	03	02	--	02	01
			Asstt.Prof.	03	02	01	03	--
		Psychology	Professor	01	01	--	01	--
			Asso. Prof.	01	01	--	01	--
			Asstt.Prof.	03	02	01	03	--
		History	Professor	01	--	--	--	01
			Asso. Prof.	01	--	--	--	01
			Asstt.Prof.	02	02	--	02	--
		Political Science	Professor	01	-	--	--	01
			Asso. Prof.	01	01	--	01	--
			Asstt.Prof.	03	02	01	03	--
		Gujarati	Professor	01	01	--	01	--
			Asso. Prof.	01	01	--	01	--
			Asstt.Prof.	05	02	02	04	01
		English	Professor	01	--	--	--	01
			Asso. Prof.	03	02	--	02	01
			Asstt.Prof.	03	03	--	03	--
		Hindi	Professor	02	01	--	01	01
			Asso. Prof.	03	01	--	01	02
			Asstt.Prof.	05	02	01	03	02
		Drama Performing Arts	Instructor	01	01	--	01	--
		Sanskrit	Professor	01	--	--	--	01
			Asso. Prof.	01	01	--	01	--
			Asstt.Prof.	02	02	--	02	--
		M.Lib. Science	Asso. Prof.	02	--	01	01	01
			Asstt.Prof.	01	01	--	01	--
<b>Total</b>				<b>66</b>	<b>36</b>	<b>09</b>	<b>45</b>	<b>21</b>
					<b>M</b>	<b>F</b>	<b>Total</b>	
<b>Business Studies</b>	<b>09</b>	Business Studies	Professor	02	--	--	--	02
			Asso. Prof.	04	03	--	03	01
			Asstt.Prof.	07	05	01	06	01
<b>Total</b>				<b>13</b>	<b>08</b>	<b>01</b>	<b>09</b>	<b>04</b>
<b>Education</b>	<b>20</b>	Education	Professor	01	01	--	01	--
			Asso. Prof.	03	01	01	02	01
			Asstt.Prof.	03	02	--	02	01
		B.Ed. College	Principal	01	01	--	01	--
			Asstt.Prof.	18	05	09	14	04
<b>Total</b>				<b>26</b>	<b>10</b>	<b>10</b>	<b>20</b>	<b>06</b>
<b>Home Science</b>	<b>05</b>	Home Science	Professor	01	--	01	01	--
			Asso. Prof.	01	01	--	01	--
			Asstt.Prof.	04	--	03	03	01
<b>Total</b>				<b>06</b>	<b>01</b>	<b>04</b>	<b>05</b>	<b>01</b>
<b>Management</b>	<b>08</b>	M.B.A.	Professor	03	01	--	01	02
			Asso. Prof.	04	03	--	03	01
			Asstt.Prof.	05	03	01	04	01

Name of Faculty	Strength	Department	Name of the Post	San. Post.	Post Filled			Post Vacant		
<b>Total</b>				<b>12</b>	<b>07</b>	<b>01</b>	<b>08</b>	<b>04</b>		
<b>Science</b>	<b>71</b>	Physics	Professor	05	02	--	02	03		
			Asso. Prof.	07	06	01	07	--		
			Asstt.Prof.	04	04	--	04	--		
		U.S.I.C.	Professor	01	--	--	--	01		
		Computer Sci. (PGDCA/ MCA)	Professor	01	--	--	--	01		
			Asso. Prof.	03	01	--	01	02		
			Asstt.Prof.	05	03	02	05	--		
		Chemistry	Professor	05	--	--	--	05		
			Asso. Prof.	11	05	--	05	06		
			Asstt.Prof.	14	07	01	08	06		
		Materials Science	Professor	01	01	--	01	--		
			Asso. Prof.	01	--	01	01	--		
			Asstt.Prof.	02	01	01	02	--		
		Biosciences	Professor	03	02	--	02	01		
			Asso. Prof.	08	04	01	05	03		
			Asstt.Prof.	09	06	02	08	01		
		Mathematics	Professor	01	--	--	--	01		
			Asso. Prof.	04	02	--	02	02		
			Asstt.Prof.	08	06	01	07	01		
		Statistics	Professor	01	--	--	--	01		
			Asso. Prof.	03	02	01	03	--		
			Asstt.Prof.	03	02	--	02	01		
		Electronics	Professor	01	--	--	--	01		
			Asso. Prof.	02	01	01	02	--		
			Asstt.Prof.	04	03	01	04	--		
		<b>Total</b>				<b>107</b>	<b>58</b>	<b>13</b>	<b>71</b>	<b>36</b>
		<b>Grand Total</b>				<b>230</b>	<b>120</b>	<b>38</b>	<b>158</b>	<b>72</b>

#### State of Origin of Academic Staff in the year 2012-13

State	No. of Teacher	Percentage
UP & Uttarakhand	04	2.53
Delhi	01	0.63
West Bengal, Orissa & Assam	02	1.27
Kerala, Karnataka & Tamil Nadu	06	3.80
Madhya Pradesh	01	0.63
Maharashtra & Gujarat	132	83.55
Andhra Pradesh	10	6.33
Haryana	01	0.63
Rajasthan	01	0.63
<b>Total</b>	<b>158</b>	<b>100</b>

#### Strength of Non-Teaching Staff in the University in the year 2012-13

Type of Staff	No.
Group A	20
Group B	09
Group C	193
Group D	112
<b>Total</b>	<b>334</b>

**Number of SC/ST Teaching and Non-Teaching Staff in the year 2012-13**

Category	SC	ST	Total
Teaching	13	10	23
Non-Teaching	37	18	55
<b>Total</b>	<b>50</b>	<b>28</b>	<b>78</b>

**STAFF SUMMARY AS ON 31-03-2013**

No	Department	Academic		Technical		Administrative	
		M	F	M	F	M	F
1	Physics & Instrumentation Workshop	12	01	09	---	08	---
2	USIC	---	---	05	---	---	---
3	USIC Level II to Level III	---	---	02	01	01	---
4	Post BSc Diploma course in Computer Science & Application	01	01	---	---	---	---
5	University Computer Centre	---	---	08	02	03	---
6	Master of Computer Application Course	03	01	---	---	---	---
7	Chemistry	12	01	06	02	13	---
8	Materials Science	02	02	01	01	06	---
9	BioSciences	12	03	08	---	08	---
10	Mathematics	08	01	---	---	---	---
11	Statistics	04	01	---	---	01	---
12	Home-Science	01	04	---	01	---	01
13	Electronics	04	02	01	---	02	---
14	Economics	05	02	---	---	---	---
15	Business Studies	08	01	---	---	---	---
16	MBA	07	01	---	---	06	01
17	Sociology	04	01	---	---	---	---
18	Psychology	04	01	---	---	---	---
19	History	02	---	---	---	---	---
20	Political Science	03	01	---	---	---	---
21	Gujarati	04	02	---	---	---	---
22	English	05	---	---	---	---	---
23	Hindi	04	01	01	---	03	---
24	Drama Performing Arts	01	---	---	---	---	---
25	Sanskrit	03	---	---	---	---	---
26	Education	04	01	---	---	---	---
27	Master in Library & Information Science	01	01	---	---	---	01
28	Administrative Unit Humanities & Social Sciences	---	---	---	---	11	---
29	MB Patel College of Education	06	09	---	01	11	01
30	VIII Five Year Plan Posts History	---	---	---	---	---	---
31	University General Administrative Office	---	---	---	---	101	09
32	Estate Section	---	---	07	---	11	---
33	Physical Education & Recreation	---	---	02	---	04	---
34	Examination Reforms Unit UGC	---	---	---	---	02	---
35	Special Cell for SC/ST	---	---	01	---	01	01
36	Museum & Archaeology	---	---	02	---	03	---
37	University Health Centre	---	---	01	01	02	---
38	Men's Hostel No 1 to 3	---	---	---	---	06	---
39	Women's Hostel	---	---	---	---	---	04
40	Bhaikaka Library Students Home	---	---	06	03	21	05
41	University Press	---	---	11	01	02	01
	<b>Total</b>	<b>120</b>	<b>38</b>	<b>71</b>	<b>13</b>	<b>226</b>	<b>24</b>

### SUMMARY AS ON 31-03-2013

	Male	Female	Total
Academic	120	38	158
Technical	71	13	84
Administrative	226	24	250
<b>Total</b>	<b>417</b>	<b>75</b>	<b>492</b>

### 2.5 NEW APPOINTMENTS MADE IN 2012-2013

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

### 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- Carbohyderazide 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.

## DEPARTMENT OF ELECTRONICS

<b>I-Semester (Individual)</b>	
1	Digital Channel Selector
2	Automatic Street light Controller
3	Electronic Lock
4	Intelligent Switch
5	Twilight Switch
6	Ultrasonic Radar
7	Security System
8	All in One alarm
9	Water Heater Controller
10	IR Remote Switch
11	Auto Power Controller
12	Mains Failure alarm
13	Office Call Bell System
14	Frequency measurement on multi meter
15	Mains wiring fault detector
16	IR remote control switch
17	Digital Code Lock
18	Office called bell
19	Heart beat monitor
20	Automatic control for outdoor lights
21	Square & triangular wave generator
22	Automatic room power controller
23	Touch operated digital volume controller
24	Versatile power supply
25	Touch operated volume control
26	Hand washing system
27	Flash type ADC
28	Adjustable power supply
29	Electronic harmonium
30	Auto torch light with melody
31	Tele visage
32	Digital stopwatch
33	Intelligent switch
34	Ultrasonic switch
35	High order band stop filter
36	Infrared switch
37	Dual Power Supply
38	Automatic street light controller
39	Remote control for home appliance
40	Power Supply (Fixed Voltage)
<b>II-Semester (Group Projects)</b>	
1	DC Motor Speed Controller
2	8-bit ADC Interface
3	LCD interfacing using parallel port (using C Language)
4	Stepper Motor Controller using C Programming (Mouse Interface)
5	Interfacing 0800 ADC on parallel Port
6	16x2 LCD Interfacing
7	Multiple Seven Segment Display using C language
8	16-Relay Board Controller Via PC Parallel Port

<b>III-Semester (Group Projects)</b>	
1	Fabrication & Characterization of Thin Film Capacitance by sputtering technique
2	Structural study and measurement of optical band gap of Semiconductor Thin film
<b>IV-Semester (Group Projects)</b>	
1	PLC based Bottle Feeling Plant
2	PLC based Paper Winding Machine control
3	PC based Humidity/Temperature Control System
4	Temperature control system using Microcontroller
5	Humidity/Temperature Control for Green house effect using Microcontroller
6	Computer Network using wireless Technology

## **DEPARTMENT OF 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.

## **(4) COMPUTER TRAINING / INTERNET CONNECTIVITY**

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

## **(5) SPECIAL EFFORTS FOR NET-JRF/GATE**

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

## **(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.

**(7) ACADEMIC TOURS ORGANIZED IN 2012-2013**

No	Department	Place of Visit	Purpose
1	Electronics	---	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)
2	Business Studies	IDMC GIDC, Vithal Udhyognagar, Vallabh Vidyanagar	Industrial Visit of M.Com. Students (Sem-II), on 15 <sup>th</sup> September 2012.
		Amul Dairy Anand	Industrial Visit of M.Com. Students (Sem-IV), on 12 <sup>th</sup> January 2013
3	Education	Narmda Dem, Sardar Sarovar	Academi Purpose
4	History	Champaner and Pavagadh	Department organized a one Day academic tour for Study historical monuments of medieval Gujarat. Chamapaner 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.
5	Library & Information Science	Ahmedabad	To visit various Libraries for observational study in February 2012
6	MSW (Social Work)	Kerala and Pune	Study tour with Social work and HR students during septemeber 2012 for various industries, governmental and non governmental exposoures
		Rajkot and Bhavnagar	Rural camp with Social work and HR students during august 2012 for fieldwork, visits and research

**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 itroduction 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 prepring for examination a question bank for each paper is prepared and circulated among the students. The questions set usually require a reasonable amount of knowledge and skills pertaining to a course in a given unit from a student. We have a transparent system of allowing the students to see their marked scripts after every internal test and the examiner concerned takes time to discuss with his/her students the nitty-gritty of evaluation. The provision of blind assessment (the scripts are flapped!), and blind reassessment by teachers outside the university for students on the PG courses, and the teachers of the Postgraduate Department concerned in the University for the undergraduate

examinations are made. What is more, there is moderation of assessment at undergraduate level examinations.

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

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

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

No.	Name of Exam	Reg.	App.	Passed	FD	First	Second	Pass
1	BA	1954	1937	1082	29	320	620	114
2	TYBA (External)	555	538	272	1	1	85	182
3	MA	1169	1161	1124	NA	652	467	5
4	BLib & Information Science	38	38	36	NA	36	6	NA
5	MLib & Information Science	55	55	50	NA	38	12	NA
6	BSW	218	217	209	47	103	59	NA
7	MSW	399	397	393	NA	380	13	NA
8	B Music & Dance	12	12	12	12	NA	NA	NA
9	B Interior Design	71	71	71	3	16	52	NA
10	Master of Interior Design	2	2	2	NA	NA	1	NA
11	BSc	1188	1186	734	140	314	267	13
12	BCA	1010	1001	733	91	177	346	119
13	MCA	83	83	81	13	32	34	2
14	MSc Physics	62	62	62	NA	50	12	NA
15	MSc Chemistry	448	447	439	NA	361	78	NA
16	MSc Pharmaceutical Chemistry	45	45	45	NA	45	-	NA
17	MSc Mathematics	70	70	67	NA	51	15	1
18	MSc Statistics	40	40	38	NA	12	24	2
19	MSc Electronics	62	62	62	NA	53	9	-
20	MSc Instrumentation	38	38	38	NA	34	4	-



21	MSc Biotechnology	270	270	265	NA	231	33	1
22	MSc Botany	19	19	19	NA	14	5	NA
23	MSc Microbiology	167	167	158	NA	95	63	NA
24	MSc Zoology	15	15	15	NA	14	1	NA
25	MSc Biochemistry	106	106	106	NA	97	9	NA
26	MSc Environmental Science	68	68	68	NA	61	7	NA
27	MSc Information Science	NA	NA	NA	NA	NA	NA	NA
28	MSc Integrated Biotechnology	NA	NA	NA	NA	NA	NA	NA
29	MSc Industrial Biochemistry	NA	NA	NA	NA	NA	NA	NA
30	MSc Materials Science	18	18	18	NA	12	6	NA
31	MSc Nanoscience	6	6	6	NA	6	NA	NA
32	MSc Bioinformatics	27	27	27	NA	26	1	NA
33	MSc Plastics Technology	NA	NA	NA	NA	NA	NA	NA
34	MSc Paints & Warnishing	NA	NA	NA	NA	NA	NA	NA
35	MSc Industrial Chemistry	69	69	69	NA	65	4	NA
36	MQPM	49	49	49	3	19	23	4
37	BCom	1752	1738	760	45	228	433	54
38	BCom (Honours)	38	38	37	6	16	12	3
39	MCom.	345	341	341	NA	330	11	-
40	IV BBA	326	326	277	33	122	113	9
41	TYBBA	419	406	155	NA	NA	NA	NA
41	MBA	81	81	75	NA	NA	NA	75
42	Masetr of E-Business	84	83	78	NA	75	3	NA
43	BEd	1109	1099	1097	NA	1095	2	NA
44	BEd (English)	93	93	93	NA	93	NA	NA
45	BEd (Advanced)	99	98	97	NA	97	NA	NA
46	MEd	87	87	85	NA	85	NA	NA
47	BPEd	45	44	44	NA	44	NA	NA
48	LLB (General)	218	216	181	1	11	146	23
49	LLB (Special)	151	149	121	NA	18	97	6
50	LLM (Part-II)	161	135	35	NA	NA	13	22
51	BSc (Home Science)	111	108	98	13	36	38	11
52	MSc (Home Science)	73	73	73	NA	56	16	1
53	BPhysiotherapy	46	46	45	NA	19	NA	26
54	MPhysiotherapy	8	8	8	NA	NA	NA	8
55	MBBS	11	11	11	NA	NA	NA	11
56	MD	24	24	22	NA	NA	NA	22
57	MS	8	8	7	NA	NA	NA	7
58	BHMS	178	177	129	NA	9	120	NA
59	MD Homoeopathy	NA	NA	NA	NA	NA	NA	NA
60	BArchitecture	37	37	37	3	15	19	NA
61	MUrban Planning	2	2	2	NA	2	NA	NA
62	MA (Final) (External)	1523	1396	699	NA	NA	41	658
63	MSc (MLT) (Part-II)	82	82	73	4	35	29	5
64	MCom (External)	782	715	335	NA	3	117	215
65	MHRM	284	281	279	NA	273	6	NA
66	MPA-(IV)	58	58	58	1	17	34	6

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

No.	Name of Exam.	Reg.	App.	Passed	FD	First	Second	Pass
1	PG Diploma in Media Studies	NA	NA	NA	NA	NA	NA	NA
2	PG Diploma in Rural Social Work	NA	NA	NA	NA	NA	NA	NA
3	PG Diploma in Disaster Management	NA	NA	NA	NA	NA	NA	NA

4	PG Diploma in Functional Hindi	NA	NA	NA	NA	NA	NA	NA
5	Diploma in Music & Dance	23	20	20	14	4	1	1
6	Diploma in Drama & Dramatics	NA	NA	NA	NA	NA	NA	NA
7	PG Diploma in Computer Science Application	152	148	104	9	34	42	19
8	Post BSc Diploma in Instrumentation	NA	NA	NA	NA	NA	NA	NA
9	Post BSc Diploma in Analytical Chemistry	NA	NA	NA	NA	NA	NA	NA
10	PG Diploma in Polymer Science	NA	NA	NA	NA	NA	NA	NA
11	PG Diploma in Business Administration	NA	NA	NA	NA	NA	NA	NA
12	PG Diploma in Marketing management	1	1	1	NA	NA	NA	1
13	PG Diplomain Human Resource Development	32	30	29	NA	NA	NA	29
14	PG Diploma in Business Management	23	22	20	1	8	9	2
15	Diploma in Guidance & Counselling	76	72	72	NA	NA	NA	72
16	Diploma in Labour Laws & Practice (DLP)	159	148	123	NA	NA	123	NA
17	Diploma in Taxation Laws & Practice (DTP)	78	74	69	NA	27	40	2
18	Dip in Pharmacy	NA	NA	NA	NA	NA	NA	NA
19	Diploma in General Nursing	22	22	20	NA	NA	NA	20
20	Diploma in Medical Laboratory Technology (DMLT)	83	83	72	6	36	27	3
21	DMRD (Radio-diagnosis)	1	1	1	NA	NA	NA	1
22	DA (Anesthesia)	6	6	6	NA	NA	NA	6
23	DLO (ENT)	NA	NA	NA	NA	NA	NA	NA
24	DCH (Paediatrics)	1	1	1	NA	NA	NA	1
25	Diploma in Orthopadics	2	2	2	NA	NA	NA	2
26	DGO (Obst. & Gyanaecology)	1	1	1	NA	NA	NA	1
27	Certificate Course SPSS	NA	NA	NA	NA	NA	NA	NA
*	BA (REGULAR)	1940	1924	1069	21	316	619	113
*	BA (ENG)	13	13	13	8	4	1	NA
*	MSC (IBT)	6	6	6	NA	6	NA	NA

#### (4) Gold Medals awarded in 2012 (55<sup>th</sup> Annual Convocation)

No.	Degree	Gold Medals	No.	Degree	Gold Medals
1	BA	03	21	Master of E-Business	01
2	MA	14	22	LLB (General)	01
3	BLib	01	23	LLB (Special)	01
4	BInterior Design	01	24	LLM	01
5	MSW	01	25	BSc (Home Science)	05
6	MPhli (History) (2011 & 2012)	02	26	MSc (Home Science)	01
7	BSc	16	27	BPharm	01
8	MSc	27	28	MPharm	02
9	BCA	01	29	BEEd	02
10	MCA	05	30	BEEd (Advanced)	01
11	BE	00	31	BEEd (English)	02
12	BArchitecture	02	32	BPEd	01
13	ME	---	33	MEEd	02
14	MTech	---	34	MEEd (English)	01
15	Master of Valuation	02	35	MBBS (2010 & 2011 Batch)	20

16	Master of Industrial Hygiene & Safety	01	36	MS (General Surgery)	01
17	BCom	03	37	Mlib	01
18	MCom	02	---	---	---
19	BBA	01	---	---	---
20	MBA	02	---	---	---
<b>Total</b>					<b>128</b>

**(5) List of gold medalists for the year 2012-2013**

SR No.	Name of the Exam	Name of the Gold Medal	Seat No and College or Department	Name of the Students Awarded the Medal
1.	B.A.	Sheth Hargovandas Lakhmichand Gold Plated Medal (Economics)	1314 NSP	Jyotiben Maganbhai Solanki
2.	B.A.	Dr. Omanand R. Saraswat Gold Plated Medal (Hindi)	1069 BAC	Lalitaben Navalkishor Prajapati
3.	B.A.	Charotar Nagrik Sahakari Bank Ltd. Gold Plated Medal (Gujarati)	396 NSP	Dhruvinkumar Ramanbhai Patel
4.	B. Interior Design	Parisar Trust Interior Design Gold Medal	09ID28	Mirali Paresh Amin
5.	M.A.	Shri Shivabhai Marghabhai Patel Gold Plated Medal	1220 NATV	Snehakumari Piyushkumar Dubey
6.	M.A.	Pandit Motilal Nehru Centenary Gold Plated Medal	756 DEPTT	Ajitsinh Rangitsinh Parmar
7.	M.A.	Sheth Rupsi Madhavji Memorial Sanskrit Gold Plated Medal	756 DEPTT	Ajitsinh Rangitsinh Parmar
8.	M.A.	Pancham Pithadhishwar Goswamiji, Shri Govindlalji Maharaj, Gold Plated Medal	756 DEPTT	Ajitsinh Rangitsinh Parmar
9.	M.A.	Prof. R.K. Amin Gold Plated Medal (Economics)	941 DEPTT	Hetal Sureshbhai Dalwadi
10.	M.A.	Late Shri Dahyabhai Tulsibhai Patel (Bakrol) Gold Plated Medal(Agri.Eco.)	952 NSP	Jatin Natverbhai Barot
11.	M.A.	Late Prof. Jashbhai Kashibhai Patel Smruti Suvarna Chandrak(Gujarati)	308 DEPTT	Farhanabanu Mahemudsha Diwan
12.	M.A.	Satyabala Vimochanrav Desai Gujarati Gold Medal	308 DEPTT	Farhanabanu Mahemudsha Diwan
13.	M.A.	Prof. R.A. Dave Gold Plated Medal (English)	98 DEPTT	Khushboo Mohan Gulrajani
14.	M.A.	Smt. Kashiben Motibhai Lallubhai Patel (Ras ) Gold Plated Medal	866 DEPTT	Dasharathbhai Balvantbhai Baraiya

15.	M.A.	P.G. History Department Sardar Patel University Gold Plated Medal	890 DEPTT	Ramanbhai Parsubhai Maida
16.	M.A.	Dr.(Mrs.)Cashmera P. Bhaya Gold Medal (Sociology)	1067 DEPTT	Daksheshkumar Bhanubhai Patel
17.	M.A.	Shri M.G. Merchant Smt. Neelam Merchant & Dr. Amrapali Merchant Gold Medal (Sociology)	1067 DEPTT	Daksheshkumar Bhanubhai Patel
18.	M.A. (E.L.T)	Charutar Vidya Mandal's H M Patel Gold Plated Medal	1214 HMPI	Yash Ramjibhai Chaudhary Khario Madh
19.	B.Lib. Sci.	Dr Gordhanbhai Shanabhai Patel Gold Plated Medal	20 DEPTT	Madhuriben Vinodchandra Chauhan
20.	M.Lib. Science	Dr. C.N. Raval Gold Medal	04 DEPTT	Sejalben Chimanbhai Barot
<b>FOR 2011</b>				
21.	M.Phil (History)	Smt. Shardaben And Shri Manubhai Raghubhai Solanki Gold Plated Medal	71 CERLIP	Hareshbhai Ghanshyambhai Mithapara
<b>FOR 2012</b>				
22.	M.Phil (History)	Smt. Shardaben And Shri Manubhai Raghubhai Solanki Gold Plated Medal	58 CERLIP	Ripalkumar Arvindbhai Patel .
23.	M.S.W.	Shri R.O.Shah State Bank Of India Employees Union Ahmedabad Circle Gold Medal	38 DEPTT	Bhumitkumar Johnbhai Parmar
24.	B.Sc.	Smt. Kamlaben Chandulal Desai Gold Plated Medal (Chemistry)	604 MBP	Jayendrabhai Dhulabhai Sodhaparmar
25.	B.Sc.	Dr. Kanubhai Chunibhai Desai Gold Medal (Chemistry)	604 MBP	Jayendrabhai Dhulabhai Sodhaparmar
26.	B.Sc.	Dr. B N Mankad Gold Plated Medal(Chemistry)	560 NVPAS	Gourav Chaouhan
27.	B.Sc.	Smt. Ramaben Ghanshyambhai Patel, Gold Plated Medal (Botany)	441 VPM	Minnu Gopalkrishnan
28.	B.Sc.	Shri Babubhai Jashbhai Patel Gold Plated Medal (Electronics)	1104 VPM	Swati Mukund Sahasrabuddhe
29.	B.Sc.	Shri Kuberbhai Vrajbhai Patel Gold Plated Medal	1881 MBP	Sneha Ramesh Upadhyay
30.	B. Sc.	Dr. H. K. Patel Charutar Vidya Mandal Gold Medal, (Physics)	1881 MBP	Sneha Ramesh Upadhyay
31.	B.Sc.	Prin. N. D. Desai Gold Plated Medal (Mathematics & Statistics)	1474 VPM	Rajshreeben Khemabhai Patel

32.	B.Sc.	Dipee Chemicals Private Ltd.(Ankleshwar), Gold Plated Medal (Ind.Chemistry)	1243 VPM	Alkeshkumar Viranchibhai Patel
33.	B.Sc.	Dr. D.A.Raval Gold Medal (Ind.Chemistry)	1243 VPM	Alkeshkumar Viranchibhai Patel
34.	B.Sc.	Charutar Vidya Mandal Gold Plated Medal (Instrumentation)	1357 NVPAS	Sourav Guha
35.	B.Sc.	Charutar Vidya Mandal Gold Plated Medal (Bio-Technology)	303 MBP	Nehal Maheshbhai Patel
36.	B.Sc.	Charutar Vidya Mandal Gold Plated Medal (Environmental Science)	1155 NVPAS	Maitrikkumar Rameshbhai Patel
37.	B.Sc.	Charutar Vidya Mandal Gold Plated Medal (Information Technology)	1325 NVPAS	Nisha Jadav
38.	B. Sc.	Dr. B. R. Patel Gold Medal (Genetics)	1177 NVPAS	Hiral Manojkumar Sanghavi
39.	B. Sc.	Dr. B. R. Patel Gold Medal (Bio-Informatics)	114 NVPAS	Akshay Suthar
40.	M.Sc.	Shri Ashabhai Baberabhai Patel Gold Plated Medal (All Branch)	31 DEPT	Chikitaben Kirtikumar Patel
41.	M.Sc.	Prin N.D. Desai Gold Plated Medal, (Mathematics & Statistics)	31 DEPT	Chikitaben Kirtikumar Patel
42.	M.Sc.	Purushottam L. Patel Of (Sojitra) Gold Medal (Mathematics)	31 DEPT	Chikitaben Kirtikumar Patel
43.	M.Sc.	Dr. M.D. Avasare Gold Plated Medal(Chemistry)	117 DEPT	Dharatibahen Shaileshkumar Patel
44.	M.Sc. (Organic Chemistry)	Late Shri Mahendrabhai Gordhanbhai Patel Gold Plated Medal	117 DEPT	Dharatibahen Shaileshkumar Patel
45.	M.Sc.	Dr. M.R. Patel Gold Plated Medal (Transpek Limited) (Chemistry)	307 DEPT	Sharadkumar Chaturbhai Karad
46.	M.Sc.	Dr. Ranchhodbhai Madhavbhai Patel, Gold Plated Medal (Botany)	03 DEPT	Manprit Kaur Keharsingh Saini
47.	M.Sc.	Prof. Raojibhai Jijibhai Patel, Shashthi Puri Samaroh Gold Plated Medal (By Rotation) Botany, Zoology, Bio-Chem.	03 DEPT	Manprit Kaur Keharsingh Saini
48.	M.Sc.	Prof. S.M. Shah Gold Plated Medal, (Statistics)	07 DEPT	Dadasaheb Dilip Choudhari
49.	M.Sc.	O.C. Shah Usha Paints Gold Plated Medal (Surface Coating)	32 ISTAR	Mayur Mavji Solanki

50.	M.Sc.	Soujanya Enterprisies Gold Medal (Surface Coating)	32 ISTAR	Mayur Mavji Solanki
51.	M.Sc.	Charutar Vidya Mandal Yashodharaben Ambalal Patel Gold Plated Medal (Plastics Technology)	03 ISTAR	Divy Nahata
52.	M.Sc.	Maharshi Dayanand Saraswati Gold Plated Medal Charotar Pradesh Arya Samaj Anand. (Microbiology)	113 BRD	Jenny Johnson
53.	M.Sc.	Charutar Vidya Mandal Dr. R P Patel Gold Plated Medal (Industrial Chemistry)	30 ISTAR	Piyush Bhanubhai Savliya
54.	M.Sc.	Dr. A.R. Patel 60th Birthday Celebration Gold Plated Medal (Physics)	04 DEPT	Ashokkumar Meghajibhai Gujarati
55.	M.Sc.	Dr. Chandrakant Chunibhai Desai Gold Medal (Physics) Condensed Matter Physics	04 DEPT	Ashokkumar Meghajibhai Gujarati
56.	M.Sc.	P.Pu. Pramukhswami Maharaj Gold Plated Medal (Electronics)	01 DEPT	Aashiyabanu Iqbalhusain Saiyed
57.	M.Sc.	Maharshi Dayanand Saraswati Gold Plated Medal, Charotar Pradesh Arya Samaj Anand. (Bio- Tech)	202 BRD	Richa Bharatbhai Patel
58.	M.Sc.	Smt. Meenakshi Subramaniam Gold Medal (Bio-Tech.)	202 BRD	Richa Bharatbhai Patel
59.	M.Sc.	Materials Research Society Of India (Gujarat Chapter) Gold Plated Medal (Mat.Sci.)	17 DEPT	Twisampati Arunava Bhandari
60.	M.Sc.	Shushilaben Manubhai Patel Gold Plated Medal (Information Technology)	47 ISTAR	Janhvi Anilkumar Kalaria
61.	M.Sc.	Dr. B P Swadas Gold Plated Medal, Charutar Vidya Mandal (Oil, Fats & Waxes)		No Students Offered This Course
62.	M.Sc.	Prof. L.M. Anjaria Charutar Vidyamandal Gold Plated Medal (Instrumentation)	02 ISTAR	Ektaben Kamleshbhai Suthar
63.	M.Sc.	Smt. Vimlaben Gunvantbhai Patel & Shri Gunvantbhai Chhotabhai Patel Gold Plated Medal (Instrumentation)	02 ISTAR	Ektaben Kamleshbhai Suthar

64.	M.Sc.	Charutar Vidyamandal Gold Medal , (Environmental Science)	16 ISTAR	Kinjisha Dipakbhai Patel
65.	M.Sc.	Ajay R. Bhatt (U.S.A) Memorial Gold Medal Bioinformatics	06 DEPT	Dixita Hasmukhbhai Limbachiya
66.	M.Sc.	Dr. Rallabhandi Sailaja's Memorial Gold Medal (Zoology)	07 BRD	Namrataben Dineshbhai Patel
67.	M.Sc.	Prof. I.L.Kothari Gold Medal	01 DEPT	Ankita Pandey
68.	B.C.A.	Late Shri Tribhuvandas K Patel The First Managing Trustee Of Sardar Patel Education Trust Anand Gold Plated Medal"	374 ACC	Heema Harishankar Sharma
69.	M.C.A.	Shri Purushottamdas Shivabhai Patel (Nar) Gold Plated Medal	70 DEPT	Pooja Shailesh Jaiswal
70.	M.C.A.	Smt. Hansaben Rameshbhai Patel Mahudha (Anand) Gold Medal (MCA & MCA Lateral)	70 DEPT	Pooja Shailesh Jaiswal
71.	M.C.A.	Late Shri Praffulchandra Ambalal Patel Gold Plated Medal	17 DEPT	Devendra Parshotambhai Solanki
72.	M.C.A.	Shri R Subramaniam Gold Medal	17 DEPT	Devendra Parshotambhai Solanki
73.	MCA	"Late Jigar Jitendra Patel Gold Plated Medal"	17 DEPT	Devendra Parshotambhai Solanki
<b>FOR YEAR 2011</b>				
99.	MV. (Plant & Machinery)	Shri Pragji Dharshi Budhbhatti Gold Plated Medal	09VP708	Murad Madadali Lakhani
<b>FOR YEAR 2012</b>				
101.	MV. Real-Estate	Smt. Vasantben Chunilal Shah Gold Plated Medal	10VR804	Meghaben Kirankumar Shah
103.	MIHS	Charutar Vidyamandal Gold Medal (Industrial Hygiene & Safety)	10IH407	Kuldeep Pravinkumar Prajapati
104.	B. Architectur e	Parisar Trust Architecture (Gold Medal)	06SA112	Swapna Kothari
105.	B. Architectur e	Late Ar Suryakant Patel Gold Medal	06SA112	Swapna Kothari
106.	B.Com.	The Bank Of India Prize Gold Plated Medal (Adv. Banking)	1798 BJVM	Jignaben Yashwantkumar Patel
107.	B.Com.	Shri Hassam Premji Gold Plated Medal (Over All)	1604 SEMCOM	Anushi F Patel

108.	B.Com.	Dahiben Vallabhbbhai Patel (Mahelav) Gold Plated Medal Advanced Accounting & Auditing	568 ACC	Jayesh Anilkumar Agrawal
109.	M.Com.	Mafatlal Industries Limited Gold Medal	128 DEPT	Mauleeben Digishbhai Mehta
110.	M.Com.	Prof. Manubhai M. Shah Gold Medal	128 DEPT	Mauleeben Digishbhai Mehta
111.	B.B.A.	Ashabhai Baberbhai Patel (Anand) Gold Plated Medal	558 AIBS	Hiralben Amrutbhai Patel
112.	M.B.A.	Gordhanbhai Hathibhai Patel Gold Plated Medal (Marketing Management)	10M10 DEPT	Diwash Raj Dahal
113.	M.B.A.	Smt Chandan M Parikh Memorial Trust (Sankheda) Gold Plated Medal (Financial Management)	10F54 DEPT	Jaymitkumar Vasantlal Chauhan
114.	M.E.BUSI NESS	Charutar Vidya Mandal's Dr Rajnikant Muljibhai Patel Gold Plated Medal	74 SEMCOM	Rini Sanjiv Siyoni
115.	LL.B. (GEN)	The Anand Mercantile Co-Operative Bank Limited Gold Plated Medal	85 ALC	Kalpeshkumar Vitthalbhai Prajapati
116.	LL.B. (SP.)	Justice Chaturbhai N. Patel, Gold Plated Medal	31 ALC	Dhavalkumar Mithabhai Parmar
117.	LL.M.	Shri Gordhanbhai Shanabhai Patel Gold Plated Medal	104 ALC	Hari Krishna
118.	B.Ed.	Shri Chaturbhai Ichchhabhai Patel Gold Plated Medal	441 NHPC	Richaben Anantkumar Shah
119.	B.Ed.	Shrimati Ansuyaben Natvarlal Pancholi Gold Plated Medal	639 ACE	Krupalben Dhirajbhai Christian
120.	B. Ed. (Advanced) (English Medium)	Dr. C. L. Patel Anupam Gold Medal	46 Waymade	Akanksha Singh
121.	B.Ed. (English)	Shri B C Patel Gold Plated Medal	23 HMPI	Anitaben Ramkirti Jhamb
122.	B.Ed. (English)	Shri Chaturbhai Kalidas Desai (Nadiad) Gold Plated Medal	02 HMPI	Jerald Stalin Ramesh M
123.	B.P.Ed.	Charutar Vidya Mandal P C Vaidya Gold Plated Medal	57 SSP	Vishalkumar Jagdishbhai Suthar
124.	M.Ed.	Prof. T.K.N. Menon Gold Plated Medal	90 DEPT	Radhika Rameshbhai Patel
125.	M.Ed.	Prof. Jayendrabhai Kakubhai Dave Gold Plated Medal	90 DEPT	Radhika Rameshbhai Patel
126.	M.Ed. (English Medium)	Parshwanath Reyalety Praivate Ltd. Gold Medal	47 Waymade	Shubhangi Bhardwaj



128.	B.Sc. Home Human Developmen	Surajba Ishverbhai Patel (Uttarsanda) Gold Plated Medal	60 SMP	Hetalben Rameshbhai Talapara
129.	B.Sc (Home Sci.) All Branch	Manibhai Shivabhai Patel Manibhai Patel & Brothers (Charitable Trust) (Gold Medal)	60 SMP	Hetalben Rameshbhai Talapara
130.	B.Sc. Home Family Resources Manage- ment	V.C. Desai Charity Trust Smt. Lilaben Desai Gold Plated Medal	42 SMP	Smitalben Pravinkumar Machhi
131.	B.Sc. Home (Foods & Nutrition)	Mrs. B. Tarabai Gold Plated Medal	125 SMP	Zarna Kaushikbhai Patel
132.	B.Sc. Home- Clothing & Textile	Gangaben Nathabhai Patel Gold Plated Medal	04 SMP	Poonamben Chimanbhai Oza
133.	M.Sc (Home-FN Branch)	Prof S S Sail Gold Plated Medal	12 DEPT	Hinal Naileshkumar Patel
134.	B.Pharm.	Smt. Champaben Ramanbhai Patel Gold Plated Medal	02 SPC	Arpitkumar Sureshbhai Panchal
135.	M.Pharm	Popatlal S Patel, (Vipor Chemicals) ,Gold Plated Medal (Quality Assurance)	11 DEPT	Rutika R. Patel
136.	M.Pharm	Charutar Vidya Mandal Gold Medal ,(Pharmaceutics)	04 DEPT	Janki Bankimkumar Parikh
<b>MARCH - 2009</b>				
140.	M.B.B.S. (Part-I) Communit y Medicine	Late Maniben Raojibhai Patel Gold Plated Medal	08 PSMC	Anuja Kedia
141.	M.B.B.S. (Part-I) (Ophthalm ology)	Dr Bhikhubhai S Patel Gold Plated Medal	16 PSMC	Dharaben Bankimchandra Joshi
142.	M.B.B.S. (Part-I) ENT	Swami Shri Krishnanandji (Bhadran) Gold Plated Medal	72 PSMC	Prerana Parag Mankad
<b>MARCH - 2010</b>				
143.	M.B.B.S. (Part-I & II)	Dr. H.C. Srivastava M.S. F.A.M.S. Gold Medal	74 PSMC	Prerana Parag Mankad
144.	M.B.B.S. (Part-I & II)	Desai Dadubhai Apasaheb (Bakrol) Gold Plated Medal	74 PSMC	Prerana Parag Mankad

145.	M.B.B.S. (Part-I & II)	Late Smt. Lataben Madhubhai Desai, (Nadiad) Gold Medal	74 PSMC	Prerana Parag Mankad
146.	M.B.B.S. (Part-II) (Surgery)	Swami Shri Krishnanandji (Bhadran), Gold Plated Medal	74 PSMC	Prerana Parag Mankad
147.	M.B.B.S. (Part-II) Medicine	Dr. Piyush Ravjibhai Patel Gold Plated Medal	15 PSMC	Chinmayee Ambikesh Padhya
148.	M.B.B.S.	Bhaikaka Gold Plated Medal	15 PSMC	Chinmayee Ambikesh Padhya
149.	M.B.B.S. (Part-II) Obstetrics & gynecology	Swami Shri Krishnanandji (Bhadran), Gold Plated Medal	81 PSMC	Rohan Surendrakumar Batra
<b>MARCH - 2010</b>				
150.	M.B.B.S. (Part-I) ENT	Swami Shri Krishnanandji (Bhadran) , Gold Plated Medal	03 PSMC	Aditi Chhonkar
151.	M.B.B.S. (Part-I) (Ophthalmology)	Dr Bhikhubhai S Patel Gold Plated Medal	68 PSMC	Natasha Atul Tipnis
152.	M.B.B.S. (Part-I) (Community Medicine)	Late Maniben Raojibhai Patel Gold Plated Medal	34 PSMC	Himani Vinayak Patel
<b>FEBRUARY - 2011</b>				
153.	M.B.B.S. (Part-II) Medicine	Dr. Piyush Ravjibhai Patel Gold Plated Medal	34 PSMC	Himani Vinayak Patel
154.	M.B.B.S. (Part-I & II)	Dr. H.C. Srivastava M.S. F.A.M.S.,Gold Medal	34 PSMC	Himani Vinayak Patel
155.	M.B.B.S. (Part-I & II)	Desai Dadubhai Apasaheb (Bakrol), Gold Plated Medal	34 PSMC	Himani Vinayak Patel
156.	M.B.B.S. (PART-I & II)	Late Smt. Lataben Madhubhai Desai, (Nadiad) Gold Medal	34 PSMC	Himani Vinayak Patel
157.	M.B.B.S.	Bhaikaka Gold Plated Medal	34 PSMC	Himani Vinayak Patel
158.	M.B.B.S. (Part-II) (Surgery)	Swami Shri Krishnanandji (Bhadran), Gold Plated Medal	09 PSMC	Ankita Nitin Bhatt
159.	M.B.B.S. (Part-II) (ObstetricS & gynecology )	Swami Shri Krishnanandji (Bhadran) , Gold Plated Medal	91 PSMC	Sataroopaa Bibekananda Mishra
160.	M.S. (General ) (Surgery)	Late Shri Dhirajlal Shivshanker Raval, Gold Medal	01 PSMC	Gaurav Shalya

**(6) PhD degrees awarded in 2012-2013**

No.	Faculty	Total
1.	Arts	27
2.	Science	39
3.	Engineering & Technology	05
4.	Business Studies	08
5.	Management	04
6.	Education	10
7.	Home Science	03
8.	Pharmaceutical Science	02
9.	Medicine & Surgery	00
<b>Total</b>		<b>98</b>

**7) 55<sup>th</sup> Annual convocation 24<sup>TH</sup> January 2013.**

No.	Faculty	In Person	In Absentia	Total	Faculty Wise Gold Madal
1.	Arts	2447	993	3440	23
2.	Science	2784	1248	4032	49
3.	Engineering & Technology	110	76	186	05
4.	Business Studies	1125	451	1576	05
5.	Management	627	545	1172	04
6.	Law	111	140	251	03
7.	Education	775	227	1002	09
8.	Home Science	187	36	223	06
9.	Homoeopathy	79	43	122	---
10.	Pharmaceutical Science	10	41	51	03
11.	Medicine & Surgery	80	187	267	21 (10 for 2010) (10 for 2011) (01MS Gen. Surgery)
<b>Total</b>		<b>8335</b>	<b>3987</b>	<b>12322</b>	<b>128</b>

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

**2.8 STUDENTS ACHIEVEMENTS IN 2012-2013**

Department Name	Students Achievements
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 2 <sup>nd</sup> 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 )
Mathematics	Manish Pandey UGC-CSIR-NET-JRF Asmabanu Rajavada UGC-CSIR-NET-JRF Paras Singhliya UGC-NET-L Niraj Babariya UGC-NET-L Pallav Shah GATE Manish Pandey GATE Rakshit Upadhyay GATE Krishna Patel GATE
Physics	NET Cleared by Ketan Amin during 2012
Business Studies	Three students have cleared NET Imran Pathan Nimesh Raval Anuj Bhatia
Library & Information Science	Kailash Tandel SLET June- 2012
	Pragnesh Parekh SLET December – 2012
	Hina Patel NET December - 2012
MSW (Social Work)	Students of Social Work Selected in Indian Parliament Program Organized by Pune Vidyapeeth and Ministry of Youth affairs.
	Mr. Mehul Rabari, Alumni and Faculty cleared the NET in 2012
	Mr. Mitra Gadhavi, stood first MIMCRI at Inter college Youth festivals organized by SPU
	Students of MHRM stood second in Dram at Inter college youth festivals organized by SPU
Gujarati	Cleared NET with JRF (1)Nitin Rathod (2) Jignesh Parmar (3) Mukesh Kalani (4) Priskila Parmar (5) Jignesh Thakkar (6) Jaimina Bhoi (7) Ghansyam Vaghri (8) Farhana Pathan
	Cleared NET (1) Neha Rami (2) Pravin Sodha Parmar (3) Bhavesh Vala (4) Geeta Solanki (5) Montu Patel
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 country to sanction ₹6 crore as an incentive for research under the Purse Programme. We were selected not on any proposal from our side that sought grants but on the basis of an independent assessment of the research performance of all the universities in India.

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

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

9	Foods and Nutrition, Food Biotechnology, Family Resource Management, Textile & Clothing and Human Development	Department of Home Science
10	Consumer Education and Research, Market Research	Department of Business Administration
11	Finance and Accounts, Entrepreneurship Development and Small Business, Marketing Management	Department of Business Studies
12	Literary Representation of Social Change in the Post-1970 Novels and Plays in Gujarati, Hindi and English Literatures; Contemporary English Literature; New Literatures; Contemporary Literary Theory and Criticism; American Literature; Applied Linguistics etc	Department of English
13	Narratology, Comparative Indian Literature, Myth and Motif Studies	Department of Gujarati
14	Functional Hindi, Dramatics and Dramaturgy, Theatre and Media Research	Department of Hindi
15	Purva Mimamsa, Nyaya Mimamsa, Alankara, Vedanta	Department of Sanskrit
16	Agriculture Economics, Rural Development, and Environmental Economics	Department of Economics
17	Indian Diaspora, Medical Sociology	Department of Sociology
18	Clinical Psychology, Industrial Psychology	Department of Psychology
19	History of Struggle for Independence, Modern History	Department of History
20	International Relations, Ethics and Morality in Politics	Department of Political Science
21	Philosophy of Education, Teaching-Learning Process, Cognition	Department of Education
22	Networking, Communication of Information	Department of Library and Information Science
23	Rural Development, Industrial Sociology	Department of Social Work

### **Consultancy Services**

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

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

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

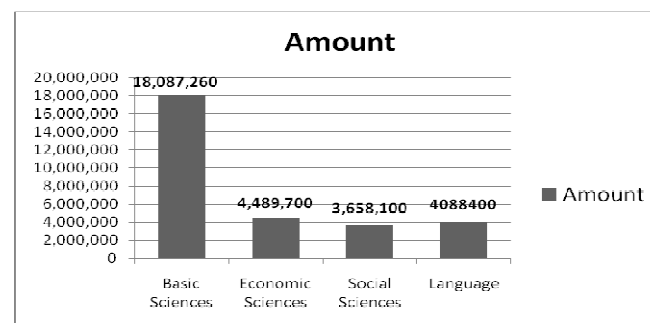
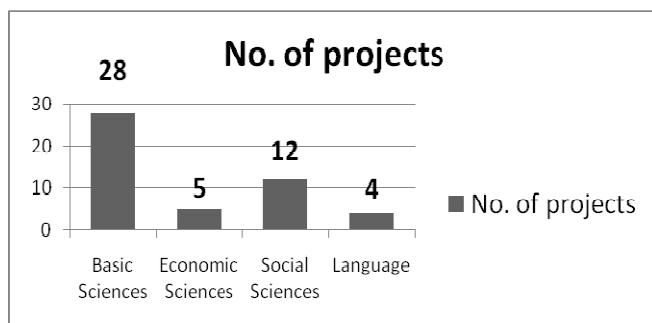
### Extension Services

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

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

### (1) New Research Projects of Postgraduate Departments

#### (I) An Overview



No.	Departments	No. of projects	Amount
1.	Basic Sciences	28	18087260.00
2.	Economic Sciences	05	4489700.00
3.	Social Sciences	12	3658100.00
4.	Languages	04	4088400.00

## (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

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

#### Departmentwise Details of The Projects Undertaken :

##### DEPARTMENT OF BIOSCIENCES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr. Datta Madamwar	Folding and stability of naturally truncated photosynthetic pigment, C-phycoerythrin from cyanobacteria <i>Phormidium tenue</i>	DST, New Delhi	₹ 3,60,000/- SR/SO/BB-0124/2010/B 13 <sup>th</sup> August, 2012	3 Years August 2012 To July 2016
	Molecular assessment of bacterial community structures of long term oil contaminated soil and screening of lipase producers for lipase production and their application in ester synthesis in organic solvents	UGC, New Delhi	₹ 13,80,000/- 42-167/2013(SR) 22 <sup>nd</sup> March, 2013	3 Years April 2013 to March 2016
Dr. J.S.S. Mohan	Evaluation of Physiological Effects of Headline 20% WG in corn ( <i>Zea mays</i> L.)	BASF India Pvt. Ltd.	₹ 1,98,000/- G/1-Bio/BASF/JSSM/2972 Date: 30/7/2012	April 2012 to March 2013
	Evaluation of Physiological Effects of Headline 20% WG in groundnut ( <i>Arachis hypogaea</i> L.)	BASF India Pvt. Ltd.	₹ 1,98,000/- G/1-Bio/BASF/JSSM/2971 Date: 30/7/2012	April 2012 to March 2013



Dr. Kiran Kalia	Association of Single Nucleotide polymorphisms with type 2 diabetes and diabetic Retinopathy in western Indian Population	UGC	₹ 13,75,800/- No.F.42-637/2013(SR) Dated 22-03-2013	Three years April 2013- March 2016
	One time grant", UGC-BSR Faculty Fellowships	UGC	₹ 7,00,000/-www.ugc.ac.in/pdfnews/8537203_Minutes-of-the-56th-meeting-of-EC.pdf	One year six months
Dr. R.B. Subramanian	An investigation on the effect of Headline 20% WG and cabrio top 60% WG on physiology and growth of <i>Gossypium hirsutum</i> under water stress	BASF	₹ 2,42,000/-	One year (June, 2013 – May 2014)
Dr. Sujata Bhatt	An investigation of fractality of some biological system and processes	Sardar Patel Universit Vallabh Vidya nagar	₹ 1,00,000/- No. G/DST Purse/ 12-13/1674 Dated 6-6-2012	One year, Up to 31 <sup>st</sup> March 2013
Dr. T.V. Raman Rao in collaboration with Dr. Anil Nandane of Dept. of Food Processing Technology, ADIT, New Vallabh Vidyanagar, Gujarat	Development and optimization of edible coating formulations to improve the postharvest quality and shelf-life of underutilized short lived fresh fruits by using RSM.	Department of Science and Technology (SERB-MOFPI) New Delhi	₹ 17,12,800/- SERB/MOFPI/0020/2012 DATE 05/09/2012	September 2012 – August 2014

#### DEPARTMENT OF CHEMISTRY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr. H.S.Patel	UGC- BSR One Time Grant	UGC New Delhi	₹ 7,00,000/- No.F. 18-1/2011(BSR), 19 <sup>th</sup> Aug.,2013	2012-2013
Dr. N. V. Sastry	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	UGC, New Delhi	₹ 8,64,300 /- F. No. 40-94/2011 (SR) dated 5 <sup>th</sup> July 2011	Three years

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 31 <sup>st</sup> December 2010	₹ 6,09,000 /-	Three years
Dr. Manish P. Patel	Studies of New Superabsorbent Nano Materials for Removal of Toxic metals and Dyes from Industrial Wastewater.	UGC, New Delhi	₹ 7,01,600/- F.No: 39-685/2010 (SR) dated 11-01-2011.	Feb-2011 to Jan-2014
Dr. S. S. SONI	Development of porous functionalized metal oxides and their application in metal ion removal	UGC, New Delhi	₹ 10,35,000/-	1 <sup>st</sup> July 2012 – 30 <sup>st</sup> 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

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr.(Ms)Basumati H.Patel	Synthesis and Characterization of pulsed laser deposited semiconductor thin films for nanosensor application	UGC, New Delhi	₹ 14,58,800/- letter No. E.No.41-594/2012(SR) Dated 17-07-2012	2012-2015
Dr.(Ms)Vibha S.Vaishnav	Interdisciplinary Research work on Development of Gas / Vapour Sensors using the Oxide Semiconductors with possible extended study of the response of Tin Metal to Mechanical and Electrical Stimuli	Sardar Patel University	₹ 1,00,000/- (i) No : G/No. DST Purse/1213/1674 Dt. 06/06/2012 (ii) No. : G-1 / Elect / DST Purse/7518 Dt. 11/02/2013	I year up to March 31, 2013
Dr.(Mrs)Shahera Patel	Design and Development of a Laboratory based Model of BGA Rework Station	SEED Grant - Sardar Patel University.	₹ 1,00,000/- (No.G/1-SEED GRANT/2012-13/3982 dated 10-9-2012	1 year

### DEPARTMENT OF MATERIALS SCIENCE

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

### DEPARTMENT OF PHYSICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof. U.H Patel, Dr Saurabh S. Soni	Synthesis & Single crystal X-ray Characterization of catalytically active Ionic Crystal	DST/PURSE/SPU	₹ 1,00,000/-	One year 2012-2013
Prof. M.P. Deshpande	Synthesis and characterization of V <sub>2</sub> - VI <sub>3</sub> compound in single crystal/nanomaterial/thin film forms	UGC, New Delhi	₹ 11,16,800/- Sanctioned letter F. No. 42-826/2013(SR) dated : 22 March 2013.	1/4/2013 to 31/3/2016.
Dr. N. K. Bhatt (P.I.)/ Prof. A. R. Jani (C.I.)	“Vibrational response and phase transition in certain non-simple metals and alloys covering wide range of densities ”	U.G.C., New Delhi	₹ 9,76,800/- Sanctioned: Rs. 6,82,800/- F. No. 42-771/2013(SR) 14 March, 13	03 Years

### DEPARTMENT OF PHARMACUTICAL SCIENCE

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

### DEPARTMENT OF STATISTICS

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

### (B) ECONOMIC SCIENCES

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

No.	Departments	No. of projects	Amount
1.	Business Studies	02	95000.00
2.	MBA	02	3994700.00
3.	Economics	01	400000.00
	<b>Total</b>	<b>05</b>	<b>4489700.00</b>

**DEPARTMENT OF BUSINESS STUDIES**

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

**DEPARTMENT OF BUSINESS ADMINISTRATION**

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

**DEPARTMENT OF ECONOMICS**

<b>Name of the Principal Investigator/ Co-investigator</b>	<b>Title</b>	<b>Funding Agency</b>	<b>Amount of Research Grant Sanctioned with Letter No. &amp; Date</b>	<b>Duration</b>
Dr.H.P.Trivedi, Dr.D.J. Chauhan Dr. Sonal Bhatt	Human Development in Panchmahal District	Govt. of Gujarat	₹ 4,00,000/-	8 Month

**(C) SOCIAL SCIENCES****New Research Projects Undertaken and Grants Received by the Teachers of Postgraduate Departments in Social Sciences & Languages in 2012-13**

No.	Departments	No. of projects	Amount
1.	Education	01	446500.00
2.	Hisotry	01	489500.00
3.	MSW (Social Work)	07	1920000.00
4.	Psychology	02	00.00
5.	Sociology	01	802100.00
<b>Total</b>		<b>12</b>	<b>3658100.00</b>

**DEPARTMENT OF EDUCATION**

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

**DEPARTMENT OF HISTORY**

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

**DEPARTMENT OF MSW (SOCIAL WORK)**

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr.S.D.Mishra	Sptial and Regression Anaylsis of Determinants of Deciling Juvenile Sex Ration in Gujrat	Seed Grant SPU VVN,	₹ 1,25,000/- G/1-Seed Grant/2012	1 year

	Mapping and Analysis of Good Governance practice in Gujarat : A study undertaken with reference to good governance contributes towards pro poor growth	University Grant Commission, New Delhi	₹ 2,50,000 /- F.1-222/2012(HRE)	1 year
Dr. Mrs. Bigi Thomas	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]	Sardar Patel University, Gujarat under Seeds Grant	₹ 1,00,000/- No.G/1-SEED GRANT/2012-2013/5402 dated 6/11/2012	1 year
Dr. S. Prabhakar	Stress among college students in Anand	SPU (Seed Grant)	Rs 45000/- No.G/1-SEED GRANT/2012-2013/5402 dated 6/11/2012	1 year
Mrs. Nisha Sangwan	Parent Child Relationship and Family Environment and its relation with achievement motivation	SPU (Seed Grant)	₹ 50,0000/- No.G/1-SEED GRANT/2012-2013/5406 dated 6/11/2012	1 year
Ms.Punam Singh	To study on the relationship between total quality management and quality performance in manufacturing sector	SPU (Seed Grant)	₹ 50,0000 No.G/1-SEED GRANT/2012-2013/5405 dated 6/11/2012	1 year
Mr. Mehul Rabari	A study of the Parents contribution in the holistic development of Mentally Challenged Children	SPU (Seed Grant)	₹ 40,0000/- No.G/1-SEED GRANT/2012-2013/5425 dated 6/11/2012	1 year

#### DEPARTMENT OF PSYCHOLOGY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr. Pankaj S Suvera.	Locus of control and Psychological well-being: A comparative study of Tribal and Non-Tribal College students	UGC	Letter No. F.No.6-84/2012(HRP) Date: 31 <sup>st</sup> August, 2012	18 <sup>th</sup> Month
Dr. S.N. Pathak.	Inter disciplinary variations in product preference in terms of product attribute rating.	Seed Money	Ref no.: G/1-Seed grant/2012-13/5416 dated: 05-06/11/2012.	12 months

## DEPARTMENT OF SOCIOLOGY

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

## (D) LANGUAGES

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

No.	Departments	No. of projects	Amount
1.	English	01	3050000.00
2.	Gujarati	03	1038400.00
<b>Total</b>		<b>04</b>	<b>4088400.00</b>

## DEPARTMENT OF ENGLISH

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr J H Khan and members of the faculty in the Department	Literary Representation of Social Change in Post-1970 Novels and Plays in Gujarati, Hindi and Indian English Literatures	UGC New Delhi	₹ 30,50,000 plus Actual of ₹.8,000 pa (increased by UGC subsequently to ₹.1400/- 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).	Five Years (2009 – 2014) 01 April 2009 to 31 March 2014

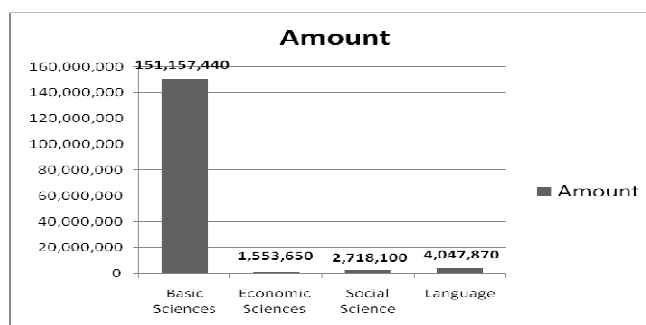
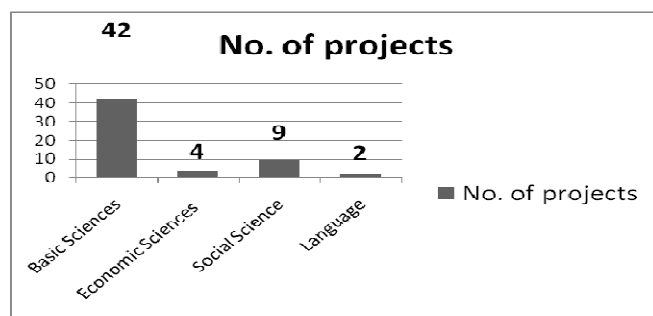


## DEPARTMENT OF GUJARATI

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

### (2) Ongoing Research Project of Postgraduate Departments

#### (I) An Overview



No.	Departments	No. of projects	Amount
1	Basic Science	42	151157,440.00
2	Economic Science	04	1553650.00
3.	Social Science	09	2718100.00
4.	Language	02	4047870.00

**(II) Departmentwise Ongoing Projects Details****(A) BASIC SCIENCES****Ongoing Reserch Projects Undertaken and Grants Received by the Teachers of Basic Sciences of Postgraduate Departments in 2012-13**

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

**DEPARTMENT OF BIOSCIENCES**

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
PI: Dr. Mrs. Amita R. Shah Co investigator: Prof. Datta Madamwar	Production of $\beta$ -xylosidase and accessory hemicellulolytic enzymes for effective bioconversion of plant lignocelluloses.	GSBTM Gandhinagar	₹ 19,60,800/- GSBTM/MD/PROJEDTS/SS A/454/2010-2011	Three Years
Prof. Datta Madamwar	Metagenome analysis for metabolic pathways present in activated biomass at common effluent treatment plant (CETP)	DBT New Delhi	₹ 61,32,000/- BT/PR 1724/BCE/08/719/2008 dated 19 <sup>th</sup> November, 2009	3 Years Six Months January 2010 to May 2012
	Molecular assessment of bacterial community structure of long term polluted sea coast near Alang ship breaking yard and exploitation of the bacterial wealth for PAH bioremediation	DST New Delhi	₹ 26,95,000/- SR/SO/PS-08/09/A dated 5 <sup>th</sup> July, 2011	3 Years Six Months August 2010 to January 2013
Prof. Datta Madamwar as Coordinator with Dr. R. B. Subramanian & Dr. Haresh Keharia	Molecular and '-omics' technologies to gauge microbial communities and bioremediation of xenobiotic contaminated sites.	DBT New Delhi	₹ 3,07,73,000/- No. BT/1/CEIB/09/V/05 dated 3 <sup>rd</sup> September, 2011	5 Years October 2010 to September 2015

Prof. Datta Madamwar	Application of periodic discontinuous batch operation to enhance treatment efficiency of dye containing waste-water	DBT New Delhi	₹ 51,02,000/- BT/PR- 11070/BCE/08/693/2008 Dated 17 <sup>th</sup> September, 2011	3 Years November 2010 to October 2013
Dr. Haresh Keharia Co-Investigator	DBT under CEIB programme. Co-ordinator is Prof. Datta Madamwar.	Characterization of Bacterial consortium 'PES' for treatment of dye containing wastewaters	---	5 years
Dr. J.S.S. Mohan	Induction of systemic acquired resistance to control blight and wilt in <i>Cuminum cyminum</i> L. by using <i>Alternaria burnsii</i> and <i>Fusarium oxysporum f. sp. cumini</i> derived elicitors.	UGC, New Delhi, INDIA	₹ 9,61,800/- F.No.39-430/2010 (SR) Date: 7 January 2011	February 2011 – January 2014
Dr. K.C. Patel	Girdlan and Lipase production using <i>Celhalomonas falanigena</i> UMP 3 and their application	UGC	₹ 7,57,800/-	2011-2014
	Production and character and a yellow antioxidant pigment from <i>Colletotrichum</i> SP. KCP 1	DBT	₹ 20,13,200/-	2011-2014
Dr. Kiran Kalia	Potential of marine bacterial isolates in arsenic Bioremediation	MoES New Delhi No Moes/11- MRDF/1/28/P/09- PCIII2010-13 dated 17/6/2010	₹ 21,33,090/-	Three years six months 2010- Dec 2013
	Role of SNPs And its association with oral cancer in western Indian Population	DST, new Delhi SR/WOS-A/LS- 511/2011 dated 24- 5-2012	₹ 18.40,000/-	Three years 2012-2015
Dr. M. Nataraj	Micropropagation of <i>Hyphaene dichotoma</i> - a rare and endemic palm.	UGC- New Delhi	₹. 8,52,600/- F.39-394/2010 (SR), dated 27-12-2010	3 Years
Dr. R.B. Subramanian	Molecular and “-omics” technologies to guage microbial communities and bioremediation of xenobiotic contaminated sites and plant-microbe interaction.	DBT	₹ 307.73 lacs 102/IFD/SAN/5776/2010- 2011 01-09-2010	Five Years (03-09-2010 to 2-08- 2015)

Dr. R.B. Subramanian	An investigation on the effect of Headline 20% WG and cabrio top 60% WG on physiology and growth of <i>Gossypium hirsutum</i> under water stress	BASF	₹ 2, 42,000	One year (June, 2013 – May 2014)
Dr. Sujata Bhatt	An investigation into the development of alternative carp feed using prebiotics, probiotics and fermentation.	University Grants Commission (UGC) New Delhi	₹ 6,69,800/- F.No. 39-659/2010 (SR) Dated 11-01-2011	For three years from 01-02-2011 to 31-01-2014
Dr. Ujjaval Tridevi	Microbial Synthesis and Purification of Chiral Hydroxyalkanoic acid.	CSIR	₹ 17,41,300/-	February, 2011 to 2014.
Dr. V.R. Thakkar	Characterization of natural resistance in <i>Arachis hypogaea</i> L. ... A. niger”	UGC	₹ 10,61,800/- S. letter No. F.NO. 39-247/2010 (SR)	April 2011 to March 2014

#### DEPARTMENT OF CHEMISTRY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr. H. S. Patel	Decolorization and removal of dyes from textile industries effluents”	UGC, Delhi	₹ 8,64,300/-; F. No. 39-328/2010(SR) 27 <sup>th</sup> Dec., 2010	Three years
Dr. M. N. Patel	Evolution of Metal Based Drugs as SOD Mimics and Artificial Metallonucleases	UGC, Delhi	₹ 10,67,800/-; F. No. 40-95/2011(SR) 5 <sup>th</sup> July, 2011	Three Years
Dr. N. J. Parmar	Synthesis of bioactive Polyheterocycles <i>via</i> Knoevenagel <i>hetero</i> -Diels–Alder reaction	UGC, New Delhi	₹ 7,38,800/- (No.F.:39-822/2010(SR)11.01.2011)	2011-2014 (three years)
Dr. Jignesh H. Trivedi (Co-Investigator)	Photo-Induced Synthesis, Characterization and Potential Applications of Sodium salt of Partially Carboxymethylated Sodium Alginate	UGC, New Delhi	₹ 11,22,500/- [F. No. 40-93/2011(SR) w.e.f. 1/7/2011]	2011-14
Dr. S. S. SONI	Influence of Micellar Morphology on Conductivity of Polymer Gel Electrolyte	UGC-DAE, Mumbai Centre	₹ 5,73,000/-	Three years from 31 <sup>st</sup> March 2012
Dr. K. R. Surati	“Highly efficient Phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs: Fabrication and it’s Application	DST(TSG)	₹ 25,92,555/- DST/TSG/PT/2011/194-G & 02/08/2013	2012-2015

## DEPARTMENT OF ELECTRONICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr.(Ms)Basumati H.Patel	Synthesis and Characterization of pulsed laser deposited semiconductor thin films for nanosensor application	UGC, New Delhi	₹ 14,58,800/- letter No. E.No.41-594/2012(SR) Dated 17-07-2012	2012-2015
Dr.(Ms)Vibha S.Vaishnav	Interdisciplinary Research work on Development of Gas/ Vapour Sensors using the Oxide Semiconductors with possible extended study of the response of Tin Metal to Mechanical and Electrical Stimuli	Sardar Patel University	₹ 1,00,000/- (i) No. G /1- Interdisciplinary /DST Purse 310 Dt. 04/04/2013 (ii) G/1- Interdisciplinary/ DST Purse program/4111	Extension of 06 months Up to 30/09/2013 Extension another six months upto 31-03-2014

## DEPARTMENT OF HOME SCIENCE

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

## DEPARTMENT OF MATERIALS SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof. L. M. Manocha	Centre of Advance Studies	UGC	₹ 106 Lakhs	2009-2014
	Stuies on Development & Characterisation of Nano-Structures incorporated carbon & SiC. based Composite	National Fusion Programme (IPR)	₹. 17.44 Lakhs	2010-2013
	Development of Ag based polymer matrix composites	UGC	₹ 8.58 Lakhs	2011-2014

R.H.Patel	Studies on flame retardant polymer coatings based on polyester-urethane epoxy resin systems	U.G.C	₹ 9,69,800/-	2011-2014
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### DEPARTMENT OF MATHEMATICS

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

### DEPARTMENT OF PHYSICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Prof. P. C. Vinodkumar	Study of strong and weak decay processes of mesons involving heavy flavor quarks	UGC	₹ 9,00,400/- F 40-457/2011(SR)	3yrs [1/7/11 to 31/06/14]
Prof. M. P. Deshpande	Raman Spectroscopy and Resistivity studies of semiconductors under pressure	DAE-BRNS	₹ 24,61,250/- Sanctioned letter No. 2010/34/39/BRNS with ATC, BRNS dated 06/01/2011	2010-2013
Prof. S. H. Chaki / Prof. M. P. Deshpande	Synthesis and characterization of Tin monosulphide thin films, nanoparticles and single crystals for optoelectronic devices	DAE-BRNS	₹ 24, 49, 000/- Sanctioned letter No. 2010/34/34/BRNS with ATC, BRNS dated 13/12/2010	2010-2013

Prof. G. K. Solanki	Studies on well characterized doped crystals of GeSe and SnSe for their applications in opto-electronic devices.	U.G.C., New Delhi	₹. 4,95,000/- No. : F. No. 39-523/2010 (SR) Date:07/01/2011	Three years 1 <sup>st</sup> March-2011 to 28 <sup>th</sup> February 2014
Prof. S. H.Chaki	Preparation and characterization of Cu <sub>x</sub> S (x= 1 to 2) in nanocrystalline thin films, nanoparticles and single crystal forms for optoelectronic devices	UGC, New Delhi	₹ 1085542/- F. 39-518/2010 (SR) dated 07 <sup>th</sup> January 2011	Three Years

#### DEPARTMENT OF PHARMASUTICAL SCIENCE

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

#### (B) ECONOMIC SCIENCES

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

No.	Departments	No. of projects	Amount
1.	MBA	03	1553650.00
2.	Economics	01	00.00
	<b>Total</b>	<b>04</b>	<b>1553650.00</b>

#### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Principal Investigator/Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr. Yogesh C. Joshi - Convener Dr. R.M. Rathod	District Human Development Report of Panchmahal District	Government of Gujarat	₹ 4,59,650	Commence from April 2011

Dr. Raju M. Rathod	Metrics Linking Marketing to Financial Performance: Comparative Study on Effectiveness of Public and Private Sectors Banks	UGC, New Delhi 5-382/2010(HRP) dated 23/02/2011	₹ 5,13,200/-	2 Years and 6 months Commence from 1/02/2011
Dr. Ashish C Mehta	Corporate Governance in Cement Industry – an indepth Study of Selected Cement Manufacturing Companies in India.	University Grants Commission	₹ 5,80,800/-,F.5-367/2010(HRP) dated 17/2/2011	2.5 yrs.

### DEPARTMENT OF ECONOMICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
All Faculty members	Human Development in Anand District	UGC, New Dellhi	CAS-I	2011-2016

### (C) SOCIAL SCIENCES

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

No.	Departments	No. of projects	Amount
1.	Education	01	446500.00
2.	Social Work (MSW)	08	2271600.00
	<b>Total</b>	<b>09</b>	<b>2718100.00</b>

### DEPARTMENT OF EDUCATION

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr. Pallavi P. Patel Prof. & Head	Development and Tryout of Emotional Intelligence Enhancement Programme for High School Students of Gujarat State.	U.G.C. New Delhi	₹ 4,46,500/- Vide letter F No.5-342/2012 (HRP) dated 3 <sup>rd</sup> Aug. 2012	2 Yrs.



**DEPARTMENT OF MSW (SOCIAL WORK)**

<b>Name of the Principal Investigator/ Co-investigator</b>	<b>Title</b>	<b>Funding Agency</b>	<b>Amount of Research Grant Sanctioned with Letter No. &amp; Date</b>	<b>Duration</b>
Dr.S.D.Mishra	Spatial and Regression Analysis of Determinants of Declining Juvenile Sex Ratio in Gujarat	Seed Grant SPU, VVNagar	₹ 1,25,000/- G/1-SEEDGRANT/2012	1 year
	Mapping and Analysis of Good Governance practice in Gujarat : A study undertaken with reference to good governance contributes towards pro poor growth	University Grant Commission, New Delhi	₹ 2,50,000/- F.1-222/2012(HRE)	1 year
Dr. Mrs. Bigi Thomas	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]	SPU, Gujarat under SEEDS Grant	₹ 1,00,000/- No.G/1-Seed Grant/2012- 2013/5402 dated 6/11/2012	1 year
	Impact of NREGA Scheme: A Study on the Overall Quality of Life of Its Beneficiaries. [A Study Undertaken among beneficiaries of 3 districts of Gujarat State	UGC, New Delhi	₹ 5,76,600/- F.No-5-56/2010(HRP) Dated 29/4/2013	1 year
Dr. S. Prabhakar	Stress among college students in Anand	SPU (Seed Grant)	₹ 45000/- No.G/1-Seed Grant/2012-2013/5402 dated 6/11/2012	1 year
Mrs. Nisha Sangwan	Parent Child Relationship and Family Environment and its relation with achievement motivation	SPU (Seed Grant)	₹ 50,0000/- No.G/1-Seed Grant/2012-2013/5406 dated 6/11/2012	1 year
Ms.Punam Singh	To study on the relationship between total quality management and quality performance in manufacturing sector	SPU (Seed Grant)	₹ 50,0000/- No.G/1-Seed Grant/2012-2013/5405 dated 6/11/2012	1 year
Mr. Mehul Rabari	A study of the Parents contribution in the holistic development of Mentally Challenged Children	SPU (Seed Grant)	₹. 40,0000/- No.G/1-Seed Grant/2012-2013/5425 dated 6/11/2012	1 year

**(D) LANGUAGES****Ongoing Reserch Projects Undertaken and Grants Received by the Teachers of Languages Postgraduate Departments in 2012-13**

No.	Departments	No. of projects	Amount
1.	English	01	3500000.00
2.	Gujarati	01	547870.00
	<b>Total</b>	<b>02</b>	<b>4047870.00</b>

**DEPARTMENT OF ENGLISH**

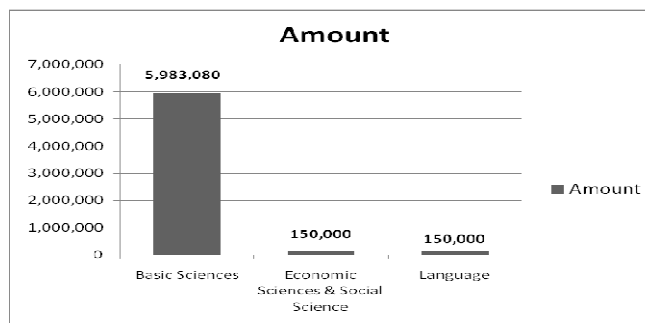
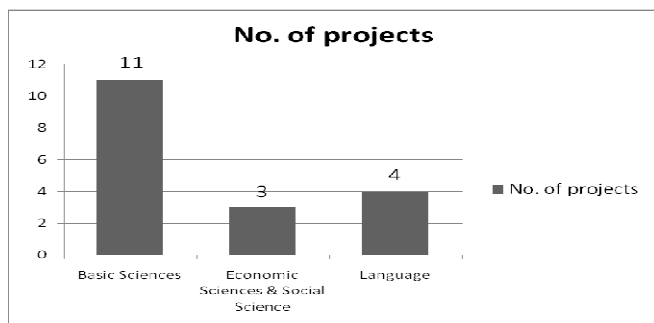
Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr J H Khan Coordinator	Literary Representation of Social Change	UGC, New Delhi	₹ 35,00,000/- approximately; No.F.5-102/2009 (SAP-III) dated 16 December 2009 SAP-DRS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

**DEPARTMENT OF GUJARATI**

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration
Dr.Pinakini D.Pandya	Cross culture study of Archetypes	U.G.C. New Delhi	₹ 5,47,870/-(F.5- 586/2010(SR)dated 18/5/2011	2 years

**(3) Research Projects Completed In Postgraduate Departments**

**(I) AN OVERVIEW**



No.	Departments	No. of projects	Amount
1.	Basic Science	11	5983080.00
2.	Economics Science & Social Science	3	150000.00
3.	Language	4	150000.00
		<b>18</b>	<b>6283080.00</b>

**(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**

No.	Departments	No. of projects	Amount
1.	Biosciences	05	2118500.00
2.	Chemistry	04	2943580.00
3.	Computer Science	01	821000.00
4.	Home Science	01	100000.00
	<b>Total</b>	<b>11</b>	<b>5983080.00</b>

## DEPARTMENT OF BIOSCIENCES

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration	Date of Completion
Dr. J.S.S. Mohan	Evaluation of Physiological Effects of Headline 20% WG in corn ( <i>Zea mays</i> L.) ( <i>Arachis hypogaea</i> L.)	BASF India Pvt. Ltd.	₹ 1,39,700/- G/1-S/8395 D. 29/03/2011	April 2011 – March 2012	31 <sup>st</sup> March, 2012
	Evaluation of Physiological Effects of Headline 20% WG in groundnut	BASF India Pvt. Ltd.	₹ 1,39,700/- G/1-S/8395 D. 29/03/2011	April 2011 – March 2012	31 <sup>st</sup> March, 2012
Dr. R.B. Subramanian	Effect of sequential applications of Headline 20% WG and Cabrio Top 60% WG on growth and physiology of <i>Gossypium hirsutum</i> (Cotton)	BASF Mumbai	₹1, 98,000/-	One year	May, 2012
	Screening and Identification of a SSR marker linked to resistance against <i>Fusarium</i> wilt in tomato.	UGC, New Delhi	₹ 8,63,300/- F. 37-523/2009(SR) 12-01-2010	Three Years (01-02-2010 to 31-03-2011)	2010-2013
Dr. T.V. Raman Rao	Histo-physiological analysis of melons at its different rates of ripening.	University Grant Commission (UGC), New Delhi	₹ 7, 77, 800/- F. 36-204/2008(SR), dated 26-03-2009	May 2009 - October 2012	October 2012

## DEPARTMENT OF CHEMISTRY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration	Date of Completion
Dr. H.S.Patel	UGC- BSR One Time Grant	UGC, Delhi	₹ 7, 00,000/-; No.F. 18-1/2011(BSR), 19 <sup>th</sup> Aug., 2013	One year	31/03/2013
D.K.Raval	Preparation of Functional Materials Using Polymeric Ionic Liquids	SPU Seed Grant	₹ 1,00,000/- INR G/1-Seed Grant/2011-12/4807 dated 17-10-2011	1 year	31-03-2013
Dr. S. S. Soni	Development of high efficiency low cost dye sensitized Solar Cells	DST, New Delhi	₹ 20,43,581/- (Ref. No. DST/TSG/PT/2008/23 dated 22 <sup>nd</sup> May 2009)	July 2009 – August 2012	---
Dr. K. R. Surati	“Synthesis and characterization of	Seed grant	₹ 1,00,000/- No. G/I-SEED	17/10/2011	16/10/2012

	phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs Application”		grant/2011-12/4801	to 16/10/2012	
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#### DEPARTMENT OF COMPUTER SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Latter No. & Date	Duration	Date of Completion
Priti Srinivas Sajja (PI)	Neuro-fuzzy decision support system for course selection	UGC File no 36- 302 /2008/SR	₹.8.21 Lakhs	1 <sup>st</sup> May 2009 to 30 April 2012	30 <sup>th</sup> April 2012

#### DEPARTMENT OF HOME SCIENCE

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Latter No. & Date	Duration	Date of Completion
Viraj Roghelia	Nutrients & Pesticide Residue Level Among Organically & Conventionally Grown Fruits & Vegetables.	Seed Grant Sardar Patel University,.	₹.1,00,000/- G/1-Seed Grant/2011- 12/4803 (Dated 17/10/11)	1 Year	31/1/2013

#### (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

No.	Departments	No. of projects	Amount
1.	Economics	01	125000.00
2.	Library and Information Science	01	25000.00
3.	Psychology	01	00.00
	<b>Total</b>	<b>03</b>	<b>150000.00</b>

### DEPARTMENT OF ECONOMICS

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration	Date of Completion
Sonal Bhatt	“Exploration of Factors Affecting Participatory Irrigation Management in Selected Water Users’ Associations of Gujarat”	University Grants Commission, New Delhi	1, 25,000/- vide letter no. 6-26/2010(HRP) dated January 18, 2011	18 months between February 1, 2011 and July 31, 2012	25/09/2012

### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

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

### DEPARTMENT OF PSYCHOLOGY

Name of the Principal Investigator/ Co-investigator	Title	Funding Agency	Amount of Research Grant Sanctioned with Letter No. & Date	Duration	Date of Completion
Pankaj S. Suvera	Emotional Maturity and Psychological Adjustment : A comparative study of Tribal and Non-Tribal College students	Seed Grant S. P. University	Letter No. G/1- Seedgrant/ 2011-2012	12 <sup>th</sup> Month	21 <sup>st</sup> December, 2012

### (C) LANGUAGE

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

No.	Departments	No. of projects	Amount
1.	English	01	25000.00
2.	Gujarati	02	125000.00
3.	Sanskrit	01	00.00
<b>Total</b>		<b>04</b>	<b>150000.00</b>

**DEPARTMENT OF ENGLISH**

<b>Name of the Principal Investigator/ Co-investigator</b>	<b>Title</b>	<b>Funding Agency</b>	<b>Amount of Research Grant Sanctioned with Letter No. &amp; Date</b>	<b>Duration</b>	<b>Date of Completion</b>
Dr P J Dave	Michael Ondaatje as a Postmodernist and Diasporic Writer	SPU	Seed Grant of Rs.25,000/ from Seed Money set aside by Sardar Patel University	01 year	30 March 2013

**DEPARTMENT OF GUJARATI**

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

**DEPARTMENT OF SANSKRIT**

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

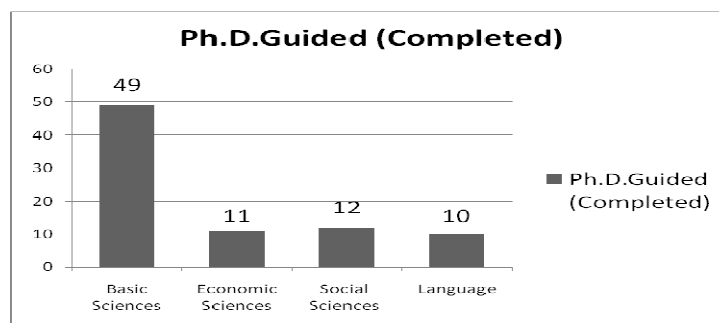
#### (4) PhD PROGRAMME

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

##### (I) OVERVIEW



No.	Departments	PhD Guided(Completed)
1.	Basic Sciences	49
2.	Economic Sciences	11
3.	Social Sciences	12
4.	Languages	10



**(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**

No.	Departments	PhD Guided (Completed)
1.	Bioscience	21
2.	Chemistry	15
3.	Computer Science	05
4.	Home Science	02
5.	Materials Science	02
6.	Physics	04
<b>Total</b>		<b>49</b>

**DEPARTMENT OF BIOSCIENCES**

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr. A.V.R.L.N. Acharaya	1-11-2012	Ms. Rupal A Vasant	An investigation on the alternative remedial measures to ameliorate fluoride toxicity	Full Time
	--	Mrs. Hetal Movaliya	An investigation on the cellular and molecular mechanisms of reptilian growth and regeneration	Full Time
	--	Mr. Shyam D. Khandedia	Reptilian cell and tissue specific responses in growth and regeneration	Full Time
	--	Mr. Sanjay S. Karn	An investigation on the effects of dietary intervention in fluoride toxicity	Full Time
	--	Miss Krutika L. Bhole	Studies on the ACE inhibitory and antioxidant potential of seasonal fruits	Full Time
Dr. Amita Shah	25-09- 2007	Madhuri Narra	Microbial production, characterization and applications of cellulases	Part time
	29-09- 2007	Sneha Trivedi	Microbial production of inulinases and its applications	Part time
	05-03-2008	Kunal R. Jain	Exploration of novel genes for restoration of environmental sites contaminated with noxious pollutants: A metagenomic approach	Full time

	05-03-2008	Tripti Raghvendra	Synthesis of commercially important food esters using microbial lipases in organic media	---
	11-10-2011	Harshvadan D. Patel	Microbial production of hemicellulolytic enzymes for bioconversion of plant lignocelluloses and their application	Full Time
	12-09-2012	Avinash Narayan	Molecular analysis to access microbial diversity of ran of kachchh	Full Time
Dr. Datta Madamwar	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	Part Time
Dr. Haresh Keharia	--	Shilpa Gupte	Bioremediation of Textile Dyes	Part Time
Dr. J.S.S. Mohan	20 <sup>th</sup> August 2012	Purvesh B. Bharvad	<i>In vitro</i> propagation, phytochemical analysis and antidiabetic properties of a rare medicinal herb: <i>Schweinfurthia papilionacea</i> A. Br.	Full Time
Dr. K.C. Patel	20-08-2012	Shraddha D. Tridevi	Biochemical and Molecular evaluation of Caster bean ( <i>Ricinus Communis</i> L.) breeding lines against fusarium wilt	Full time
Dr. K.S. Rao	27-06-12	Pramod S	Structural, histochemical and biochemical studies on xylem cell wall in <i>Leucaena leucocephala</i> (Lam.) De Wit	Full Time
	29-08-13	Vinay R. Patel	Seasonal variations in the cambial anatomy and xylogenesis in some tropical tree species	Full Time
Dr. R.B. Subramanian	28/01/2013	Ms. Suchita Patel	An investigation on genetics of resistance in selected Tomato cultivars against early blight caused by <i>Alternaria solani</i>	Full Time
	25/07/13	Mr. Bhaumik Dave	Biochemical properties of native, recombinant and genetically modified cellulase from microorganisms	Full time
Dr. Sujata Bhatt	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”	Full Time

Dr. V.R. Thakkar	21 January 2013	Mr. Harsurbhai Manglubhai Jajda	“Investigation of Molecular Mechanism of Tikka Disease Caused By Hemibiotroph, Cercospora species and Collar Rot Caused by Necrotrophs, <i>Aspergillus niger</i> in <i>Archis hypogaeae</i> L.	Full time
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### DEPARTMENT OF CHEMISTRY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr. H. S. Patel	Dec-2012	Visha P. Modi	Synthesis of novel heterocyclic compounds	Full Time
	Dec.-2012	Khyati D. Patel	Studies on co- ordination polymers based on novel bis –ligands	Full Time
	Feb-2013	Paresh N. Patel	Synthesis of novel heterocyclic compounds based on THTPs and their biological activities	Full Time
Dr. D. I. Brahmabhatt	20-08-2012	Mr. Patel Chiragbhai V.	Synthesis and antimicrobial activity study of nitrogen containing heterocyclic substituted and heterocyclic fused coumarin derivatives	Full Time
	24-09-2012	Mr. Bhila Varun G.	Studies on synthesis and antimicrobial efficiency of pyridine and pyrazole substituted/fused coumarin derivatives	Full Time
	04-03-2013	Mrs. Lad Hemali B.	Synthesis, characterization and anti-microbial screening of some coumarin derivatives containing modified pyridine and pyrazole moieties	Full Time
Dr. N. V. Sastry	March 2012	Nilesh R Vaghela	Surfactant like ionic liquids – synthesis and studies on surfacechemical and aggregation behavior in aqueous media	Full Time
	April 2012	Amitkumar Thummar	Investigations on micropstructural features of amphiphilic copolymer – hydrocarbon surfactants and their applications as drug release and metal extraction systems	Full Time
Dr. M. N. Patel	5 <sup>th</sup> April 2012	Promise Abhaykumar Dosi	Synthesis, characterization, in- vitro antimicrobial and dna interaction studies of some novel coordination compounds of copper(ii) and palladium(ii)	Full time

	15 <sup>th</sup> December 2012	Bhupesh Shantilal Bhatt	Synthesis, characterization and evaluation of gold(iii) and ciprofloxacin based copper(ii) complexes as antibacterial,metallonucleases and cytotoxic agents	Full time
Dr. N. J. Parmar	08.08.2012	Shashikant Bhikhubhai Teraiya	Tetrabutylammonium hydrogen sulfate mediated domino reaction: synthesis and biological studies of some pyrano-, and chromeno-fused heterocycles.	Full Time
	21.02.2013	Rikinkumar Ashvinkumar Patel	Improved protocols for domino reaction: synthesis and biological studies of some novel pyran-annulated heterocycles.	Full Time
	27.11.2009	Bhaves Rranchhodhai Pansuriya	Synthesis of some heterocycles of biological interest <i>via</i> azomethine ylide and oxabutadiene intermediates. ( Thesis submitted, on 29.07.2013)	Full Time
	27.11.2009	Hitesh Ajabhai Barad	Efficient synthesis and biological screening of some benzodiazepinones and pyrano—fused heterocycles. ( Thesis submitted, on 12.08.2013)	Full Time
Dr. K. H. Patel	June 2013	Kinnari Bharatbhai Trivedi	Studies in graft copolymers from renewable resources	Full time

#### DEPARTMENT OF COMPUTER SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof. P V Virparia	24-08-2012	Mr. Himanshu Patel	Automatic Text Conversion of Continuous Speech for Indian Languages	Part Time
	29-08-2012	Mr. Atul Patel	Development of Protocols and Algorithms to Secure Integration of Adhoc Network and Wired Network	Part Time
Prof. D B Choksi	29-10-2012	Narayan Arvindkumar Joshi	Development of Algorithms for Optimized Process Migration for Load-Balancing in Distributed Systems	Part Time
Prof. Priti Srinivas Sajja	18- 02- 2013	Ms. Vishal Dahiya	Graphics rendering through human perception	Part Time

	22 -03- 2013	Mr. Jiggar A Trivedi	Design of neuro-fuzzy advisory system using type-2 fuzzy logic	Full Time
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#### DEPARTMENT OF HOME SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
DR.V.H.Patel	--	Ms.Viraj Roghelia	A Comparative Study On Consumer Perception, Sensory Attributes, Nutrients & Pesticide Residue Level Among Organic Foods & Conventional Foods.	Part Time (Synopsis Submitted)
	--	Ms.Anjali Bhatt	Evaluation Of Actual Antioxidant Intake Of Traditional Indian Diet With The Help Of In Vitro Gastrointestinal Model.	Full Time (Synopsis Submitted)

#### DEPARTMENT OF MATERIALS SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof .(Mrs.) S. Manocha	April-2012	Hemang I Patel	Studies on development of Light weight Porous Bio-Morphic Silicon Carbide Ceramic From Pine Wood	Full Time
Prof. L. M. Manocha	--	Vishal S. Makadia	Impact of Nanomaterials on Structure and Properties of Carbon Matrix Composites	Full time

#### DEPARTMENT OF PHYSICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof. M. P. Deshpande	January 2013	Miss Bindiya. H. Soni	Preparation, characterization of ZnO and Mn doped ZnO nanostructures.	Full Time
Prof. B. Y. Thakore	29/05/2012	Mr. Shyam. Khambholja	Study of certain physical properties of technologically important materials using Pseudopotentials and density functional Theory	Full Time

	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	29 <sup>th</sup> October, 2012	Mr.Sandip R. Unadkat	Growth and characterization of mixed germanium sulphoselenide (GeS <sub>x</sub> Se <sub>1-x</sub> ) 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

No.	Departments	PhD Guided (Completed)
1.	Business Studies	07
2.	MBA	01
3.	Economics	03
<b>Total</b>		<b>11</b>

### DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr. P. K. Rathod	---	Divyesh Vyas	An in-depth study on Financial Analysis of Glassline Vessels and its Allied Industry in India.	Part Time
Dr. S.K.Bhatt	April- 2012	Gaurang C. Barot	A Comparative Study of Selected micro-finance institutions in Gujarat.	Part Time
	April- 2012	Mahesh .R. Prajapati	Accounting Practices in -Business: A Study of Wholesalers and Retailers in Gujarat.	Part Time
	June- 2012	Gautam .V. Mistry	The Impact of Dividend Policy on Shareholder's Wealth of selected Major Pharmaceutical Units in India.	Part Time
	November - 2012	Raghavbhai .M. Patel	Policies and Practices of Fund Management of District Co-operative Banks (DCCBS) for Uplifting rural areas of Gujarat.	Part Time
Dr. C. K.Sonara	January 2013	Chinmayee J. Bhatt	An analytical study of financial performance of selected nationalized banks in India.	Part Time

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
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#### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

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

#### DEPARTMENT OF ECONOMICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Dr. H.P. Trivedi	---	J. R. Mehta	A study of expenditure of Veer Narmad South Gujarat University	Part Time
	01/09/2012	Ms. Waheedun Nisa Sheikh	A Study of Export performance of Indian Agriculture in the Reform Era	Part Time
	Submitted Dissertation. Viva Voce awaited.	Bhanubhai D. Parmar	A study of Vishrampura Milk Co-operative Society (Some Economic Aspects)	Part Time

#### (C) SOCIAL SCIENCES

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

No.	Departments	PhD Guided (Completed)
1.	Education	02
2.	History	01
3.	Library and Information Science	01
4.	Sociology	08
<b>Total</b>		<b>12</b>

**DEPARTMENT OF EDUCATION**

<b>Name of the Teacher</b>	<b>Date of the Award of the Degree</b>	<b>Name of the Student</b>	<b>Title of the Thesis</b>	<b>Full Time/ Part Time</b>
Dr. Pallavi P. Patel	18/7/2012	Mr. Sandeep Lad	Construction and Standardzation of critical Thinking Test for secondary school students of Gujarat State	Part time
	26/6/2012	Mr. Sak Inpirud	A study of attitude towards life of secondary school students in relation to their participation in Physical Education activities.	Part Time

**DEPARTMENT OF HISTORY**

<b>Name of the Teacher</b>	<b>Date of the Award of the Degree</b>	<b>Name of the Student</b>	<b>Title of the Thesis</b>	<b>Full Time/ Part Time</b>
Prof. Jigish M. Pandya	22/08/2012	Bhavna R. Prajapati	Anand Nagarpalika no Etihasik Abhyas” (1947 to 1997)	Full Time

**DEPARTMENT OF LIBRARY & INFORMATION SCIENCE**

<b>Name of the Teacher</b>	<b>Date of the Award of the Degree</b>	<b>Name of the student</b>	<b>Title of the Thesis</b>	<b>Full Time/ Part Time</b>
Prof. U. A. Thaker	2012-13	Ms. Bhartiben Solanki	Collection Development in Agriculture University Libraries in Gujarat.	Part Time

**DEPARTMENT OF SOCIOLOGY**

<b>Name of the Teacher</b>	<b>Date of the Award of the Degree</b>	<b>Name of the Student</b>	<b>Title of the Thesis</b>	<b>Full Time/ Part Time</b>
Dr.J.M. Trivedi	24-01-2013	Anil Nakum	A sociological study of tribal widows	Part Time
	24-01-2013	Nikunj Patel	A sociological study of victims of post-godhra riots	Part Time
	24-01-2013	Barad Hamir L	A sociological study of formers living in madi-vasava	Part Time
Dr. R.M. Makwana	May-12	Babubhai Kathiya	A sociological study of Maachhi community with special refrence to Kachchh	Part Time
Dr. I.M.Macwan	2013	Sonal n rana	Feale feticides – a sociological study	Part Time



	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

No.	Departments	PhD Guided (Completed)
1.	English	01
2.	Gujarati	02
3.	Hindi	05
4.	Sanskrit	02
<b>Total</b>		<b>10</b>

#### 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 Dhavta Gujrati 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

	--	Jitendra Vanzara	Mohan Rakesh Ke Natakon Mein Adhunikta	Part Time
Dr. D.S. Tripathi	March-2013	Narendra Rathur	Bhakti Andolan Aur Meera Ka Kavya : Ek Adhyayan	Part Time
Dr. M.M. Sharma	25-07-2013	Anubha P Negi	Soorkavya Main Balmanovigyan	Part Time
	01-03-2013	Jayendra M. Mahida	Sushilkumar Singh Ke Natak	Part Time

### DEPARTMENT OF SANSKRIT

Name of the Teacher	Date of The Award of the Degree	Name of the Student	Title of the Thesis	Full Time/ Part Time
Prof. Dr. Niranjan P. Patel	2012	Khushbu Pancholi	Dharmaraj Adhvarendu Pranit Vedant Paribhasha: Ek Adhyayan	Part Time
	2013	Divya D. Patel	Chitsukhacharya Pranit Tatva Pradipika nu Vivechanatmak Adhyayan: Dwitiy Parichhed na Sandarbhama	Part Time

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

#### (A) BASIC SCIENCES

#### PhD Students Working Under the Teachers of the Department at Present

No.	Department	PhD Students (Pursuing)
1.	Biosciences	52
2.	Chemistry	53
3.	Computer Science	26
4.	Electronics	03
5.	Home Science	10
6.	Material Science	18
7.	Mathematics	24
8.	Physics	36
<b>Total</b>		<b>222</b>

**(B) ECONOMIC SCIENCES****PhD Students Working Under the Teachers of the Department at Present**

<b>No.</b>	<b>Department</b>	<b>PhD Students (Pursuing)</b>
1.	Business Studies	41
2.	Business Administration (MBA)	20
3.	Economics	16
	<b>Total</b>	<b>77</b>

**(C) SOCIAL SCIENCES****PhD Students Working Under the Teachers of the Department at Present**

<b>No.</b>	<b>Department</b>	<b>PhD Students (Pursuing)</b>
1.	Education	07
2.	History	07
3.	Library and Information Science	13
4.	Social Work (MSW)	06
5.	Political Science	07
6.	Psychology	05
7.	Sociology	08
	<b>Total</b>	<b>53</b>

**(D) LANGUAGES****PhD Students Working Under the Teachers of the Department at Present**

<b>No.</b>	<b>Department</b>	<b>PhD Students (Pursuing)</b>
1.	English	24
2.	Gujarati	28
3.	Hindi	25
4.	Sanskrit	06
	<b>Total</b>	<b>83</b>

## (5) MPhil PROGRAMME

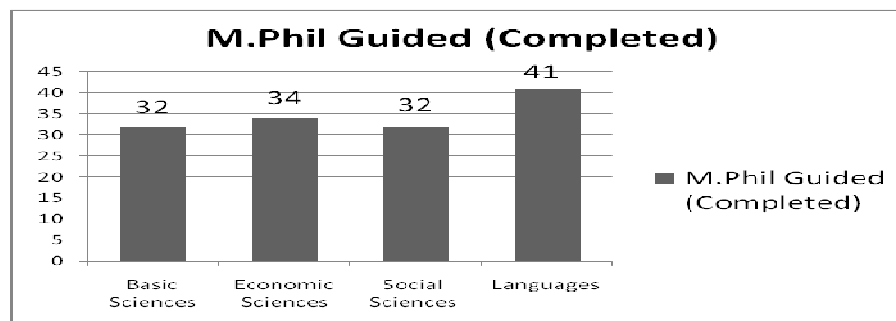
The MPhil Programme is also run in some of our Departments. We tend to take our one-year MPhil Programme as a pre-PhD Programme, wherein we train our students in the fundamentals of research including research methodology and help him/her in enhancing his/her scholastic level necessary for completing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

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

### (1) MPhil Students Guided

#### (I) OVERVIEW

#### MPhil Students Guided in the Postgraduate Departments



No.	Departments	MPhil Guided
1.	Basic Sciences	32
2.	Economic Sciences	34
3.	Social Sciences	32
4.	Languages	41

(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

No.	Department	MPhil Guided
1.	Biosciences	11
2.	Home Science	07
3.	Mathematics	10
4.	Physics	04
	<b>Total</b>	<b>32</b>

DEPARTMENT OF BIOSCIENCES

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr. Amita Shah	--	Gayatri Yadav	Pretreatment and enzymatic saccharification of cotton stalk
	--	Himanshu Mali	Production of mananase by <i>Aspergillus</i> sp. ADH-11 and its characterization
	--	Sampada Deshpande	Enzymatic saccharification of alkali pretreated maize stover by microbial cellulases and xylanases
Dr. Datta Madamwar	30 <sup>th</sup> April 2013	Ms. Anjana Suppahia	Molecular assessment of bacterial community structure from polluted marine ecosystem
	30 <sup>th</sup> April 2013	Ms. Ankita Raj	Decolourization and biodegradation of wastewater from CETP, Vatva using bacterial consortium ZS2A and floating macrophyte <i>Azolla pinnata</i>
	30 <sup>th</sup> April 2013	Ms. Anushka Sharma	Bioremediation of wastewater containing azo dyes through sequential anoxic-oxic bioreactor syste,
	30 <sup>th</sup> April 2013	Ms. Archana Tripathi	Microbial community structure analysis of long term polluted Amlakhadi canal, Ankleshwar, Gujarat
	30 <sup>th</sup> April 2013	Ms. Ekta Patel	Purification and characterization of phycoerythrin and phycocyanin from cyanobacterium <i>Lynybya</i> A09DM.
	30 <sup>th</sup> April 2013	Ms. Jalpa Gohel	Sequential batch bioreactor for treatment of simulated textile effluent using bacterial consortium A2
	30 <sup>th</sup> April 2013	Mr. Jay Modi	Microbial community structure analysis of saline desert: A Rann of Kuchchh

	30 <sup>th</sup> April 2013	Ms. Shruti Nambiar	Optimization and partial purification of organic solvent lipase from <i>Pseudomonas stutzeri</i> VR46 and its application for pentyl valerate synthesis
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### DEPARTMENT OF HOME SCIENCE

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

### DEPARTMENT OF MATHEMATICS

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

D.J. Karia	2012	Nilesh Sonara	Locally multiplicatively convex Banach Algebras
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### DEPARTMENT OF PHYSICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof. V. M. Pathak	December, 2012	Ms.Sandhya P. Shukla	Investigations of MoSe <sub>2</sub> / Polypyrrolle heterostructure solar cells.
	December, 2012	Ms. Kanan D. Patel	Optical properties of some group II-VI chalcogenides.
Prof. M. P. Deshpande	November 2012, M.Phil.	Miss Kamakshi .R. Patel	Synthesis,characterization and application of silver nanoparticles .
Prof. S. H. Chaki	07/03/2013	Ms. Tasmirabanu J. Malek	Synthesis and Characterization of Fe <sub>3</sub> O <sub>4</sub> nanoparticles.

### (B) ECONOMICS SCIENCES

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

No.	Department	MPhil Guided
1.	Business Studies	25
2.	MBA	04
3.	Economics	05
<b>Total</b>		<b>34</b>

### DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr. P. K. Rathod	30/08/2012	Pratik I. Prajapati	Profitability Analysis of Selected Engineering Units Located in GIDC, Vithal Udyognagar, Gujarat
	30/08/2012	Mansi R. Rana	An Analysis of Dividend Policy of Selected Pharmaceutical Companies in India
	30/08/2012	Hina N. Pateliya	An Analysis of Capital Structure of Selected Engineering Companies in Vithal Udyognagar
	30/08/2012	Gayatri U. Patel	A Comparative Study on Profitability Analysis of Hindustan Petroleum Corporation Limited and Oil and Natural Gas Corporation Limited

	30/08/2012	Sadhana Bhanderi	A Comparative Study on Corporate Governance Disclosure Practices in State Bank of India and Bank of India
Dr. S. K. Bhatt	30/08/2012	Avani Soni	“A Comparative Study of Financial Performance of Bandhan & Baxis Microfinance Companies.”
	30/08/2012	Jalpa S. Shah	“An Investors Protection in India: A Study of Contemporary Cases”
	30/08/2012	Mehul R. Patel	“Corporate Governance Reporting Practices of Selected Electronics Companies in India – A Comparative Study”
	30/08/2012	Panna U. Chauhan	“A Comparative Study of the Financial Performance of Selected Pharmaceutical Companies in India”
	30/08/2012	Samirodin M. Kazi	“A Study on Role of Asian Development Bank (ADB) in International Financial Management.”
Dr. C. K. Sonara	30/08/2012	Brijesh H Valand	A Comparitive Study Of The Financial Performance Of Tvs Motor Company Limited And Bajaj Auto Company Limited.
	30/08/2012	Sangita Sharma	An Empirical Study Of The Financial Performance Of Amul Dairy And Panchamrut Dairy.
	30/08/2012	Pritesh Panchal	A Probe Study Of Working Capital Management Of The Rolcon Enginnering Company V.V.Nagar.
	30/08/2012	Jalpesh Patel	An Analytical Study Of Financial Performance Of Mehsana Urban Co-Operative Bank Limited, Mehsana And Anand Merchantile Co-Operative Bank Limited, Anand.
	30/08/2012	Minal Patel	An Analytical Study Of Financial Performance Of Sugam Dairy, Baroda And Sumul Dairy, Surat.
Dr. P. R. Sheth	30/08/2012	Dharti M. Chauhan	In Depth Study of Capital Structure of Selected Cement Companies
	30/08/2012	Jaydutt G. Purohit	Financial Performance of Selected Retail Entertainment Companies
	30/08/2012	Mittal R. Dave	Financial Analysis of Selected Private Sector Insurance Companies
	30/08/2012	Ritesh V. Patel	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



	30/08/2012	Sunil B. Trivedi	Segment Reporting Practices of Selected FMCG Companies in India – A Comparative Study
Dr.Y.M.Dalwadi	30/08/2012	Himanshu J Patel	Long Term Performance of Initial Public Offering: A Study of Selected Companies' IPO
	30/08/2012	Krinjal Shah	Role of SEBI in Investors' Protection: a Study of Selected Teachers and Students Perception
	30/08/2012	Neha H Shah	Non-performing Assets Management of Selected co-Operative Banks of Gujarat
	30/08/2012	Roshni Patel	Measurement of Financial Health Using Z-Score: a Study of Selected Companies in India
	30/08/2012	Usha Luhana	An Analytical Study of Impact of Foreign Institutional Investment on Stock Market Index

#### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr.R.M. Rathod	April – 2012	Nidhi Patel	A Study on Balance Score Card Experience of Some Selected Companies.
	April – 2012	Mukesh Tagariya	A Study on Financial Performance of Some Selected Public Sector Unit
	April – 2012	Archana Patel	Consumer Behavior Study with Reference to Rural Selected Areas
	April - 2012	Ritesh Chaudhari	A comparative Study on Financial Performance of SBU's of Tata Group

#### DEPARTMENT OF ECONOMICS

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
N.M. Patel	16/6/2012	Mahida Hemintalbhai Manubhai	An awareness of beneficiaries for selected developing programs of rural development in present time: A study with reference of Bhetasy village
N.M. Patel	Sept ,2012	Rohit Pratikkumar G.	An awareness of beneficiaries for selected developing programmes of rural development in present time: A study with reference of Rahtalav village.

Devraj Ganvit	8/2/2013	Miss. Tinuben N Jani	An Awareness Of Beneficiaries For Selected Developing Programmes Of Rural Development In Presenttime: A Study With Reference Of Samarkha Village
Sonal Bhatt	June 5, 2012	Nikul Parekh	Swajaldhara Yojana antargat Peevana Paanini Suvidha: Anand Jillana Vahera Gaamno ek abhyaas
Sonal Bhatt	March 6, 2013	Swati Kadia	Gramin Vikas Yojnao vishe laabhaarthioma pravartati jagruti: Dahod Jillana Devgadha Baria talukana Mendra Gamna sandarbhe ek abhyas

### (C) SOCIAL SCIENCES

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

No.	Department	MPhil Guided (Completed)
1.	Library & Information Science	05
2.	Social Work (MSW)	06
3.	Political Science	05
4.	Psychology	07
5.	Sociology	09
	<b>Total</b>	<b>32</b>

### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof. U. A. Thaker	2012-13	Hetal Patel	Use of e-Resources among Parul Institute
	2012-13	Nisha Maharaj	Networking of College Libraries affiliated to SKV Kutch University
	2012-13	Rajiv Patel	Subject Gateway for ISTAR Students
	2012-13	Vatsal Tandel	Digital Repository Management of Plasma Research Library
	2012-13	Vaishali Chauhan	Use of e-Resources at CHRUSET, Changa

**DEPARTMENT OF MSW (SOCIAL WORK)**

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

**DEPARTMENT OF POLITICAL SCIENCE**

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

## DEPARTMENT OF PSYCHOLOGY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof. S.J.Patel	June 2012-13	Rinku K. Marvadi.	વ્યાવસાયકરતીસ્ત્રીઓનું લગ્નજીવન સમાંયોજન અને જીવનસંતોષનો અભ્યાસ
Prof. L.R.Yagnik	June 2012-13	Hiral Y. Suthar.	A Study Of Self-Concept, Adjustment And Academic Achievement of Std-10 <sup>th</sup> And Std-12 <sup>th</sup> Students.
	June 2012-13	Nikita S. Sonara.	A Study of Emotional Maturity And Religiousness Among Students.
Dr.S.N.Pathak	June 2012-13	Ankur N. Mahida.	A Study of Correlation Between Happiness And Indian Personality Dimensions.
	June 2012-13	Bhagvati J. Tadvi.	ઉચ્ચતરમાધ્યમિકશાળામાં અભ્યાસકરતાવિદ્યાર્થીઓ અને વિદ્યાર્થીનીઓની શૈક્ષણિકસિદ્ધિનો આવેગિક પરિપક્વતા અને સમાયોજનના સંદર્ભમાં અભ્યાસ
Dr. S.M.Makvana	June 2012-13	Alpesh B. Kotar.	A Comparative Study of Psychological Well Being And Exam Anxiety Among Rural And Urban College Students.
	June 2012-13	Pratik R. Prajapati.	A Comparative Study Of Depression And Sexual Satisfaction Among Employees of Panchmahal And Anand Districts.

## DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr.J.M. Trivedi	24-01-2013	Varsh Purohit	A sociological study of unmarried muslim girls
	24-01-2013	Ramesh Parmar	Impact of watershed scheme in Gujarat
	24-01-2013	Ishawar Sutaria	Sociological study of beneficiaries of family planning programme in Bhavnagar
Dr.P.M. Pamar	--	Jitendrakumar B Chauhan	A sociological study of ST youth working in Kakarpar Nuclear plant
	--	Ganeshbhai D Chaudhari	A sociological study of the ST relation with forest
Dr. I.M.Macwan	2012	Manjri M Nayak	Modernization of tribal women

	2012	Lipa V Shah	An opinion of youth for selecting life partner – a comparative study
	2012	Hansa B Khristi	Unmarried women – anew social pattern in contemporary era
	2012	Navnit K Parmar	Bachelor- a sociological study

#### (D) LANGUAGES

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

No.	Department	MPhil Guided
1.	English	11
2.	Gujarati	13
3.	Hindi	16
4.	Sanskrit	01
	<b>Total</b>	<b>41</b>

#### DEPARTMENT OF ENGLISH

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

	--	Ms Parvin Rahematkhan Sodagar	Critical Analysis of O. Chandumenon's <i>Indulekha</i> in the Context of Kalidasa's <i>Abhigyan Shakuntalam</i>
	--	Ms Shagufta Harifmiya Thakor	Realism in Rohinton Mistry's <i>A Fine Balance</i> and <i>Such a Long Journey</i>
	--	Ms Shilpi Shri RS Srivastava	Human Degradation: A Thematic Analysis on the Novels of Kamala Markandeya's <i>Some Inner Fury</i>
	--	Ms Sonal Vijaykumar Agarwal	Comparative Study between Chitra Banerjee Devakaruni's <i>The Mistress of Spices</i> and Paul Mayeda Berges's <i>The Mistress of Spices</i>

### DEPARTMENT OF GUJARATI

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr.Pinakini Pandya	August 2012	Premila Chaudhri	Harish Nagrechani Navlikama nari ashtitvani Shodh
	August 2012	Kinjal Solanki	Lokgitoma nari savedna
	August 2012	Mukesh Kanani	Panalal Patel: sarjak Shabdkosh
Dr.Param Pathak	Sep 2012	Jayvanti Chaudhri	Ved vyaskrut mahabharat
	Sep 2012	Satish Parmar	Pasandgini tribhashi pravasa sahitya
	Sep 2012	Prakash Parmar	Gujaratima sarjnatmak sanskrit granthasth Anuvado
	Sep 2012	Chetna Zala	Ravindranath tagor krut Gitanjali
	Sep 2012	Gauri chavda	Pasandgini Gujaratinaval kathaoma
Dr.B.R.Brahmbhatt	Sep 2012	Bhumika Patel	Karsandas Manek ek Adhyayan
		Magan Parmar	Gujaratna lagnageetoma Fatana
		Abdulmia thakor	Anuadhunik vartakar : Dalpat chauhan
Dr. Jayendra Patel	Jan 13	Nayan Patel	Vachanamrutnu Gadya
		Bhagvan Mer	

## DEPARTMENT OF HINDI

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Dr. N.K. Chauhan	30/08/2012	Anu Sudama Pandey	“Dukhmochan” Mein Anchalikta : Ek Adhyayan
	30/08/2012	Shaileshkumar Talpada	‘Shailush’ Upanyas Mein Anchalikta
	30/08/2012	Abhesinh R. Chauhan	“Ek Aur Drounacharya : Adhunik Sandarbh”
Dr. D.S.Triathi	30/08/2012	Devyani R. Mahida	Mamata Kaliya Krit ‘Daud’ Upanyas : Ek Adhyayan
	30/08/2012	Dhaval Kumar N. Chanakya	Giriraj Kishor Krit ‘Jugalbandi’ : Ek Adhyayan
	30/08/2012	Dipika R. Parmar	“Aavan’ Upanyas Mein Narichitran Aur Unaki Samsyaen
	30/08/2012	Gautam V. Prajapati	Telivison Ki Bhasha : Ek Adhyayan
	30/08/2012	Purvi S. Purohit	Anaro : Ek Adhyayan
	30/08/2012	Sanjay N. Jhashmera	Navjagranankalin Hindi Patra-Pratikaon Mein Samjik Chetana
Dr. M.M.Sharma	24/09/2012	Kamleshkumar B. Patel	Kamleshwar Ki Pratinidhi Kahaniya : Ek Adhyayan
	24/09/2012	Gopal Talkaji Prajapati	‘Ve Din’ Upanyas Main Nihit Samvedana
	24/09/2012	Jaydeep R. Chuhan	Prasad Krut ‘Kankal’ Main Nihit Nari
	24/09/2012	Jagrutiben K. Halpati	“Antral’ : Chintanatmak Paksha....
Dr. H.M.Parmar	30/08/2012	Vinodkumar J. Vankar	Ghumil Ke Kavya Mein Yugbodh
	30/08/2012	Shivani K. Rana	Suryadin Yadav Krut ‘Jamin’ : Ek Samikshatmak Anushilan
	--	Vijaysinh R. R. Padhiyar	‘Gramya’ : Ek Adhyayan

## DEPARTMENT OF SANSKRIT

Name of the Teacher	Date of the Award of the Degree	Name of the Student	Title of the Dissertation
Prof. Dr. Niranjana P. Patel	2012	Dhaval Chudasama	Adikavi Valmiki Pranit Yoga Vasishtha
			Maharamayanna Utpati Prakarannu
			vivechnatmak Adhyayan

**(2) MPhil STUDENTS PURSUING IN DEPARTMENTS**

**(A) BASIC SCIENCES**

**MPhil Students Working under the Teachers of the Department at Present**

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

**(B) ECONOMIC SCIENCES**

**MPhil Students Working under the Teachers of the Department at Present**

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

**(C) SOCIAL SCIENCES**

**MPhil Students Working under the Teachers of the Department at Present**

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

**(D) LANGUAGES**

**MPhil Students Working under the Teachers of the Department at Present**

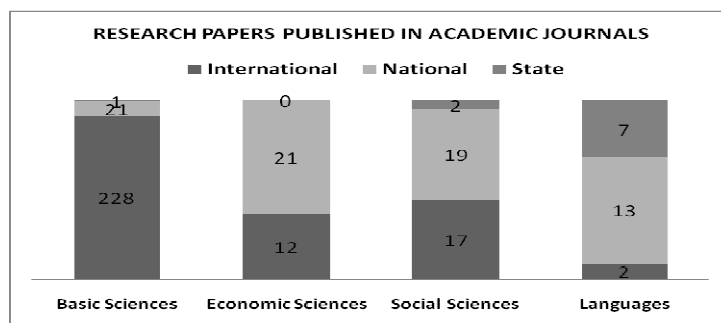
<b>No.</b>	<b>Department</b>	<b>MPhil Student (Pursuing)</b>
1.	Hindi	03
2.	Gujarati	17
3.	English	03
	<b>Total</b>	<b>23</b>



### 3.2 PUBLICATIONS

#### (1) RESEARCH PAPERS PUBLISHED IN ACADEMIC JOURNALS

##### (I) AN OVERVIEW



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

No.	Departments	International	National	State
1.	Basic Sciences	228	21	1
2.	Economic Sciences	12	21	--
3.	Social Sciences	17	19	2
4.	Languages	2	13	7

#### (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

No.	Departments	International	National	State
1.	Biosciences	56	10	--
2.	Chemistry	81	2	--
3.	Computer Science	32	3	
4.	Electronics	2	--	1
5.	Home Science	2	--	--
6.	Mathematics	9	1	--
7.	Physics	46	5	--
	<b>Total</b>	<b>228</b>	<b>21</b>	<b>1</b>

**DEPARTMENT OF BIOSCIENCES**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
J. H. Bavarva, A. V.R.L. Narasimhacharya	Systematic study to evaluate anti-diabetic potential of Amaranthus spinosus on type-1 and type-2 diabetes	Cellular and Molecular Biology	International	55(supp)	1818-1825	March 2013
Rupal A. Vasant, A. V. R. L. Narasimhacharya	A multigrain protein enriched diet mitigates fluoride toxicity	Journal of Food Science and Technology	International	50 (3)	528-234	March 2013
Rupal A. Vasant, A. V. R. L. Narasimhacharya	Response to Comments by Varol and Varol	Journal of the Science of Food and Agriculture	International	93 (2)	428	January 2013
Rupal A. Vasant, A. V. R. L. Narasimhacharya	Limonia fruit as a food supplement to regulate fluoride-induced hyperglycaemia and hyperlipidaemia	Journal of the Science of Food and Agriculture	International	93 (2)	422-426	January 2013
A. V. R. L. Narasimhacharya, Rupal A. Vasant	Chapter 12. Medicinal plants as antioxidants in fluoride induced oxidative stress	In: Medicinal plants as antioxidant agents: understanding their mechanism of action and therapeutic efficacy, Edited by Anna Capasso Research Signpost Publications, Trivandrum, India	International	ISBN: 978-81-308-0509-2	267-287	December 2013
Sneha Trivedi, Jyoti Divecha, Amita Shah	Optimization of inulinase production by a newly isolated Aspergillus tubingensis CR16 using low cost substrate	Carbohydrate Polymers	International	90	483-490	May 2012

Madhuri Narra, Garima Dixit, Jyoti Divecha, Datta Madamwar, Amita Shah	Production of cellulases by solid state fermentation with <i>Aspergillus terreus</i> and enzymatic saccharification of mild alkali-treated rice straw	Bioresource Technology	International	121	355-361	May 2012
Dr. A.S. Reddy	Kumbhalkar, B.B., Patel, S.L.Upadhye, A.S. & Reddy, A.S.	Occurrence of <i>Luffa hermaphrodiata</i> Singh & Bhandari in Gujarat and Maharashtra.	National Journ. Econ.Taxon. Botany.	ISSN:2050-9768	Vol.36.(4) 666-668	2012
Shah V., Jain K., Desai C. and Madamwar D	Molecular analyses of microbial activities involved in bioremediation: Current scenario and future applications.	Microbes in Environmental Management and Bio-technology	International, UK	Chapter 11	221-248	2012
Chapla D., Patel H., Singh A., Madamwar D and Shah A	Production, purification and properties of a cellulose-free thermostable endoxylanase from newly isolated <i>Panibacillus</i> sp. ASCD2	Annals of Microbiology	International, Italy	62	825-834	2012
Patel V., Jain S and Madamwar D.	Naphthalene degradation by bacterial consortium (DV-AL) developed from Alang-Sosiya ship breaking yard, Gujarat, India	Bioresource Technology	International, USA	107	122-130	2012
Patel V., Cheturvedula S and Madamwar D.	Phenanthrene degradation by <i>Pseudoxanthomonas</i> sp. DMVP2 isolated from hydrocarbon contaminated sediment of Amlakhadi canal, Gujarat, India.	Journal of Hazardous Materials	International, Ireland	201-202	43-51	2012
Jain K., Shah V., Chapla, D. and Madamwar D.	Decolorization and degradation of azo dye – Reactive Violet 5R by an acclimatized indigenous bacterial mixed cultures-SB4 isolated from anthropogenic dye contaminated soil	Journal of Hazardous Materials	International, Ireland	213-214	378-386	2012
Narra M., Dixit G., Divecha J., Madamwar D. and Shah A.	Production of cellulases by solid state fermentation with <i>Aspergillus terreus</i> and enzymatic hydrolysis of mild alkali-treated rice straw	Bioresource Technology	International, USA	121	355-361	2012

S. Venkata Mohan, P. suresh Babu, K. Naresh, G. Velvizhi and Madamwar D.	Acid azo dye remediation in anoxic-aerobic-anoxic microenvironment under period discontinuous batch operation: Bio-electro kinetics and microbial inventory	Bioresource Technology	International, USA	119	362-372	2012
Chapla D., Patel H., Madamwar D and Shah A.	Assessment of a Thermostable Xylanase from Paenibacillus sp. ASCD2 for Application in Prebleaching of Eucalyptus Kraft Pulp	Waste Biomass Valorization	International, Spain	3	269-274	2012
Matkar K., Chapla D., Divecha J., Nighojkar A. and Madamwar D.	Production of cellulase by a newly isolated strain of Aspergillus sydowii and its optimization under submerged fermentation.	International Biodeterioration and Biodegradation	International, USA	78	24-33	2013
Mohana S., Acharya B.K. and Madamwar D.	Bioremediation concepts for treatment of distillery effluent	Biotechnology of environment management and resource recovery	International, UK	Chapter 14	261-278	2013
Oturkar C. C., Patole M.S., Gawai K. R. and Madamwar D.	Enzyme based cleavage strategy of Bacillus lentus BI377 in response to metabolism of azoic recalcitrant.	Bioresource Technology	International, USA	130	360-365	2013
Shah V. and Madamwar D.	Community genomics: Isolation, characterization and expression of gene coding for azoreductase.	International Biodeterioration and Biodegradation	International, U.K	79	1-8	2013
Parmar A., Singh N. K., Dhoke R. and Madamwar D.	Influence of light on phycobiliprotein production in three marine cyanobacterial cultures	Acta Physiol Plant	International	In Press	---	---
Shah V., Zakrzewski M., Wibberg D., Eikmeyer F., Schlüter A and Madamwar D.	Taxonomic Profiling and Metagenome Analysis of a Microbial Community from a Habitat Contaminated with Industrial Discharges.	Microbial Ecology	International, USA	66	533-550	2013

Patel V. and Madamwar D.	Biodegradation of phenanthrene in bioaugmented microcosm by consortium ASP developed using coastal sediment of Alang-Sosiya ship breaking yard, Gujarat	Marine Pollution Bulletin	International, USA	74	199-207	2013
Oturkar C.C., Othman M.A., Kulkarni M.J., Madamwar D. and Gawai K.R.	Synergistic action of flavin containing NADH dependant azoreductase and cytochrome P450 monooxygenase in azoaromatic mineralization	RSC Advances	International, U.K	3	3062-3070	2013
Kavita B. and Keharia H. (2012).	Biosorption potential of Pythium biomass for removal of Cr(VI) from electroplating industrial effluent.	International Journal of Chemical Technology.	International	doi:10.1155/2012/305462	1-7	March 2012
Khyati V. Pathak, Haresh Keharia, Kallol Gupta, Suman S. Thakur, Padmanabhan Balaram.,	Lipopeptides from the banyan Endophyte, Bacillus subtilis K1: Mass spectrometric characterization of a library of fengycins.	Journal of American Society of Mass Spectrometry.	International	23(10)	1716-28.	2012
Bharvad Purvesh B. and J. S. S. Mohan	In vitro propagation, phytochemical analysis and antidiabetic properties of a rare medicinal herb: Schweinfurthia papilionacea A. Br.	Indian Journal of Biotechnology	National	11	476-480	October 2012
Joshi, N., Subramanian, R. B. and K. S. Rao.	Identification of yellowing inducing strain of Fusarium oxysporum F. Sp. Ciceris from India	Journal of Cell and Tissue Research	National	12(3)	3297-3305	2012
Pramod, S. and Karumanchi S. Rao.	Anatomical changes during transition from juvenile to adult wood in branch and main trunk xylem of subabul (Leucaena leucocephala (lam.) de wit.).	Journal of sustainable forestry	International	31	1-11	2012
Rao, K. S., Kim Y. S. and Pramod, S.	Ultrastructural changes in the cell walls of cambial derivatives during wood formation in Indian elm (Holooptelea integrifolia (Roxb.) Planch)	IAWA Journal	International	33 (4)	403-416	2012

Pramod, S., Priti, B. Patel and Karumanchi S. Rao.	Ethylene and its interaction with other hormones in tension wood formation in <i>Leucaena leucocephala</i>	Journal of the Indian Academy of Wood Science	International	9(2)	130-139	2012
Neha, S. J., K. S. Rao., and R.B. Subramanian.	Anatomical and biochemical aspects of interaction between roots of chickpea and <i>Fusarium oxysporum</i> f. sp. <i>Cicerisrace</i> 2.	Archives of phytopathology and plant protection,	International	45	1-17	2012
Pramod, S., Karumanchi S. Rao., and Anna Sundberg.	Structural, histochemical and chemical characterization of normal, tension and opposite wood of <i>Subabul</i> ( <i>Leucaena leucocephala</i> ).	Wood Science and Technology	International	47	777-796	2012
Preeti Mishra, Pramod. S and K. S. Rao	Effect of Exogenous Growth Regulators on Secondary Vascular Tissue Differentiation in the twigs of <i>Kigelia africana</i>	Phyton	International	53(1)	126-133	2013
Pramod, S., Komal S. Patel and K. S. Rao.	Effect of exogenous plant growth regulators on pattern of xylogenesis in young shoots of <i>Leucaena leucocephala</i>	Acta Botanica Hungarica	International	55(1)	81-97	2013
Rao, K. S., K. S. Rajput and Kim Y. S	Secondary growth and occurrence of isolated laticifers in the root of papaya ( <i>Carica papaya</i> Linn.).	Acta Botanica Gallica	International	In press	<a href="http://dx.doi.org/10.1080/12538078.2013.830072">http://dx.doi.org/10.1080/12538078.2013.830072</a>	2013
Rajput K.S., V.S Patil, and K. S. Rao	Wood Anatomy and development of interxylary phloem of <i>Ipomoea herdifolia</i> Linn.(convolvulaceae)	Journal of Plant Growth Regulation	International	32	654-662	2013
Pramod, S., P.B. Patel and K.S.Rao	Influence of exogenous ethylene on cambial activity, xylogenesis and ray initiation in young shoots of <i>Subabul</i> ( <i>Leucaena leucocephala</i> )	Flora	International	209(9)	Doi:10.1016/j.flora.2013.09.001	2013
Pramod, S and K.S.Rao	Effect of 2,6-Dichlorobenzonitrile on secondary wall deposition and lignifications in the stem of <i>Hibiscus cannabinus</i>	Journal of Plant Development	International	20	(In Press)	2013
Thomas, V., Pramod, S. and K.S.Rao	Phloic rays in <i>Hevea brasiliensis</i> with special reference to tapping panel dryness and stimulation	Journal of Plantation Crops	National	41(2)	140-150	2013

K.S.Rajput ., Patil, V., and K.S.Rao	Multiple cambia and secondary xylem of <i>Ipomoea pes-caprae</i> (L.) R. Br. (Convulvulaceae)	Acta Botanica Gallica	International	In Press	<a href="http://dx.doi.org/10.1080/12538078.2013.847020">http://dx.doi.org/10.1080/12538078.2013.847020</a>	2013
Patel, V.R., Pathak, N. and K. S. Rao	Effect of local heating on dormant cambial cells in the branches of <i>Lannea coromandelica</i> (Houtt.) Merr	Indian Forester	National	139	731-736	2013
Kher M.M. and Nataraj M.	Micropropagation of <i>Hibiscus radiatus</i> : a medicinally important plant	Proceedings of Plant tissue culture sociation of India	National symposium	---	18-26	2012
Pritesh Parmar, Mandakini Patel, Bhaumik Dave, R.B. Subramanian	Nickel accumulation by <i>Colocassia esculentum</i> and its impact on plant growth and Physiology	African journal of agricultural research	International	7(24)	3579-3587	June 2012
Pritesh Parmar, Mandakini Patel, Bhaumik Dave, R.B. Subramanian	Identification of <i>Colocassia esculentum</i> a novel plant spp for the application of phytoremediation	African journal of basic and applied sciences	International	4 (3)	67-72	May 2012
Pritesh Parmar and R.B. Subramanian	Biochemical alteration induced in tomato ( <i>Lycopersicum esculentum</i> ) in response to <i>Fusarium oxysporum</i> f. sp. <i>Lycopersici</i>	African journal of basic and applied sciences	International	4(5)	186-191	April 2012
Pritesh Parmar, R.B. Subramanian and A.K.K. Achakzai	Optimization of growth regulators for shoot induction and regeneration of tomato ( <i>Lycopersicum esculentum</i> Mill.)	Academic journal of plant sciences	International	5 (4)	114-118	April 2012
Mandakini Patel, Pritesh Parmar, Bhaumik Dave, R.B. Subramanian	Antioxidative and physiological studies on <i>Colocassia esculentum</i> in response to Arsenic stress	African journal of biotechnology	International	11 (96)	16241-16246	November 2012
Pritesh parmar, Bhaumik dave, Ankit sudhir, Ketan panchal and R B Subramanian	Physiological, biochemical and molecular response of plants against heavy metals stress	International journal of current research	International	5 (1)	80-89	January 2013
Prakash R. Patel and T. V. Ramana Rao	Screening of antibacterial activity of some underutilized fruits of Sapotaceae	International Food Research Journal	International	Vol. 19 Issue 3	1227-1231	2012

Soumya V. Menon and T. V. Ramana Rao	Enzyme activities during the development and ripening of watermelon ( <i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai) fruit	International Journal of Plant Developmental Biology	International	Vol. 6 Issue 1	21-26	2012
Soumya V. Menon and T. V. Ramana Rao	Nutritional quality of muskmelon fruit as revealed by its biochemical properties during different rates of ripening	International Food Research Journal	International	Vol. 19 Issue 4	1621-1628	2012
Nilanjana S. Baraiya, Neeta B. Gol and T.V. Ramana Rao	Influence of polysaccharide based edible coatings on the shelf life and nutritional quality of tomato fruit.	Food	International	Vol. 6 Issue 1,	22-27	2012
Prakash R. Patel and T. V. Ramana Rao	Influence of growth and ripening of <i>Physalis minima</i> L. fruit on its antibacterial potential.	Research Journal of Medicinal Plants	National	Vol. 6 Issue 4	326-333	2012
Prakash R. Patel and T. V. Ramana Rao	Antibacterial activity of underutilized fruits of Jamun ( <i>Syzigium cumini</i> )	International Journal of Current Pharmaceutical Research	International	Vol. 4 Issue 1	36-39	2012
Prakash R. Patel and T. V. Ramana Rao	Physiological changes in Karanda ( <i>Carissa carandus</i> L.) fruit during growth and ripening.	Nutrition and Food Science	International	Vol. 43 Issue 2,	128 – 136	2013
Soumya V. Menon and T. V. Ramana Rao	Nutritional quality evaluation of nonnetted muskmelon fruit during its development and ripening	Nutrition and Food Science	International	Vol. 43, Issue 4,	398-406	2013
Neeta B. Gol, Pooja R. Patel and T. V. Ramana Rao	Improvement of quality and shelf life of strawberry with edible coatings enriched with chitosan	Postharvest Biology and Technology	International	Vol. 85	185–195	2013
Neeta B. Gol, Manu L. Chaudhari and T. V. Ramana Rao	Effect of edible coating on quality and shelf-life of carambola ( <i>Averrhoa carambola</i> L.) fruit during storage.	Journal of Food Science and Technology	National	(DOI: 10.1007/s13197-013-0988-9, Article in press)	---	2013
Sonu Sharma and T. V. Ramana Rao	Nutritional quality characteristics of pumpkin fruit as revealed by its biochemical analysis	International Food Research Journal	International	In Press	---	---



Pinal B. Vyas, Neeta B. Gol and T. V. Ramana Rao	Postharvest quality maintenance of papaya fruit by using polysaccharides based edible coatings	International Journal of Fruit Science	International	In Press	---	2013
Prakash R. Patel and T.V. Ramana Rao	Growth and ripening related changes in Spanish cherry ( <i>Mimusops elengi</i> L.)	Indian Journal of Plant Physiology	National	[DOI 10.1007/s40502-013-0023-1 Article in press)	---	2013
Prakash R. Patel and T. V. Ramana Ra	Growth and ripening in Blackplum [ <i>Syzygium cumini</i> (L.) Skills]	International Journal of Fruit Science	International	In Press	---	2013
S. M. Khasim, T.V. Ramana Rao, G. Ramesh and S. Hemalatha	Structure and development of fruit and seed of <i>Jatropha gossypifolia</i> L. In B. Bahadur et al. (eds.), <i>Jatropha, Challenges for a New Energy Crop, Volume 2: Genetic Improvement and Biotechnology.</i>	© Springer Science+Business Media, New York	---	---	---	2013
Vimal Prajapati, U. B. Trivedi and K. C. Patel, (2013)..	Optimization of glucoamylase production by <i>Colletotrichum</i> sp. KCP1 using statistical methodology	Food Sciences and Biotechnology	---	22(1)	31-38	February 2013
Harsur M. Jajda & Vasudev R. Thakkar	Control of <i>Aspergillus niger</i> infection in varieties of <i>Arachis hypogaea</i> L. by supplementation of zinc ions during seed germination	Archives Of Phytopathology And Plant Protection	International	Volume 45, Issue 12, 2012	1464 -1478	July 2012
Himanshu Bariya, Vasudev Thakkar, Saurabh Tanna & R.B. Subramanian	Biochemical and molecular determinance of resistance and susceptibility in <i>Solanum tuberosum</i> (potato) plants challenged with <i>Phytophthora infestans</i>	Archives Of Phytopathology And Plant Protection	International	Volume 45, Issue 12, 2012	1429-1438	July 2012
Jajda H. M., Patel R. R. and Thakkar V. R.	Purification and Identification of <i>Aspergillus niger</i> induced novel protein from groundnut <i>Arachis hypogaea</i> L.	Journal of cell and tissue research	National	Volume 13, Issue 1, 2013	3485-3490	March 2013

**DEPARTMENT OF CHEMISTRY**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Yogesh S. Patel , Khyati D. Patel, Hasmukh S. Patel	Spectral and antimicrobial studies on novel ligand and its coordination polymers	Journal of Saudi Chemical Society	International	10.1016	---	November 2012
Paresh N. Patel, Yogesh S. Patel, Hasmukh S. Patel	“Studies on coordination polymers derived from 2,5-bis(naphthalene-1-ylcarbamoyl)terephthalic acid”	Journal of Macromolecular Science	International	---	---	August 2013
Yogesh S. Patel, Hasmukh S. Patel & Bolishetti Srinivasulu	“Synthesis, spectral, magnetic, thermal and biological aspects of pyromellitic dianhydride based co-ordination polymers”	International Journal of Plastics Technology	International	ISSN 0972-656X Volume 16 Number 2	117-124	December 2012
Yogesh S. Patel, Khyati D. Patel, Hasmukh S. Patel *	Spectral and antimicrobial studies on novel ligand and its co-ordination polymers	Journal of Saudi Chemical Society	International	<a href="http://dx.doi.org/10.1016/j.jscs.2012.11.008">http://dx.doi.org/10.1016/j.jscs.2012.11.008</a>	---	November 2012
Yogesh S. Patel and Hasmukh S. Patel*	Thermoplastic-Thermosetting Merged Polyimides Derived from Furan-Maleimide	Journal of Research Updates in Polymer Science	International	1	75-83	December 2012
Varun G. Bhila, Chirag V. Patel, Niraj H. Patel and Dinkar I. Brahmbhatt*	One pot synthesis of some novel coumarins containing 5-(substituted-2- hydroxybenzoyl)pyridine as a new class of antimicrobial and antituberculosis agents	Medicinal Chemistry Research	International	22 (9)	4338-4346	2013
Ankit R. Kaneria, Rakesh R. Giri, Varun G. Patel, Hemali J. Prajapati, Dinkar I. Brahmbhatt	Microwave assisted synthesis and biological activity of 3-aryl-furo[3,2-c]coumarins	Arabian journal of chemistry	International	---	<a href="http://dx.doi.org/10.1016/j.arabjc.2013.01.017">dx.doi.org/10.1016/j.arabjc.2013.01.017</a>	2013

Apoorva A Patel§, Hemali B Lad§, Kinnar R Pandya, Chirag V Patel and Dinkar I Brahmhatt*	Synthesis of a new series of 2-(2-oxo-2H-chromen-3-yl)-5H-chromeno[4,3-b]pyridin-5-ones by two facile methods and evaluation of their antimicrobial activity	Medicinal Chemistry Research	International	22	4745-4754	2013
Hemali B. Lad, Rakesh R. Giri and D. I. Brahmhatt*	An efficient synthesis of some new 3-bipyridinyl substituted coumarins as potent antimicrobial agent	Chinese Chemical Letters	International	24 (3)	227-229	2013
Nandhibatla V Sastry, Nilesh M Vaghela and Vindo K Aswal	Effect of alkyl chain length and head group on surface active and aggregation behavior of ionic liquids in water	Fluid Phase Equilibria	International	327	22 -29	2012 (I. F. 2.253)
N. V. Sastry, N. M. Vaghela, P. M. Macwan, S. S. Soni, V. K. Aswal and A. Gibaud	Aggregation Behavior of Pyridinium Based Ionic Liquids in Water – Surface Tension, <sup>1</sup> H NMR Chemical Shifts, SANS and SAXS Measurements	Journal of Colloid and Interface Science	International	371	52 –61	2012 (I. F. 3.066)
N. V. Sastry, P. H. Valand, P. M. Macwan	Effect of hydrophilic additives on volumetric and viscosity properties of amino acids in aqueous solutions at T (283 to 333.15) K	Journal of Chemical Thermodynamics	International	49	14 –23	2012 (I.F. 2.794)
N. V. Sastry, S. H. Punjabi, V. K. Aswal and P. S. Goyal,	Small Angle Neutron Scattering and Viscosity Measurements on Silicone-, Ionic and Nonionic Surfactant Mixed Systems in Aqueous Solutions	J. Disp. Sci. Technol	International	33 (2)	245 - 253	2012 (I.F. 0.720)
A.N.Dadhania, V.K.Patel & D.K.Raval	Catalyst-free Sonochemical Synthesis of 1,8-Dioxo-octahydroxanthene Derivatives in Carboxy Functionalized Ionic Liquid	Comptes Rendus Chimie, 15 , 378–383 (2012)	International	---	---	2012
A.N.Dadhania, V.K.Patel & D.K.Raval	A Facile Approach for the Synthesis of 3,4-Dihydropyrimidin-2-(1H)-Ones using a Microwave Promoted Biginelli Protocol in Ionic Liquid	Journal of Chemical Sciences, 124(4), 921-926 (2012)	International	---	---	2012

Jemin Avalani, Devji Patel & D. K. Raval	1-Methylimidazolium trifluoroacetate [Hmim]Tfa: Mild and efficient Brønsted acidic ionic liquid for Hantzsch reaction under microwave irradiation	J. Chem. Sci., 124( 5), 1091–1096( 2012)	International	---	---	2012
Umesh Tarpada, Bhautik Thummar & D. K. Raval	Polymer supported sulfanilic acid - A Novel Green Heterogeneous catalyst for synthesis of benzimidazole derivatives	Journal of Saudi Chemical Society, in press <a href="http://dx.doi.org/10.1016/j.jscs.2012.07.014">http://dx.doi.org/10.1016/j.jscs.2012.07.014</a>	International	---	---	2013
Devji Patel, Jemin Avalani & D. K. Raval	Ionic liquid catalyzed convenient synthesis of Imidazo[1,2-a]quinoline under sonic condition	J. Braz. Chem. Soc., in press	International	---	---	2013
Bhautik Thummar, Umesh Tarpada & D. K. Raval	Study on one-pot Biginelli-Like synthesis of Pyrazolo[3,4-d]pyrimidines in Bronsted acidic ionic liquid under sonication and its mechanism	Journal of Heterocyclic Chemistry, in press, 10.1002/jhet.1870	International	---	---	2013
Jasmin Patel, Jemin Avalani & D. K. Raval	Polymer supported sulfanilic acid: A highly efficient and recyclable green heterogeneous catalyst for the construction of 4,5 dihydropyrano[3,2-c]chromenes under solvent free condition.	Journal of Chemical Sciences, 125, 531–536 (2013)	International	---	---	2013
Shailesh Satasia, Piyush Kalaria and D. K. Raval	Acidic ionic liquid immobilized on Cellulose: An efficient and recyclable heterogeneous catalyst for the solvent-free synthesis of hydroxylated trisubstituted pyridines	RSC Adv., DOI:10.1039/C3 RA 23052J	International	---	---	2013
Devji S. Patel, Jemin Avalani and D. K. Raval	One-pot solvent-free rapid and green synthesis of 3,4-dihydropyrano[c]chromenes using grindstone chemistry	Journal of Saudi Chemical Society, <a href="http://dx.doi.org/10.1016/j.jscs.2012.12.008">http://dx.doi.org/10.1016/j.jscs.2012.12.008</a>	International	---	---	2013

J.R.Avalani, D.S. Patel and D.K. Raval	Saccharomyces cerevisiae catalyzed one pot synthesis of isoindolo[2,1-a]quinazolinone performed under ultrasonication,	Journal of Molecular Catalysis B: Enzymatic 90, 70–75(2013) doi:10.1016/j.molcatb.2013.01.024	International	---	---	2013
Rakesh Patel, Umesh Tarpada and D. K. Raval	Study on copolymers synthesized from 2, 3-epoxypropyl- 3-(2-furyl)acrylate - styrene and their glass fibre reinforced composites	J Polym Eng (2013), DOI 10.1515/polyeng-2013-0054	International	---	---	2013
Mohan N. Patel , Promise A. Dosi, Bhupesh S. Bhatt	Interaction of palladium(II) coordination compounds with calf thymus DNA and their antibacterial activity	Inorganic Chemistry Communications	International	21	61-64	2012
Mohan N. Patel*, Chintan R. Patel, and Hardik N. Joshi	Cytotoxic, DNA Interaction, SOD Mimic, and Antimicrobial Activities of Square Pyramidal Copper(II) Complexes	Zeitschrift fur Anorganische und Allgemeine Chemie	International	638(7-8)	1224-1232	2012
Mohan N. Patel*, Chintan R. Patel, Hardik N. Joshi	Interaction of drug based copper(II) complexes with Herring Sperm DNA and their biological activities	Spectrochimica Acta Part A	International	97	66-73	2012
Mohan N. Patel*, Pradhuman A. Parmar, Deepen S. Gandhi, Anshul P. Patidar	DNA interactions and cytotoxic studies of cis-platin analogues of substituted 2,20-bipyridines	Spectrochimica Acta Part A	International	97	54-59	2012
Mohan N. Patel,* Promise A. Dosi and Bhupesh S. Bhatt	Synthesis, Characterization and Biological Activities of Ciprofloxacin Drug Based Metal Complexes	Acta Chimica Slovenica	International	59	622-631	2012
Mohan N. Patel,* Promise A. Dosi and Bhupesh S. Bhatt	Square planar palladium(II) complexes of bipyridines: synthesis, characterization and biological studies	Journal of coordination chemistry	International	65(21)	3833-3844	2012
M. N. Patel, H. N. Joshi, C. R. Patel	Interactions with herring sperm DNA and biological studies of sparfloxacin drug-based copper(II) compounds	Applied Organometallic Chemistry	International	26	641-649	2012

M. N. Patel, C. R. Patel, H. N. Joshi	Synthesis, characterization and biological studies of mononuclear copper(II) complexes with ciprofloxacin and N, O donor ligand	Inorganic Chemistry Communications	International	27	51-55	2013
M. N. Patel, H. N. Joshi, C. R. Patel	Cytotoxic, antibacterial, DNA interaction and superoxide dismutase like activities of sparfloxacin drug based copper(II) complexes with nitrogen donor ligands	Spectrochimica Acta Part A	International	104	48-55	2013
M. N. Patel, B. S. Bhatt, P. A. Dosi	Synthesis and evaluation of gold(III) complexes as efficient DNA binders and cytotoxic agents	Spectrochimica Acta Part A	International	110	20-27	2013
M. N. Patel, B. S. Bhatt, P. A. Dosi	DNA Binding, Cytotoxicity and DNA Cleavage Promoted by Gold(III) Complexes	Inorganic chemistry communications	International	---	Accepted	2013
M. N. Patel, C. R. Patel, H. N. Joshi	Metal based biologically active compounds: synthesis, characterization, DNA interaction, antibacterial, cytotoxic and SOD mimic activities	Applied Biochemistry and Biotechnology	International	---	Accepted	2013
Harshad G. Kathrotiya and Manish P. Patel	Synthesis and identification of $\beta$ -aryloxyquinoline based diversely fluorine substituted N-aryl quinolone derivatives as a new class of antimicrobial, antituberculosis and antioxidant agents	Eur. J. Med. Chem	International	63	675-684	2013
Hardik H. Jardosh and Manish P. Patel	Microwave-induced CAN promoted atom-economic synthesis of 1H-benzo[b]xanthene and 4H-benzo[g]chromene derivatives of N-allyl quinolone and their antimicrobial activity	Med. Chem. Res	International	22	2954-2963	2013
Chetan B. Sangani, Hardik H. Jardosh, Manish P. Patel, Ranjan G. Patel	Microwave-assisted synthesis of pyrido[1,2-a]benzimidazole derivatives of $\beta$ -aryloxyquinoline and their antimicrobial and antituberculosis activities	Med. Chem. Res	International	22	3035-3047	2013

Mehul B. Kanani and Manish P. Patel	Synthesis and in vitro antimicrobial evaluation of novel 2-amino-6-(phenylthio)-4-(2-(phenylthio)quinolin-3-yl)pyridine-3,5 dicarbonitriles	Med. Chem. Res	International	22	2912-2920	2013
Chetan B. Sangani, Nimesh M. Shah, Manish P. Patel, Ranjan G. Patel	Microwave-assisted synthesis of novel 4H-chromene derivatives bearing 2-aryloxyquinoline and their antimicrobial activity assessment	Med. Chem. Res	International	22	3831-3842	2013
Hardik H. Jardosh and Manish P. Patel	Microwave-assisted CAN-catalyzed solvent-free synthesis of N-allyl quinolone-based pyrano[4,3-b]chromene and benzopyrano[3,2-c]chromene derivatives and their antimicrobial activity	Med. Chem. Res	International	22	905-9	2013
Hardik H. Jardosh, Chetan B. Sangani, Manish P. Patel, Ranjan G. Patel	One step synthesis of pyrido[1,2-a]benzimidazole derivatives of aryloxy pyrazole and their antimicrobial evaluation	Chin. Chem. Let.	International	24	123-126	2013
Nimesh M. Shah, Manish P. Patel, Ranjan G. Patel	New N-arylamino biquinoline derivatives: microwave-assisted synthesis and their antimicrobial activities	Med. Chem. Res	International	22	312-322	2013
Nilesh J. Thumar, Manish P. Patel	Synthesis, characterization and in vitro microbial evaluation of some new 4H-chromene and quinoline derivatives of 1H-pyrazole	J. Het. Chem	International	49	1169-1178	2012
Nirav K. Shah, Nimesh. M. Shah, Manish P. Patel, Ranjan G. Patel	Synthesis, characterization and antimicrobial activity of some new biquinoline derivatives containing a thiazole moiety	Chin. Chem. Let.	International	23	454-457	2012
Nimesh M. Shah, Manish P. Patel, Ranjan G. Patel	An Efficient and Facile Synthesis of 1H-Pyrazolo[1,2-b]phthalazine-5,10-dione Derivatives of Biological Interest	J. Het. Chem	International	49	1310-1316	2012

Jigar A. Makawana, Manish P. Patel, Ranjan G. Patel	Synthesis and in vitro antimicrobial evaluation of penta-substituted pyridine derivatives bearing the quinoline nucleus	Med. Chem. Res	International	21	616-623	2012
Yatin N. Patel and Manish P. Patel	Novel Cationic Poly[AAM/NVP/DAPB] Hydrogels for Removal of Some Textile Anionic Dyes from Aqueous Solution	J. Macromol. Sci. A	International	49	1-12	2012
Chetan. B. Sangani, Divyesh. C. Mungra, Manish P. Patel, Ranjan G. Patel	Synthesis and in vitro antimicrobial screening of new pyrano[4-3-b]pyrane derivatives of 1H-pyrazole	Chin. Chem. Let	International	23	57-60	2012
Jigar A. Makawana, Manish P. Patel, Ranjan G. Patel	Synthesis and in vitro antimicrobial activity of N-arylquinoline derivatives bearing 2-morpholinoquinoline moiety	Chin. Chem. Let	International	23	427-430	2012
Nimesh. M. Shah, Manish P. Patel, Ranjan G. Patel	New N-arylamino biquinoline derivatives: Synthesis, antimicrobial, antituberculosis, and antimalarial evaluation	Eur. J. Med. Chem.	International	54	239-247	2012
Nimesh. M. Shah, Manish P. Patel, Ranjan G. Patel	Synthesis of a novel class of some biquinoline pyridine hybrids via one-pot, three-component reaction and their antimicrobial activity	J. Chem. Sci.	International	124 (3)	669-677	2012
Hardik. H. Jardosh and Manish P. Patel	Lanthanum triflate-triggered synthesis of tetrahydroquinazolinone derivatives of N-allylquinolone and their biological assessment	J. Serb. Chem. Soc.	International	77 (11)	1561-1570	2012
Pushpak. M. Shah, Manish P. Patel	Zn(OTf) <sub>2</sub> -catalyzed three component, one-pot cyclocondensation reaction of some new octahydroquinazolinone derivatives and access their bio-potential	Med. Chem. Res.	International	21	1188-1198	2012



Sandip V. Bhuvra and Manish P. Patel	A three component one-pot synthesis and biological studies of some new octahydroacridine-1,8-dione derivatives containing tetrazolo[1,5-a]quinoline moiety	Ind. J. Chem	National	51B	1388-1395	2012
Chetan. B. Sangani, Divyesh. C. Mungra, Manish P. Patel, Ranjan G. Patel	A one-pot synthesis of pyrano[6,5-b]quinoline derivative and their biological studies	J. Serb. Chem. Soc.	International	77 (9)	1165-1174	2012
Nirav K. Shah, Nimish M. Shah, Manish P. Patel, Ranjan G. Patel	The design, synthesis and antimicrobial activity of new biquinoline derivatives	J. Serb. Chem. Soc.	International	77 (3)	279-286	2012
Harshad G. Kathrotiya, Nilav A. Patel, Ranjan G. Patel, Manish P. Patel	An efficient synthesis of 3'-quinolinyl substituted imidazole-5-one derivatives catalyzed by zeolite and their antimicrobial activity	Chin. Chem. Let.	International	23	273-276	2012
Divyesh C. Mungra, Harshad G. Kathrotiya, Niraj K. Ladani, Manish P. Patel, Ranjan G. Patel	Molecular iodine catalyzed synthesis of tetrazolo[1,5-a]-quinoline based imidazoles as a new class of antimicrobial and antituberculosis agents.	Chin. Chem. Let.	International	23	1367-1370	2012
Harshad G. Kathrotiya, Ranjan G. Patel, Manish P. Patel	Microwave-assisted multicomponent synthesis of 3'-indolyl substituted pyrano[2,3-c]pyrazoles and their antimicrobial activity	J. Serb. Chem. Soc.	International	77 (8)	983-991	2012
Harshad G. Kathrotiya and Manish P. Patel	Microwave-assisted synthesis of 3'-indolyl substituted 4H-chromenes catalysed by DMAP and their antimicrobial activity	Med. Chem. Res.	International	21	3406-3416	2012
Jigar A. Makawana, Manish P. Patel, Ranjan P. Patel	Diversity-Synthesis and antimicrobial evaluation of new pyrano[4,5-b]pyran and pyrano[3,2-c] chromene derivatives bearing 2-thiophenoxy quinoline nucleus	Arch. Pharm. Chem. Life Sci.	International	345	314-322	2012

Nilesh J. Thumar and Manish P. Patel	Synthesis, characterization and biological activity of some new carbostyryl bearing 1H-pyrazole moiety	Med. Chem. Res.	International	21	1751-1761	2012
N. J. Parmar, H. A. Barad, B. R. Pansuriya, S.B. Teraiya, V. K. Gupta, R. Kant	An efficient one-pot synthesis, structure, antimicrobial and antioxidant investigations of some novel quinolydibenzo [b,e][1,4] diazepinones	Bioorganic & Medicinal Chemistry Letters (Elsevier)	International	22	3816-3821	April 2012
N. J. Parmar, B.R. Pansuriya, H. A. Barad, R.Kant, V. K. Gupta	An improved microwave assisted one-pot synthesis, and biological investigations of some novel aryldiazenyl chromeno fused pyrrolidines	Bioorganic & Medicinal Chemistry Letters (Elsevier)	International	22	4075-4079	April 2012
N. J. Parmar, B. R. Pansuriya, B.M. Labana, T. R. Sutariya, R. Kant, V.K. Gupta	Access to Some Angular Aminochromeno [2,3-c]pyrazole Precursors by a Domino Knoevenagel –hetero-Diels–Alder Reaction	European journal of organic chemistry (Wiley-VCH)	International	2012	5953-5964	September 2012
N. J. Parmar, B. R. Pansuriya, H. A. Barad, B. D. Parmar, R. Kant, V. K. Gupta	Triethylammonium acetate-mediated domino-Knoevenagel-hetero-Diels–Alder reaction: synthesis of some angular polyheterocycles	Monatsh Chem (Springer)	International	144	865-878	November 2012
N. J. Parmar, R.A. Patel, B. D. Parmar, N. P. Talpada	An efficient domino reaction in ionic liquid: Synthesis and biological evaluation of some pyrano- and thiopyrano-fused heterocycles	Bioorganic & Medicinal Chemistry Letters(Elsevier)	International	23	1656-1661	January 2013
N. J. Parmar, H. A. Barad, B. R. Pansuriya, N.P. Talpada	A highly efficient, rapid one-pot synthesis of some new heteroaryl pyrano[2,3-c]pyrazoles in ionic liquid under microwave-irradiation	RSC Advances (RSC publication)	International	3	8064-8070	March 2013
N. J. Parmar, S. B. Teraiya, H. A. Barad, D Sharma, V.K. Gupta	Efficient One-Pot Synthesis of Precursors of Some Novel Aminochromene Annulated Heterocycles via Domino Knoevenagel–hetero-Diels–Alder Reaction	Synthetic Communications (Taylor & Francis)	International	43	1577-1586	March 2013

K.H.Patel,Z.H.Patel R.M.Patel,R.J.Patel	Acrylic copolymers..... ...antimicrobial properties.	Der chemical sinica	Internationa	3(2)	391-401	2012
K.H.Patel,Z.H.Patel ,R.J.Patel	Novel acrylic copolymers .....activity	J. of chemical and pharm.research	Internationa	4(12)	5215-5224	2012
Amit Dholakia, Jayesh Jivani, Jignesh Trivedi, Kirit Patel and Harikrishna Trivedi	UV-Radiation induced graft copolymerization of methyl methacrylate onto Sodium salt of Partially Carboxymethylated Psyllium	Journal of Applied Polymer Science	International	124(6)	4945-4952	June 2012
J. H. Trivedi, J. R. Jivani, U.S. Shah, N. K. Patel and H.C. Trivedi	Synthesis, Characterization and Swelling Behaviour of Super Absorbent Hydrogel from Sodium salt of Partially Carboxymethylated Guar Gum	Prajna-Journal of Pure and Applied Science	National	----	----	In Press, 2012
J. H. Trivedi	Synthesis, Characterization and Swelling Behaviour of Superabsorbent Hydrogel from Sodium salt of Partially Carboxymethylated Tamarind Kernel Powder-g-PAN	Journal of Applied Polymer Science	International	DOI: 10.1002/ap p.38910 First Published online	1992-2003	January 2013
N. V. Sastry, N. M. Vaghela, P. M. Macwan, S. S. Soni, V. K. Aswal, A. Gibaud	Aggregation behavior of pyridinium based ionic liquids in water – surface tension, <sup>1</sup> H NMR chemical shifts, SANS and SAXS measurements	Journal of Colloid and Interface Science	International	371	52 - 61	2012
S. S. Soni, K. B. Fadadu	Spectral sensitization of TiO <sub>2</sub> by new hemicyanine dyes in dye solar cell yielding enhanced photovoltage : Probing chain length effect on performance	Electrochimica Acta	International	88	270-277	2013
D. A. Kotadia, S. S. Soni	Symmetrical and unsymmetrical Bronsted Acidic ionic liquids for the effective conversion of fructose to 5- hydroxymethyl furfural	Catalysis Science and Technology	International	3	469-474	2013
S. S. Soni, G. S. Dave, M. J. Henderson, A. Gibaud	Visible light induced cell damage of Gram positive bacteria by N-doped TiO <sub>2</sub> mesoporous thin films	Thin Solid Films	International	531	559 – 565	2013

K. R. Surati, B. T. Thaker	Synthesis, Thermal Behavior, and Antimicrobial Activity of Polyether Based on 4,7-dichloro 6-nitroquinazoline	International Journal of Polymeric Materials	International	International Journal of Polymeric Materials, 61	437–447	2012
Narsidas J. Parmar , Rikin A. Patel, Bhagyashri.D.Parmar, Navin P. Talpada	An efficient domino reaction in ionic liquid: Synthesis and biological evaluation of some pyrano- and thiopyrano-fused heterocycles	Bioorganic & Medicinal Chemistry Letters	International	23	1656–1661	January 2013
NarsidasJ. Parmar Hitesh.A.Barad, Bhavesh.R.Pansuriya Navin.P. Talpada	A highly efficient, rapid one-pot synthesis of some new heteroaryl pyrano[2,3-c]pyrazoles in ionic liquid under microwave-irradiation	RSC Advances	International	3	8064-8070	March 2013

#### DEPARTMENT OF COMPUTER SCIENCE

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. And Issue No.	P.P.	Month & Year
Virparia P V, Amisha Shingala	ANY2MYSQL: An effective tool for data conversion	International journal of computational intelligence & communication technology	International	Vol 1, issue 1, ISSN: 2278-6732	pp : 108-112	January – June 2012
Virparia P V, Amisha Shingala	Enriching Document Features for Effective Information Retrieval using Natural Language Query Interface	International journal of IT, engineering and applied sciences(IJIEASR)	International	Vol 1, issue 13 ISSN: 2319-4413	pp : 56-58	December 2012
Virparia P V, Dharmenda Bhatti	Data Preprocessing for Reducing False Positive Rate in Intrusion Detection	International Journal of Computer Applications	International	Volume 57 No 5 ISSN: 0975 – 8887	---	November 2012
Virparia P V, Dharmenda Bhatti, Bankim Patel	Conceptual Framework for Soft Computing based Intrusion Detection to Reduce False Positive Rate	International Journal of Computer Applications	International	Volume 44 No 13, ISSN: 0975 – 8887	---	April 2012

Virparia P V, Himanshu Patel	Generic Model for Text Dependent Automatic Gujarati Speaker Recognition	International Journal of Emerging Trends & Technology in Computer Science	International	Volume 1, Issue 3	pp : 94-97	November 2012
Virparia P V, Maitri Patel	Designing Mobile Based Fuzzy Expert System for Viral Infection Diagnosis	International Journal of Current Research & Review	International	Vol. 4 Issue 12, ISSN : 2231-2196		June 2012
Virparia P V, Nehal Daulatjada, Swaminarayan Priya R, V R Rathod	Knowledge representation of "Published Articles" in semantic Web using Upper Ontology	International Journal of Advanced Research in Computer Science and Software Engineering	International	Vol 2 Issue 8 ISSN:2277-128X	pp : 294-299	August 2012
Virparia P V, Nehal Daulatjada, Swaminarayan Priya	Applications of Information and Communication Technology for Agricultural Development in India	Research@ICT: International Journal of Information and Computing Technology	International	Vol 2 Issue 2, ISSN:0976-5999	pp : 24-27	December 2012
Virparia P V, Gautam Kamani, N N Jani	Development of Software Dispatcher Based Load Balancing Algorithms for Heterogeneous Cluster Based Web Systems	National Journal of System and Information Technology	National	ISSN NO. 0974-3308	--	December 2012
R.D.Bhatt & Dr. D.B.Choksi	Nonmigratory Process Allocation Mechanism for Load Balancing on Linux Clusters	International Journal of Computer Science & Systems	International	Volume : 2 Issue : 2	117-120	June 2012
N.A. Joshi & Dr. D.B.Choksi	"Process Migration Techniques"	International Journal of Information and Computing Technology, (RESEARCH@ICT), ISSN : 0976-5999	International	Vol :2, Issue:2	28	November 2012
N.A. Joshi & Dr. D.B.Choksi	"User-Level Process Migration Mechanism"	International Journal of Advanced Research in Computer Science, ISSN : 0976-5697	International	Vol :4, No.:2	20-23	February 2013
R.D.Bhatt & Dr. D.B.Choksi	A Comparative Evaluation of Remote Administration Tools	International Journal of Advanced Research in Computer Science	International	Vol. 4 No. : 4	235-240	March-April 2013

Mijal Mistry and Dr D M Shah	Use of Web Services for Inter agents communication in Healthcare system	International Journal of Advances in Management, Technology & Engineering Sciences, ISSN 2249 7455	International	Volume I, Issue 7(I)	---	April 2012
Mijal Mistry and Dr D M Shah	An approach for serializing XML objects into HealthCare Domain using C#.Net	International Journal Of Advanced And Innovative Research, ISSN-2278 7844	International	Volume I, Issue II	---	July 2012
Mr. Biraj Patel, Dr. Dipti Shah,	Ranking Algorithm For Meta Search Engine	International Journal of Advanced Engineering Research and Studies E-ISSN2249-8974	International	Vol. II/ Issue I	39-40	December 2012
Mr. Biraj Patel, Dr. Dipti Shah,	Incorporation of Databases for Faster Meta Search Engine,	International Journal of Advanced Research in Computer Science ISSN No. 0976-5697	International	Volume 3, No. 7,	209-210	Nov-Dec 2012
Hardik Pandit and Dr Dipti Shah	The Model for Extracting a Portion of a Given Image Using Color Processing	International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181	International	Vol. 1 Issue 10	1-5	December 2012
Gutta, A.S. and Sajja Priti Srinivas	“Improved information delivery methods to farmers”,	International Journal of Engineering Associates	International	vol.1, no.5	---	March 2013
Gutta, A.S. and Sajja Priti Srinivas	“Fuzzy logic based intelligent farming multi agent system”,	International Journal of Computer Technology and Application,	International	vol.4, no.1,	pp.28-32	February 2013
Gutta, A.S. and Sajja Priti Srinivas	“Use of Yahoo! Pipes to deliver information to farmers”,	International Journal of Application or Innovation in Engineering and Management,	International	vol.2, no.1,	pp.82-86	January 2013
Gutta, A.S. and Sajja Priti Srinivas	“Intelligent agents: Personalization and filters”,	International Journal of Engineering Science and Innovative Technology,	International	vol.2, no.1	pp.535-539	January 2013

Gutta, A.S. and Sajja Priti Srinivas	“Intelligent agents: Combining the internet and knowledge bases”,	International Journal of Advanced and Innovative Research,	International	vol.1, no.6,	pp.10-19	November 2012
Macwan, N.A. and Sajja Priti Srinivas	“Retention of efficient human resources – A neuro-fuzzy way”,	International Magazine on Advances in Computer Science and Telecommunications,	International	, vol.3, no.3,	pp.187-191	June 2012
Macwan, N.A. and Sajja Priti Srinivas	“Soft computing techniques for employee evaluation: Designing framework of artificial neural network for employee evaluation”,	Journal of Computational Intelligence and Electronic Systems	International	vol.1, no.1,	pp.94-98	June 2012
Trivedi, J.A. and Sajja Priti Srinivas	“Modeling human behavior in machine using type-2 fuzzy neural approach”,	International Journal of Engineering and Innovative Technology,	International	vol.1, no.6,	pp.143-146	June 2012
Dahiya, V.R. and Sajja Priti Srinivas	“Vision defect identification system (VDIS) using knowledge base and image processing framework”	International Journal of Research in Computer & Communication Technology	International	vol.1, no.1,	pp.5-10	June 2012
Dahiya, V.R., Parajiya, A. and Sajja Priti Srinivas	“Generating knowledge base system using fuzzy rule base for vision defect identification”,	International Transactions on Electrical, Electronics and Communication Engineering,	International	vol.2, no.2,	pp.14-20	April 2012
Dahiya, V.R., Virparia, A. and Sajja Priti Srinivas	“Vision defects identification system using image processing”,	International Journal of Research & Innovation in Computer Engineering,	International	vol.2, no.2,	pp.219-222	April 2012
Dahiya, V.R., Trivedi, J.A. and Sajja Priti Srinivas	“Designing fuzzy rule base for vision defects”,	International Journal of Computer Technology & Applications,	International	vol.3, no.2,	pp.734-737	April 2012
Megha Vaidya, Maulik Patel, Dr. Hetalkumar Panchal	ProPhyC: Protein PhysicoChemical properties calculator.	International Journal of Computer Science and Management Research	International	Vol. 1 Issue 5	980-983	December 2012

Tanvi Patel, Dr Hetalkumar Panchal, Dr Jimis Patel, Dr. Amish Mehta, Dr. Tapan Rawal.	Interactive studies of proteins involved in controlling expression of DSPP gene responsible for Dentinogenesis Imperfecta using bioinformatics tools.	Dentimedia: Journal of Dentistry	National	Volume 17, Issue 04	70-74	December 2012
Megha Vaidya and Dr. Hetalkumar Panchal.	In silico Investigation and Structural Characterization of Virulent Factor and a Metallo Peptidase Present in Helicobacter pylori Strain J99.	Interdisciplinary Sciences: Computational Life Sciences	International	Volume 4, Issue 4	302-309	December 2012
Kirtan Dave and Hetalkumar Panchal	Review on Chemogenomics Approach: Interpreting Antagonist Activity of Secreted Frizzled-Related Protein 1 in Glaucoma Disease with In-Silico Docking.	Current Topics in Medicinal Chemistry	International	Volume 12 Issue16	1834-42	November 2012
Shah Richa, Panchal Hetalkumar, Vaidya Megha	An In Silico Analysis Of Folliculin And Folliculin Interacting Proteins Responsible For Skin Tumors And Birt Hogg Dubé Syndrome.	Journal of Drug Delivery & Therapeutics	National	Volume 2 Issue 4	104-108	July-August 2012

#### DEPARTMENT OF ELECTRONICS

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. And Issue No.	P.P.	Month & Year
Dhruv Dhananjay and Basumati H. Patel	Growth of flash evaporated ZnI <sub>2</sub> Se <sub>4</sub> thin films	International Journal of Applied Science and Engineering Research ISSN: 2277-9422	International	Vol.2, Issue 4	---	2013
V S Vaishnav, S G Patel, J N Panchal	Fabrication and Application of Thin Film Semiconductor Sensors for the detection of Volatile Organic Compounds	Advanced Materials Research	International	665	85-92	2013



Dr. V.S.Vaishnav	Virtual Universities and their Role in Strengthening the Education and Studies of Electronics	Proceedings, 17th ISTE Gujarat Convention and a Seminar on Technology Enabled Technical Education : Issues and Perspectives, held at 20th October, 2012 at Bardoli, Gujarat.	State	e-Proceedings	---	October
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#### DEPARTMENT OF HOME SCIENCES

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. And Issue No.	P.P.	Month & Year
Ms.Anjali Bhatt	Antioxidant Activity Of Gastric Using Conventional Extraction & In Vitro Gastro Intentional Digestion.	Free Radicals And Antioxidants.	International	3	30 To 34	March 2013
Dr.Namrita Kola & Harbinder Kaur	Eco-Friendly Finishing And Dyeing Of Jute With Direct Dye Method.	Asian Journal Of Home Science	International	7(1)	19-22	June 2012
Viraj R. & Pillai. A.	Phenolic Content & Antibacterial Effect Of Guava (Allahabad Safeda & Bhavnagar Red)	Journal Of Cell & Tissue Research	---	12(2) Issn : 0973-0028 E-Issn: 0974-0910	3255-3260	July 2012

**DEPARTMENT OF MATHEMATICS**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
S.J. Bhatt, D.J. Karia and Meetal Shah	On a class of smooth Frechet subalgebras of C*-algebras	Proceedings Mathematical Sciences	International	<a href="http://dx.doi.org/10.1007/s12044-013-0138-3">http://dx.doi.org/ 10.1007/s12044- 013-0138-3</a> )		
H.V. Dedania and S.J. Ghevariya.	Option Pricing Formulas for Fractional Polynomial Payoff Functions	International Jr of Pure and Applied Mathematical Sci.	International	6(1)	43-48	2013
H.V. Dedania and V.R. Shah	From Binomial to Binary: A note on multi-period binomial option pricing model	International Jr. of Mathematics and Computer Application Research	International	3(2)	169-174	2013
J. Krishna Rao and A.H. Hasmani	Solution of Maxwell's Equations for Charged Non- perfect Fluids Filling Dingle's Space-times	Jour. Tensor Society ISSN 0974-5428	National	6(2)	63-68	2012
A.H. Hasmani and V.G. Khambholja	A Metric for 5D Interior Black-hole Solution",	Journal of Dyn. Systems and Geometric Theories	International	10(2) DOI:10.1080/17 26037X.2012.10 698614	125-128	2012
Adnan K. Al-Salihi, A.H. Hasmani and M.G. Timol,	"Similarity Methods in the Analysis for Laminar Forced Convection on a Horizontal Plate	Wseas Transactions on Heat and mass Transfer (E-ISSN: 2224-3461)	International	8(1)	7-16	2013
H.S. Mehta and R.D. Mehta	p-sets and (i)-p-sets for Real Function Space	Int. J. Math. Anal.	International	6(41)	2033-2040	2012
U.P. Acharya and H.S. Mehta	Incidence Spectrum of Unicyclic Graphs	Proc. Of National Conf. on Recent Trends in Computer Science & Appl. and Comp. Math. (RTCSACM-2012)	International		234-237	December 2012
B. M. Patel and A. B. Patel	Stability of quartic functional equations in 2-Banach space	International Journal Of Mathematical Analysis	International	7 (21-24)	1097 – 1107	2013

B. M. Patel and A. B. Patel	Stability of Quadratic Functional Equation in 2-Banach space,	General Mathematics Notes	International	15(2)	1-13	2013
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### DEPARTMENT OF PHYSICS

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. And Issue No.	P.P.	Month & Year
U. H. Patel, S. A. Gandhi, V.M. Barot and M. C. Patel	3-(2-Chloro-3 -hydroxyl- 4- Methoxy-phenyl )-1-(4, 5-dimethoxy- 2 -methyl-phenyl) propenone	Acta Crystallographica Section E	International	Vol. No. : E68	o2926–o2927	06 September, 2012
U. H. Patel, B. D Patel and D. A. Shah	Quantum chemical studies on crystal structure of 1, 1' sulfonyldiimidazole	International Journal of Applied Sciences and Engineering Research,	International	Vol. 1, Issue 4	595-603	August 2012
U. H. Patel, B. D Patel and D. A. Shah	Synthesis and crystal structure determination of 2-Amino-1(4-Bromophenyl)-5-oxo-4, 5-dihydro-1-H-pyrrole-3-carboxylic acid ethyl ester	International Journal of Applied Sciences and Engineering Research	International	Vol. 1, Issue 6	755-762	December 2012
Ajay Majethiya, Kaushal Thakkar and P C Vinodkumar	Strong and electromagnetic decays of $\Xi_c$ baryon in quark-diquark model	Proceedings of science	International	PoS (QNP 2012) 094	--	April 2012
Arpit Parmar, Bhavin Patel, and P C Vinodkumar	$B-\bar{B}$ mixing parameter using CPPv model	Proceedings of science	International	PoS (QNP 2012) 096	---	April 2012
Ajay Majethiya, Kaushal Thakkar and P C Vinodkumar	Electromagnetic transition properties of $\Delta \rightarrow N\gamma$ in a hypercentral scheme	Chinese Physics C	International	36 (5)	385	May 2012
Manan Shah, Arpit Parmar and P C Vinodkumar	Leptonic and digamma decay properties of S-wave quarkonia states	Physical Review D	International	86	034015	August 2012

Manan Shah, Arpit Parmar, Kaushal Thakkar and P C Vinodkumar	Status of $\psi$ (3686), $\psi$ (4040), $\psi$ (4160), Y (4260), $\psi$ (4415) and X(4630) charmonia like states	Proceedings of science	International	PoS (Confinement X) 329	---	October 2012
Kaushal Thakkar and P C Vinodkumar	Nucleon electromagnetic form factors in hypercentral quark model	AIP conference proceedings	International	1536	1097	February 2013
K. K. Patel, K. D. Patel, Mayur Patel, Keyur S. Hingarajiya, V.M. Pathak	Investigations On Tin Selenide Thin Film Based Schottky Barrier Diodes By I-V-T Method	Advanced Materials Research (2013)	International	Vol. 665	297-301	February 2013
Vishal N. Pathak, Prashant Mistry, Mayur Patel, Keyur Hingarajiya, G.K.Solaki, V.M.Pathak and K.D.Patel	Characterization of SnSePb0.1 thin films deposited by flash evaporation technique	Advanced Materials Research (2013)	International	Vol. 665	311-316	February 2013
S. H. Chaki, M.P. Deshpande, Jiten. P. Tailor, Mahesh D. Chaudhary, Pallavi N. Sakariya.	Electrical transport properties study of $\text{Mo}_{0.6}\text{W}_{0.4}\text{Se}_2$ single crystals.	56 <sup>th</sup> DAE-Solid State Physics symposium 2011, AIP Conference Proceedings	National	1447	987-988	2012
M.P. Deshpande, M.N. Parmar, Nilesh N. Pandya, Sunil Chaki, Sandip. V. Bhatt	Studies on transport properties of copper doped tungsten diselenide single crystals	Physica B	International	407	808-812	2012
Bindiya H. Soni, M. P. Deshpande, Sandip V. Bhatt, Sunil H. Chaki and Vasant Sathe	X-ray diffraction, X-ray Photoelectron spectroscopy and Raman spectroscopy of undoped and Mn doped ZnO nanoparticles prepared by Microwave irradiation.	Journal of applied Spectroscopy	International	79	907-912	2012

Sunil Chaki, M.P. Deshpande, Jiten. P. Tailor, M. D. Chaudhary, Kanchan Mahato	Gel growth and characterization of ADP single crystals.	American Journal of Condense Matter Physics	International	2(1)	22-26	2012
Sunil. H. Chaki, M.P. Deshpande, Kanchan Mahato, , M. D. Chaudhary , Jiten. P. Tailor	Synthesis and characterization of CuS nanowhiskers.	Advance Science Letter	International	17	162-166	2012
M.P.Deshpande, S. Chaki, Nilesh N. Pandya ,Pallavi Sakariya, Sandip. V. Bhatt	Study on transport properties of Bi <sub>2</sub> Se <sub>3</sub> single crystals grown by vapour phase technique	Synthesis and reactivity in inorganic metal-organic and Nano-metal chemistry (Taylor & Francis).	International	42	1418-1425	2012
Sunil .H. Chaki, M.P. Deshpande, Devangini .P. Trivedi, Jiten P. Tailor, Mahesh .D. Chaudhary, Kanchan Mahato	Wet chemical synthesis and characterisation of SnS <sub>2</sub> nanoparticles.	Applied Nanoscience	International	DOI:10.1007/s13204-012-0123-7	---	2012
Sunil .H. Chaki, M.P. Deshpande, J. P. Tailor, , K.S. Mahato, M .D. Chaudhary	Wet chemical synthesis and characterization of MnS nanoparticles	Advance Material Research	International	584	243-247	2012
M. P. Deshpande, Nitya Garg, Sandip V. Bhatt, Bindiya Soni, S. H. Chaki	Study on CdSe Nanoparticles Synthesized by Chemical Method	Advance Material Research	International	665	267-282	2013
Sunil .H. Chaki, M.P. Deshpande, Mahesh. D. Chaudhary, and Kanchan .S. Mahato	Synthesis and charaterisation of tin monosulphide nanoparticles	Advance Science Engineering and Medicine	International	5	285-290	2013

Sunil .H. Chaki, M.P. Deshpande, M. D. Chaudhary, J.P. Tailor and K.S. Mahato	Synthesis and electrical transport properties of SnS nanoparticles.	57 <sup>th</sup> DAE-Solid State Physics symposium 2012. AIP Conference Proceeding	National	1512	966-967	2013
Sunil .H. Chaki, M.P. Deshpande, J.P. Tailor, M. D. Chaudhary, and K.S. Mahato	Study of surface microstructure and optical properties of as grown Mo <sub>0.6</sub> W <sub>0.4</sub> Se <sub>2</sub> single crystals	57 <sup>th</sup> DAE-Solid State Physics symposium 2012. AIP Conference Proceeding	National	1512	822-823	2013
M.P. Deshpande, Sandip V. Bhatt, Vasant Sathe, Bindiya H.Soni, Nitya Garg, Sunil .H. Chaki	Raman scattering in 2H-MoS <sub>2</sub> single crystal.	57 <sup>th</sup> DAE-Solid State Physics symposium 2012. AIP Conference Proceeding	National	1512	808-809	2013
N. K. Bhatt, A. B. Patel, A. Y. Vahora, P. R. Vyas, B. Y. Thakore and A. R. Jani	Structural and Vibrational Properties of FeO using First-Principles	Advanced Materials Research	International	665	49 (2)	2013
Smruti J. Patel, A. Y. Vahoraa, B. Y. Thakore and A. R. Jani	Comparison of Certain Local Pseudopotentials and A New Proposal	Advanced Materials Research	International	665	70 (2)	2013
Mitesh Joshi, Manjul Kumar, P. N. Gajjar, B. Y. Thakore and A. R. Jani	Electrical Resistivity of liquid Al-Mg binary alloys	Advanced Materials Research	International	665	76 (2)	2013
P H Suthar, P N Gajjar, B Y Thakore, A R Jani	Study of phonon modes and elastic properties of Sc <sub>36</sub> A <sub>124</sub> Co <sub>20</sub> Y <sub>20</sub> and Gd <sub>36</sub> A <sub>124</sub> Co <sub>20</sub> Y <sub>20</sub> rare-earth bulk metallic glasses	Journal of Physics: Conference Series	International	423	012030 (4)	2013

G.K.Solanki, K.D.Patel, N. N. Gosai and Yunus Gafur Mansur.	Electrical and Illumination Dependant PEC Solar Cell Parameters for SnSe <sub>0.5</sub> Te <sub>0.5</sub> Single Crystals.	International Journal of Photonics,	International	4(1)	1-13	2012
G.K.Solanki, K.D.Patel, N.N.Gosai & Ruchita R.Patel	Thermal parameters of direct vapour transport (DVT) technique grown GeSePb <sub>02</sub> single crystals	International J. Advances in Thermal sciences and Engineering	International	3 (1)	19-27	January-June 2012
G.K.Solanki, K.D.Patel, N.N.Gosai & Ruchita R. Patel	Growth and thermal properties of GeSePb <sub>0.4</sub> single crystals	American Institute of Physics (AIP) Conference Proceedings	International	1447	1063-1064	June 2012
Solanki G.K., Patel K.D., Gosai N.N. & Vimal Patel	Growth and electrical characterization of GeSeFe <sub>0.02</sub> single crystals	Research Journal of Chemical Science	International	2(9)	30-36	September 2012
Solanki G.K., Patel K.D., Gosai N.N. & Patel Rahul B.	Growth and dielectric properties of SnSe <sub>0.5</sub> Te <sub>0.5</sub> crystals	Research Journal of Chemical Science	International	2(10)	1-4	October 2012
G.K.Solanki, Dipika B. Patel, K.D.Patel, N.N.Gosai, Yunus Gafur Mansur	Growth and dielectric properties of DVT grown GeS <sub>0.25</sub> Se <sub>0.75</sub> single crystals	Physical Chemistry	International	2 (5)	67-72	2012
J.R. Gandhi, K.D. Patel and G.K. Solanki	Structural and Electrical Properties of ZnTe Thin Films Deposited at Various Substrate Temperatures	Advanced Materials Research	International	665	80-84	February 2013
N. N. Gosai, G. K. Solanki, K. D. Patel, & Keyur S. Hingarajiya	Structural and Thermal properties of Cu doped Nanocrystalline Tin Selenide	Advanced Materials Research	International	665	15-21	February 2013
S K Mahatha, K D Patel and Krishnakumar S R Menon	Electronic structure investigation of MoS <sub>2</sub> and MoSe <sub>2</sub> using angle-resolved photoemission spectroscopy and ab initio band structure studies	J. Phys.: Condens. Matter	International	24(47)	5	October 2012
G.K.Solanki, Dipika B. Patel, Yunus Gafur Mansur and N.N.Gosai	Growth and dielectric properties of Germanium Selenide single crystals	Recent Trends in Functional Materials Research conference Proceeding	National	3 (1)	38-39	April 2012

G.K.Solanki, Y.A.Patel & M.K.Agarwal	High pressure studies of as grown $WX_2$ single crystals	Institute of Physics (IOP) Journal of Physics, Conference Series	International	377	012017	August 2012
Ruchita R. Patel, G. K. Solanki, N.N.Gosai, & Rahul B. Patel	DVT Grown GeSe Single Crystals and Their Thermal Parameters in N <sub>2</sub>	Advanced Materials Research	International	665	8-14	February 2013
G. K. Solanki, Dipika B. Patel, Sandip Unadkat, N. N. Gosai & Yunus Gafur Mansur	Growth, Structural and High Pressure Study of $GeS_{0.25}Se_{0.75}$ and $GeS_{0.75}Se_{0.25}$ Single Crystals	Advanced Materials Research	International	665	37-42	February 2013
Rahul B. Patel, G. K. Solanki, Vimal M. Patel, N. N. Gosai, Ruchita R. Patel & Yunus Gafur Mansur	Growth and Optical Characterization of DVT Grown $SnSe_{0.5}Te_{0.5}$ Single Crystals	Advanced Materials Research	International	665	29-36	February 2013
A. B. Patel, S.G. Khambholja, N.K. Bhatt, B.Y. Thakore, P.R. Vyas and A. R. Jani	The Temperature Dependent Collective Dynamics of Liquid Sodium	AIP Conference Proceedings	International	1447	571-572	2012
B.Y. Thakore, , A.Y. Vahora, S.G. Khambholja, N.K. Bhatt and A. R. Jani	Pressure Induced Structural Phase Transition in SrS	Journal of Physics, Conference Series	International	377	012064 (04)	2012
A. B. Patel, N.K. Bhatt, B.Y. Thakore, and A. R. Jani	Frequency Moments and Elastic Moduli of Liquid Rubidium at Different Temperatures	AIP Conference Proceedings	International	1536	589-590	2013
R.H. Joshi, A. B. Patel, N.K. Bhatt, B.Y. Thakore, and A. R. Jani	Shock Hugoniot and High Pressure Melting Curve for $CaF_2$	AIP Conference Proceedings	International	1536	841-842	2013



T.K. Pathan, A. B. Patel, N.K. Bhatt, B.Y. Thakore, and A. R. Jani	Phonon Dispersion of Noble Metals: Copper as a Prototype	AIP Conference Proceedings	International	1536	425-426	2013
M.V. Vaghela, A.Y. Vahora, N.K. Bhatt, B.Y. Thakore, and A. R. Jani	Concentration Dependence of Pair Correlation Function and Bulk Modulus of Liquid $Al_xCu_{1-x}$ alloys	AIP Conference Proceedings	International	1536	637-638	2013
A.Y. Vahora, Prakruti Chaudhari, N.K. Bhatt, B.Y. Thakore, and A. R. Jani	Phase Transition and Shock Hugoniot of MgO Using Tight-Binding Model	AIP Conference Proceedings	International	1536	421-422	2013
N.K. Bhatt, A. B. Patel, A.Y. Vahora, P.R. Vyas, B.Y. Thakore, and A. R. Jani	Structural and Vibrational Properties of FeO Using First-Principles	Advanced Materials Research	International	665	49-52	2013
B.Y. Thakore, S.G. Khambholja, A.Y. Vahora, N.K. Bhatt, and A. R. Jani	Thermodynamic Properties of 3C-SiC	Chinese Physics B	International	22	106401 (07)	2013

### (B) ECONOMICS SCIENCES

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

No.	Departments	International	National	State
1.	Business Studies	6	14	--
2.	MBA	4	4	--
3.	Economics	2	3	--
	<b>Total</b>	<b>12</b>	<b>21</b>	

**DEPARTMENT OF BUSINESS STUDIES**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Dr. C.K.Sonara	Corporate Environmental Accounting and Reporting: An Empirical Study of Selected Companies in India	Indian Journal of Accounting Journal of Indian Accounting Association	National	ISSN– 0972-1479 Vol.XLIII(1)	15-30	December 2012
	Valuation and Reporting Practices of Human Resource Accounting in India	Corporate Disclosure in India	National	ISBN – 978-93-5030-095-4	42-50	2013
	Corporate Governance: A Case Study of IOCL in India	Current Issues in Corporate Governance	National	ISBN – 978-93-5030-096-1 Vol. 1.	243-252	2013
Dr. P.R.Sheth	Value Creation and Value Addition Through Good Corporate Governance	Corporate Disclosure and Investors Perception	National	ISBN – 978-93-5030-153-1 Vol. 2	99-107	2013
	Corporate Governance: Ethical Dilemmas for HR Managers	Current Issues in Corporate Governance	National	ISBN – 978-93-5030-096-1 Vol. 2	232-237	2013
Dr. Y M Dalvadi	Measurement of Financial Health Using Z-Score: A Study of Selected Worst Performer Companies in India	Prabandh Gyan International Journal of Management (ISSN 2319-6351).	National	Issue: March 2013	Page: 35-43	March 2013
	Corporate Governance Reporting Practices: Evidence from Selected IT and Hotel Companies- A Comparative Approach	Research Scholar, A peer refereed Quarterly Inter Disciplinary Research Journal(ISSN 2249-6696)	National	Vol II No IV	Page: 32-38	December 2012
Dr. Y M Dalvadi Tejas Gandhi	Measurement of environmental reporting practices of the selected index based companies: An integral part of triple bottom line reporting	Global Journal of Research in Management (Peer reviewed, Listed in Cabell's Directory) (ISSN: 2319-8915).	International	Vol 2 No. 2	Page.41-57	December 2012

Dr. Y M Dalvadi	Non Statutory Disclosure by Indian Companies: A Study of awareness and perception of Investors	Research Zone India, A Journal of Multidisciplinary(ISSN 2319-8168)	National	Vol 1 No:1	22 to 24	December 2012
	Tools available to enterprise for Risk Management: An Simplified Approach	Research Zone India, A Journal of Multidisciplinary (ISSN 2319-8168)	National	Vol 1 No:1	35-38	December 2012
	Impact of Merger on Operating Results: A Study of Selected Corporate Merger in India	Global Research Review, A peer reviewed Bi-annual Research Journal of Finance and Management(ISSN 2250-2521)	International	Vol II No II	95-108	December 2012
Dr. Y M Dalvadi	Impact of Foreign Institutional Investment on Stock Market Index: An Empirical Study	International Journal of Economics & Management Thoughts ISSN No: 2229-3736).	International	Vol 3 No.1	56-60	April 2012
Dr. Y M Dalvadi Mr. Sarfaraj Mansuri	Tax Awareness and Tax Planning Among Individual Assessee: A Study	Radix International Journal Of Banking, Finance And Accounting (ISSN: 2277- 100X )	International	Volume 1, Issue 9	91to104	September 2012
Dr. Y M Dalvadi Anu Verma	Impact, Management and Disclosure of Foreign Exchange Risk by selected I.T. Companies of India	Global Research Journal of Commerce, Finance and Business Management(ISSN: 22790802)	International	Volume I, Issue 1	Pages 38to47	September 2012
Dr. Y M Dalvadi Tejas Gandhi	Triple Bottom Line Reporting: Let's Give a Push	Indian Journal of Accounting, a bi-annual research journal of Indian Accounting Association(ISSN-0972-1479)	National	Volume: XLII (2)	61 to 67	June 2012

Dr. Y M Dalvadi Anuj Bhatia	Financial Innovation by Financial Services Companies: An Exploratory Study	International Journal of Marketing, Financial Services & Management Research, A Double Blind Reviewed Refereed Journal(ISSN: 2277- 6788)	International	April-June Issue	Page 74-82	June 2012
Ms..Darshana Rohit	Crabon Credit: Saving The Planet From Global Warming	Corporate Disclosure & Investor Protection, Oxford Book Company, Jaipur, New Delhi. Isbn 978-93-5030-153-1	National	Volume-2 Paper No-23	---	2013
Ms.Darshana Rohit & Ms.Sangita Prajapati	Corporate Governance: The Changing Dimensions In Indian Banks	Current Issues In Corporate Governance, Oxford Book Company, Jaipur, New Delhi. Isbn 978-93-5030-096-1	National	Volume-2, Paper No-35 Page 278.	---	2013
Ms.Sangita Prajapati & Ms.Darshana Rohit	Current Governance: A Global Scenario Of Corporate Tsunami	Current Issues In Corporate Governance, Oxford Book Company, Jaipur, New Delhi. Isbn 978-93-5030-096-1	National	Volume-1, Paper N0-22, Page-194	---	2013
Ms.Sangita Prajapati & Ms.Darshana Rohit	Ifrs:A Global & Indian Perspective Of Reporting Standards.	Single Accounting For The World Economy, Oxford Book Company, Jaipur, New Delhi.Isbn 978-93-5030-153-4.	National	Volume-1, Paper-20, Page No-144.	---	2013

**DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Prof R. P. Patel Mr. Kaushal Kishore	“Petro-Retailing Operation in India: A Study of New Growth Strategy under the Influence of Changing Environment and Government Policies.”	Edited book “Management Perspective: strategies for business Continuity, Growth and Sustenance”	National	ISBN: 978-93- 82062-53-0) Excel India Publisher, New Delhi	234-241	September 2012
Prof R. P. Patel Mr. Mukarm Khan	“Role of print media in the Use of Promotional offers”	Platinum (ISSN: 2231- 0096)	National	Volume 2, Number 3, July- September 2012	43-46	July – September 2012
Prof R. P. Patel Ms. Praneti Shah.	A paper “Ethnicity Store Format: A revolutionary Retail Move Towards Indian Legacy”	“Pacific Business Review- International” (ISSN: 0974-438X)”-	International	Volume 5, Issue : 5	01-12.	November 2012
Prof. Darshana R. Dave, Dr. Ruchi Tiwari	Corporate Social Responsibility: Communication through Sustainability Reports by Indian and Multinational Companies	Global Business Review	International	Vol. 13, No. 3	393 -406	October 2012
Prof Yogesh C Joshi Pandya Falguni H.	”Commodity Market: An Empirical Analysis with respect to Equity Market and Inflation”	SIBAR Journal	---	ISSN No. 0975- 9964Vol. 3,	---	January- December 2012
Prof Yogesh C Joshi Mrs.Pandya Falguni H.	“Constructing an Optimal Portfolio using Sharpe’s Single Index Model”	Journal of Research in Technology and Management, Dharmsinh Desai University	---	ISSN No. 2278- 3121Vol. 1, Issue 1	---	January – June 2012
Prof Yogesh C Joshi Mrs.Pandya Falguni H.	“Fiscal Incentives and SEZs Performance in India”	Gujarat National Law University Journal	---	---	---	2012
Prof Yogesh C Joshi Mrs,Pandya Falguni	“An Impact Assessment of Micro Finance in India”	”, Mittal Publication New Delhi	---	---	---	2012
Prof Yogesh C Joshi Mrs,Pandya Falguni	“Are IPOs underpriced?: An Empirical Evidence from India	Submitted to Pacific Business Review	---	---	---	2012

Prof Yogesh C Joshi Mrs,Pandya Falguni H	“The Market Reaction to Stock Splits: Evidence from India”	Apotheosis Journal.	---	ISSN No. 2319- 5576	---	2012
Prof Yogesh C Joshi Mrs,Pandya Falguni H	“Fiscal Deficits and Debt Dynamics in India”	Decision Journal	---	---	---	2012
Dr. Raju Rathod Mr. Bhautik Patel	An empirical study on Rural Consumers’ Perception towards Trade Fair as a Marketing Tool	International Journal in Commerce, Economics and Management	International ISSN 2231- 4245	vol.2, issue no.8	89-96	August 2012
Dr. Raju Rathod Bhavna Parmar	Impact of Television Advertisements on Children: An Empirical Study with Reference to Chocolate Brands	Pacific Business Review International- A Referred Monthly International Journal of Management	International- ISSN: 0974- 438X	Vol.5	85-95	November 2012
Dr. Raju Rathod Mr. Tarun Vaghela	A Study on Awareness and Financial Problem of Small Scale Units of Vithal Udognagar GIDC	Prajna - Journal of Humanities, Social Science and Business Administration	National 2250-0901	vol.14	125-132	December 2012
Dr. Raju Rathod Mr. Bhautik Patel	Role of Movie Review: A study with reference to Rural and Urban Youth	GIT Journal of Engineering and Technology	National 2249-6157	Vol. 6	---	2013

### DEPARTMENT OF ECONOMICS

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr.D.G.Ganvit	Reforms Incidence of Poverty and Employment in India	Indian journals of Applied Research	National	Vol.No.-1Issue No.8	60-62	May2012
	The Development of Chemical and Petro Chemicals industry in Gujarat	Indian journals of Research Paripex	National	Vol.No.-1 Issue No.5	45-46	May 2012
	Sardar Sarovar Project: Employment and Other Aspects.	Abhivyakti	National	Year-6, Issue, No-7	69-74	September October 2012
Sonal Bhatt	“How does Participatory Irrigation Management Work? A Study of	Water Policy, published by IWA Publishing UK	International	Vol. 15, No.2	223-242	February 2013

	selected water users' associations in Anand district of Gujarat, western India"	for World Water Council.				
Dr. Manish R. Patel	Economics of Ecotourism :A case study of dang district.	(e- journal) RET Academy For International Journal Of Multidisciplinary Research (RAJMR), ISSN-2320-0901	International	vol-2,Issue-2	---	February 2013

### (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

No.	Departments	International	National	State
1.	Education	1	--	--
2.	Library & Informaiton Science	1	--	1
3.	Social Work (MSW)	12	8	--
4.	Political Science	--	1	--
5.	Psychology	3	5	1
6.	Sociology	--	5	--
	<b>Total</b>	<b>17</b>	<b>19</b>	<b>2</b>

### DEPARTMENT OF EDUCATION

Author(s)	Title	Journal	International/ National/ Regional/ Local	Vol.No. and Issue No.	P.P.	Month & Year
Dr. Pallavi P. Patel	A study of Intelligence & ach-motivation of higher secondary school students of Anand District	Journal of Education & Psychology	International	Vol.68 No.1-2	---	April

**DEPARTMENT OF LIBRARY & INFORMATION SCIENCE**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol. No. and Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Prof. U. A. Thaker	“Parab Suchi” Annual Bibliography -2012-13	PARAB	Regional	Dec-2012		December 2012
Prof. U. A. Thaker & Dr. N. D. Oza	Institutional Repository: An effective tool for knowledge management	SRELS Journal of Information Management	International	Oct-2012	507-516	October 2012

**DEPARTMENT OF SOCIAL WORK (MSW)**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Dr. S.D.Mishra	Small Scale Industries: Striving and Thriving in the Era of Globalization.	International Journal of Enterprise Computing and Business System ISSN 2230-8849	International	Vol.2, No. 2.	---	July 2012
	Tri-variate Analysis Of Organizational Culture, Leadership and Organizational Effectiveness: An Exploratory Study.	International Journal of Scientific and Research Publications ISSN 2250-3153	International	Vol.2, No. 7	8-12	July 2012
Mr.Jeet Shah & Dr. S.D.Mishra	Marital Adjustment among Working Couples: Some Preliminary Evidence.	International Journal of Social Science and Management ISSN 2251-1571	International	Vol. 2 No: 4	52-56	August 2012
Mr.Narendra Vasava & Dr. S.D.Mishra	Youth and Sustainable Development: An Exploratory Study undertaken to understand involvement of youth in enhancement in Sustainable Development	International Journal of Social Science Tomorrow ISSN 2277-6168	International	Vol. 1 No:5	1-7	July 2012



Mr.Mathav Hathi & Dr. S.D.Mishra	Understanding Parent Child Relationship With reference to Academic Performance: A Study undertaken in selected schools of Anand City Gujarat:	Asian Journal of Research in Social Science and Humanities ISSN 2249-7315	National	Vol. 2 Issue 8	188-193	August 2012
Mrs.S.R.Prabhakar &Dr. S.D.Mishra	EQ: A Path to Capacity Building	Journal Schools of Social Work	National	---	---	2012
Mrs.Priya Sinoj & Dr. S.D.Mishra	Status of Maternal Health and its Service in Gujarat : Some Observation	International Journal of Social Science & Interdisciplinary Research, ISSN 2277 3630	International	Vol.1 Issue 9,	90-98	September 2012,
Dr.S.D.Mishra & Mr. Shyam Inda	Quality of Work Life of Middle and Lower Level Employees Dr. Shivani Mishra and Shyam Singh Inda.	Journal of RESEARCH, EXTENSION AND DEVELOPMENT, ISSN: 2319-1899	National	Vol. 1 No. 5	73-77	January 2013
	A Study on Motivational Climate and its relation with Productivity	International Journal of Human Resource Management and Research (IJHRMR) ISSN 2249-6874	International	Vol. 3, Issue 1	137-152	March 2013
Miss Sadhana Adhikary & Dr. Bigi Thomas	Life – Challenges: Parent’s Role in Preparing Children	Journal of School Social Work	National, ISSN: 0976-3759	Vol.8, (12)	19-20	May 2012
	Preventing Parent Abuse	Journal of School Social Work	National, ISSN: 0976-3759	Vol.9, (1)	12-14	June 2012
Dr. Bigi Thomas& Miss Sadhana Adhikary	Male Migration: Dynamics, Issues and Difficulties of Left Behind Families.	Asia –Pacific Journal of Social Sciences	International, ISSN: 0975-5942	Vol.IV(1)	109-130	January- June 2012
Dr. Bigi Thomas& Dr. S.D.Mishra	Fertility Behaviour of Women: Is Son Preference Still a Proximate Factor?	International Journal of Social and Economic Research, ,	International, ISSN: 2249-6270	Volume.2, Issue 2	419-426	July-December 2012,
Mr. Margit Patel & Dr. Bigi Thomas	A Study on the Socio-Economic Difficulties Faced by the Mothers of Specially Abled Persons	International Journal of Social Science Tomorrow[IJSST]	International, ISSN: 2277-6168	Vol.1, No.5	01-04	July 2012

Dr. Bigi Thomas & Miss Ruby Bhatia	Impact of NREGA Scheme: A Study on the Overall quality of life of Its Beneficiaries.	Asia –Pacific Journal of Social Sciences	International, ISSN: 2249-6270	Vol. IV(2)	213-227	July-December 2012
Dr. Bigi Thomas & Miss Sadhana Adhikary	Gender Aspects in Education: Evidences from a Tribal District in Gujarat	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. xxxix (No.1)	38-61	January-June 2013
Dr. S. Prabhakar	School and family bonding: the module for young mind development in contemporary society	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 7 <sup>th</sup> 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

#### DEPARTMENT OF POLITICAL SCIENCE

Author(s)	Title	Journal	International/ National/ Regional/ Local	Vol.No. and Issue No.	P.P.	Month & Year
Prof. Baldev Agja	“Sansadiya Lokshaima Mahilaoni Bhagidari”	PRAJNA	National	Vol. 14 Annual	99	December 2012

**DEPARTMENT OF PSYCHOLOGY**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Pankaj S. Suvera	A Comparative study of the occupational stress among LIC and Bank employees	Journal of Psychology for learning and research Gujarat Manoviyan Darshan.	National	Vol. : 7 Issue- II	36-42	April 2012
	Psychological Well-being: A study of Institutionalized and Non-Institutionalized aged	Asian Journal of Research in Social Science & Humanities	International	Vol. : II Issue : IV	69-74	April 2012
	Psychological Well-being: A Comparative study of Arts and Science College Students	Indian Journal of Community Psychology	National	Vol. : VIII Issue : II	316-320	September 2012
	Occupational Stress: A Comparative study of Bank and Hospital (Nurses) employees	Pragna, Journal of Humanities, Social Science and Business Administration	Local	Vol. : XIV	91-98	December 2012
	A Comparative study of the Psychological Well-being among graduate and Post-graduate Students	Journal of Psychology for learning and research Gujarat Manoviyan Darshan.	National	Vol. : X Issue : XIV	106-109	January 2013
	A Comparative study of Thalassaemia and Normal Children's Parents	Behavioural Research Review	National	Vol. : V Issue : I	13-17	March 2013
Dr.Suresh M. Makvana	A study of School Environment among School student"	e-Journal International Organizational Social Research (Journal of Humanities' and Social Science)	International Indexed & Listed Referred e-Journal IOSR (JHSS) ISSN-2279-0837	Vol.No.07 & Issu.05	Page No.52 to57	January- Febaruary- 2013
	Self Confidence Among School student	International Journal of Research in Social Sciences &	International Indexed & Listed Referred	Vol.No.01 & Issue.03	Page No.03 to 17	March-May 2012

		Humanities. (JRSSH)	e-Journal ISSN- 2249-4642			
	A study of Marital Adjustment Among Men and Woman	Reviewed book in “Indian Society issues and Problems”	National ISBN: 978-81-87364-49-8	Vol.No.02 Page	No.120 to 125	February- March 2013

### DEPARTMENT OF SOCIOLOGY

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. And Issue No.	P.P.	Month & Year
Dr.J.M. Trivedi	Globalization and changing caste and gender relations among educated youth in central gujara	Prajna	National ISSN NO 2250-0901	14-dec 2012	55-59	December 2012
	Social science research: perspectives problems and prospects	Arvallino tahuko	National ISSN NO 2277-7598	YEAR 6 ISS- 6	03-09	December 2012-13
	Plurality in Indian diaspora: a case of patidar diaspora in USA	VNSGU Journal	National ISSN NO 0975-637X	Vol 4 no 1	---	July 2013
Dr. P.M. Parmar	One more Mahabhinish- Kraman	Prajna	National	Vol-14	68-73	December 2012
Dr. I.M.Macwan	Contribution of NRI'S in regional development	Indian diaspora in national and regional context	National	978-93-81386-06-4	---	2012

### (D) LANGUAGES

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

No.	Departments	International	National	State
1.	English	1	1	2
2.	Gujarati	--	1	2
3.	Hindi	1	11	3
	<b>Total</b>	<b>2</b>	<b>13</b>	<b>7</b>

**DEPARTMENT OF ENGLISH**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>International/ National/ Regional/ Local</b>	<b>Vol.No. and Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Dr J H Khan	The Nature and Scope of Literary Research	The Indian Journal of English Studies (The Official Publication of Indian Association for English Studies)	National	Vol.L, 2013 (ISSN awaited)	97-114	January 2013
	Radical Feminism in Kamala Das's Poetry	The Commonwealth Review (Special No. on Diversity in Commonwealth Literature)	International	Vol.XXI, No.1, 2012 (ISSN: 0974-0473)	96-134	December 2012
Mr M R Solanki	Flaubert's Parrot: Postmodern Histrionography/Histrionographical Meta-fiction	Prajñā: Journal of Humanities, Social Sciences, and Business Administration	Local	Vol.14 (ISSN: 2250-0901)	37-42	December 2012
Mr P B Raval	The Afterlife of Antigone	Prajñā: Journal of Humanities, Social Sciences, and Business Administration	Local	Vol.14 (ISSN: 2250-0901)	43-54	December 2012

**DEPARTMENT OF GUJARATI**

<b>Author(s)</b>	<b>Title</b>	<b>Journal</b>	<b>Status International/ National/ Regional/ Local</b>	<b>Vol.No. And Issue No.</b>	<b>P.P.</b>	<b>Month &amp; Year</b>
Param Pathak	Meghanini Sarjaktanu Tridal	Prajna	National	2250-0901	24-30	December 2012

	LokKatha Adilokthi Internet Suthi	Parivesh	Regional	Issn 2319-1872 2:1	75-81	January-February 2013
	LokKalavid Has	V-Vdyanagar	Regional	Issn:0976-	30	March 2013

### DEPARTMENT OF HINDI

Author(s)	Title	Journal	Status International/ National/ Regional/ Local	Vol.No. And Issue No.	P.P.	Month & Year
Dr. D.S.Tripathi	Asadyavina...Sangharsh	Samved	National Issn.223-3885	Ank. 7, Y-4	Delhi 282-276	July 2012
	Sharm Sanskriti.. Kedarnath Agraval	Khoj	National Issn. 2231-4458	Ank – 10	Lacknow 37-48	July-September 2012
	Akath Kahani Prem Ki Katha Akatha	Alochana	National 2231-6329	Ank – 46	New Delhi	July-September 2012
	Maujuda Samaj Sahitya Aur Atankvad	Pranjana	Local 2250-0901	Ank – 14 Year-14	V.V.Nagar	Dece. 2012
	Swatantryottar.. Gram Kendrit Upanyas	Sahity Vithika	Local 2319-6513	Ank-1 Year-1	V.V.Nagar	December 2012
	Premchand Aur Pannalal..... Samajik Sarokar	Vasudha	National 2231-0460	Ank – 1 Year-9	Bhopal 99-108	January-March 2013
	Dinkar Ka Sanskritik Chintan	Panchshil Shodsamiksha	National Issn-0975-2587	Ank – 19 Year – 5	Jaipur 76-85	January March 2013
	Deshaj Adhunikata Ka Rang; Dub	Samved	National	Ank – 1 Year - 5	Delhi 154-160	January 2013
Dr. M.M.Sharma	Agyeva Ki Kavita Vivekanand..	Book	National	---	---	2012
	Vivekanand....	Bulletin	Regional	---	---	July 2012

Dr. H.M.Parmar	Suto Va Sutputrova Aur Karn	Samay Aagam	National	Vol – II Year – 4	---	August 2012
	Nagarjun Ka Kavya	Sodharnav	International	Year- 7 Vol. 02	---	December 2012.
	Ashru Purit Sandhi Patra Ki Vivashta Ka Adhunik Akhyan : Ao Pepe Ghar Chale	Pragan	National	Year – 6 Vol. 1	---	February 2013
	Badal Ko Ghirate Dekha Hai : Ek Ashwad	Samay Aagam	National	Year – 6 Vol. 1	---	February 2013
Dr. S.R.Rathod	Bhasha Ke Prachar-Prasar Mein Midia Ka Yogdan	Book	National	Vol – 1		2013

**(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**

No.	Departments	No. of Books
1.	Bioscience	1
2.	Computer Science	5
		<b>6</b>

**DEPARTMENT OF BIOSCIENCES**

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr. A.V.R.L.N. Acharaya	Mukesh H. Koladiya, A.V.R.L. Narasimhacharya and Geeta Padate	Avifaunal diversity on urban area: a case study in Vallabh Vidyanagar.	---

**DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY**

<b>Name of the Author(s)</b>	<b>Title of the Book</b>	<b>Name and place of the Publisher</b>	<b>Date of Publication</b>
Shah, S.M., Sajja Priti Srinivas and Smart, J.V.	“Computer studies”	Gujarat State Board of School Textbooks, Gandhinagar, Gujarat,India	February 2013
Sajja Priti Srinivas and Akerkar, R.A.	“Intelligent technologies for web applications”	CRC Press (Taylor & Francis Group), Boca Raton, FL, USA	May 2012
Sajja Priti Srinivas and Akerkar, R.A.	“Mining sentiment using conversation ontology”, in Patricia Ordóñez de Pablos, Héctor Oscar Nigro, Robert Tennyson, Sandra E. González Císaro and Waldemar Karwowski (Eds.), Advancing Information Management through Semantic Web Concepts and Ontologies, Chapter 16, pp.302-315	IGI Global Book Publishing, Hershey, PA, USA	November 2012
Mankad, K.B. and Sajja Priti Srinivas	“Measuring human intelligence by applying soft computing techniques: A genetic fuzzy approach”, in Naidenova XA & Shagalov VL (Eds.), Diagnostic Test Approaches to Machine Learning and Commonsense Reasoning Systems, Chapter 6, pp.130-155	IGI Global Book Publishing, Hershey, PA, USA	July 2012
Sagar Patel, Kalpesh Anjaria and Hetalkumar Panchal	Leguminous Trees In Anand District” Collection and Analysis with Bioinformatics Applications	Lambert Academic Publishing (LAP)	12 October 2012

**(B) ECONOMICS SCIENCES**

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

<b>No</b>	<b>Departments</b>	<b>No. of Books</b>
1.	Business Studies	12
2.	MBA	04
	<b>Total</b>	<b>16</b>



**DEPARTMENT OF BUSINESS STUDIES**

<b>Name of the Author(s)</b>	<b>Title of the Book</b>	<b>Name and place of the Publisher</b>	<b>Date of Publication</b>
Dr. P. K. Rathod	Single Accounting for the World Economy	Oxford Book Company, Jaipur	2013, ISBN: 978-93-5030-152-4.)
	Current Issues in Corporate Governance	Oxford Book Company, Jaipur	2013, ISBN: 978-93-5030-096-1. (VOI-1.)
	Current Issues in Corporate Governance	Oxford Book Company, Jaipur	2013, ISBN: 978-93-5030-096-1. (VOI-2.)
	Corporate Disclosure and Investors Perception	Oxford Book Company, Jaipur	2013, ISBN: 978-93-5030-153-1. (VOI-1.)
	Corporate Disclosure and Investors Perception	Oxford Book Company, Jaipur	2013, ISBN: 978-93-5030-153-1. (VOI-2.)
	Corporate Disclosure in India	Oxford Book Company, Jaipur	2013, ISBN: 978-93-5030-095-4.
Prof.(Dr.) Sandip K. Bhatt	Single Accounting for The World Economy	Oxford Book Company, Jaipur.	2013, ISBN: 978-93-5030-152-4.
	Current Issues in Corporate Governance	Oxford Book Company, Jaipur.	2013, ISBN: 978-93-5030-096-1. VOI-1.
	Current Issues in Corporate Governance	Oxford Book Company, Jaipur.	2013, ISBN: 978-93-5030-096-1. VOI-2.
	Corporate Disclosure and Investors Perception	Oxford Book Company, Jaipur.	2013, ISBN: 978-93-5030-153-1. VOI-1.
	Corporate Disclosure and Investors Perception	Oxford Book Company, Jaipur.	2013, ISBN: 978-93-5030-153-1. VOI-2.
	Corporate Disclosure in India	Oxford Book Company, Jaipur.	2013, ISBN: 978-93-5030-095-4.

**DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)**

<b>Name of the Author(s)</b>	<b>Title of the Book</b>	<b>Name and place of the Publisher</b>	<b>Date of Publication</b>
Prof. Darshana R. Dave, Chaitanya Vyas	Permission Marketing-Awareness, Perceptions and Preferences in Gujarat	Published by Lambert Academic Publishing, Germany	2012
Prof. Darshana R. Dave, Dr. Maysoon Abdul Kareem	E - Book titled "Organisation effectiveness in Higher Education": An Iraq Perspective	Published by Lambert Academic Publishing	2012

Prof. Darshana R. Dave, Prof. P.K.Priyan	Book titled "Incubation Centers and Development of Techno – entrepreneurship Indian Scenario	Published by Lambert Academic Publishing	2012
Prof. Darshana R. Dave, Dr. Chaitanya Vyas	Book titled "Publishing in High Impact Management Journals Tips for Beginners	Humming Words Publishers	2012

### (C) SOCIAL SCIENCES

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

No.	Departments	No. of Books
1.	Library & Information Science	01
2.	Social Work (MSW)	03
3.	Psychology	01
4.	Sociology	04
	<b>Total</b>	<b>09</b>

#### DEPARTMENT OF LIBRARY & INFORMATION SCIENCE

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Prof. U. A. Thaker	Role of Library in Digital Era	Agriculture University, Navsari	2012

#### DEPARTMENT OF MSW (SOCIAL WORK)

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr. Bigi Thomas	Male Migration: Impact, Consequences and Dynamics	Power Publishers, Power Publishers, Calcutta, ISBN: 978-93-81205-72-3	2012
Dr. S. Prabhakar	Endeavour to Outlast: Want of Social Diligence ISBN	Father Angelio, Anand Press, Anand	July. 2012
Dr. S. Prabhakar	Blockage of young minds at Crossroads in changing society ISBN	Authors International Press, New Delhi	November, 2012

#### DEPARTMENT OF PSYCHOLOGY

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Mukesh Bhatt & Suresh Makvana	A study of Marital Adjustment Among Men and Woman	Indian Society :Issue and Problems Gaytri Publication-Rewa -486001(M.P) India	Feb-March 2013

## DEPARTMENT OF SOCIOLOGY

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr. H.N.Patel	Sociology of Crime	University Granth Nirman Board, Ahmedabad	July 2012
Dr.R.M Makwana	Changing profile of tribal women leader in panchayat	Vista international publishing, new Delhi	2012
Dr. I.M.Macwan	Kinnaro – a sociological study	Brick publication	2013
	Sanogate mother & human rights (under process)	Brick publication	2013

## (D) LANGUAGES

### Publication of Books by the Teachers of Languages of Postgraduate Departments in 2012-13

No.	Departments	No. of Books
1.	Gujarati	02
2.	Hindi	04
3.	Sanskrit	01
	<b>Total</b>	<b>07</b>

## DEPARTMENT OF GUJARATI

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Dr. B.R. Brahmbhatt	Padarth Parva	Rannade prakashan	2013
	Abhavnu aeshwarya	Gurjar Prakashan	2013

## DEPARTMENT OF HINDI

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
DR. D.S. Tripathi	Kathakalp (Edited) Bhumika	Parshw Prakashan – Ahemdabad Isbn-978-93-82869-14-6	2013
	Bhartiya Cinema Ka Safarnama Samaj Sahitya Cinema	Atlantik Publication – New Delhi	2013
	Dalit Sahitya Aur Kavychintan (Interview On Balet Leterture)	Kanti Publication, Delhi Isbn.978-81-7312-094-7	2012
Dr. H.M. Parmar	Dalit Isai Aur Muslim Sandarbhon Ke Pariprekssya Mein Shailesh Matiyani Ke Kahaniyon Ka Adhyayan	Brick Publication, V.V.Nagar	Year – 2012

## DEPARTMENT OF SANSKRIT

Name of the Author(s)	Title of the Book	Name and place of the Publisher	Date of Publication
Prof. Dr. Niranjan Patel	Aubhashya	Parshva Publication, Ahmedabad	April, 2012

### (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, NDDDB, 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**

No	Name of the Department	Collaborative Research Work/Activities
1.	Physics	<b>Joint Research in Progress:-</b> ICU-DAE (Indore)
		<b>Mutual Visit :-</b> BARC, PRL
		<b>Joint Research Projects:-</b> DAE BRNS
4.	Gujarati	<b>Mutual Visit:-</b> Student exchange programme with Bhavnagar University

**3.4 ACADEMIC PROGRAMMES ORGANIZED AND PARTICIPATED**

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

**DEPARTMENT OF CHEMISTRY**

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

**DEPARTMENT OF MATHEMATICS**

Theme	Sponsors	Date	Place
Workshop VI on "An Art of Problem Solving in Mathematics" (State Level)	UGC-SAP-DRS	5-11, January-2013	Department of Mathematics, Sardar Patel University
National Seminar on "Analysis, Geometry and Applications".	UGC-SAP-DRS	6-7, March, 2013	Department of Mathematics, Sardar Patel University

**DEPARTMENT OF PHYSICS**

Theme	Sponsors	Date	Place
Jointly organized by Department and Physics Alumina Association	Self	December-2012	V. V. Nagar

**DEPARTMENT OF ECONOMICS**

<b>Theme</b>	<b>Sponsors</b>	<b>Date</b>	<b>Place</b>
National Seminar on “Human Development”	UGC-CAS Programme (2011-2016)	November 1-2, 2012	P.G. Department of Economics, Sardar Patel University, Vallabh Vidyanagar

**DEPARTMENT OF SOCIAL WORK (MSW)**

<b>Theme</b>	<b>Sponsors</b>	<b>Date</b>	<b>Place</b>
Human Rights in Contemporary India : Social Work Challenge	UGC 11 <sup>th</sup> Five year plan- Human Right Education	26-27 February, 2013	Vallabh vidyanagar

**DEPARTMENT OF POLITICAL SCIENCE**

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

**DEPARTMENT OF PSYCHOLOGY**

<b>Theme</b>	<b>Sponsors</b>	<b>Date</b>	<b>Place</b>
Communication of Research in Psychology	ICSSR	11 <sup>th</sup> – 12 <sup>th</sup> June, 2013	Vallabh Vidyanagar

**DEPARTMENT OF SOCIOLOGY**

<b>Theme</b>	<b>Sponsors</b>	<b>Date</b>	<b>Place</b>
Impact of Indian Diaspora-NRG	Center for Indian diaspora	9-10-Feb -12	---
Indian diaspora in India & Abroad	Center for Indian diaspora	17-18-Sept-13	---

**DEPARTMENT OF GUJARATI**

<b>Theme</b>	<b>Sponsors</b>	<b>Date</b>	<b>Place</b>
Translation and editing (national work shop)	National translation Mission, Mysore	25-31 july, 2012	M.P. Patel auditorium, V.V.Nagar
Folktales Research & editing (state level Seminar)	Zaverchand Meghani Loksahityakendra, Rajkot	2-3 Feb. 2013	M.P. Patel auditorium, V.V.Nagar
National Seminar on Manuscriptology	Gujarati Sahitya Akademi, Gandhinagar	25-26 Feb. 2013	M.P. Patel auditorium, V.V.Nagar

**(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**

No.	Department	International	National	State	Local
1.	Biosciences	01	06	01	---
2.	Chemistry	---	03	09	03
3.	Computer Science	---	02	05	71
4.	Electronics	---	---	---	03
5.	Mathematics	---	01	---	15
6.	Physics	---	01	06	04
7.	Business Studies	---	01	02	07
8.	MBA	---	---	02	07
9.	Economics	---	---	---	01
10.	Education	---	01	---	04
11.	History	---	---	02	10
12.	Library and Information Science	---	01	---	09
13.	Social Work (MSW)	---	---	---	03
14.	Political Science	---	---	01	---
15.	Psychology	---	---	---	02
16.	Sociology	---	---	01	04

17.	English	---	---	---	03
18.	Gujarati	---	---	---	04
19.	Hindi	---	04	03	07

#### DEPARTMENT OF BIOSCIENCES

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr. Amita Shah	Microbial exopolysaccharides	7-02- 2013	Department of Life Sciences, Sardar Vallabhbhai Patel Campus' Maharaja Krishnakumarsinhji Bhavnagar University Gaurishankar Lake Road, Bhavnagar - 364 002.	M.Sc. Microbiology
Dr.Datta Madamwar	Microbial ecology of polluted environment	September 21-22, 2012	Nabira Mahavidyalaya, Katol, India	Conference on 'Pharmacogenomics: Revolutionizing Personalized Medicines
	Molecular analysis of bacterial community structure to assess ecological impact of pollution	October 7-11, 2012	National Taiwan University of Science and Technology and National Taiwan University, Taipei, Taiwan	5 <sup>th</sup> International Conference on Industrial Bioprocesses
	Bacterial community structure analysis following molecular approach to assess ecological impact of pollution	December 20-22, 2012	Sri Venkateswara University, Tirupati, India	International Conference on 'Environmental Impact on Human Health and Therapeutic Challenges
	Molecular analysis of bacterial community structure to assess ecological impact of pollution following culture dependent, culture independent and whole genome sequencing approach	January 11, 2013	Yashavantrao Chavan Institute of Science, Satara, India	National Seminar on 'Applied Microbiology for Globe Protection'
	Bacterial community shift in anthropogenic polluted environment	February 8-9, 2013	Shivaji University, Kolhapur	National Conference on 'Challenges and Opportunities in Life Sciences'



Dr. T.V. Raman Rao	Edible coatings for the improvement of postharvest quality and shelf-life of fruits and vegetables	14– 16, Nov. 2012.	Acharya Nagarjuna University, Nagarjuna Nagar, Andhra Pradesh	Andhra Pradesh Science Congress-2012 on Innovation in Science, Technology and Mathematics (ISTAM)
	Efficiency of eco-friendly based edible coatings on the preservation and quality improvement of fruits and vegetables	20-22, Dec. 2012	Department of Virology, Sri Venkateswara University, Tirupati, Andhra Pradesh	International Conference on Environmental Impact on Human Health and Therapeutic Challenges (ICEHT-2012) & 6 <sup>th</sup> Annual Convention of Association of Biotechnology and Pharmacy (ABAP)

### DEPARTMENT OF CHEMISTRY

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr. H. S. Patel	Medicinal Polymers	1 <sup>st</sup> -3 March-2013	At CIPET, Lucknow, UP, India	---
	High performance Polymers	21/10/2012	Navyug science, Surat	---
	Online Research Workshop Through BISAG-SANDHAN	16/06/2012	Knowledge Consortium of Gujarat Gandhinagar	---
Dr. D. I. Brahmhatt	Nomenclature in Chemistry	1 <sup>st</sup> November, 2012	Sardar Patel University	Centre for interdisciplinary studies in science and technology (CISST)
	<sup>13</sup> C NMR, 2D NMR spectroscopy	10-12 <sup>th</sup> January, 2013	Department of pure and applied chemistry, M.D.S. University, Ajmer	Invited lectures
	Mass spectroscopy and Disconnection approach	7-9 <sup>th</sup> March, 2013	Department of Chemistry, Hemchandracharya North Gujarat University, Patan	Invited lectures
Dr. D. K. Raval	Research- How to Plan, Present and Publish	June 16, 2012	Gandhinagar	Knowledge Consortium of Gujarat, at BISAG, Gandhinagar
	Prostereoisomerism [2 lectures]	July 26, 2012	Ahmedabad	Gujarat University, Ahmedabad in UGC sponsored Refresher Course
	Chirality & Symmetry and Prostereoisomerism [3 Lectures]	August 16-17, 2012	Aurangabad	BabaSaheb Ambedkar North Marathwada University, Aurangabad in UGC sponsored Refresher Course

	Pericyclic Reactions	January 31 , 2013	Vallabh Vidyanagar	V.P. & R.P.T.P. Science College, Vallabh Vidyanagar
	Ionic Liquids – Green Solvents	February 2, 2013	Borsad	State Level Seminar on Green India through Green Channels at Borsad Science College, Borsad
Dr. M.N. Patel	Quantum Chemistry	18 <sup>th</sup> September 2012	Shri Jayendrapuri arts and Science College, Bharuch	---
	Crystal field theory	15 <sup>th</sup> February	Gujarat University , Ahmedabad	Refresher Course
Dr. S. S. Soni	Statistical Thermodynamics	---	KSKV Kuchchh University, Bhuj	Visiting Professor
	Solid State Chemistry and Defects	---	KSKV Kuchchh University, Bhuj	Visiting Professor

### DEPARTMENT OF COMPUTER SCIENCE

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Prof P V Virparia	MS-EXCEL (3 sessions)	15-05-2012 22-05-2012	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 13 <sup>th</sup> Orientation Programme
	Web Designing and Development (2 sessions)	12-03-2013	UGC Academic Staff College, Saurashtra University	UGC Sponsored Refresher Course in Computer Science
	Web Designing (2 sessions)	12-05-2012	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 9 <sup>th</sup> Refresher Course in Computer Science
	Operations Research Techniques	21-05-2013	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 9 <sup>th</sup> Refresher Course in Computer Science
	Data Warehouse	21-05-2013	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 9 <sup>th</sup> Refresher Course in Computer Science
	MS-EXCEL (3 sessions)	16-07-2012 17-07-2012	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 15 <sup>th</sup> Orientation Programme
	MS-EXCEL (3 sessions)	30-11-2012 14-12-2012	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 16 <sup>th</sup> Orientation Programme
	MS-EXCEL (2 sessions)	22-03-2013	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored Refresher Course in Research Methodology
	Website Design (2 sessions)	06-03-2013	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored Refresher Course in Emerging Trends in Engineering and Technology
	MS-EXCEL (3 sessions)	04-12-2012	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored 17 <sup>th</sup> Orientation Programme

	Information Technology	22-03-2013.	SHIKHAR-2013 organized by Anand Institute of Business Studies, Anand	National Seminar
	Data Warehouse & Data Mining	02-03-2013	IT-FUTURA-2013 organized by Anand Institute of Information Science, Anand	National Seminar
Prof D B Choksi	Distributed Systems	22-04-2012	JRN RV University, Udaipur	Expert Talk in the International Conference on Recent Trends of Computer Technology in Academia
	Distributed Computing	08-05-2012	UGC Academic Staff College, S.P. University, V.V.Nagar.	UGC Sponsored Refresher Course in Computer Science
	Computer Networks	25-05-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Orientation Programme for University and College Teachers
	Computer Basics	02-06-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Refresher Course in Commerce
	Computer Networks	23-06-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Orientation Programme for University and College Teachers
	Computer Networks	13-07-2012	Rollwala Computer Centre, Gujarat University, Ahmedabad	UGC Sponsored Refresher Course in Computer Science
	Computer Networks	24-07-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Orientation Programme for University and College Teachers
	Distributed Computing	27-07-2012	ISTAR, V.V.Nagar	Expert Lecture
	Internet Technology	30-08-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Refresher Course in Agricultural Science
	Network Security	25-09-2012	B.H.Gardi College of Engineering & Technology, Rajkot	Expert Lecture
	Use of ICT in Higher Education	13-10-2012	Anand Pharmacy College, Anand	Expert Talk in the NAAC Sponsored National Seminar on "Higher Education : Excellence Towards Quality Management and Assurance".
	Use of ICT in Research	19-10-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Interaction Programme for Ph.D. Scholars
	Computer Networks	30-11-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Refresher Course on Research Methodology
Computer Awareness	04-12-2012	Sanjana Talawadi School, V.V.Nagar	Community Science Centre, Sardar Patel University	

	Computer Networks	08-12-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored 16 <sup>th</sup> Orientation Programme for University and College Teachers
	Computer Networks	11-12-2012	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored 17 <sup>th</sup> Orientation Programme for University and College Teachers
	Computer Applications in Business	23-01-2013	D.N.Institute of PG Studies in Commerce, Anand	Guest Lecture
	Distributed Computing	12-02-2013	ISTAR, V.V.Nagar	Guest Lecture
	Distributed Computing	15-03-2013	UGC Academic Staff College, Saurashtra University, Rajkot	UGC Sponsored Refresher Course in Computer Proficiency and Nano Technology
	Computer Networks, Internet and Search Engines	23-03-2013	UGC Academic Staff College, S.P.University, V.V.Nagar	UGC Sponsored Refresher Course in Comparative Literature
Prof D M Shah	Multimedia Computing <b>(2 sessions)</b>	February 2013	Academic staff college, V V Nagar	Refresher course in ICT
Prof Priti Srinivas Sajja	PowerPoint –I	11 may 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	11 may 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –I	12 June 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	12 June 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –I	27 July 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	12 July 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –I	26 Nov 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	26 Nov 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –I	29 Nov 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	29 Nov 2012	Academic Staff college, S P University	Refresher/Orientation Course

	PowerPoint –I	3 Nov 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	3 Nov 2012	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –I	20 Mar 2013	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	20 Mar 2013	Academic Staff college, S P University	Refresher/Orientation Course
	Soft computing 1	22 Feb 2013	Academic Staff college, S P University	Refresher/Orientation Course
	Soft computing 2	22 Feb 2013	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –I	29 March 2013	Academic Staff college, S P University	Refresher/Orientation Course
	PowerPoint –II	29 March 2013	Academic Staff college, S P University	Refresher/Orientation Course
	Effective Presentations (2 sessions)	28 Jan 2013	VM Patel College of Management Studies, Ganpat University, Kherwa	Faculty Development Program
	Computer Fundamentals	4 Dec 2012	Mahatma Gandhi School at mogari	Science day celebration
	Artificial Intelligence	24 Aug 2012	ISTAR	Post graduate students of Comp Sc.
	Soft computing -1	22 May 2012	Academic Staff college, S P University	Refresher/Orientation Course
	Soft computing -2	22 May 2012	Academic Staff college, S P University	Refresher/Orientation Course
	Intelligent Technologies for Web (full day -- 2 session theory 2 session web mining practical )	20 April 2012	L J Institute of Comp Engg.	AICTE sponsored Staff Development Programme on Data Mining, LJ Institute of Engineering & Technology, Ahmedabad
	Knowledge Based Systems (2 sessions)	5 March 2012	Academic Staff college, S P University	Refresher/Orientation Course
	Artificial Intelligence (2 sessions)	26 Feb 2013	Stephen college	Post graduate students of Comp. Sc.
Mr. B B Patel	MS-Access 2007 (2 sessions)	04/05/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	9th Refresher Course : Computer Science (03/05/2012 to 23/05/2012)

Use of ICT in Teaching Learning	15/5/2012	M.B.Patel B. Ed. College, Vallabh Vidyanagar	Expert Lecture
MS-Access 2007 (2 sessions)	24/05/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	10th Refresher Course : Commerce and Management (24/05/2012 to 13/06/2012)
MS-Access 2007 (2 sessions)	26/05/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	13th Orientation Programme (30/04/2012 to 27/05/2012)
MS-Access 2007 (2 sessions)	13/07/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	15th Orientation Programme (02/07/2012 to 29/07/2012)
Web Designing	20/07/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	15th Orientation Programme (02/07/2012 to 29/07/2012)
Web Application Development	06/08/2012	MCA Department, ISTAR, Vallabh Vidyanagar	Two days workshop on .NET Technology
MS-Excel 2007	28/08/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	11th Refresher Course : Agricultural Science (20/08/2012 to 09/09/2012)
MS-Access 2007 (2 sessions)	30/08/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	11th Refresher Course : Agricultural Science (20/08/2012 to 09/09/2012)
Software Development Life Cycle	04/10/2012	MCA Department, ISTAR, Vallabh Vidyanagar	Expert Lecture
Microsoft Word 2003	06/10/2012	Anand Institute of Social Work , Anand	Expert Lecture
Microsoft PowerPoint and Internet	13/10/2012	Anand Institute of Social Work , Anand	Expert Lecture
RDBMS - Oracle	02/11/2012	M.Sc. (IT) Department, ISTAR, Vallabh Vidyanagar	Invited Lecture
MS-Access 2007 (2 sessions)	26/11/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	16th Orientation Programme (19/11/2012 to 16/12/2012)
MS-Excel 2007 (Advanced)	05/12/2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	16th Orientation Programme (19/11/2012 to 16/12/2012)

Mr. J V Smart	Data Warehousing	06-12-2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	14 <sup>th</sup> Refresher Course (Library and Information Science)
	Backup Devices	06-12-2012	UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar – 388 120.	14 <sup>th</sup> Refresher Course (Library and Information Science)
	Web Services and XML	12-03-2013 to 13-03-2013	Sardar Vallabhbhai Patel Institute of Technology, Vasad	Workshop
Dr. H J Panchal	Bioinformatic Challenges in Cutting Edge Metagenomic Research	7 <sup>th</sup> March 2013	Ome Research Facility, Department of Animal Biotechnology, Anand Agricultural University, Anand.	Gujarat State Biotechnology Mission (GSBTM), Department of Science & Technology, Government of Gujarat, Gandhinagar.
	Applications of Bioinformatic In life Sciences	8 <sup>th</sup> - 9 <sup>th</sup> March 2013	Bioinformatics Infrastructure Facility, Bioinformatics Centre, School of Studies in Neuroscience, Jiwaji University, Gwalior, (M.P.)	Bioinformatics Infrastructure Facility, Department of Biotechnology, New Delhi.

#### DEPARTMENT OF ELECTRONICS

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

## DEPARTMENT OF MATHEMATICS

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



## DEPARTMENT OF PHYSICS

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

### DEPARTMENT OF BUSINESS STUDIES

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

### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecturer was arranged
Prof. D. R. Dave	Nature and Scope of Research	15 -10 -2012.	Vallabh Vidyanagar	Academic Staff College, Sardar Patel University

	Promotion of Culture of Quality through Research” organized by Knowledge Consortium of Gujarat	6-7-8 July 2012	Vallabh Vidyanagar	Bhikhabhai Jivabhai Vanijya Mahavidyalaya, Vallabh Vidyanagar
	Application of Statistics in Promotion of Research Quality	21 <sup>st</sup> to 25 <sup>th</sup> August 2012.	Vallabh Vidyanagar	S. M. Patel College of Home Science, Vallabh Vidyanagar
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	Seminar on Research Methodology
	Success Strategy to Cleat UGC NET/GSET	4 <sup>th</sup> October 2012	D.N. Institute of P.G. Studies in Commerce, Anand	One Day UGC NET/GSET Orientation Programme for Postgraduate Students of Commerce and Management
	Factor Analysis and Cluster Analysis	7 <sup>th</sup> December 2012	International Agri-Business Management Institute, Anand Agriculture University	Guest lecture series
	Basics of Research	9 July 2012	V Z Patel Commerce College, Anand	Guest lecture for M.Com students
	Marketing Value Delivering System	9th May 2012	Narmada Institute of Business Management, Bharuch	Guest lecture

#### DEPARTMENT OF ECONOMIC

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Sonal Bhatt	Course on “Urban Finance”	January-March, 2013	‘Bhaikaka Centre for Human Settlements’, Arvindbhai Patel Institute of Environmental Design, Vallabh Vidyanagar	One semester course for students of Masters in Urban Planning

#### DEPARTMENT OF EDUCATION

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr. Pallavi P. Patel	Requirement of EI for students	19/4/2012	Pharmaceteqular Dep. SPU Academic staff College, SPU	---

	Relation between I.Q. & E.Q.	25/6/2012	P.K.Inamdar College of Education,Bakrol	---
	Importance of Guru in our life	3/7/2012	Academic Staff College,SPU	---
	Relation between I.Q. & E.Q. Constructivism	13/7/2012	D.E.S.College of Education, Dhule (Maharashtra)	---
	Reflective Teaching	30 <sup>th</sup> & 31 <sup>st</sup> July 2012 26/9/2012	I.J.Patel M.Ed. College, Mogri	---

### DEPARTMENT OF HISTORY

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

**DEPARTMENT OF LIBRARY & INFORMATION SCIENCE**

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

**DEPARTMENT OF SOCIAL WORK (MSW)**

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

## DEPARTMENT OF POLITICAL SCIENCE

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Prof. Baldev Agja	Social Science & Research Methodology	31/01/2013	Behavioural Science Centre, St. Xaviers College, Navrangpura, Ahmedabad	Centre for Social Studies Sponsored by ICSSR (MHRD, Govt. of India)

## DEPARTMENT OF PSYCHOLOGY

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr.S.M.Makvana	Sub: Emotion and its expression	12-09-2012 Ref.No.410/2012-13	Patel J.B.Rudelwala Arts, Patel A.M.Rudelwala Commerce & Patel J.D.K.Davolwala Science College, Borsad.	Invited lectures Chief Guest Sub: Remedial Classes Year of 2012-13
	Training and Stress of Panchayat employees (Basic functional course among stress)	17/9/2012 12.30 to 14.00pm	Sigma Institute, At-Bakrol, AAjva road Vaghodia, Dist-Baroda	“Rastriya Gramm Swarojgar Yojna” Developmental Employees training Under the Government of India (By D.D.O Baroda)

## DEPARTMENT OF SOCIOLOGY

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

## DEPARTMENT OF ENGLISH

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

## DEPARTMENT OF GUJARATI

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

## DEPARTMENT OF HINDI

Name of the Teacher	Topic	Date(s)	Place	Name of the Scheme under which the lecture was arranged
Dr. N.K.Chauhan	Hindi Ki Dasha Aur Disha	17-11-2012	Lacknow	UGC Seminar
	Adhunik Hindi Natak Aur Rangmunch	12-13. Jan. 2013	Keral	UGC Seminar (Kalikat Uni.)
	Adhunik Hindi – Gujarati Sahitya Main Mahabharat Mithak	12-13. Jan. 2013	Baroda	UGC Seminar (M.S.Uni.)
	Hindi Alochana Aur Dr. Ramvilas Sharma	22-23. Feb. 2013	Heydrabad	National Seminar
	Hindi Natak Ki Sthiti Aur Sidhyen	6-7. March 2013	Patiala	National Seminar
Dr. D.S.Tripathi	Premchand Ka Pradey	31-07-2012	C.B.Patel Arts Nadiad.	College Lecture Scheme (Guest

				Lecturer)
	I.A. Richards Ke Samiksha Siddhant	25/02/2013	N.S.Patel Arts. Anand	College Lecture Scheme (Guest Lecturer)
Dr. M.M.Sharma	Translation	11-09-2012	N & A Colle. V.V.Nagar	UGC Workshop
	Rashtrabhasha Hindi	14-09-2012	Bhikhabhai Arts, Anand.	Institutional
	Rashtrabhasha Hindi	15-09-2012	Gyanyasna, Mogari	Institutional
	Gora...	07-02-2013	A.A. Co., Anand.	Institutional
	Padmakar..	04-03-2013	N.S.Patel Ananad	Institutional
	Research Methodology	23-03-2013	Khedbrahma	State Level Seminar
Dr. S.R.Rathod	Tulnatmak Sahitya : Saidhantik Paksh	Feb. 2013	And .Arts., Anand.	Guest Lecture

## (II) CONFERENCES/SEMINARS PARTICIPATION

No.	Department	International	National	State	Others	Total
1.	Biosciences	04	13	05	08	30
2.	Chemistry	01	15	08	07	31
3.	Computer Science	01	20	0	18	39
4.	Electronics	0	02	01	05	08
5.	Home Science	0	0	02	03	05
6.	Materials Science	0	0	0	01	01
7.	Mathematics	0	05	0	14	19
8.	Physics	0	08	02	03	13
9.	Pharmaceutical Science	0	0	02	0	02
10.	Business Studies	0	06	06	05	17
11.	MBA	0	02	02	08	12
12.	Economics	01	0	03	13	17
13.	Hisotry	0	04	02	07	13
14.	Lib. and Inf. Sci.	0	0	04	0	04



15.	Social Work	0	02	03	13	18
16.	Political Science	0	01	13	08	22
17.	Psychology	0	02	05	04	11
18.	Sociology	0	02	04	09	15
19.	English	0	0	03	12	15
20.	Gujarati	0	02	06	01	09
21.	Hindi	0	03	07	09	19
22.	Sanskrit	0	0	04	0	04

#### DEPARTMENT OF BIOSCIENCES

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr. A.V.R.L.N. Acharaya	Life Sciences at KCG Workshop on Promotion of Culture of Quality Through Research	BJVM	Vallabh Vidyanagar	06-07-2012 to 08-07-2012	Resource person	---
	Regional Science Congress on Science for shaping the future of India	M. S. University of Baroda & Indian Science Congress Association (Baroda chapter)	Vadodara	15-09-2012 to 16-09-2012	Chaired a session	---
	Sardar Patel University Academic Staff College,	Sardar Patel University	Vallabh Vidyanagar	16-10-2012	Delivered a Lecture	Importance and Significance of Research

Dr. Amita Shah	Poster presented by research student in International Conference on Industrial Biotechnology (ICIB-2012)	Biotechnology Research Society of India	Panjabi University, Patiala	21-23 Nov	Presentation of poster	Mentioned below.
Dr. A.S. Reddy	Good Agricultural and Collection Practices for Medicinal and Aromatic Plants	Directorate of Medicinal and Aromatic Plants Research	Boriavi, Anand	25.9.2012	Resource person	Importance of Proper Identification of Medicinal and Aromatic Plants with special emphasis on taxonomic criteria and its significance.
	Good Agricultural and Collection Practices for Medicinal and Aromatic Plants	Directorate of Medicinal and Aromatic Plants Research	Boriavi, Anand	04.03.2013	Resource person	The relevance of plant taxonomy in the utilization and Conservation of Medicinal
	All India Botanical Conference	M.S. University of Baroda	Vadodara	10.10.2012	Resource person	Co-chairman of the Technical Session
	Conference on Drug Discovery from Natural Products	Charotar University of Science and Technology	Changa	9.01.2013	Resource Person	Chairman of Technical Session
Dr. Datta Madamwar	National Conference on 'Pharmacogenomics: Revolutionizing Personalized Medicines'	Nabira Mahavidyalaya	Katol, India	September 21-22, 2012	Invited Talk	Microbial ecology of polluted environment
	5 <sup>th</sup> International Conference on Industrial Bioprocesses	National Taiwan University of Science and Technology and National Taiwan University,	Taipei, Taiwan	October 7-11, 2012	Invited Talk	Molecular analysis of bacterial community structure to assess ecological impact of pollution
	International Conference on 'Environmental Impact on Human Health and Therapeutic Challenges	Sri Venkateswara University,	Tirupati, India	December 20-22, 2012	Invited Talk	Bacterial community structure analysis following molecular approach to assess ecological impact of pollution

	National Seminar on 'Applied Microbiology for Globe Protection'	Yashavantrao Chavan Institute of Science	Satara, India	January 11, 2013	Invited Talk	Molecular analysis of bacterial community structure to assess ecological impact of pollution following culture dependent, culture independent and whole genome sequencing approach
	National Conference on 'Challenges and Opportunities in Life Sciences'	Shivaji University,	Kolhapur	February 8-9, 2013	Invited Talk	Bacterial community shift in anthropogenic polluted environment
Dr. Haresh Keharia	International Conference on Industrial Biotechnology	Punjabi University under auspices of Biotech Research Society of India	Patiala	November 21-23, 2012	Oral Presentation	Characterization of antifungal cyclic lipopeptides produced by banyan endophytic bacilli using Intact cell MALDI-TOF mass spectrometry and its effectiveness as biocontrol agent against <i>Magnaporthe oryzae</i>
Dr. J.S.S. Mohan	Top Ciencia event in Bali, Indonesia	BASF, Indonesia	Bali, Jakarta, Indonesia	18-19 December 2012	Participant and Presentation of work	Evaluation of Physiological Effects of Headline 20% WG in corn ( <i>Zea mays</i> L.)
	Top Ciencia event in Bali, Indonesia	BASF, Indonesia	Bali, Jakarta, Indonesia	18-19 December 2012	Participant and Presentation of work	Evaluation of Physiological Effects of Headline 20% WG in groundnut ( <i>Arachis hypogaea</i> L.)
Dr. K.S. Rao	International Conference: IAWA Pan-American Meeting	IAWA	Recife, Brazil	October 1-5, 2012	Invited Speaker	Cambial seasonality in tropical woody plants
Dr. T.V. Raman Rao	35 All India Botanical Conference & 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	8- 10, Dec. 2012.	As a Chair person for one of the Technical sessions	---

	International Conference on Environmental Impact on Human Health and Therapeutic Challenges (ICEHT-2012) & 6 Annual Convention of Association of Biotechnology and Pharmacy (ABAP)	Department of Virology, Sri Venkateswara University	Tirupati, Andhra Pradesh	20-22, Dec. 2012	As a Resource Person	Efficiency of eco-friendly based edible coatings on the preservation and quality improvement of fruits and vegetables
	National Seminar of Plant Physiology on Physiological and Molecular Approaches for Development of Climate Resilient Crops at	---	Hyderabad	12-14, Dec. 2012	As a Participant	---
	Andhra Pradesh Science Congress-2012 on Innovation in Science, Technology and Mathematics (ISTAM)	---	Andhra Pradesh	14- 16, Nov. 2012.	As a Lead Speaker	Edible coatings for the improvement of postharvest quality and shelf-life of fruits and vegetables
	XXVII Gujarat Science Congress	Charotar University of Science and Technology (CHARUSAT)	Changa	24 Feb. 2013.	As a Participant	---
	Refresher Course in Life Sciences	Department of Life Sciences, Gujarat University	Ahmedabad	19 March 2013.	As a Resource Person	Microscopy as an aid in Biological Sciences Research Recent Trends in Postharvest Technology of Fruits and vegetables
	Indian Science Congress	---	Kolkata	3-7 Jan., 2013	Not attended but contributed an abstract for this event.	Nutritional quality of watermelon fruit of two icebox cultivars as revealed by their biochemical composition and enzyme activities.

DAE-BRNS Life Sciences Symposium 2012 (LSS-2012) on Trends in Plant, Agriculture and Food Sciences (TIPAFS)	Bhabha Atomic Research Centre in Anushaktinagar	Mumbai	17-19 Dec. 2012.	I did not personally attend in these events, but my Research Students attended and presented their research findings in these events.	Influence of minimal processing on the physiological and qualitative properties of fresh-cut watermelon ( <i>Citrullus lanatus</i> (Thunb.) Matsum. & Nakai).
XXVII Gujarat Science Congress	Charotar University of Science and Technology (CHARUSAT)	Changa	24 Feb. 2013.	---	Postharvest application of composite edible coatings for extending storability and for improving the nutritional quality of carambola ( <i>Averrhoa carambola</i> L.)
XXVII Gujarat Science Congress	Charotar University of Science and Technology (CHARUSAT)	Changa	24 Feb. 2013.	---	Influences of postharvest chemical and heat treatments on shelf life and quality of custard apple ( <i>Annona squamosa</i> L.)
National Seminar on Plant Physiology	---	Hyderabad	12 to 14 Dec. 2012.	---	Influence of composite edible coatings along with some phenolic compounds on shelf life and quality of Grapes ( <i>Vitis vinifera</i> ). Response of postharvest treatments and storage temperatures on the quality and shelf life of phalsa ( <i>Grewia asiatica</i> L.) fruit.
35 All India Botanical Conference & National symposium on Role of Plants and Microbes for the betterment of Mankind in	M. S. University of Baroda,	Vadodara.	8 to 10 Dec. 2012	---	Nutritional composition and related enzyme activities of three different cultivars of muskmelon fruit during their development and ripening.

	the changing climate					Shelf-life extension and quality improvement of fresh-cut papaya fruit by application of novel edible coatings.
	International Conference and Exhibition on Food Processing and Technology	OMICS Group	Hyderabad	22 to 24Nov. 2012.	---	Efficacy of edible coatings in quality maintenance and shelf life extension of pink fleshed guava ( <i>Psidium guajava</i> 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 ( <i>Pyrus communis</i> L.) fruit using Xanthan gum and cinnamic acid						

#### DEPARTMENT OF CHEMISTRY

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr. H. S. Patel	2 <sup>nd</sup> International Science Congress	Bon Maharaj Engineering College	Vrindavan, Mathura, UP, India.	8 <sup>th</sup> -9 <sup>th</sup> dece.2012	Oral presentation	Synthesis, characterization and biological evaluation of asymmetrical 3, 5-disubstituted 1, 2, 4-oxadiazoles

	International Convention on Colorants”	Gandhinagar	Gandhinagar, Gujarat)	8 <sup>th</sup> and 9 <sup>th</sup> January 2013	Poster presentation	Removal and decolorization of dye bearing textile effluents by sulfinated urea-formaldehyde resi
	3 <sup>rd</sup> International Conference on Advancements in Polymeric Materials”	CIPET	Lucknow, UP, India.	1 <sup>st</sup> - 3 <sup>rd</sup> March - 2013,	Poster presentation	Removal and Decolorization of Dye Bearing Textile Effluents By Sulfonated Furfural-Acetate Resin
	Scientific/Research Paper Writing	C.I.F.E.	Mumbai	8 <sup>th</sup> -10 <sup>th</sup> June 2012	Workshops	---
	Polymer and protein characterization by gel permeation chromatography (GPC)	AIMIL LTD	Ahmedabad	1 <sup>st</sup> August 2012	Seminar	---
	2 <sup>nd</sup> International Science Congress	Bon Maharaj Engineering College	Vrindavan, Mathura, UP, India.	8 <sup>th</sup> -9 <sup>th</sup> dece.2012	Oral presentation	Studies on polyimides containing epoxy residue as backbone
	Bridging the through English : Education, Equity, Empowerment and Employability	H M Patel inst. Of English training & Research VV Nagar, Gujarat (India)	VV Nagar, Gujarat (India)	22 <sup>th</sup> - 23 <sup>th</sup> June 2012	Participant	---
	“”Advancement in polymeric materials”	CIPET	Lucknow, India	1-3 March 2013	Poster presentation	Synthesis, characterization & antimicrobial studies of noval coordination polymers synthesized from 2,5-bis(naphthalene-1-ylcarbamoyle)terephthalicacid”
	Advancement in polymeric materials	CIPET	Ahmedabad	10 <sup>th</sup> -12 <sup>th</sup> 2012	---	---
Dr. D. I. Brahmhatt	Workshop on spectroscopy	Uka Tarsadiya University	Surat	6-8 <sup>th</sup> September, 2012	Resource person	<sup>13</sup> C NMR and Mass spectroscopy
	Refresher course on chemistry education and applied chemistry	Academic staff collage M. D. S. University	Ajmer	11-13 <sup>th</sup> October, 2012	Resource person	<sup>1</sup> H, <sup>13</sup> C and 2D NMR spectroscopy

	Training programme for scientists	SICART	V.V. Nagar	5 and 7 December, 2012	Resource person	2D NMR spectroscopy
	U.G.C. Refresher course	Academic staff collage, Gujarat University	Ahmedabad	14 <sup>th</sup> February, 2013	Resource person	2D NMR spectroscopy
	SANDHAN	BISAG	Gandhinagar	26 <sup>th</sup> February, 2013	Resource person	IUPAC Nomenclature Part-I & II
	Refresher course	Academic staff collage M. D. S. University	Ajmer	21 & 22 <sup>nd</sup> March, 2013	Resource person	<sup>13</sup> C and 2D NMR spectroscopy
Dr. N. V. Sastry	2 <sup>nd</sup> International Symposium on Neutron Scattering	BARC, Mumbai	Mumbai	14 – 17 <sup>th</sup> January 2013	Presentation of a poster	<i>Hydrotope Induced Shape Transition in Alkylpyridinium Chloride Micelles in Aqueous Media - SANS Investigations</i>
	2 <sup>nd</sup> International Symposium on Neutron Scattering	BARC, Mumbai	Mumbai	14 – 17 <sup>th</sup> January 2013	Presentation of a poster	SANS Investigations on Aggregation Behavior of Amphiphilic Ionic liquids in Aqueous Solutions – Effect of Head group
Dr. M. P. Patel	Nirma Institute of Pharmacy International Conference NIPiCON-2013	Nirma Institute of Pharmacy, Nirma University, Ahmedabad.	Nirma University, Ahmedabad.	18 <sup>th</sup> -20 <sup>th</sup> , January 2013.	Presentation of Poster	Synthesis and <i>in vitro</i> antimicrobial evaluation of novel 2-amino-6-(phenylthio)-4-(2-(phenylthio)quinolin-3-yl)pyridine-3,5-dicarbonitriles
Dr. N. J. Parmar	International Conference on Global Trends in Pure and Applied Sciences,	Asian Journal of Chemistry,	At Udaipur	3- 4 Mar, 2012	Presented a research paper	One-pot synthesis of some novel polyheterocycles under catalyst-, and solvent-free environment
	Three day National Workshop on Frontier in Chemistry	Department Of Chemistry Sardar Patel University,	Vallabh Vidyanagar	2-4 Feb, 2012	Participated	---
	Two day Symposium on Innovations in Sciences Sardar Patel University Research Scholars Meet	Sardar Patel University	Vallabh Vidyanagar	8-9 Jan, 2012	Participated	---



Dr. J. H. Trivedi	National Conference on Recent Advances in Industries and Chemical Education	Department of Chemistry, R. R. Mehta College of Science & C. L. Parikh College of Commerce	Palanpur	2 <sup>nd</sup> -3 <sup>rd</sup> February, 2013.	Participate	Elucidating the graft copolymerization of acrylonitrile onto Hydroxyethyl Guar Gum – presented by one of the co-authors
	International Conference on Polymers on the Frontiers of Science and Technology	Jointly organized by the Asian Polymer Association (APA) and the University Institute of Chemical Engineering and Technology (UICET), Punjab University	Chandigarh	21 <sup>st</sup> -23 <sup>rd</sup> February, 2013.	Participate	Photo-Induced Grafting of Acrylonitrile onto Sodium salt of Partially Carboxymethylated Sodium Alginate: Synthesis and Characterization- presented by one of the co-authors
Dr. S. S. Soni	Refresher course in Chemisty/Chemical Sciences/Pharmaceutical Chemistry	Academic Staff College	BAMU, Aurangabad	06 <sup>th</sup> – 29 <sup>th</sup> August 2012	Participant	---
	DAE-BRNS 4 <sup>th</sup> Interdisciplinary Symposium on Materials Chemistry	DAE-BRNS, Mumbai	BARC, Mumbai	11 <sup>th</sup> – 15 <sup>th</sup> December 2012	Oral presentation	Preparation of Mesoporous Transition Metal doped Porous Metal oxides as Heterogeneous catalysts
	International symposium on Neutron Scattering	SSPD, Mumbai	BARC, Mumbai	14 <sup>th</sup> – 17 <sup>th</sup> January 2013	Poster presentation	SANS and <sup>1</sup> H NMR study on Thermoreversible Aqueous Gels formed by Amphiphilic Block Copolymer
Dr. K. R. Surati	UGC Sponsored refresher course	Dr. Babasaheb Ambedkar Marathwada University	Aurangabad	6/08/2012 to 29/08/2012	Refresher Course	---

	IUMRS-ICEM 2012 International conference on electronic materials	IUMRS, Yokohama, Japan	Yokohama, Japan	23/09/2012 to 28/09/2012	Oral Presentation	Highly efficient Phosphorescent Iridium (III) and Zn(II) Mixed Ligand Complexes for OLEDs Application
	National Workshop on Molecular Modeling for Drug Design (MMDD-12), PURSE programme of DST-SPU	PURSE Program of DST-SPU, V. V. Nagar	V. V. Nagar	29/11/2012 to 30/11/2012	---	---
Dr. N. P. Talpada	National Workshop on Molecular Modeling for Drug Design.	PURSE Program of DST-SPUniv.	Vallabh Vidyannagar	29,30-11-2012	Participant	---
	National Conference on Recent Advances in Life Science and Chemical Science,	M.B.Patel Science College,	Anand	10-8-2013	Participant	---

#### DEPARTMENT OF COMPUTER SCIENCE

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Prof. P V Virparia	International Conference on Recent Trends of Computer Technology in Academia	JRN RV University, Udaipur	Udaipur	21-23 April 2012	Chairman of Technical Session	---
	National Seminar SHIKHAR-2013	Anand Institute of Business Studies, Anand	Anand	22-03-2012	As a resource person delivered an expert lecture on "Information Technology"	---

	State Level IT Competitions-CogSoc-2013	C.P.Patel Commerce College	Anand	01-03-2013	As a judge in the project development competition	---
	National Seminar IT-FUTURA-2013	Anand Institute of Information Science, Anand	Anand	02-03-2013	As a resource person delivered an expert lecture on "Data Warehouse & Data Mining"	---
Prof. D B Choksi	International Conference on Recent Trends of Computer Technology in Academia	JRN RV University, Udaipur	Udaipur	21-23 April 2012	Chairman of Technical Session and also delivered an Expert Talk on Distributed Systems	---
	Workshop on Conduct of University Examinations	S. P. University	V.V.Nagar	21-09-2012	Participant	---
	NAAC Sponsored National Seminar on "Higher Education : Excellence Towards Quality Management and Assurance".	Anand Pharmacy College, Anand	Anand	13-10-2012	As a resource person delivered an expert lecture on "Use of ICT in Higher Education"	---
	State Level IT Competitions-CogSoc-2013	C.P.Patel Commerce College	Anand	01-03-2013	As a judge in the project development competition	---
Prof. D M Shah	National Seminar on Higher Education: Excellence towards Quality Management & Assurance (NAAC Sponsored)	Anand Pharmacy College	Anand	12 <sup>th</sup> – 13 <sup>th</sup> October 2012	Presentation of Paper	Industry Institute Interaction in Higher Education

Prof. Priti Srinivas Sajja	International Conference on Intelligent Systems and Signal Processing (ISSP-13),	GCET Engg collge, V V Nagar	Vallabh Vidyanagar, India	March 2013	Co-author	Macwan, N.A. and Sajja, P.S. "Modeling performance appraisal using soft computing techniques: Designing a neuro-fuzzy application", pp.414-418
	International Conference on Intelligent Systems and Signal Processing (ISSP-13),	GCET Engg collge, V V Nagar	Vallabh Vidyanagar, India	March 2013	Co-author	Dahiya, V.R., Trivedi, J.A. and Sajja, P.S. "Innovative algorithms for vision defect identification system",pp.217-222
	National Conference (IT-Futura-2013)	Anand Institute of Information Science	Anand	2 <sup>nd</sup> March, 2013	Participant, reviewer	---
Dr. H J Panchal	"3rd International Conference and Exhibition on Pharmaceuticals & Novel Drug Delivery Systems"	Omics Group	Hilton Chicago/No rthbrook, USA.	8-10 April, 2013.	Presentation of Paper	"Comparative study of data generated by structural annotation of the genome for identifying the unique parameter responsible for pathogenic property of Helicobacter pylori"
Dr. B V Patel	NAAC Sponsored National Level Conference	Anand Pharmacy College	Anand	12 <sup>th</sup> – 13 <sup>th</sup> October, 2012	Participant	Promoting use of Information Technology and advanced techniques in higher education
	Pre-Conference Workshop	G H Patel College of Engineering & Technology	Vallabh Vidyanagar	28 <sup>th</sup> Frbruary, 2013	Participant	Security Virtual Cloud
	Pre-Conference Workshop	G H Patel College of Engineering & Technology	Vallabh Vidyanagar	28 <sup>th</sup> Frbruary, 2013	Participant	Image and Video Exploration Techniques
	Pre-Conference Workshop	G H Patel College of Engineering & Technology	Vallabh Vidyanagar	28 <sup>th</sup> February, 2013	Participant	Power Line Communication
	National Conference (IT-Futura-2013)	Anand Institute of Information Science	Anand	2 <sup>nd</sup> March, 2013	Participant	Using an Expert System as an Advisory System

Ms. J K Patel	3 <sup>rd</sup> interactive programme on Research Methodology (all disciplines)	UGC academic staff college, SPU	VallabhVid yanagar	15-20 October, 2012	Participant	---
Ms. J K Patel	National Seminar on Higher Education: Excellence towards Quality Management and Assurance	Anand Pharmacy College	Anand	12-13, October, 2012	Paper Presentation	M-Education –Role of mobile learning in higher education system
Mr. H B Pandit	National Seminar of Higher Education: Excellence towards Quality Management & Assurance	Anand Pharmacy college	Anand	13-10-2012	Paper presentation	Industry Institute Interaction in Higher Education

### DEPARTMENT OF ELECTRONICS

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr.(Ms)Basumati H.Patel	Seminar	Gujarat Science Congress	Charusat University, Changa	24.02.2013	Poster presentation	Influence of the substrate temperature on the structural and optical properties of zinc indium selenide thin films deposited by flash evaporation method.
Dr.Sunil S.Patel	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,24 <sup>th</sup> February,2013.	Organized by Charotar University of Science and Technology Changa and Gujarat Science Academy	Changa	24/02/2013	Attended.	---

Dr.(Ms)Vibha S.Vaishnav	One Day Seminar on Current trends in Research and Applications on Physical Sciences in Gujarat ( CTRAPGSG-12 )	Department of Physics, Sardar Patel University, Vallabh Vidyanagar	Vallabh Vidyanagar	29 the December, 2012	Poster Presentation (Two Posters )	Study of Sensitivity and Selectivity of Thin Film Semiconductor Sensors for the detection of Volatile organic Compounds
						Flexible Electronics: A demanding desirable breakthrough in Sensor Technology : A review
	17th ISTE Gujarat Convention and a Seminar on Technology Enabled Technical Education : Issues and Perspectives”	S.N. Patel Institute of Technology and Research Centre	Bardoli, Gujarat	October 20, 2012	Oral Presentation	Virtual Universities and their Role in Strengthening the Education and Studies of Electronics
Dr.(Mrs) Shahera Patel	Seminar on Current trends in Research and Applications of Physical Sciences in Gujarat ( CTRAPSG-12 )	Department of Physics & Alumni association,S.P.University	Department of Physics, S.P. University	29-12 2012	Presentation of Research Paper and Participant	Synthesis, Characterization and Gas Sensing Applications of Nanostructured ZnO
	National conference on current research in chemical sciences ( CRCS-2013 )	Shivaji University.	Kolhapur	Jan 22-23 2013	Resource Person, Presentation of Research Paper and Participant	Nanostructured MnO <sub>2</sub> Thick film as a Schottky Barrier
	XXVII Gujarat Science Congress	CHARUSAT University & Gujarat Science Academy	Changa	24-2-2013	Presentation of Research Paper and Participant	A new design approach for the development of low cost BGA Rework Station
Mr.Paresh B.Patel	Second International Symposium on Semiconductor Materials & Device (ISSMD-2013)	Jammu University	Jammu	31-01-2011 to 02-02-2011	Participation and Presented a Poster	Mechanochemically Synthesized CIGS, Nanocrystalline Powder for Solar Cell.
	Three Day Faculty Development Program on “NI LABVIEW and Applications”	ADIT,	New Vidyanagar	12-14 Sep. 2013	Participation	---

**DEPARTMENT OF HOME SCIENCE**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Dr.Rema Subhash	International Conference on Diabetes Ans Its Complication.	Charusat, Changa	Changa	18,19 Jan. 2013	Participant	---
Dr.Namria Kola	Dynamics of Craft Development A Technopreneur Approach	Department of Clothing & Textiles, Faculty Of Family And Community Science, M.S.University, Vadodara	Vadodara	21 <sup>st</sup> & 22 <sup>nd</sup> Dec.2012	Poster Presentation	Diversifying The Use of Bhindi Yarns
						Embroidery of Node Community of Bunny Region-Kutch
Dr.Neeta R. Dave	Regional Level Seminar On “Dietetics Update”.	Department of Foods & Nutrition, M.S.University of Baroda.	Baroda	Sept.13, 2012	Participant	---
	International Conference on “Diabetics & Its Complications “	Charotar University of Science & Technology	Changa	18, 19 & 20 Jan.2013	Presentation of Poster	Prevalence & Association of Various Risk Factors With Diabetes Mellitus Among Adult Male Population of V. V.N.
MS.Viraj Roghelia	International Conference on Food Technology For Health Promotion ICFTHP-2012	Iifans	Inu, New	27-28 Dec.2012	Paper Presentation Oral	Nutritional Profile And Antioxidant Potential of Selected Organically & Conventionally Grown Fruits.
	International Conference on Diabetes And Its Complication	Charusat	Changa	8-10 Jan.2013	Poster Presentation	Formulation & Sensory Attributes of Herbal Tea

### DEPARTMENT OF MATERIALS SCIENCE

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr. Miss. R. H. Patel	Attended the XXVII Gujarat Science Congress-2013 jointly organized by CHARUSAT and Gujarat Science Academy on 24 <sup>th</sup> February	CHARUSAT	Changa	24/02/2013	Participant Research paper was presented in Poster form by A.V.Hirani	Modification in the properties of conventional castor oil based polyurethanes using novel phosphorous containing polyurethanes

### DEPARTMENT OF MATHEMATICS

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
H.S. Mehta	Workshop VI "An Art of Problem Solving in Mathematics"	Department of Mathematics, S. P. University	VV Nagar	5-11, January, 2013.	Resource Person	Topology
	National Seminar on "Analysis, Geometry and Applications" in this seminar.	Department of Mathematics, S. P. University	VV Nagar	6-7 March, 2013	Invited Lecture	"On Research Work of Prof. R. D. Mehta"
H.V. Dedania	National Seminar on "Analysis, Geometry and Applications" in this seminar.	Department of Mathematics, S. P. University	VV Nagar	6-7 March, 2013	Invited Lecture	"On *-semisimplicity of $l^1(S)$ "
	International conference on Legacy of Ramanujan	Delhi University	Delhi	December 2012	Participant	---



S.J. Ghevariya	Workshop VI “An Art of Problem Solving in Mathematics”	Department of Mathematics, S. P. University	VV Nagar	5-11, January, 2013.	Resource Person	---
	State Level Seminar on Applications of Mathematics	N. V. Patel College of Pure and Applied Sciences	VV Nagar	29 <sup>th</sup> January 2013	Resource Person	---
	Refresher Course in Mathematical Sciences (MD)	Academic Staff College	Academic Staff College, V.V.Nagar	Nov-19-Dec 09 ,2012	Participated	---
	National Seminar on “Analysis, Geometry and Applications” in this seminar.	Department of Mathematics, S. P. University	VV Nagar	6-7 March, 2013	Presented a Paper	Option Pricing Formulas for Fractional Polynomial Payoff Functions
P.A. Dabhi	National Seminar on “Analysis, Geometry and Applications” in this seminar.	Department of Mathematics, S. P. University	VV Nagar	6-7 March, 2013	Presented a Paper Worked as the Organizing Secretary	Perturbation of the Cartesian product and its stability
	ATM Workshop and International conference on “Recent Advances in Operator Theory and Operator Algebras”	Indian Statistical Institute	Bangalore	December 31, 2012 to January 11, 2013	Invited Talk	Aspects of Banach Algebras in Harmonic Analysis and Operator Theory
A.H. Hasmani	Workshop on Computational Techniques of Geometry in GR and Allied Topics	Department of Mathematics, Aligarh Muslim University	Aligarh	November 16-20, 2012	Resource Person (2 Sessions)	Computations in GR
	International Conference on Differential Geometry and Relativity	Department of Mathematics, Aligarh Muslim University, Aligarh	Aligarh	November 20-22, 2012	Invited Talk Chaired a Session worked as a Judge for the selection of the Young Relativist – competition organized under the auspices of the Tensor Society of India	A Mass Function for the Most General Orthogonal Spacetimes

	XXVII Gujarat Science Congress	PDP Inst. of Applied Sciences, CHARUSAT	Changa		Participant	---
	Seminar on Relativity and Thermoelastisity	Department of Mathematics RTM University	Nagpur	March 2013	Invited Talk (2 Talks)	Algebraic Computations in GR using Mathematica
	National Seminar on “Analysis, Geometry and Applications” in this seminar.	Department of Mathematics, S. P. University	VV Nagar	6-7 March, 2013	Invited Talk	---
	Teachers Training Program	MB Patel Education College	Vallabh Vidyanagar		Resource person	---
D.J. Karia	Teachers Training Program	MB Patel Education College	Vallabh Vidyanagar		Resource person	---
J.M. Patel	Workshop VI “An Art of Problem Solving in Mathematics”	Department of Mathematics, S. P. University	VV Nagar	5-11, January, 2013.	Resource Person (2 Sessions) worked as an Organizing Secretary	---
	Refresher Course in Mathematical Sciences (MD)	Academic Staff College	Academic Staff College, V.V.Nagar	Nov-19-Dec 09, 2012	Participated	---

**DEPARTMENT OF PHYSICS**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Prof. U. H. Patel	National Seminar on Crystallography (NSC-41)	CAS in Crystallography and Biophysics, University of Madras	Chennai	08/10/2012 to 10/10/2012	Poster	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
	National Seminar on Crystallography (NSC-41)	CAS in Crystallography and Biophysics, University of Madras	Chennai	08/10/2012 to 10/10/2012	Poster	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
	National Seminar on Crystallography (NSC-41)	CAS in Crystallography and Biophysics, University of Madras	Chennai	08/10/2012 to 10/10/2012	Poster	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. Modh, K. H. Chikhahia and A. C. Patel

National Seminar on Crystallography (NSC-41)	CAS in Crystallography and Biophysics, University of Madras	Chennai	08/10/2012 to 10/10/2012	Poster	“N-H...N dimer and II...II interactions in molecular structure of 7-(4-methoxy-phenyl)-2,5-diphenyl-7H-pyrrolo [2,3-d] pyrimidine-4-yl-amine, hydrate U. H. Patel, B. D. Patel and D. A. Shah
National Seminar on Crystallography (NSC-41)	CAS in Crystallography and Biophysics, University of Madras	Chennai	08/10/2012 to 10/10/2012	Poster	Synthesis and X-ray crystallographic investigation of silver sulfapyridine, DMF Prof U.H Patel and Rinkesh Barot
XXVII - Gujarat Science Congress 2013	Charotar university of Science and Technology, (CHARUSAT)	Changa	24/02/2013	Poster	Ab-initio, 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
XXVII - Gujarat Science Congress 2013	Charotar university of Science and Technology, (CHARUSAT)	Changa	24/02/2013	Poster	N-H...O, C-H...O and $\pi$ - $\pi$ Interactions in the Molecular structure of N-(4-Methoxy-phenyl) Formamide – X-RAY DIFFRACTION TECHNIQUE U.H. Patel, Sanjay M. Tailor, B.D.Patel, Dhaval A. Shah
XXVII - Gujarat Science Congress 2013	Charotar university of Science and Technology, (CHARUSAT)	Changa	24/02/2013	Poster	---

Prof. P. C. Vinodkumar	DAE symposium on Nuclear Physics	Delhi University	Delhi	04-12-2012	presentation of Paper	Status of Y [10355], Y [10860], Y_b [10888] and Y[11020] bottonia like states
	One day workshop on Learning Outcome based Course Development	Knowledge Consortium of Gujarat, Dept. of Education, Gov. of Gujarat.	LDRP Institute of Research & Technology, Gandhinagar	16-02-2013	Participant	---
Prof. S. H. chaki	International Conference on Material Science (ICMS-2013)	Tripura University	Suryamaninagar, Tripura	February 21-23, 2013	Paper presentation	Synthesis and thermal study of SnS nanowire.
Dr. N. K. Bhatt	Orientation Course	UGC, New Delhi	Academic Staff College, Gujarat University, Ahmedabad	04-03-13 to 31-03-13	Participant	---
	Refresher Course	UGC, New Delhi	Inter-University Centre for Astronomy and Astrophysics (IUCAA), Pune	06-05-13 to 07-06-13	Participant	---

**DEPARTMENT OF PHARMASUTICAL SCIENCE**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Mrs. Bhavna A. Patel	International Conference on “Emerging Trends on Drug Research and Development”	Dhanvantary Pharmacy College	Kim, Surat	30-31 March 2013	Poster Presentation	Development and validation of stability indicating HPTLC Assay method for the simultaneous estimation of Ciprofloxacin hydrochloride and Tinidazole in bulk and Formulation
Miss. Shraddha J. Parmar	International Conference on “Emerging Trends on Drug Research and Development”	Dhanvantary Pharmacy College	Kim, Surat	30-31 March 2013	Poster Presentation	An Overview: Differences in regulatory requirements for clinical trial conduct worldwide

**DEPARTMENT OF BUSINESS STUDIES**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/ Chair person/ presentation of Paper/ Poster/ Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Dr. P. K. Rathod	Shareholders Value Creation and Measurement	Indian Accounting Association Saurashtra Branch, Department of Business Management, Saurashtra University	Rajkot	January 5-6, 2013	Co-chairperson	---
	Issues and Challenges in Accounting and Finance	S. D. School of Commerce, Gujarat University, Gujarat in collaboration with Indian Accounting Association, Gujarat (Ahmedabad) Branch	Ahmedabad	December 23, 2012	Chairperson	---
Dr. S. K. Bhatt	65 <sup>th</sup> All India Commerce Conference	Hinduja College of Commerce	Mumbai.	November 9-11, 2012	Presentation of Paper	An overview of Infrastructure Projects in India
Dr. C. K. Sonara	All India Commerce Conference	K.P.B.hinduja College	Mumbai	9-11 Nov.	Participant	Challenges and Perspectives of Integrated Reporting in Public Sector”
	All India Accounting Conference	Atmiya Institute	Rajkot	6-7 Jan	Participant	---
Dr. R. M. Joshi	National Seminar	I.B.Patel college of Commerce	Nadiad	6 <sup>th</sup> oct.,2012	Presentation of paper	Dimensions of Employer Branding

	All India Commerce Conference	K.P.b.Hinduja College	Mumbai	9-11 Nov.	Presentation of Paper	Dimensions of Employer Branding
Dr. P. R. Sheth	All India Commerce Conference	K.P.b.Hinduja College	Mumbai	9-11 Nov.	Presentation of Paper	Integrated Reporting: Emerging Issues and Future Directions
Dr. Y. M. Dalwadi	International Seminar on Accounting Education And Research and 35th All India Accounting conference	Department of Business Management (MBA Programme) Saurashtra University,	Rajkot	January 5-6, 2013	Participants and Reporters	Impact of 'Investment Planning for young investors' workshop on College Students: A Study of Anand District College Students
	International Seminar on Accounting Education And Research and 35th All India Accounting conference	Department of Business Management (MBA Programme) Saurashtra University,	Rajkot	January 5-6, 2013	Participants and Reporters	Financial Instruments: Disclosures (As-32) - A Study of Disclosure by Selected Information Technology Companies of India
	National conference on Global Issues and Challenges in Accounting and Finance,	S D School of Commerce, Gujarat University and Indian Accounting Association, Gujarat Brach	Ahmedabad	December 23,2012.	Paricipant	Environmental Reporting Practices and Measurement of the Selected Companies of India
	UGC Sponsored National Seminar on "Human Development"	P G Department of Economics	VV Nagar	November 1-2, 2012	Participant	---
	National Seminar on Managing Opportunities, Challenges and Strategies for Sustainable Growth in Current Scenario	Shri. D N Institute of Business Administration	Anand	October 27, 2012	Participant	Impact of Advertisement Expenditure on Sales and Financial Performance of Large Hotel Companies of India'
	one day National Seminar on "Emerging Issues in Competitive Business Environment	I V Patel College of Commerce	Nadiad	October 6, 2012	Participant	A Study of Initiative and Progress of XBRL in India



Miss D. S. Rohit	All India Annual Commerce Conference At K.P.B.Hinduja College Of Commerce, Mumbai University	All India Annual Commerce Conference At K.P.B.Hinduja College Of Commerce, Mumbai University	K.P.B.Hinduja College Of Commerce, Mumbai University	Nov. 9-11, 2012.	Paper Contributed And Presented	Integraed Reporting: The Blending Of Different Accounting Practices
	All India Annual Commerce Conference At K.P.B.Hinduja College Of Commerce, Mumbai University	All India Annual Commerce Conference At K.P.B.Hinduja College Of Commerce, Mumbai University	K.P.B.Hinduja College Of Commerce, Mumbai University	Nov. 9-11, 2012.	Paper Contributed And Presented	Employer Branding: A Strategic Hr Way Of Cooonecting Employess And Soicity.
Mr. S. P.Machhar	Entrepreneurship & Human Resources Development	CED & F.H.Shah Inst. Of Mgmt. & IT- Anand	Anand	03/01/2013	Participant	---

#### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Prof. D. R. Dave	Understanding the Indian Rural consumer	Department of Business Management	Vallabh Vidyanagar	17,18 Feb. 2012.r	Prof. Darshana R. Dave	Utilization of health care facilities by rural women with respect to obstetric health care practice: A study of rural Area of Anand
	Developing Women Business Leaders-Agenda for action	---	New Delhi	20-21 January, 2012.	---	---

Dr. R.M. Rathod	Two Days National level Conference	P.G. Department of Economics	Vallabh Vidyanagar	2-3 November 2012	Presented paper	Status of Human Development in Gujarat: Issues and Challenges
	National Level(UGC Sponsored) seminar on Emerging issues in Competitive Business Environment	I. V. Patel College of Commerce	Nadiad	6 <sup>th</sup> October 2012	(Presented as Co-Chairman in Technical Session	Emerging Issues in Business Management
	National Level Seminar on Understanding Indian Rural Consumers	G.H. Patel P.G. Department of Business Management	Vallabh Vidyanagar	2 <sup>nd</sup> February 2013	Presented paper	Role of Movie Review: A Study with reference to rural and urban youth A Comparative study on effectiveness of Celebrity endorsers and Customers' intention to buy amongst rural and urban consumers
Dr.A.C. Mehta	Entrepreneurship & Human Resource Development	Organised by the centre for Entrepreneurship Development (CED), Gandhinagar and F H Shah Institute of Management and Information Technology,	Anand	3/1/2013	participant	---
	Advances in Business, Management, Engineering, Technology and social Science get presented a paper entitled, "Blower Policy Whistle: Corporate Governance in Textile Industry held on 3 <sup>rd</sup> November, 2012 at Hotel Aurora Towers, Pune.	Choice Institute of Management Studies and Research, Pune	Pune	3/9/2012	Participant in absence	Whistle Blower Policy: Corporate Governance in Textile Industry.
Dr. K.S.Prasad	Three day International Conference : Meeting the challenges of a globalised market.	G.T.U. – Parul Group of Management Institutes	Ahmedabad	23-24-25 Jan'2013	Presented Paper	The Global Challenges and its Impact on HR Managers

	Entrepreneurship and Human Resource Development	Organized by F.H.Shah Institute of Management and Centre for Entrepreneurship[ Development-Gandhinagar	Anand	3 <sup>rd</sup> –Jan-2013	Participant	---
	Business Ethics and Corporate Governance	C.K.Shah Vijapur Wala Institute of Management-Vadodara.	Vadodara	18 <sup>th</sup> -Jan-2013	Participant	---
	HR-Convention – “Shaping A Futuristic HR: Trajectory towards high performance	Anand Institute of Social Works, Anand	Anand	22 <sup>nd</sup> –Jan-2013	Expert	Role of HR towards productivity
	Challenges in Management Disiplines	Anand Institute of Manament, Anand	Anand	28 <sup>th</sup> -March-2013	Chairperson	Management Traps and how to overcome them.

#### DEPARTMENT OF ECONOMICS

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Nanda Patel	Human Development	U G C Sponsored, P G Department of Economics S P University	Deptt. of Economics, VV Nagar	November 1 and 2, 2013	Participation of Paper	---
	Women Empowerment	Women Cell	S P University	Oug, 28 2012	Rapporteur’s Report	---
	Employment policy	Gujarat Economic Conference	N S Patel Arts Collage Anand	Feb, 1, 2 & 3, 2013	Participant	---

	The Live Stock Economics and Socio-Economic Development	12 <sup>th</sup> Gujarat University Economic Teachers Association	S B Patel & R N Amin Comm. Collage Vaso	March 9 <sup>th</sup> ,2013	Resource Person	---
Devraj Ganvit	Poverty as a Social Problem	N.S.Patel Arts Collage, Anand.	Anand.	14 <sup>th</sup> -15 <sup>th</sup> September 2012.	Presentation of Paper	“Poverty and Women in India: Issues for Apprehension”
	workshop on “Budget Analysis Tribal Culture and Rights	Bhasha Kendra, Tejgadh, Ta-Chhota Udepur.	Tejgadh	14 <sup>th</sup> - 15 <sup>th</sup> September 2012.	Participation	---
	Human Development in Gujarat”	P.G.Department of Economics	V.V.Nagar	1 <sup>st</sup> -2 <sup>nd</sup> November 2012	Participation	---
	Development (New Series )	Eighth IIDS (Australia)- IIMS International Conference on Development at Bangkok, Thailand.	Bangkok	17 <sup>th</sup> - 20 <sup>th</sup> December 2012.	Presentation of Paper	Industrial Development in Gujarat: A study on Growth and Performance of Small Scale Industries (SSI)”
	Social inclusion & Social Protection in Gujarat	N.S. Patel Arts College, Anand	Anand	1 <sup>st</sup> and 3 <sup>rd</sup> February 2013	Presentation of Paper	paper on” Social Security in India
	Dr.Ambedakar: The inspirer of Social Reform	Dr. Babasaheb Ambedkar Adhyayan Ekam Prakalp (Chair) and Gujarat Sociological Society.	V.V.Nagar Anand.	27-02-2013	Presentation of Paper	Economic thought Dr.B.R. Ambedkar
	Globalization and Co-operative sector in India	Department of Economics V.N.S.Uni. Surat.	Surat.	15 <sup>th</sup> and 16 <sup>th</sup> March-2013	Presentation of Paper	Sugar Industry in Gandhara Village

Sonal Bhatt	Annual Partners' Meet, IWMI-Tata Water Policy Program, India	International Water Management Institute,	IRMA, Anand	November 28-30, 2012	Presented a paper	Performance of Participatory Irrigation Management: A Study of Two Water Users' Associations in Anand district of Gujarat
	First Dr. Veghese Kurien Memorial lecture on delivered by Prof. M.S. Swaminathan, on at IRMA, Anand	IRMA, Anand	IRMA, Anand	November 26, 2012	Attended	The Cooperative Pathway of Enhancing Rural Livelihood and Nutritional Security"
	A seminar on "Strengthening Panchayati Raj Institutions in Gujarat: Issues Before the Third Finance Commission"	IRMA, Anand	IRMA, Anand	July 21, 2012	Attended	---
Manish Patel	Attended National seminar on Human Development in Gujarat"	Department of Economics.	S.P. University	2 <sup>nd</sup> NOV-2012	---	---
	43rd Annual Conference of Gujarat Economics Association	N.S. Patel Arts College, Anand.	Anand	1st and 3rd February 2013	presentation of Paper	Social Security in India
	ICCSSR Supported National seminar	Department of Economics	VNSGU, Surat	15-16 <sup>th</sup> march-2013	presentation of Paper	Sugar Industry

#### DEPARTMENT OF HISTORY

Name of the Teachers	Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)	Title of the Paper/Poster
Prof. Jigish M. Pandya	Women in Indian freedom movement (UGC sponsored national seminar)	N S Patel Arts College	Anand	25 <sup>th</sup> & 26 <sup>th</sup> Aug. 12	Work as a Chairperson	---
	Educational Importance of the historical Places of Gujarat ( UGC sponsored State level seminar)	Y.S. Arts College	Devgard Baria	21 <sup>st</sup> Sept. 12	Delivered and expert talk on	Importance of Baroda Musium Akshardham for the study of History of Gujarat

	Port towns of Gujarat (International Symposium )	Darshak Itihas Nidhy	Daman	14, 15 &16 Des. 12	Participated as a obzarwar	---
	Gujarat Itihas Parisad	CERLIP	V.V.Nagar	11 <sup>th</sup> &12 <sup>th</sup> Jan.12	---	---
	Sardar Patel : Unification of India ( Local level Symposium)	Sardar Patel Chair and Dept. of History	S.P. Uni. V.V.Nagar	26 <sup>th</sup> feb.12	Chair on one Academic Section Chairperson	---
	Learning outcome based (Workshop)	Knowledge consortium of Gujarat, Government of Gujarat	Gandhinagar	16 <sup>th</sup> feb. 2013	Participated	---
	Indian Dispora in Various Perspectives”	Centre for Indian Diaspora Dept. of Sociology	S.P. Uni. V.V.Nagar	11 <sup>th</sup> &12 <sup>th</sup> March 13	Participated	---
Dr. Hamant Dave	Port towns of Gujarat (International Symposium )	Darshak Itihas Nidhi	Daman	14 -16 Des. 12	Attendance	---
	National Conference on Ramayana	---	Mahuva	22 – 24 July 12	Resource Person	Ramayana: An Archaeological Perspective
	Women’s Texts and Historiography	Uni. of Delhi	Delhi	19-20 feb.13	Paper presentation	Women’s Writing in Gujarati: A historical Perspective
	Orientation Programme for Translators in Gujarati	N.T.M. CIIL,	Mysore	---	Resource Person	Problems of translation of History texts
	Gujaratma kala na pagran	CVM college of fine arts & Guj. Rajya Lalitkala Akadmi	V.V.Nagar	---	Resource Person	Changing conceptions of Gujarat
	Korzybski, General Semantics and literary Theory	B.K.P. Centre for General Semantics, Sahitya Parisad Sahitya Akademi Gujarat	Amdavad	25/12/12	Resource Person	Korzybski and his non Aristotelian Approach

**DEPARTMENT OF LIBRARY & INFORMATION SCIENCE**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Prof. U. A. Thaker	Preparing new generation librarians for meeting future challenges	Adinet & Inlibnet	Ahmedabad	7 <sup>th</sup> August 2012	Resource person	
	GSLET Workshop	UGC GSLET	Baroda	June-2012 November-2012	Research Person	
	Minor Major Research Project Guidance	KCG	Godhara	July - 2012	Research Person	
Dr. N. D. Oza	Preparing new generation librarians for meeting future challenges	ADINET & INFLIBNET	Ahmedabad	7 <sup>th</sup> August 2012	Participant	

**DEPARTMENT OF SOCIAL WORK (MSW)**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/presentation of Paper/Poster/Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Dr. S .D.Mishra	Managing Marketing Opportunities, Challenges, Strategies for Sustainable growth in Current scenario	Shri D.N. Institute of Business Administration	Anand	27/10/2012	Paper presentation	HR Marketing issues and challenges in current scenario

	Emerging issues in competitive business environment	I.V.Patel College of Commerce	Nadiad	6/10/2012	Paper presentation	Effective implementation of Total quality management in organization
	Human Rights in Contemporary India : Social Work Challenge	Dept of Social Work, SPU	Vallabh vidyanagar	27/2/13	Paper presentation	Human rights approach towards pollution free environment
	Refresher course on Advanced Research Methodology	UGC Academic Staff College,	Vallabh Vidyanagar	11/11/2012	Participants	---
DR. Mrs. Bigi Thomas	National Seminar on Human Development	Department of Economics, Sardar -Patel University, Gujarat	Anand	November 1-2, 2012	Presentation of paper	Gender Aspects in Human Development: Evidences from a Tribal District of Gujarat State
	National Level UGC Sponsored Seminar on Human Rights in Contemporary India: Social Work Challenges	Department of Social Work, Sardar Patel University, Gujarat	Anand	26-27 February, 2013	Presentation of paper	Constitutional Remedies for women's Right to Health
	International Seminar on Indian Diaspora in Various Perspectives	Centre for Indian Diaspora, Sardar Patel University	Anand	12/3/2013	Presentation of paper	Migrating Husbands and Left Behind Wives in Kerala
	State Level Seminar on Changing face of HR: Challenges before HR Professionals	Department of Social Work, Sardar -Patel University, Gujarat	Anand	2 <sup>nd</sup> March, 2013	Organiser	---
	Refresher Course in Human Rights	Academic Staff College, Gujarat Vidyapith	Ahmedabad	4/2/2013-24/2/2013	Participant	---
Mrs. Nisha Sangwan	Workshop-Sixth South-South Citizenry Based Development sub-Academy (SSCBDA)	All India Disaster Mitigation Institute	Bhuvneshwar - Odisha	December 9-13, 2012	Participant	---
	National UGC sponsored seminar on – Human Rights & contemporary challenges	Dept.of social Work	Vidyanagar	Feb-2013	Paper Presentation	Human Rights And Environment



	Workshop-Sixth South-South Citizenry Based Development sub-Academy (SSCBDA)	All India Disaster Mitigation Institute	Bhuvneshwar - Odisha	December 9-13, 2012	Participant	---
Ms.Punam Singh	Two Days workshop on – Core HR Practice & Application of Labor Laws	Dept.of social Work	Vidyanagar	27 & 28 Feb-2013	Participant	---
	National 1 s UGC sponsored eminar on – Human Rights & contemporary challenges	Dept.of social Work	Vidyanagar	Feb-2013	Participant & Paper Presentation	Human Rights And Environment
Dr.S.R. Prabhakar	Liberating learning	Prajnam	Ahmedabad	June 2013	Paper Presentation	Value education from womb to infancy
	Workshop on Advanced Research	Gujarat Vidyapith	Ahmedabad	June 2013	Participant	Improving the quality of education
	Human Rights	SPU, DPT Social work	Anand	Jan 2013	Paper Presentation	Human Rights and mentally ill patients
	Human Rights	SPU, DPT Social work	Anand	Jan 2013	Chair Presentation	Human Rights and livelihood

**DEPARTMENT OF POLITICAL SCIENCE**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Prof. Baldev Agja	A multi-stakeholder dialogue	UNNATI (Organization for Development Education) in collaboration with the Social Justice and Empowerment Department, GoG.	Circuit House, Vadodara	07/04/2012	Participated	Multi Stakeholder Dialogue on Inclusive Practices for Mainstreaming Disability
	Gujarat State Level Meeting	M.A. Narmavala, Director, Scheduled Caste Welfare, Gujarat State, Gandhinagar	Circuit House, Anaxy, Ahmedabad	11/04/2012	State Review Representative	Organized Gujarat State Level Meeting
	Review Committee	National Commission for Schedule Castes and Sardar Patel University	M.P. Patel Auditorium, Vallabh Vidyanagar	19/04/2012	Participated	Review Meeting in connection with the Reservation Policy at Sardar Patel University, Vallabh Vidyanagar

	State Level Seminar	BAMCEF, Gujarat State	Mandali, Ta. Mansa, Dist. Gandhinagar	19/05/2012	Chief Guest	State Level Seminar on Thinking of Scoeity State Level Conference The All India Backward and Minority Communities Employed Federation, Gujarat Branch
	Sanman Samiti - Dr. Rameshchandra Parmar Sanman Samaroh	Gujarat State Dalit Civil Society, Ahmedabad	Dr. Babasaheb Ambedkar Hall, Saraspur, Ahmedabad	03/06/2012	State Convener	Dr. Rameshchandra Parmar Sanman Samaroh
	National Seminar	Cetre for Culture and Development, Vadodara	Indian Council of Socaiial Science Research, New Delhi	24, 25 Aug., 2012	Paper Presented	National Seminar on Indian Federalism: Intergovernmental Relations Revisited: Towards a Fresh Balance of Power <b>Paper Sub:</b> “Indian Federalism and Local Self Government”
	State Level Seminar	Nalini Arvind & T.V. Patel Arts College, Vallabh Vidyanagar	Nalini Arvind & T.V. Patel Arts College, Vallabh Vidyanagar	25/09/2012	Participated	U.G.C. Sponsored One-day State Level Seminar on “Research Methodology”
	State Level Seminar	Nalini Arvind & T.V. Patel Arts College, Vallabh Vidyanagar	Nalini Arvind & T.V. Patel Arts College, Vallabh Vidyanagar	27/09/2012	Participated	U.G.C. Sponsored One-day State Level Seminar on “The Present Examination System”

National Seminar	Nalini Arvind & T.V. Patel Arts College, Vallabh Vidyanagar	Nalini Arvind & T.V. Patel Arts College, Vallabh Vidyanagar	29-30 September, 2012	Participated	U.G.C. Sponsored Two-day National Seminar on "Strategies for Innovation in Social and Language Education"
Orientation Programme	Shri D.N. Institute of PG Studies in Commerce, Anand	Mahatma Gandhi Prathana Mandir Hall, D.N. High School Campus, Anand	04/10/2012	Resource Person	One-Day Orientation on UGC GSET/NET Examination
Gujarat State Conference	BAMSEF (Gujarat Satate)	Rukshmaniben Bhavsar Hall, Ramnagar, Sabarmati, Ahmedabad	21/10/2012	Chief Guest of Inauguration Function	Gujarat State First Conference
A Meeting with the Political Counsellors of Germany and France	Gaurav Sharma, Political Advisor on behalf of German Embassy, New Delhi.	PP 581, Purshottam Mavlankar Marg, Opposite Gujarat College, Ellisbridge, Ahmedabad-380 006	04/12/2012	Participated	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.
Member Advisory Committee Meeting	Centre for Social Studies Sponsored by ICSSR (MHRD, Govt. of India)	Ahmedabad	18/01/2013	Participated	Advisory Committee Meeting on ICSSR Sponsored Research Project Title Educational Status of Scheduled Caste: Achievement and Challenges

Research Expert Lecture	Centre for Social Studies Sponsored by ICSSR (MHRD, Govt. of India)	Behavioural Science Centre, St. Xaviers College, Navrangpura, Ahmedabad	31/01/2013	Research Expert	Social Science & Research Methodology
Workshop	Knowledge Consortium of Gujarat, Department of Education, Govt. of Gujarat	LDRP Institute of Research & Technology, Gandhinagar	16/02/2013	Participated	Learning Outcome based Course Development
Workshop	Project Director, Dr. Arjun Patel, Center for Social Studies, Surat	Praudh Sikshan Department, Seminar Hall, Gujarat Vidyapith, Ahmedabad	17/02/2013	Subject Expert	Gujaratna Gramin Vistarona Dalitoni Hijrat” (Daban Aadharit Sthalantar)
International Conference	Gujarat Vidyapith, Central University of Gujarat & McMaster University, Canada	Gujarat Vidyapith, Ashram Road, Nr. Income Tax, Ahmedabad-380014	21-23 February, 2013	Participated	Women, Education and Social Development
National Level Seminar	Department of Social Work, Sardar Patel University, Vallabh Vidyangar	Department of Social Work, Sardar Patel University, Vallabh Vidyangar	26/02/2013	Participated	Human Rights in Contemporary India: Social Work Challenges”

State Level Seminar	Gujarat Sociology Conference in collaboration with Dr. Babasaheb Ambedkar Studies Unit (Chair), Sardar Patel University, Vallabh Vidyanagar	Senate Hall, Sardar Patel University, Vallabh Vidyanagar	27/02/2013	Participant	Dr. Ambedkar : Advocate of Social Reforms
National Workshop	Department of Human Rights and International Humanitarian Laws, Saurashtra University, Rajkot	Saurashtra University Campus, Rajkot-360 005	04/03/2013	Participated	UGC Sponsored National Workshop on Human Rights and Ecological Balance: A Dialogue
International Seminar	Centre for Indian Diaspora, Sardar Patel University, Vallabh Vidyanagar	Senate Hall, Sardar Patel University, Vallabh Vidyanagar	11/03/2013	Participated	Indian Diaspora in Various Perspectives”
State Level Seminar	In Collaboration with Faculty of Social Work and District Backward Classes Welfare Class Welfare Officer, Vadodara	Faculty of Social Work, M.S. University, Baroda	16, 17 <sup>th</sup> March, 2013	Session Chairman	Seminar on the Effective Implementation of Scheduled Caste/ Scheduled Tribes (Prevention of Atrocities) Act 1989 and the Civil Rights Act.”

**DEPARTMENT OF PSYCHOLOGY**

<b>Name of the Teachers</b>	<b>Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia</b>	<b>Name of the organization</b>	<b>Place</b>	<b>Date</b>	<b>Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)</b>	<b>Title of the Paper/Poster</b>
Dr.P.S.Suvera	UGC Sponsored Refresher Course in Research Methodology in Social Science	Academic Staff College, Gujarat University	Ahmedabad	---	Participant	---
	Budget Analysis, Tribal Culture and rights	Akhil Gujarat College and University Adivasi Teacher Association, Student counseling center & Pathey	Tejgadh, Ta. Chhota-Udepur	---	Resource person	---
	ICSSR Sponsored National Seminar on Tribal Development : Perspectives and Issues	Department of Sociology and Social Anthropology, Gujarat Vidyapith	Ahmedabad	---	Presentation of Paper	Emotional Maturity : A Comparative Study of Tribal and Non-Tribal College Students
	State level seminar on Dr. Ambedkar : The Inspirer of Social Reform”	Dr. Babasaheb Ambedkar Chair S.P.Uni. & Gujarat Sociological Society	Vallabh Vidyanagar	---	Presentation of Paper	Encouragement of Women Empowerment by Ambedkar
	UGC & ICMR Sponsored National Seminar in Collaboration with IAAP & RPA on Old Age	Department of Psychology, Jai Narain Vyas University	Jodhpur (Rajasthan)	---	Presentation of Paper	Psychological Well-Being : A Study of Non-Institutionalized aged

	National Seminar on Positive Schooling- Need for an Hour	Post Graduate Diploma in Counseling Psychology Gujarat University	Ahmedabad	---	Presentation of Paper	Psychological Well-Being: A Comparative Study of Sahayak and Permanent School Teachers
	National Seminar on Positive Schooling- Need for an Hour	Post Graduate Diploma in Counseling Psychology Gujarat University	Ahmedabad	---	Chair person	---
Dr.S.M. Makavana	Science research and development	The 99 <sup>th</sup> ISCA, Kolkata-700017	KOLKATA-Capital of W.B.State	3 to 7 January-2013	Paper presentation	A study of School Students among School environment in different school
	Exam reform for better tomorrow	Academic	N.A & T.V.Patel Arts college	24 <sup>th</sup> March-2012	Paper Presentation	Exam reform to develop competitive temperament.
	Indian Parliamentary system and Democracy	P.G.Department of Political Science	Humanities buil.	23-24-Feb-2012	Paper Presentation	Psychological democracy Among M.P.and M.L.A's
	Dr.Babasaheb Ambedakar and Social justice	Dr.B.R. Ambedkar Chair S.P.University & Gujarat Sociological Society	Humanities buil, Attended	27-02-2013	Attended	Attended



## DEPARTMENT OF SOCIOLOGY

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr. J.M. Trivedi	Education of SC/ST: problems and challenges	ICSSR	Surat	4-7-12	Resource person	---
	XXXVIII all India sociological conference	Indian sociological soc.	Udaipur	27-29-12-12	Paper presentation	Cultural pluralism among Indian immigrants living in USA
	National seminar on tribal development: perspective and issues	ICSSR	Ahmedabad	23-24-02-13	Chair person	---
Dr. P.M.Parmar	Impact of Indian Diaspora-NRG	Dept. of Sociology	SPU	9-10-2-12	Participant	---
	Indian political system and challenges	Dept. of political Sci.	SPU	17-18-8-13	Participant	---
	Indian diaspora in India & Abroad	Dept. of Sociology	SPU	17-18-9-13	Participant	---
Dr.R.M. Makwana	International seminar	Dept. of Sociology	SPU	11-12-3-13	Paper presentation	Social-economic impact o Indian diaspora
	International seminar	Dept. of Sociology	SPU	9-10-2-13	Paper presentation	Impact of Indian diaspora on community
	International seminar	Dept. of Sociology	SPU	12-3-13	Paper presentation	Problems & Prospectus of Indian diaspora
	All india sociological conference	All india sociological society	Udaipur	27-29-12-12	Paper presentation	Political violence in india
Dr. I.M. Macwan	International seminar	Dept. of Sociology	SPU	11-12-3-13	Paper presentation	Social impact of Indian diaspora
	International seminar	Dept. of Sociology	SPU	9-10-2-13	Paper presentation	Impact of diaspoa on education system

	International seminar	Dept. of Sociology	SPU	12-3-13	Paper presentation	Social impact of Indian diaspora
	National seminar	Guj. Vidyapith	Ahmadabad	23-2-13	Paper presentation	Socio-cultural perspective of north Gujarat ravalji
	State level seminar	Central university	Gandhinagar	19-20-1-13	Paper presentation	Kinnaro & modernity

### DEPARTMENT OF ENGLISH

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr J H Khan	LVII All India English Teachers' Conference	Department of English, Sardar Patel University	Vallabh Vidyanagar	21 to 23 Dec 2012	Local Secretary and Participant	---
	International Conference of Academic Institutions (ICAI) organized by the Department of Education, Government of Gujarat under Vibrant Gujarat 2013 Summit	Pandit Deendayal Petroleum University	Gandhinagar	9 Jan 2013	University Nominee	---
	UGC-Sponsored International Seminar on Indian Diaspora in Various Perspectives	Department of Sociology, Sardar Patel University	Vallabh Vidyanagar	11 Mar 2013 to 12 Mar 2013	Chaired a Session	---
	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)	Department of English, Sardar Patel University	Vallabh Vidyanagar	18 to 19 Mar 2013	Directed	---

Dr R K Mandalia	LVII All India English Teachers' Conference.	Department of English, Sardar Patel University	Vallabh Vidyanagar	21 to 23 Dec 2012	Coordinator and Participant	---
	National Seminar on Dalit Literature	Arts and Commerce College	Unjha (NG)	Feb 2013	Presentation of Paper	Aesthetics of Dalit Literature
	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)	Department of English, Sardar Patel University	Vallabh Vidyanagar	18 to 19 Mar 2013	Co-Coordinator and Sessional Chair	---
	LVII All India English Teachers' Conference. (Dr P J Dave)	Department of English, Sardar Patel University	Vallabh Vidyanagar	21 to 23 Dec 2012	Co-Coordinator and Participant	---
Dr P J Dave	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)	Department of English, Sardar Patel University	Vallabh Vidyanagar	18 to 19 Mar 2013	Co-Coordinator and Sessional Chair	---
Mr M R Solanki	LVII All India English Teachers' Conference.	Department of English, Sardar Patel University	Vallabh Vidyanagar	21 to 23 Dec 2012	Chaired Accommodation Committee and Participated	---
	UGC-Sponsored National Seminar on Community, Culture and Literature in Post-Independence India	Arts, Science and Commerce College,	Lunawada	31 Jan 2013 to 02 Feb 2013	Presentation of a Paper	Shifting Terrains: Minority Identity, Majoritarian Community and Secular Ethos in Indian English Fiction
	UGC-Sponsored International Seminar on Indian Diaspora in Various Perspectives	Department of Sociology, Sardar Patel University	Vallabh Vidyanagar	11 Mar 2013 to 12 Mar 2013	Presentation of a Paper	Agha Shahid Ali: The Poet of Diasporic Experience

Mr P B Raval	LVII All India English Teachers' Conference.	Department of English, Sardar Patel University	Vallabh Vidyanagar	21 to 23 Dec 2012	Chair of the Abstracts and Papers Committee and Participant	---
	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).	Department of English, Sardar Patel University	Vallabh Vidyanagar	18 to 19 Mar 2013	Participant	---
	UGC-Sponsored International Seminar on Indian Diaspora in Various Perspectives.	Department of Sociology, Sardar Patel University	Vallabh Vidyanagar	11 Mar 2013 to 12 Mar 2013	Presentation of a Paper	The Diasporic Experience and Condition in Kiran Desai's <i>Inheritance of Loss</i>

#### DEPARTMENT OF GUJARATI

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr.Pinakini Pandya	Uttar Gujaratna lokgeeto Vividh Sandharbhe (State level Seminar)	Zaverchand Meghani loksahitya Kendra Ane Arts College	Disa	17/9/12	Resource Person	Uttar Gujaratna Katha GEetoma Motif
	Uttar Gujaratni LokKatha :SampadanAne SanShodhan (State level Seminar)	Gujarat sahitya Akademi	D.N.P. college,Disa	15/2/13	Resource Person	Uttar Gujaratna Authama motif
	Gujarati Pravas Sahitya (State Level Seminar)	Gujarati Sahitya Akademi	Arts College Godhra	Dec/2012	Resource Person	Himalayno Pravas: Kakasaheb kalelkar

Dr.Param Pathak	Journey of Comparative Literature India and Beyond	Comparative lit. Association of Indian Sahitya Akademi	Jadavpur Uni. Kolkota	16-18/Jan13	Paper Presentation	A comparative study of Guj.translation of Sri Arvindo's Savitri
	Promotion of Culture and Quality Through Research	K.C.G. (B.J.V.M.)	V.V.Nagar	6-8 July12	Resource Person	---
	Uttar Gujaratni Lokkathao	Guj.Sahitya Akademi	Disa	15 Feb 2013	Resource Person	Pushkar Chandarvakarni Gujarati Lokkathao
	Jaymal Parmar	Zaverchand Meghani Loksahitya Kendra	baroda	23feb13	Resource Person	Jaymal Parmar :Loksahitya Sanshodhan Karya
	Uttar Gujarat Adivasi Loksahitya	Zaverchand Meghani Loksahitya Kendra &Guj.Tribal Foundation	Ambaji	7,8/3/13	Resource person	Gujarati Adivasi Lok Sahityani Swarupgat Sidhdhant Charcha
R.V.Chaudhri	Journey of Comparative Literature: India & Beyond	Comparative lit. Asso.of Indian Sahitya Akademi	Jadav Pur, Kolkota	16-17/3/13	Paper presentation	---

#### DEPARTMENT OF HINDI

Name of the Teachers	Theme of the Seminar/Conference/Workshop/ Refresher Course/Orientation Course/Symposia	Name of the organization	Place	Date	Nature of the Participation (Resource person/Chair person/ presentation of Paper/Poster/ Participant etc.)	Title of the Paper/Poster
Dr. N.K. Chauhan	National Seminar	Antar Vishvavidyalay Sammelan	Kalikat	12-13- Jun. 2012	Resource Person	Adhunik Hindi Natak Aur Rangmunch

	National Seminar	Dahegam Edu. Society	Dahegam	16/09/13	Resource Person	Hindi Nataya Karyshala
	National Seminar	Uchch Shiksha Vibhag, Uttar Pradesh Shasan Kee Utkrust Kendra Yojana	Lacknow	17-18 Nove. 2013	Resource Person	Gujarat Mein Hindi Aur Hindi Sahitya
	National Seminar	Knowledge Consortium of Gujarat. Gov. of Guj.	Gandhinagar	08/01/13	Resource Person	Adhunik Hindi Natak Kee Pathyakriya
	National Seminar	Heydrabad Vishvavidyalaya & Kendrya Hindi Sansthan, Agra.	Heydrabad	22-23, Feb. 2013	Resource Person	Hindi Alochana Aur Dr. Ramvilas Sharma
Dr. D.S. Tripathi	National Seminar	Sahitya Akadmi, Ghandhinagar	Anand	30/12/12	Resource Person	Samkalin Hindi... Yogdan
	National Seminar	Uttar Pradesh Hindi Sansthan	Baroda	12/01/13	Resource Person	Hindi Katha Sahitya Mein Mahabharat Mithak
	National Seminar	Sahitya Akadmi Gandhinagar	Anand	09/03/13	Chair Person	Hindi Katha Sahitya Mein Tutate Parivarik Sambandh
	State Level Semi.	Sahitya Akadmi Gandhinagar	Santrampur	14/03/13	Resource Person	Gujarat Ke Hindi Navodit Sahityakar
	Training Prog.	U.G.C.	A.S.C. Spu. Vvn	11/03/13	Resource Person	Tulnatmak Sahitya Ka Siddhant
	Orientation Course	H.A.Dept. Gandhinagar	S.P.U. V.V.N.	26/02/13	Participation	---
Dr. M.M. Sharma	Translation Workshop	Ugc – Istitute	N & A. Co. V.V.N.	11/09/12	Resource Person	---
	Drama Workshop	UGC – Insti.	Arts Coll. Dehgam	23/09/12	Resource Person	---
	Ugc Seminar On Mythology	UGC – Insti.	M.S.U. Baroda	13/01/13	Participation	---
	Ugc Semi. Rese. Methodology	UGC – Insti.	Khedbrahma	23/01/13	Resource Person	Res. Methodology
Dr. H.M. Parmar	National Seminar	And. Insti. of P.G	Anand	30/12/12	Participation & Peper Presentation	Usha Priyamvada Ka Upanyas Sahitya

Dr. K.V. Bhokri	Orientation Course	Acad. Staff College	V.V.N.	20/02/13	Participation	---
Dr. S.R. Rathod	National Seminar	C.B.Patel Arts	Nadiad	---	Paper Presentation	Arakshan
	National Seminar	Anand Arts. PG	Anand	---	Paper Presentation	Kath Gulab

### DEPARTMENT OF SANSKRIT

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

### (3) LECTURES ORGANIZED BY THE UNIVERSITY

#### (A) Shri Ishwarbhai Ambalal Patel (Shertha) Visiting Professor/Fellow Programme:

Statement showing the expenditure incurred during the year 2010-11 towards I A PATEL (SHERTHA) Visiting Professorship Programme for the Departments of : (1) Physics, (2) Bio-Sciences, (3) Materials Science, (4) Mathematics, (5) Business Studies, (6) Gujarati, (7) Computer Science and Technology (8) MBA

Sr. No.	Name of the Department	Name & Address of the experts/eminent persons invited	Topics/Subject of Lectures delivered	Date of Lecture/S arranged
1.	Physics	Dr Sujit K Basu, Sr Scientist, Space Application Ceruns, Isro, Ahmedabad	Oceanographic Physics Studies in modelins	08/12/2011 (1 Lects.)

		Dr A D Yadav, Professor, University of Mumbai, Mumbai	'Synthesis of surface/buried layers by ion implantation for semiconductor devices'	24/01/2011 (1 Lect.)
2.	Biosciences	Dr HarishKumar M, Department of Psychology, Miyaraki Medical College, Kihara 5200, Kyotakicho Miyazaki - 88916292 (japan)	Spiruling, Phycocyanin and biotherapies.	01/12/2011 (1 Lect.)
			Artificial Skin and wound healing	02/12/2011 (1 Lect.)
3.	Chemistry	Dr Ravi Ranjan Panday, National Physical Laboratory, Dr K S Krishnan Road, New Delhi -110 012	Importance of Nanotechnology in technological etc	13/02/2012 (2 Lect.)
		Dr U H Pandya, Dy Managar, Execl Crop Care Ltd Bhavnagar	Good Laboratory Practices Attitude	22/02/2012 (2 Lect.)
4.	Materials Science	Dr H C Bajaj, MS University, Vadodara	Carbon Nanomaterials	30/09/2011 (1 Lects.)
		Dr P M Raole, IPR, Gandhinagar	Materials Characterization Technician	30/09/2011 (1 Lect.)
		Mr J K Das, Naskar & Co. Hawarh (West Bengal)	Furness Materials & Construction	18/10/2011 & 19/10/2011 (2 Lects.)
5	Statistics	Prof Tushar N Desai, Associate Professor in Mechanical Engineering Department, SVNIT, Surat	Total Quality Management-Concepts Implementation as well as the case study on it	12/10/2011 (2 Lects.)
		Mr K V Palanichamy, Director- Biostatistics and Statistical Programming In Research Data and Technologies (Pvt) Ltd., Koba- Village, Gandhinagar -382 007	Career with Biostatistics Career in SAS Programming	30/12/2011 (2 Lects.)
6.	Business Studies	Dr Sanjay Bhayani, Associate Professor, MBA Department, Saurashtra University, Rajkot	Corporate Governance: An Overview	28/09/2011 (2 Lects.)
			Corporate Governance and Audit Committee	
		Dr N M Khandelwal, Retd Professor & Head, Department of Commerce, Saurashtra University, Rajkot	Strategic Management Accounting for Decision Making Decision Accounting Relevance of Bhagvat Geeta	26-28 Dec 2011 (3 Lects.)
7.	Gujarati	Dr Shantilal Acharya, Jamnagar	Boli Vigyan	23/09/2011 (2 Lects.)
			Bhash Vigyan na Sansodan	



		Dr Satish Vyas, Ahmadabad	Kam Makanji kiya Chalya Sitanshu Yaschardra Likhit Natyakrutini Visharstao thattha akrutima astitavvadni charcha	18/02/2012 (2 Lects.)
		Dr Vinod Joshi, Professor, Bhavnagar University, Bhavnagar	Sahity and Kala na Sandrba Anya kalao and Sahitynikala	27/12/2012 (2 Lect.)
			Sahityma Rasprkiyano sandrba Anya kalao and Sahityni kala	
		Dr Shirish Panchal, Vadodara	Vevachani paribhash and Gujarati Vevachan	23/02/2012 (1 Lects.)
8.	Computer Science and Technology	Mr Nauzad Kapadia, Quartz System, Mumbai	NET Technology	21-22 Oct 2011 (3 Lects.)
		Shri Dipak Ray, 28 Subhadra Park B/h Utkarsh Vidyalaya, Race Course Vadodara - 390 007	Emergins Trends in IT	07/02/2012 (1 Lect.)
9.	Economics	Dr Kartik M Bhatt, Professor, Gujarat University, Ahmedabad	Monetary Equilibrium Classical and Neoclassical	02/01/2012 & 03/01/2012 (3 Lects)
			Monetary Equilibrium: Modern ISLM	
			Monetary Equilibrium: Walara's and patinlkin's	
		Dr H J Mehta, Department of Economics, M R Arts and Science college, Rejpila, D- Narmada	Meaning, Types of Public Debt. Effects of Public Debt.	02/01/2012 & 03/01/2012 (3 Lects.)
			Methods of Repayment of Public Debt.	
			Trends in public Debt in India	
		Dr R A Joshi, Department of Economics, Saurashtra University, Rajkot	Financins Rural Development	31/01/2012 (1 Lect.)
		Dr M K Patel, Department of Commerce, Bhavnagar University, Bhavnagar	Management Structure of Co- opratives	31/01/2012 (2 Lect.)
			National Co-operative Policy	
10.	MBA	Dr Ram Krishna Vyas, Professor, International Institute of Professional Studies, Devi Ahilya University, Indore (MP)	Strategic Banking Management	24-26 Dec 2012 (3 Lects.)
			Strategic Management	
			Strategic Financial Management	
11.	Mathematics	Prof S K Vaidya, Department of Mathematics Saurashtra University, Rajkot	Graph Theory: Introduction and Applications	06/03/2012 (2 Lects.)

**(B) UGC SCHEMES****(I) GRANT SANCTIONED BY THE 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:-****MAJOR RESEARCH PROJECT**

<b>Sr. No.</b>	<b>Name of the Teacher</b>	<b>Title of the Project</b>	<b>Period</b>	<b>(Lacs)</b>
1.	Dr L M Manocha Department of Materials Science	Development..... nano- composites (30284)	01/07/2011 to 30/06/2014	8.50
2.	Dr (Miss) R H Patel Department of Materials Science	Studies on flame ..... resin system (30201)	01/07/2011 to 30/06/2014	9.69
3.	Dr M N Patel Department of Chemistry	Evaluation of .....metallonuclese (30323)	01/07/2011 to 30/06/2014	8.51
4.	Dr N V Sastry Department of Chemistry	Nanoaggregates.... hydrogeis (30283)	01/07/2011 to 30/06/2014	8.64
5.	Dr H C Trivedi	Photo-Induced ..... sodium alginate (30301)	01/07/2011	11.22

	Department of Chemistry		to 30/06/2014	
6.	Dr P C Vinodkumar Department of Physics	Study of the strong..... ..... quarks (30325)	01/07/2011 to 30/06/2014	7.57
7.	Dr K C Patel BRD School of Biosciences	Curdlan and lipase ..... applications (30305)	01/07/2011 to 30/06/2014	10.56
8.	Dr U B Trivedi BRD School of Biosciences	Utilization of ..... of these PHA's (30309)	1-7-2011 to 30-6-2014	7.73
9.	Dr Pinakini Pandya Department of Gujarati	Cross cultural.....folktales (30146)	01/07/2011 to 30/06/2013	5.89
<b>Total ₹</b>				<b>78.00</b>

### 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-bearer ships and memberships of policy planning and implementation committees of Government agencies like UGC, DAE, NBHM, DBT, DST Sahitya Academy, various universities in Gujarat and outside professional organizations, peer reviewer ship of research journals etc.

**The following described the reorganization and award on by our faculty in the year 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**

<b>Name of the Teacher</b>	<b>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</b>
Dr. Datta Madamwar	Awarded Fellow of Association of Biotechnology and Applied Pharmacy
Dr. T.V. Raman Rao	Fellow, Association of Biotechnology and Pharmacy (ABAP), Conferred on Dec. 20, 2012.
Dr. T.V. Raman Rao	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.

**DEPARTMENT OF CHEMISTRY**

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

**DEPARTMENT OF COMPUTER SCIENCE**

<b>Name of the Teacher</b>	<b>Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.</b>
Dr.D.B.Choksi	honored with inclusion of a biographical-note in 'Asian Admirable Achievers', Vol. VI, published by Rifacimento International, 2012.
Prof. Priti Srinivas Sajja	Name appeared in many Who's Who editions of Rifacimento, India and Marquis, USA.

## DEPARTMENT OF ELECTRONICS

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.
Dr.(Ms)Vibha S.Vaishnav	<b>Received the Best Paper/ Presentation prize to her Paper entitled “Virtual Universities and their Role in Strengthening the Education and Studies of Electronics”</b> at the 17th ISTE Gujarat Convention and a Seminar on Technology Enabled Technical Education : Issues and Perspectives, held at 20 <sup>th</sup> 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 <b>has been cited 114 times</b> (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 <b>has been cited 60 times.</b>

## DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.
Dr. Y. M. Dalwadi	“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.

## DEPARTMENT OF MBA

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

## DEPARTMENT OF ECONOMICS

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.
H.P.Trivedi	Coordinator, UGC Centre for advance studies (CAS-I) Progrmme, Department of Economics, Sardar Patel University, Vallabh Vidyanagar.
D.J.Chauhan	Dy.Coordinator, UGC Centre for advance studies (CAS-I) Progrmme, Department of Economics, Sardar Patel University, Vallabh Vidyanagar.

## DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Name of the Fellowship/Honors/Recognition/Awards/Achievement with details.
Dr. J.M. Trivedi	Recognized as subject expert by GPSC, UPSC, NDDB, NAAC, pandit ravi Shankar university, VNSGU Guj. Uni & Vidyapth.
Dr.R.M. Makwana	Dr. ambedkar award & one lakh rupees rom Got. Of Guj. may 2012

## (B) SPECIALLY RECOGNIZED DEPARTMENTS

<b>Department of Bioscience</b> DBT-IBT Department	<b>Department of English</b> UGC – SAP Department
<b>Department of Chemistry</b> DST – FIST Department Centre of Potential for Excellence in Polymer Science UGC SAP CAS-I Department	<b>Department of Political Science</b> Government of Gujarat Centre of Excellence for Ethics in Politics and Public Administration
<b>Department of Materials Science</b> UGC Centre for Advanced Studies	<b>Department of Business Studies</b> UGC – SAP Department
<b>Department of Physics</b> UGC SAP DSA-I Department	<b>Department of Mathematics</b> UGC - SAP - DRS Department DAE – NBHM – Regional Library
<b>Department of Statistics</b> UGC – SAP Department	<b>Department of Home Science</b> UGC SAP Department UGC- Innovative Programme
<b>Department of MBA</b> UGC SAP DRS-II Department	<b>Department of Economics</b> UGC SAP – CAS – I Department

### (C) FELLOWSHIPS

1. Prof L M Manocha (Materials Science), FNASc, FGSA
2. Prof (Mrs) S L Manocha (Materials Science), FGSA
3. Prof A R Jani (Physics), FGSA
4. Prof K N Joshipura (Physics), FGSA
5. Prof Vinodkumar (Physics), FGSA
6. Prof R M Patel (Chemistry), FGSA
7. Prof D K Raval (Chemistry), FGSA
8. Prof J D Joshi (Chemistry), FGSA
9. Prof H C Trivedi (Chemistry) FGSA
10. Dr M P Patel, (Chemistry), FGSA
11. Prof Datta Madamwar (Boisciences), FGSA
12. Prof K S Rao, (Bioscience) 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)

Name of Organization	Name of Organization	Type of Consultancy (With area)	Period (Date)
Prof. D. R. Dave	Elecon Engineering	Market Research	Two months

##### DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Teacher	Name of Organization	Type of Consultancy (With area)	Period(Date)
Dr. S.D.Mishra	Pratham, New Delhi	Research and Documentation	February, 2012
Dr. S.D.Mishra	Directorate Human Development, Gandhinagar	Research and Documentation	June 2012

## (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.

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

#### (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

Name of the Teacher	Impact
Dr. Datta Madamwar	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
	Member of Biotechnology Council of Government of Gujarat, Gandhinagar
	Member of Governing Body of Gujarat State Biotechnology Mission, Gandhinagar
	Member of Technical Board of Gujarat State Biotechnology Mission, Gandhinagar
	Member of Board of Management of Sardar Patel Renewable Energy Research Institute, Vallabh Vidyanagar
	Member of Advisory Committee of Gujarat Pollution Control Board, Gandhinagar, for the Purchase of Scientific Instruments
	Member of Biosafety Committee of M/s. Zydus Cadila Healthcare Ltd., Ahmedabad



	DBT Nominee for the Institutional Biosafety Committee of (1) Indian Institute of Advance Research, Gandhinagar (2) M/s. Alembic Limited, Vadodara
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**(c) Executive Membership of the Teachers of the Department in any Academic, Government, Non-Government Organization during 2012-13**

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

	Member	Board of Studies in Botany, Bhavnagar University, Bhavnagar	Academic
	Life Member	Indian Science Congress Association	Academic
	Life Member	Medicinal & Aromatic Plants Association of India	Academic
Dr. R.B. Subramanian	Fellow	Gujarat Science Academy	Academic
Dr. Sujata Bhatt	Member	Society of Biological Chemists, IISc Bangalore	Academic
	Member	Association of Biotechnology and Pharmacy, Nagarjuna University, AP	Academic
Dr. Ujjaval Tridevi	Hon. Director	C C Patel Community Science Center, Vallabh Vidyanagar	Academic

## 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

Name of the Teacher	Nature of Contribution
Dr. D. I. Brahmhatt	Member of 'Pariksha Sucharu Samiti' Sardar Patel University Academic
Dr. N. V. Sastry	Appointed as Nodal Officer, DST – PURSE program, SPU for implementation of PURSE program in purchasing equipments etc and creating a central facility
	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
Dr. D. K. Raval	I/C Dean, Faculty of Pharmacy, Sardar Patel University
	Acted as Senior Press supervisor for examinations of Sardar Patel University.
	Worked as one of the coordinators for the data entry center of Sardar Patel University, Nov. Dec., 2012 examinations.
	Expert Member, Selection Committee for Professor in Organic Chemistry, ISTAR, Charutar Vidyamandal, Vallabh Vidyanagar on 8 <sup>th</sup> June, 2012
	Expert Member, Selection Committee for Asst. Prof. in Chemistry, A. N. Patel Institute of Postgraduate studies and Research, Anand on 15 <sup>th</sup> June, 2012
	Member on Local Advisory Committee and Member of Jury, Shri A. N. Patel Institute, Anand in a National Seminar on March 8, 2013
	Expert Member, Selection Committee for Professor/Associate Prof./Asst. Prof. in chemistry at JNV University, Jodhpur on 7 <sup>th</sup> and 8 <sup>th</sup> February, 2013
	Member on Local Advisory Committee, State level One day seminar on “Green India through Green Channels” at Borsad Science College on 2/2/2013

	Organized One Day seminar on <b>entrepreneurship</b> development sponsored by MSME, Ahmedabad on 10 <sup>th</sup> January, 2013 at Chemistry Department
	Organized One Day seminar on <b>entrepreneurship</b> development for Pharma industry sponsored by MSME, Ahmedabad 9 <sup>th</sup> 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
Dr. M. P. Patel	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.,
	One of the committee members of “Programming and Framing of the schedule of teaching and other related aspects”.
	One of the committee members of “Placement Cell” of the department.
	One of the selection committee members of the UGC Meritorious students Research Fellowship.
	One of the committee members of Women cell of Department of Chemistry.
	One of the committee members of Purchase of instruments in Department of Chemistry.
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 55 <sup>th</sup> 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

**(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**

Name of the Teacher	Impact
Dr. N. V. Sastry	Successfully running the UGC – CAS program as its Coordinator and purchased several sophisticated equipments
Dr. N. J. Parmar	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.
Dr. K. R. Surati	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 <i>Chemistry</i> (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>

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr. D. I. Brahmhatt	Member of board of studies in chemistry	Sardar Patel University	Academic
Dr. N. V. Sastry	Senate Member (Govt. Nominee)	Sardar Patel University	Academic
Dr. D. K. Raval	Member	Board of studies, Sardar Patel University	Academic
	I/C Dean	Faculty of Pharmacy	Academic
	Member on Board of Editors	Prajna- A Research Journal of Sardar Patel University	Academic
	Fellow	Gujarat Science Academy	Academic
Dr. M. N. Patel	Member board of studies	Saurashtra university, Rajkot	Academic
Dr. M. P. Patel	Life Member	The Society for Polymer Science (SPS), New Delhi, India	Academic
	Life Member	Indian Council of Chemist (ICC), Agra, India	Academic

	Life Member	The Indian Society of Analytical Scientist, India (ISAS)	Academic
	Life Member	Society for Materials Chemistry, India	Academic
	Member	Board of Study (Chemistry)	Academic
	Member	Adhoc PG Board of Study (Chemistry)	Academic
	Member	The committee to reframe the syllabus for M. Sc. Chemistry	Academic
	Member	The committee to reframe the syllabus for M. Sc. Chemistry as per CBCS	Academic
	Secretary	Sardar Patel University Teacher Association (SPUTA)	Non-Government
	President	JCI Milkcity, Anand	Non-Government
	Executive Member	17 Gam Patidar Samaj, Anand	Non-Government
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

Name of the Teacher	Nature of Contribution
Prof. P V Virparia	Acted as a convener in the State Level Programming Contest (February, 2013)
	Acted as a convener in the State Level Quiz Contest (February, 2013)
	Worked as a judge in the Paper Presentation Competition held at N V Patel College of Pure and Applied Science, V V Nagar on 30-07-2011.
	Worked as a judge in Programming Competition held at V P & R P T P Science College, V V Nagar on 01-02-2013.
	Worked as a judge in Web Designing Competition held at V P & R P T P Science College, V V Nagar on 01-02-2013.
	Worked as a judge in “Best Website Designer “ competition held at SEMCOM College, V V Nagar on 26-01-2013.
	Worked as a committee member for Ph.D. admission process at R K University on 26-11-2011
	Actively involved in non-academic activities organized by the Department
	Provided support to senior students of the department in in-house project development.
Prof. D B Choksi	Act as a resource person for DOEACC, New Delhi.
	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.
	Worked as a member of Library Committee of Sardar Patel University.
	Dr.D.B.Choksi contributed as a Chairman of the PG Teachers/Research Guide Recognition Committee, (Appointment on : 11-09-2012).
	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, CPCCommerce College, Anand, AMCOST, Anand), 17-05-2012.
	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.
	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.
Dr. D.B.Choksi Worked as a member of the Editorial Board of the National Journal of Computer Science & Technology (NJCST), (ISSN: 0975-2463), published by S.V.Institute of Computer Studies, Kadi, SV-ACRID.	

	Dr. D.B.Choksi Worked as a member of the Editorial Board of the International Journal of Computer Science & Systems, (ISSN : 2249-8222), DIT School of Engineering, Greater Noida.
	Dr. D.B.Choksi worked as a reviewer for the National Journal of System and Information Technology (NJSIT) (ISSN : 0974-3308) published by SRIMCA, Bardoli.
	Dr. D.B.Choksi 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.
	Dr. D.B.Choksi worked as a member of the editorial board of the International Journal of Research Issues in Computing Sciences (IJRICS).
	Dr.D.B.Choksi 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”.
	Dr. D.B.Choksi 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.
	Dr.D.B.Choksi 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.
Prof. D M Shah	Worked as a member in departmental committee such as Project Monitoring committee, Library maintenance committee, Entrance test committee, and Budget preparation committee
	Actively participated and worked as a team member in organizing lecture series on various topics.
	Acted as resource person in state level programming contest at Computer Science department, SPU, 9th Feb 2013
	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 secretary for Computer Society of India Vallabh Vidyanagar Chapter.
Prof. Priti Srinivas Sajja	Resource person at many faculty development program at the S P University
	One of the co-ordinator or the Programming quiz (9th February, 2013) Computer society of India, Vallabh Vidyangar chapter
	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
	Member of Board of Studies, Computer Science (S P University, Gujarat, India)
	Member of Special Interest Group on Artificial Intelligence (SIGAI), India
	International Association of Engineers (IAENG)
	Member of Third World Organization for Women in Science (TWOWS), Italy
	Worked as a judge in various IT related competition at postgraduate and graduate level in the region.
	Worked as resource person for more than 8 refresher/orientation courses
	Actively involved in non-academic activities organized by the Department

	Provided support to senior students of the department in in-house project development.
	Act as a resource person for DOEACC, New Delhi.
	Associate editor at International Journal of Computer Science & Applications, India, International Magazine on Advances in Computer Science and Telecommunications, Republic of Macedonia, International Journal of Computational Intelligence Techniques, UK, INFOCOMP Journal of Computer Science, Brazil, Research@ICT: International Journal of Information and Computing Technology, India,
	International Journal of Data Mining and Emerging Technologies
	Editorial review board member Soft Computing, Springer Berlin, Germany, Information Sciences, Elsevier Interdisciplinary Journal of Information, Knowledge, and Management, USA, Journal of Information, Information Technology, and Organizations, USA , Scientific Journals International, USA , International Journal of Computer Science & Emerging Technologies, UK , International Journal of Data Mining and Warehousing, India , International Journal of Soft Computing, AIRCC , International Journal of Computers and Applications, Canada
	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.
	Acted on the judges' panel in the Inter-collegiate C Programming Competition organized by the Anand Mercantile College of Science, Management and Computer Technology, Anand on 7th January, 2012.
	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 Usinf 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**

<b>Name of the Teacher</b>	<b>Impact</b>
Prof. P V Virparia	<b>Editor :</b> National Journal of System and Information Technology
	<b>Editor-in-Chief:</b> International Journal of Research and Reviews in Information Security and Privacy
	<b>Member of Advisory Editorial Board:</b> Research@ICT: International Journal of Information and Computing Technology
	<b>Member of Editorial Board :</b> International Journal of Computer Applications, National Journal of Engineering and Science : Editorial Board
	<b>Associate Editor :</b> International Magazine on Advances in Computer Science and Telecommunications
	<b>Reviewer:</b> International Journal of Advanced Research in Computer Science, World of Computer Science and Information Technology Journal, Universal Journal of Computer Science and Engineering Technology, International Journal of Advanced Computer Science and Applications, National Journal of Computer Science & Systems
	<b>Life Membership: Computer society of India</b>
Prof. D M Shah	<b>Member</b> of Board of Studies, Computer Science, S P University, Vallabh Vidyanagar
	<b>Member</b> of Research Committee at S P University,
	<b>Advisory committee member</b> in RESEARCH@ICT: International Journal of Information and Computing Technology ISSN 0976–5999
	<b>Referee</b> The biannual journal “Advances in Applied Research” “, published by P.S.G.R. Krishnammal College for Women, Coimbatore., RESEARCH@ICT: International Journal of Information and Computing Technology ISSN 0976 – 5999

Prof. Priti Srinivas Sajja	<b>Member</b> Board of Studies, Computer Science (S P University, Gujarat, India), Sr. Life Member and immediate President of V V Nagar Chapter of Computer Society of India (CSI), Special Interest Group on Artificial Intelligence (SIGAI), India, International Association of Engineers (IAENG), Third World Organization for Women in Science (TWOWS), Italy
	<b>Editorial Review Board Member</b> for many international science Journals based at <u>India (2) and USA (7)</u> including Springer.
	<b>Program committee member</b> at several places including <u>10 International programmes.</u>

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Prof P V Virparia	Life Member	Computer Society of India	Academic
	Expert Member of RDC Panel	R K University, Charusat, Kadi Sarva Vishvavidyalaya, SP University, Saurashtra University, Ukka Tarsadia University, Ganpat University, Gujarat Technological University.	Academic & Research
Prof. D B Choksi	Chairman upto Jan 2013 And member thereafter	Board of Studies in Computer Science at Sardar Patel University	Academic
	Nomination Committee member during 2012-13	Computer Society of India, V.V.Nagar Chapter	Academic
	Advisory Committee member	N.V.Patel College of Pure and Applied Sciences, V.V.Nagar.	Academic
	Board of Management member	ISTAR, V.V.Nagar	Academic
	Advisory Committee and Academic Council member	ITM Universe, Vadodara	Academic
	Member of IT & Systems Audit Committee	IRMA, Anand	Academic
	Member of the University Library Committee From 1/4/2012 to 31/3/2015.	Sardar Patel University	Academic
	Expert Member of RDC Panel	Gujarat University, V.N.South Gujarat University, Dr. Babasaheb Ambedkar Open University, DD University, Charusat, Kadi Sarva Vishvavidyalaya, SP University	Academic
Chairman upto Jan 2013 And member thereafter	Board of Studies in Computer Science at Sardar Patel University	Academic	

	Member	Ad-hoc Board of Studies in Biomedical Science and technology & Defense Science & Technology at Sardar Patel University	Academic
Prof. D M Shah	Life Membership	Computer Society of India	Non-Government
	Expert Member of RDC Panel	SPUniversity, Charuset	Academic & Research
Prof. Priti Srinivas Sajja	Expert Member of RDC Panel	SPUniversity, Ganpat University, Gujarat Technological University.	Academic & Research
	Member	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);	Research and Academic
		The World Academy of Research in Science and Engineering (WARSE).	
	Associate editor	International Journal of Computer Science & Applications, India	Research and Academic
		International Magazine on Advances in Computer Science and Telecommunications, Republic of Macedonia	
		International Journal of Computational Intelligence Techniques, UK	
		INFOCOMP Journal of Computer Science, Brazil	
		Research@ICT: International Journal of Information and Computing Technology, India	
		International Journal of Data Mining and Emerging Technologies	
	Editorial review board member	Soft Computing, Springer Berlin, Germany	Research and Academic
Information Sciences, Elsevier			
Interdisciplinary Journal of Information, Knowledge, and Management, USA			
Journal of Information, Information Technology, and Organizations, USA			

		Scientific Journals International, USA	
		International Journal of Computer Science & Emerging Technologies, UK	
		International Journal of Data Mining and Warehousing, India	
		International Journal of Soft Computing, AIRCC	
		International Journal of Computers and Applications, Canada	
	Program committee member	International Conference on Intelligent Systems and Signal Processing (ISSP 2013), Vallabh Vidyanagar, India	Research and academic
		IMPACT - 2012 - National Level Software Exhibition, Jalgaon, India	
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

## 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**

Name of the Teacher	Nature of Contribution
Dr.(Ms)Basumati H.Patel	Member of Advisory committee of DST-PURSE program of S.P.University
	Member of Complain cell of S.P.University
Dr.D.Lakshminarayana	The corporate life at Sardar Patel University, VallabhVidyanagar, 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.
Dr.(Ms)Vibha S.Vaishnav	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.

	Organized in the capacity of Treasurer, SPUTA, a workshop with the joint auspices of Sri Aurobindo Chair of Integral Studies, Vallabh Vidyanagar on “ <b>The Art of Right Living: Practical Guidelines from the Teachings of the Gita</b> ”, on <b>Saturday, 30th March, 2013</b> , 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**

Name of the Teacher	Impact
Dr (Ms) Basumati H Patel	Worked as a member of Workshop organized by UGC NET Buero at National level

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr.(Ms)Vibha S.Vaishnav	Member	Internal Quality Assurance Cell (IQAC), VP & RPTP Science College, Vallabh Vidyanagar – Accredited grade A by NAAC	Academic
	Member, Executive Committee	Sri Aurobindo Sadhana Kendra, Vallabh Vidyanagar	Non Government
	Treasurer	Sardar Patel University Teachers’ Association ( SPUTA)	Non Government
		Invited to be a member of the Advisory Committee/Mentors by the Vardhman Bharati Trust, Wadhwan City for the establishment of the State Level Private University, now known as C.U. Shah University, Wadhwan City.	
Dr.(Mrs)Shahera Patel	Life Member (LM – 405)	Society for materials Chemistry	Academic
	Life Member ( LM – 10803)	Indian Physics Association	Academic
	Life Member	Instrument Society of India	Academic

	Life Member ( LM – 17801)	Indian Society for Technical Education (ISTE)	Academic
	Life Member	Indian Vacuum Society	Academic
	Member	Board of Studies in Electronics, Faculty of Science, Sardar Patel University, V.V.Nagar	Academic
	Member	Convocation Committee, Sardar Patel University, V.V.Nagar.	Academic
	Member	Campus development Committee (CDC), Sardar Patel University, V.V.Nagar.	Academic
	Member	Women's Cell, S.P.University	Academic

### 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.**

Name of the Teacher	Nature of Contribution
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

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/ Non-Government
Dr Namrita Kola	External Member Board of Studies In Garment Production & Expert Management	International College For Girls, Iis University, Jaipur	Academic
Dr Neeta R Dave	Member	Board Of Studies In Foods And Nutrition, Sardar Patel University, V.V.N.	Member

## 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.

Name of the Teacher	Nature of Contribution
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
	Coordinator Central Assessment, Science, Home Science and Library and Information Science.
	Member, Advisory and Programme Committee FM Radio Station of the University
	Convener, Staff API Committee, SPU
A.B. Patel	Worked as a reserved Polling Officer, SPU Senate Election 2012
	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
H.V. Dedania	Hon. Deputy Director, UGC Academic Staff College, Sardar Patel University, Vallabh Vidyanagar
	Member, Board of Studies in Mathematics, Sardar Patel University
P.A. Dabhi	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
	Member, Board of Studies in Mathematics, Sardar Patel University

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
D.J. Karia	Member	American Mathematical Society	Academic
	Life Member	Indian Mathematical Society	Academic

	Life Member	Gujarat Ganit Mandal	Academic
	Member	Vallabh Vidyanagar Society for Mathematical Science	Academic
	Working as a Reviewer	Math. Reviews (The American Mathematical Society)	Academic
	Member	NBHM (Department of Atomic Energy, Government of India) Library Committee, Western Region	Academic
	Nodal Officer	Vibrant Gujarat Summit 2013	Academic
A.B. Patel	Life Member	Indian Mathematical Society	Academic
	Life Member	Gujarat Ganit Mandal	Academic
	Member	Vallabh Vidyanagar Society for Mathematical Science	Academic
H.S. Mehta	Life Member	Gujarat Ganit Mandal	Academic
	Member	Vallabh Vidyanagar Society for Mathematical Science	Academic
A.H. Hasmani	Life Member	Gujarat Ganit Mandal	Academic
	Member	Vallabh Vidyanagar Society for Mathematical Science	Academic
	Life Member	Indian Association for General Relativity and Gravitation	Academic
	Life Member	The Tensor Society of India	Academic
	Life Member, Secretary	Vallabh Vidyanagar Muslim Education Society	NGO

## 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.**

Name of the Teacher	Nature of Contribution
Prof. U. H. Patel	Member of the Board of studies in Physics, Sardar Patel University, Vallabh Vidyanagar
	Co-ordinator of DSA by UGC, New Delhi
	Member of Ph.D./M.Phil committee & syllabus framing
	Two major equipment Single crystal & powder x-ray diffractometer
Prof. P. C. Vinodkumar	Member of the Board of Studies in Physics, Sardar Patel University, Vallabh Vidyanagar



	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 6 <sup>th</sup> 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 Rserch 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 “ <b>Promotion of Culture of Quality through Research</b> ” held for Anand district during July 06 <sup>th</sup> to 08 <sup>th</sup> , 2012 at B. J. V. M. College, Vallabh Vidyanagar. Worked as <b>Organizing Secretary</b> in the one day seminar on “ <b>Current Trends in Research and Applications of Physical Sciences in Gujarat (CTRAPSG-12)</b> ” organized by the Department of Physics in association with Physics Alumni Association, Sardar Patel University held on 29 <sup>th</sup> December 2012.

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Prof. V. M. Pathak	Secretary	Indian Physics Association, V. V. Nagar Chapter	Academic
Prof. K. D. Patel	Secretary	Indian Physics Association, V. V. Nagar Chapter	Academic
Prof. G. K. Solanki	Treasurer	Physics Alumni Association, Dept. of Physics	Academic
	Chairman	Physical Society, Dept. of Physics	Academic

**DEPARTMENT OF BUSINESS STUDIES**

**(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2012-13.**

Name of the Teacher	Nature of Contribution
Dr. P. K. Rathod	Expert member in the Board of Studies in Accounting and Financial Management and Board in the Faculty of Commerce, The M. S, University of Baroda, Vadodara from 1 <sup>st</sup> September, 2011 for a period of three years.

	September 15, 2011: Expert member of the Research Degree Committee in the Faculty of Commerce at Saurashtra University, Rajkot.
	Expert Member in the Board of Studies in Accounting and Financial Management, Faculty of Commerce, M. S. University of Baroda, Vadodara.
Dr. Y. M. Dalwadi	Member of Board of Studies (Accounting Board), Sardar Patel University, Vallabh Vidyanagar.
	Member of Anti-raging Committee at Department level
	EC Member SPUTA 2012-13
	Coordinated NET Coaching Center for SC/ST students, Sardar Patel University, Vallabh Vidyanagar from 1 <sup>st</sup> May to 10 <sup>th</sup> May 2013 for NET Coaching for the NET aspirant students
	Member of Core Committee for M.Phil. and Ph.D. (Commerce) programme of Sardar Patel University.
	Acted as Committee Member for the Course of Contributory Personality Development Programme of Gujarat Technological University on 30-10-2012.
	Worked as Committee Member(Stage Committee) for Convocation of Sardar Patel University.
	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.
	Course Counselor at IGNOU Study Centre (MS-4)
	<b>Training/ Work Shops Conducted:</b> 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.
Miss. D. S. Rohit	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.
	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.
	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
	From this year revised M.com. External syllabus is introduced and I have actively involved in the preparation of the revised syllabus.

**(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.**

Name of the Teacher	Impact
Dr. Y. M. Dalwadi	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.

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr. P. K. Rathod	Chairman	Board of Studies of Commerce, S. P. U.	Academic
	Vice President	Indian Accounting Association, Gujarat Branch, Ahmedabad	Academic
	Expert Member of the Research Development Committee for Ph.D. admission process	Department of Commerce and Business Administration, Saurashtra University, Rajkot.	Academic
	Expert Member	Board of Studies in Accounting, M.S. University of Baroda.	Academic
	Expert Member	Board of Faculty of Commerce, M.S. University of Baroda.	Academic
	Member of Departmental Research Committee	Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar.	Academic
	President	Alumni Association, P.G. Department of Business Studies, Sardar Patel University, Vallabh Vidyanagar.	Academic
Dr. S. K. Bhatt	Counselor	IGNOU, New Delhi & Baba Sahib Ambedkar Open University at Vallabh Vidyanagar Study Centre.	Academic
	Life Member	All India Commerce Association and All India Accounting Association	Academic
	Life Member	The Indian Institute of Public Administration (IIPA) New Delhi.(Membership No.-L 11257.)	Academic
	Joint Secretary	Indian Commerce Association for tenure of 3 years. (2012 to 2015).	Academic
	Vice President	SPUTA	Academic
Dr. C. K. Sonara	Life Member	Indian Accounting Association, Udaipur	Academic

	Executive Member	SPUTA, V.V.Nagar	Non-Government
	Chairman	Board of Accounting, Sardar Patel University	Academic
	Secretary	Alumni Association, P.G.Department of business Studies, Sardar Patel University, V.V.Nagar	Academic
	Secretary	Gymkhana Committee of P. G. Department of Business Studies, Sardar Patel University. Vallabh Vidyanagar	Academic
Dr. R. M. Joshi	Member	Board of Studies in Commerce – S. P. University	Academic
	Member	Board of Studies in Commerce – Bhavnagar University	Academic
	Member	Board of Studies in Management – Bhavnagar University	Academic
	Member	Executive Board - Bhavnagar University	Academic
	Life Member	I.I.P.A New Delhi	Government
	Vice - President	I.I.P.A Local Branch – V.V. Nagar	Government
Dr. Y.M.Dalwadi	Joint Secretary	Alumni Association- Dept of Business Studies	Non-government Organization
	Treasurer	All Indian Accounting Association- Gujarat Branch	Academic Organization
	Secretary	Junior Chamber International: Vallabh Vidyangar	NGO
	Member IQAC Committee	Shri. I V Patel College of Commerce, Nadiad	Academic Organization
Miss D. S. Rohit	Life Member	All India Commerce Association	Academic
	Life Member	Alumni Association Of P.G.Department Of Business Studies, Sardar Patel University	Academic
	Life Member	Sputa	Academic-Teacher's Union

#### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2012-13.

Name of the Teacher	Nature of Contribution
Dr R P Patel	Member, Board of Studies in Management, Bhavnagar University, Bhavnagar
	Member, Editorial Board of <b>Yanbu Journal of Management and Research (YJMR)</b> published by Department of Industrial Management Technology, Yambu Industrial College, Saudi Arabia.

	Member, Editorial Board of <b>Journal of Management “Synergy”</b> (ISSN -0973-922X) published by G. H. Patel PG Institute of Business Management, Sardar Patel University, Vallabh Vidyanagar
	Member, Editorial Board of <b>“Journal of Marketing Trends”</b> (ISSN -0976-0881) published by Institute of Public Enterprise (IPE) Hyderabad, Andhra Pradesh.
	Member, Editorial Board of <b>“National Journal of Research in Management”</b> (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 2 <sup>nd</sup> 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.**

<b>Name of the Teacher</b>	<b>Impact</b>
Prof. D. R. Dave	Member in the departmental committee for undertaking research for Election Commission of India for KABBP Survey in Gujarat
Dr. R.M. Rathod.	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 27 <sup>th</sup> April 2012.
	Resource person in Three day workshop “Promoting of culture of quality through research organized by Knowledge consortium of Gujarat, Department of Education, Government of Gujarat, 27-29 June 2012. at J & J Science College.
	Did field work in Election Survey assigned by Election Commission, Government of Gujarat, at various places such as Bharuch, Kim, Surat, Valsad, Dediapada, Waghodia, 4-5 July 2012. Participated in data analysis and report writing
Dr. K.S.Prasad	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.

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

Name of the Teacher	Name of the Position	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr. R.M. Rathod	Vice President (Training )	Junior Chamber International – Vallabh Vidyanagar	Non-Government
	Secretary	Sardar Patel University's Teachers Association	Academic
	Executive Member	Indian Institute of Public Administration, Vallabh Vidyanagar Branch	Academic
	Member in Team Editor	Shilshrutam – News Bulletin of Sardar Patel University	Academic
Dr. K.S.Prasad	Secretary	Anand Viyanagar Leadership Association	Non-Government – Industrial Association

**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.**

Name of the Teacher	Nature of Contribution
H.P.Trivedi, D.J.Chauhan , J.K.Barot Manish Patel	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

**(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**

Name of the Teacher	Impact
H.P.Trivedi	Member Ph.D. Pre Registration RDC Meeting
	Member Planning and Monitoring Board, Sardar Patel University, Vallabh Vidyanagar

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr. H.P.Trivedi	Dean, Faculty of Arts	Sardar Patel University, V.V.Nagar	Academic
	Member of Budget Committee	Sardar Patel University, V.V.Nagar	Academic
	Member of Press Committee	Sardar Patel University, V.V.Nagar	Academic
	Expert Member, Research Committee, P.G. Department of Home Science	Sardar Patel University, V.V.Nagar	Academic
	Member of Research and Development Committee,	Saurashtra University, Rajkot.	Academic

Dr. D.J. Chauhan	Executive Member, SPUTA	Sardar Patel University, V.V.Nagar	Academic
	Managing Editor, Artha Vikas, Journal Published By Department of Economics	Sardar Patel University, V.V.Nagar	Academic
	Chairman, Board of Studies in Economics	Sardar Patel University, V.V.Nagar	Academic
	Life Member Gujarat Economic Association, Ahmedabad	Academic	Life Member
	Life Member Indian Economic Association, Mumbai	Academic	Life Member
	Executive Member Student Harassment Cell, S. P. University	Academic	Executive Member
	Executive Member University Ladies Hostel, S. P. University	Academic	Executive Member
	Executive Member P. G. Department, Gymkhana Committee, S P University	Academic	Executive Member
	Member Board of Studies, S. P. University	Academic	Member
Dr. Sonal Bhatt	Member: Women's Cell, Department of Economics	Sardar Patel University, V.V.Nagar	Academic
	Member: Student Harassment Cell, Department of Economics	Sardar Patel University, V.V.Nagar	Academic
	Assistant Editor of Artha Vikas Journal Published By Department of Economics	Sardar Patel University, V.V.Nagar	Academic
	Member of Board of Studies, Economics,	Sardar Patel University, V.V.Nagar	Academic
Shri J.K. Barot	Member of Board of Studies, Economics,	Hemchandracharya North Gujarat University, Patan.	Academic

## 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.

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

(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

Name of the Teacher	Impact
Dr. Hamant Dave	Called upon to join Darshan Itihas Nidhi (DIN), Vadodara, as Permanent Co-Opded Member (21/2/2013). DIN is a Premeve institution and develop enhance historical learning and research, and has arranged several international symposia on history of Gujarat.

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Prof Jigish M Pandya	Member	Board of Studies in History	Academic
		Sardar Patel University, VV Nagar	Academic
		Bhavnagar University, Bhavnagar	Academic
		Saurashtra University, Rajkot	---
		VeerNarmad South Gujarat University, Surat	Academic
	Member	Indian Historical Record commission, New Delhi	Academic
	Member	Indian History Congress	Academic
Vice President	Itihash Adhyapak Mandal, Ahemedabad	Academic	
Member	National Archives of India New Delhi	Academic	



Dr D C Chaudhari	Member	Bord of studies in History SP Univresty	Academic
	Member	Indian History Congress	Academic
	Member	Itihas Adyapak Mandal Ahemedabad	Academic
Dr Hemant Dave	Permanent Co-opted. Member	Darshk Itihas Nidhi, Vadodara	Academic
	Member	Board of studies, History, S. P. University.	Academic

## DEPARTMENT OF LIBRARY & INFORMATION 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.**

Name of the Teacher	Nature of Contribution
Prof. U. A. Thaker	Participation in the academic visit of the students of BLISc and MLISc at various Library at Ahmedabad
	Member of Curriculum committee at different Universities in Gujarat
	Lectures delivered on Reading Habits under "VANCHE GUJARAT" Programme at N. V. Patel Science College, Vallabh Vidyanagar
	How to review the book for LIS Students
	How to face the Interview
Dr. N.D. Oza	Participation in the academic visit of the students of BLISc and MLISc at various Library at Ahmedabad
	Participated in Syllabus restructuring Committee
	Resource person for the Department in Life Enrichment Studies and Soft Skill paper under CBCS Courses

**(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.**

Name of the Teacher	Impact
Prof U A Thaker	National Level Expert Committee, UGC
	Subject expert, State level committee, GSLET
	Member of Selection committee in all universities of Gujarat and out of Gujarat
	Academic and curriculum committee, Gujarat University, Gujarat Vidyapith
	Member of RDC, Saurashtra University- Rajkot, Avadh University- Udaipur and other universities.
	Chairperson, Board of Studies on Library & Information Science, S.P.University

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

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

**DEPARTMENT OF SOCIAL WORK (MSW)**

**(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2012-13.**

Name of the Teacher	Nature of Contribution
Dr. S.D.Mishra	Organizing committee member at Sardar Patel University Convocation Programs
Dr. S.D.Mishra	Committee member in various Administrative Task of Sardar Patel University

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

<b>Name of the Teacher</b>	<b>Impact</b>
Dr. S.D.Mishra	Project Associate : Baseline survey of Knowledge, Attitude, Behavior, Belief and Practice Amongst Voters of Gujarat April 2012
	Member at National Social Work Consultation organized TISS
Dr. Bigi Thomas	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.
	Member, Committee for Students Counseling cell constituted by S. P. University.
	N.S.S camp Co-ordinator, Department of Social work, held in the month of March, 2013.

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

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

## 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

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

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Prof. Baldev Agja	Review Expert Committee Member	Constituted by the University Grants Commission Chairman for on-the spot-inspection of the Gandhigram Rural Institute, Gandhigram- 324 302, Dindigul District, Tamil Nadu, during 7-9 January, 2010	Academic
	Expert Committee Member	Constituted by the University Grants Commission Chairman to consider the proposal of Davangere University, Davangere, Karnataka for its inclusion under Section 12(B) for receiving central assistance. The Committee will also consider the proposal of the University for assistance under XI Five Year Plan.	Academic
	UGC Nominee	Planning and Monitoring Board of Kannur University, Kannur, Kerala for a period of 4 years.	Academic

Research Committee Member	Gandhi Peace Foundation, New Delhi, in association with Gujarat Vidyapith and the University Grants Commission propose to organize an Orientation Course for the Co-ordinations of the Centres of Gandhian Studies in the Universities and Colleges.	Academic
Expert Committee Member	UGC has constituted an Expert Committee member, Malankara Catholic College, Mariagiri, Kaliakkavilai Post, Kanyakumari District-629 153, Tamil Nadu affiliated to Manonmaniam Sundaranar University, Abishekapatti, Tirunelveli-627 012	Academic
Co-ordinator, NET Coaching Centre	UGC Scheme New Delhi S.P. University	Academic
Life Member	The Indian Political Science Association (IPSA)	Academic
Life Member	Indian Institute of Public Administration	Academic
Regional Secretary	Political Science Association (Gujarat Rajyashastra Mandal-GRM), Ahmedabad	Academic
Vice-President & Life Member	Gujarat State Scheduled Caste/Scheduled Tribes Teaching and non-teaching Mahamandal, Visnagar	Academic
Counsellor	EPS-1.3.5.6, Study Centre, Vallabh Vidyanagar, Indira Gandhi National Open University (IGNOU), New Delhi	Academic
Former Secretary	Sardar Patel University Teacher's Association (SPUTA), Vallabh Vidyanagar	Academic
Advisory Member	Centre of Excellence for Ethics in Politics and Public Administration funded by the Government of Gujarat. (S.P. University)	Academic
Member	Board of Studies in Political Science, Sardar Patel University, V.V. Nagar	Academic
Member	Board of Studies in Political Science, Bhavnagar University	Academic
Member	Board of Studies in Political Science, in Krantiguru Shyamji Krishna Verma, Kachchh University, Bhuj	Academic

	Guide for Ph.D	Political Science, Sardar Patel University, V. V. Nagar	Academic
	Guide for Ph.D.	Peace Studies and Resolving conflict in Gujarat Vidyapith, Ahmedabad	Academic
	Guide for Ph.D.	Political Science in Krantiguru Shyamji Krishna Verma, Kachchh University, Bhuj	Academic
	Regional Secretary	Gujarat Rajyasashtra Mandal, V.V. Nagar	Academic
	Founder Secretary	Dr. Ambedkar Pragati Mandal, Akhaj, Dist. Mehsana Gujarat	Academic
	Life Member	Sant Shri Rohidas Seva Samaj Gujarat, Gandhinagar	Academic
	Life Member	Mahesana District Nagrik Mitra Mandal, Anand, V.V. Nagar	Academic
	Active Member	“Kadam” Manav Sangh, Anand	Academic
	Active Member	Council for Social Justices, Ahmedabad	Academic
	Executive Member	Gandhi Shanti Chhatra Sangha, Ahinsha Sodh Sanstha, Gujarat Vidyapith, Ahmedabad	Academic
	Member	Advisory committee NET coaching centre for SC/ST & Minorities U.G.C., New Delhi Scheme in Bhavnagar University, Bhavnagar.	Academic
	Member	AIFUCTO (All India Federation of University & College Teachers Organisations), Kolkata, (West Bengal).	Academic
	Member	Exam Reforms Unit, Sardar Patel University, V.V. Nagar	Academic
	Member	Vidyalaya Management Committee (VMC), Central School, V.V. Nagar	Academic
Ms. Ranjana C. Dholakia	Member	Grm Executive Committee	Academic
	Member	Sputa General Body	Academic
Mr. Hitesh R. Patel	Member	SPUTA (Sardar Patel University Teacher’s Association)	Academic
	Member	Gujarat Rajyasashtra Mandal	Academic

## DEPARTMENT OF PSYCHOLOGY

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2011-12

Name of the Teacher	Nature of Contribution
Dr. 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 <b>Aurobindo Chair of Integral Studies</b> from M.A Semester –II- Life enrichment course-November-December -2012
	Participation and presented the paper in academic ISCA-3 <sup>rd</sup> to 7 <sup>th</sup> January 2013

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

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

## 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

Name of the Teacher	Nature of Contribution
Dr R H Makwana	Member, University Advisory Committee for SC/ST, SPU

**(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.**

Name of the Teacher	Impact
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**

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr. J.M. Trivedi	Social scientist	NDDB, Anand	Govt.
	Member coordinator	NAAC, Bangalore	Academic
	Subject expert	Guj. vidyapth, Bhavnagar uni, VNSGU Surat	Academic
	Director of centre	Committee for area studies, UGC, New Delhi	Academic
Dr.P.M.Parmar	Member	BOS, SPU	Academic
	Member	Gujarat sociological society	Academic
	Member	Indian sociological society	Academic
Dr.R.M. Makwana	Ex. Member	BOS – Sociology, SPU	Academic
	Ex. Member	BOS – Sociology, kutchchh Uni	Academic
Dr. I.M.Macwan	Ex. Member	Gujarat sociological society	Academic
	Member	BOS	Academic
	Member	SPUTA	Academic
Dr. H.N.Patel	Life member	Gujarat sociological society	Academic
	Member	All Indian sociological society	Academic
	Member	BOS, SPU	Academic



## DEPARTMENT OF ENGLISH

(a) Contribution of the Teachers of the Department to the Corporate Life of the University (Participation in any academic, curricular, extra curricular activity with specific details such as membership in any committee, participation etc) during 2012-13

Name of the Teacher	Nature of Contribution
Dr J H Khan	Honorary Director, NV Patel Postgraduate Department of Communication and Media Studies, Sardar Patel University, Vallabh Vidyanagar (01 July 2008 onward)
	Honorary Director, International Students Centre, Sardar Patel University, Vallabh Vidyanagar (19 August 2006 onward).
	Honorary Director, Centre for Training and Research in Language and Communication, Sardar Patel University, Vallabh Vidyanagar (01 June 2004 onward).
	Director, LETS Programme, Sardar Patel University, Vallabh Vidyanagar (23 September 2011 onward)
	Professor-in-Charge, Humanities and Social Sciences Building, Sardar Patel University, Vallabh Vidyanagar (10 February 2010 onward).
	Coordinator, UGC SAP-DRS (Phase-II), Department of English, Sardar Patel University, Vallabh Vidyanagar (01 April 2009 to 31 March 2014)
	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).
	Chairman, Ad hoc Board of Communication and Media Studies, Sardar Patel University, Vallabh Vidyanagar (01 July 2008 onward)
	Member, Library Committee, Sardar Patel University, Vallabh Vidyanagar (01 June 2009 onward).
	Member, Library Purchase Committee, Sardar Patel University, Vallabh Vidyanagar (10 February 2010 onward).
	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)
	Member, College Development Council, Sardar Patel University, Vallabh Vidyanagar (01 June 2011 to 31 March 2012)

## 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.

Name of the Teacher	Nature of Contribution
Dr.Pinakini Pandya	Member of Women cell
	Member Of ICQA
	Chairman, R.P.G.
	Member of Advisory committee of ladies hostel
	Member of library committee
	Member of board of studies in Guj.,S.P.U

Dr.Bhagirath Brahmbhatt	Senate member of S.P.U
	Member of Board of Studies in Guj.,S.P.U
	Member of R.P.G. in Guj.
	Member of youth Festival
Dr.Param Pathak	Chairman,Board of Studies in Guj.
	Member of R.P.G
	Member of Search Committee for Various Chair Persons
	Member,Adhok Board Of Sardar Patel Studies
	Member,Aurbindo Chair &Integral Studies
	Chief editor of University news bulletin:sheel Shrutam
	Co-Ordinator of life enrichment course
Dr.Jayendra Patel	Member Of youth Festival committee
	Member Of R.P.G. in Gujarati Dept.

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr.B.R.Brahmbhatt	Co-opt Member	S.N.D.T. Mumbai, Board of Studies.	Academic
	Co-opt Member	Gujarat Uni. Linguistics Department, Ahmedabad	Academic
	Member	Jnanpith Award Nirnayak samiti For Gujarati	Academic
	Member	Darshak Award committee	Academic
	External member	R.P.G. Rajkot	Academic
	Member	NET, New Delhi	
Dr.P.D.Pandya	Member	International study for Irish Literature, Ireland	Academic
	Member	Advisory committee of SAP,S.N.D.T. Mumbai	Academic
	Member	GSET Exam.	Academic
Dr.Param Pathak	Co-opt member	Board of Studies in Guj.(Bhavnagar) ,, Baba saheb Ambedkar Uni.	Academic
	Member	R.D.C. in Guj. & comparative literature, South Guj. Uni.	Academic
		,, in Guj. Uni. Ahmedabad	Academic

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

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

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Dr. N.K.Chauhan	Member	Board Of Studies In Hindi, S.P.Uni	Academic
	Member	Sputa	Academic Non-Govt.
	Member	P.W.A.	Academic Non-Govt.
	Member	Yuvakbiradari, Mumbai	Cultural & Academic
	Prasident,	'Hau' Lalit Kala Munch, V,V,Nagar	---
	Nodel Officer,	S.P.University	Govt.
Dr. D.S.Tripathi	Member	Board Of Studies In Hindi	S.P.University Academic
	Member	Board Of Studies In Hindi, M.S.Uni.	Baroda
	Member	Hindi Sahitya Parisad	Dept. Hindi Allahabad Uni.
	Member	Sputa	S.P.University (Non-Govt.)
Dr. M.M.Sharma	Member	Bord Of Studies In Hindi, S.P.Uni	Academic Non-Govt.
	Member	Sputa	S.P.University (Non-Govt.)
Dr. H.M.Parmar	Member	Board Of Studies In Hindi	Academic, S.P.Uni. V.V.Nagar
	Member	Sardar Patel University Teacher Association (Sputa)	Hindi Dept. S.P.Uni

Dr. K.V.Bhokri	Member	Sputa	Hindi Dept. S.P.Uni.
Dr. S.R.Rathod	Member	Pathya Pustak Mandal	Ahemdabad
	Member	Sputa, University Teacher Association Representative	Hindi Dept. S.P.Uni.

## 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

Name of the Teacher	Nature of Contribution
Prof. Dr. Niranjan Patel	'Shilshrutam' University News letter, Editor
	'Pragna' University Journal, Editor

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

Name of the Teacher	Name of the Position Held	Name of the Organization	Nature of the Organization Academic/Government/Non-Government
Prof. Dr. Niranjan Patel	Life Member	AIOC Puna	Academic
	Life Member	Akhil Bharatiya Darshan Parishad, Jabalpur	Academic
	Chairman	Board of studies, Sanskrit, S.P. University, V.V. Nagar	Academic
	Member	Faculty of Arts, S.P. University, V.V. Nagar	Academic
	Life Member	Gujarat State Colleges and University, Sanskrit Teacher's Association	Academic
	Member	Sardar Patel Univesity Teacher's Association - SPUTA, V.V. Nagar	Academic
	Life Member	Charotar Sanskrit Parishad, V.V. Nagar	Academic
	Member	Academic Council, S.P. University, V.V. Nagar	Academic
	Co-Up Member	Ved Vidya Pratishthan, Vadodara	Academic
Dr. Prafull V. Joshi	Member	Board of studies, Sanskrit, S.P. University, V.V. Nagar	Academic
	Member	Faculty of Arts, S.P. University, V.V. Nagar	Academic
	Life Member	Gujarat State Colleges and University, Sanskrit Teacher's Association	Academic
	Life Member	Saurashtra Sanskrit Adhyay Parrishad, Rajkot	Academic
	Member	Sardar Patel Univesity Teacher's Association-SPUTA, V.V. Nagar	---
	Member	Charotar Sanskrit Parishad, V.V. Nagar	---

Dr. Mahesh G. Patel	Member	Sardar Patel University Teacher's Association-SPUTA, V.V. Nagar	---
	Member	Faculty of Arts, S.P. University, V.V. Nagar	---

### (3) PROCESSES DEVELOPED/ RELEASED BY THE POSTGRADUATE DEPARTMENTS

#### DEPARTMENT OF BIOSCIENCES

Name of the Teacher	Details of Process	Period (Date)
Dr. Datta Madamwar	Isolation of high molecular weight Metagenomic DNA from highly polluted soil	---
Dr. Datta Madamwar	Purification of phycobiliproteins from Cyanobacteria	---

#### DEPARTMENT OF PSYCHOLOGY

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

### 3.7 RESEARCH AWARDS/PRIZES/SCHEMES OPERATED BY THE UNIVERSITY AND THE AWARDEES OF 2012-13.

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

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

9	Mr.Anustup Shiladitya Gupta	M.Sc. Department of Computer Science	10,000/-
10	Ms. Rachana Vijaykumar Gohel	M.Pharm, Department of Pharmaceuticals Science	10,000/-
11	Ms.Ashaben Rameshbhai Thakor	M.A Department of Gujarati	10,000/-
12	Mr.Bharatkumar Paragbhai Vankar,	M.A Department of Hindi	10,000/-
13	Ms. Priyanka Sunilkumar Jani	M.A. Department of English	10,000/-
14	Mr.Shaileshkumar Mohansinh Raulji	M.A. Department of Sanskrit	10,000/-
15	Mr. Prafullsinh Narendrasinh Mahida	M.A. Department of Economics	10,000/-
16	Ms.Nilamben Mukundbhai Suthar	M.Com. Department of Business Studies	5,000/-
17	Mr. Pratik Vijaykumar Majmudar	M.Com. Department of Business Studies	5,000/-
18	Ms. Tanviben Pratapbhai Chaudhari,	M.A. Department of History	10,000/-
19	Mr.Chandrakant Mangalbhai Vankar	M.A.Department of Sociology	10,000/-
20	Mr. Taralika Vrajlal Sojitra	M.A. Department of Psychology	10,000/-
21	Mr.Dipeshkumar Dineshbhai Panchal	M.A. Department of Political Science	10,000/-
22	Ms.Priyankaben Philipbhai Rathod,	M.Ed.Department of Education	10,000/-
23	Mr.Hetalkumar Govindbhai Rathod	M.Lib.Department of Master of Library & Inf. Science	10,000/-
24	Ms.Binaya Parajuli	M.B.A. Department of Master of Business Administration	10,000/-
25	Mr. Joseph Jovee	M.S.W, Department of Social Work	5,000/-
26	Ms.Rebecca Mark Redrigues	M.S.W Department of Social Work	5,000/-

### 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 Bhagavad 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 dose 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 26<sup>th</sup> 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 STUDISES 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

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



### **(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

Name of the Teacher	Nature of the Extension work with details
Prof Datta Madamwar	I have always been associated with various community awareness programmes.

#### DEPARTMENT OF CHEMISTRY

Name of the Teacher	Nature of the Extension work with details
Dr N J Parmar	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.
	Enrichment of Campus Life (hostels, sports, games, cultural activities) Involved in sport activities, youth festival and other various competitions at departmental and university level.
	Students Welfare and Discipline: Inspire students to solve their practical difficulties. Guide them with better prospects in the field. Also support the campus interview by expert from well known industries for selecting our students for their firm. Professional Organizations of Teachers: a member of the Sardar Patel University Teacher Association (SPUTA)

#### DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY

Name of the Teacher	Nature of the Extension work with details
Prof. P V Virparia	Provided necessary technical and software development guidelines to MCA-5 and MCA-6 semester students during their software project development.
	Served as an expert in Ph.D. evaluation and viva-voce.
	Activities such as syllabus framing, paper setting, moderation of papers, and project viva for a few Universities and a national level education society.
	Served as an expert in faculty recruitment for many institutions.
	Member of Local Inquiry Committee and On the Spot Committee.
Prof. D B Choksi	Guidance given to MCA 506, MCA 601 and MBI – 401 students for project
Prof. D M Shah	Guidance given to MCA 506, MCA 601 and MBI – 401 students for project
Prof. Priti Srinivas Sajja	Provided necessary technical and software development guidelines to PGDCA, MCA and MSC students. Guided MCA senior student's projects.
	Improved web-page (please refer pritisajja.info) and provided research guidance in computer science along with the biographical information.

	Served as an expert in Ph.D. evaluation and viva-voce.
	Activities such as syllabus framing, paper setting, moderation of papers, and project viva for a few Universities and a national level education society.
	Served as an expert in faculty recruitment for many institutions.
	Acted as judge/resource persons for many programmes at local and national level.
	Active participation in many international / national academic events in different capacities.
	Made syllabus detailing and material available online.
Mr. B B Patel	Guidance given to MCA 506, MCA 601 and MBI – 401 students for project
Dr. Jeegar A Trivedi	Provided necessary technical and software development guidelines to PGDCA, MCA and MSC students. Guided MCA senior students projects.
	Made syllabus detailing done for PGDCA and MSC IT.
Dr. B V Patel	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.
	Attended seminar on “Software Testing” in Department of Computer Science & Technology, S.P.U. by Prof. M. L. Saikumar, Institute of Public Enterprise, Hyderabad on 1st August, 2012.
	Attended seminar on “Investment Plan for Retirement” at Department of Chemistry, Sardar Patel University, Vallabh Vidyanagar by Mr. Yagnesh Dalvadi (Asst. Prof., Dept. of Business Studies, Sardar Patel University, Vallabh Vidyanagar) on 6th August, 2012.
	Attended lecture on “INDIA: Its Past, Present, Future) at Gyanoday (S. P.U.) by Prof. Harish Padh (S. P. U.) on 16th August, 2012.
	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.
	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.
	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.
	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
	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
	Provided necessary technical and software development guidelines to PGDCA, MCA and MSC students. Guided MCA senior students projects.
	Made syllabus detailing done for PGDCA and MSC IT.

## DEPARTMENT OF ELECTRONICS

Name of the Teacher	Nature of the Extension work with details
Dr.D.Lakshminarayana	General contribution only
Dr.(Ms)Vibha S.Vaishnav	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.
Dr.(Mrs)Shahera Patel	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 ”

## DEPARTMENT OF HOME SCIENCE

Name of the Teacher	Nature of the Extension work with details
Dr.Rema Subhash	Assisted In Conducting National Nutrition Week In The Department From September 1 <sup>st</sup> 2012 To September 7 <sup>th</sup> 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”
Ms.Viraj Roghelia	Delivered A Talk On “Dietary Trends In Diabetes”At Agrawal Mahila Samaj, Anand As A Part Of National Nutrition Week Celebration In September, 2012. At Jagrut Mahila Sangathan, Anand.
Dr.Neeta R. Dave	Took Active Participation In National Nutrition Week Celebration.

## DEPARTMENT OF MATHEMATICS

Name of the Teacher	Nature of the Extension work with details
D.J. Karia	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.
	Organized a Seven Day Workshop on Problem Solving in Mathematics.
	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.

## DEPARTMENT OF PHYSICS

Name of the Teacher	Nature of the Extension work with details
Prof. P. C. Vinodkumar	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 <sup>th</sup> Nov 2012 jointly with CSC, Sardar Patel University, Vallabh Vidyanagar.
Prof. S. H. Chaki	Worked as Judge at the World Environment Day Celebration at the C. C. Patel Community Science Centre, Sardar Patel University, Vallabh Vidyanagar on 5 <sup>th</sup> June 2013.

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.
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### DEPARTMENT OF BUSINESS STUDIES

Name of the Teacher	Nature of the Extension work with details
Dr. Y. M. Dalwadi	Blood donation camp, extending service to old age people on Valentine day, active participation in Projects , Salute the salient worker Welcoming of students of 10 <sup>th</sup> and 12 <sup>th</sup> 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.

### DEPARTMENT OF BUSINESS ADMINISTRATION (MBA)

Name of the Teacher	Nature of the Extension work with details
Dr. R.M. Rathod	Conducted Full Day Training at Bharuch on Effective Public Speaking – 15 <sup>th</sup> April 2012.
	Organized Two Empowering Youth (One week Training Programme) at M.U. Patel High School and G.J. Sarda Mandir School, Vallabh Vidyanagar, 9 <sup>th</sup> July to 14 <sup>th</sup> July 2012 of Junior Chamber International. Worked as Project Director.
	Delivered Expert Lecturer at Nalini Arts College on “Entrepreneurship Development”, to undergraduate arts students, 3 <sup>rd</sup> January 2013 (1.00 PM to 2.00 PM)
	Kay note speaker in Annual day of Napad Talpad Kelavni Education High School, 19 February 2012.
	Chairman of Third Technical Session in One Day National Seminar on Understanding Rural Customers 2 <sup>nd</sup> February 2013.
	Expert in Mock Interview at P.G. Department of Business Studies 9 <sup>th</sup> March 2013.
	Conducted Training for 42 Industrial Workers at Vithal Udyognaar GIDC, 9 <sup>th</sup> March 2013.

### DEPARTMENT OF EDUCATION

Name of the Teacher	Nature of the Extension work with details
Dr.M.A.Chotalia	Educational consultancy & Training of Teacher working with two NGOs in Tribal area of Gujarat Valsad-Dharampur & Rajpipala.

### DEPARTMENT OF LIBRARY AND INFORMATION SCIENCE

Name of the Teacher	Nature of the Extension work with details
Prof. U. A. Thaker	Children Library at home for the Society

### DEPARTMENT OF SOCIAL WORK (MSW)

Name of the Teacher	Nature of the Extension work with details
Dr. S.D.Mishra	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)
DR. Mrs. Bigi Thomas	Awareness programmes on health, de- addiction and NREGA in Kasor, Rampur, Kaloli and Ramol villages of Anand with field work students of 1 <sup>st</sup> year MSW and MHRM. (4)
Mrs. Nisha Sangwan	Awareness Program at Tranol, Ramol and Bhetasi on Adolescent Girls Education Program (3)

### DEPARTMENT OF POLITICAL SCIENCE

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

### DEPARTMENT OF SOCIOLOGY

Name of the Teacher	Nature of the Extension work with details
Dr. P.M.Parmar	C.S.J council for social justice, ahmedabad
	Dalit rights, ahmedabad

### DEPARTMENT OF GUJARATI

Name of The Teacher	Nature of The Extension Work With Details
Dr.Pinakini Pandya	Member of convocation decoration committee
Dr.Param Pathak	Recording program on life enrichment at community radio station

## CHAPTER – 4

### INFRASTRUCTURE AND LEARNING RESOURCES

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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@yahoo.com](mailto:ugcnetmath@yahoo.com)
  - (b) [topologicalalgebras@yahoo.com](mailto:topologicalalgebras@yahoo.com)

of course, we have begun planning to establish LAN connecting all Departments, all administrative units and the library for fast and efficient data transmission. We are also exploring the possibility of online teaching and examination.

#### Numbers of Computers at University Departments and Administrative Sections

No.	Department	No. of Computers
1.	Computer Science and Technology	300
2.	Computer Centre	70
3.	MBA	80
4.	Electronics	80
5.	Physics	85
6.	Mathematics	90
7.	University Administrative Building	80
8.	Bio-Sciences	80
9.	Statistics	80
10.	Bhaikaka Library	30
11.	Humanities Building (Department & Office)	40
12.	Materials Science	30
13.	Chemistry	35
14.	Home Science	15



15.	University Press	15
16.	Business Studies	15
17.	USIC	8
18.	Economics	20
19.	Department of Education	10
20.	University Museum	5
21.	MSW	15
22.	Hindi	10
23.	M B Patel College of Education	15
25.	Library & Information Science	15
25.	Health Centre	2
26.	Guest House	1
27.	Communication & Media Studies	10
	<b>Total</b>	<b>1236</b>

**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 lacs (2/3, 1/3 sharing basis) was provided by UGC for the construction of the library building and purchase of furniture and equipment. The present library building was inaugurated by the Late Prime Minister, Shri Lal Bahadur Shastri on 31<sup>st</sup> 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**

Reading Room Facilities	DELNET Access
Internet Facilities	E-journals access
Cyber Cafe	Scanning Facilities
Women's Reading Room Facilities	

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)

	Recurring grant	Special Grant	Total
<b>Indian</b>	192	41	233
<b>International</b>	65	36	101
<b>Total</b>	257	77	334

e-journal – 5,000+ accessible at <http://202.141.130.70/e-resources.php>

Total information available at <http://www.spuvvn.edu/libraryinfo.htm>

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

Non-book collection accessible at <http://www.spuvvn.edu/cdbook.pdf>

### (iii) University Publications

Bhaikaka Library is looking after all the activities related to Publication since the inception of University.

The University has been publishing the following Journals/Bulletins on regular basis.

- Sheel Shrutam (Monthly news bulletin of the University) (Bhaikaka Library)
- Vocational Guide (University Employment Bureau)
- Journal of education and psychology (Department of Education, Sardar Patel University, Vallabh Vidyanagar)
- “Artha Vikas” (Department of Economics, Sardar Patel University, Vallabh Vidyanagar/
- PRAJNA-University Journal of Basic Science
- PRAJNA-University Journal of Social Science and Business Studies
- Journal of Engineering and Technology (Birla Vishwakarma Mahavidyalaya)
- Mimansa-Journal of English Literature (Department of English, Sardar Patel University)
- Synergy-Journal of Business Studies Administration (Department of 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 come to be just such in Encyclopaedia but with a different knowledge and information embodied in the essays of various subject, arranged collected in different volumes. The series has been widely acclaimed as unique. The University naturally feels gratified for having answered the need of such books. So far thirty (30) volumes in Gujarati and five in Hindi have been published. The list of the publications are availed on the Website of Sardar Patel University.

One can access the list at <http://www.spuvvn.edu/pub-pdf.pdf>.

The following books are published under Hari Ohm Ashram preit Shri Anand Shankar Bapubhai Dhruv Smarak Trust.

- |                       |                  |          |
|-----------------------|------------------|----------|
| 1. Meera              | Niranjan Bhagat  | Rs.80.00 |
| 2. Dayanand Saraswati | Dr.Jigish Pandya | 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 **Sodhganga** : 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**

No.	Department	Carpet Area (Square Feet)	Seating Capacity
1.	Department of Biosciences	925	25
2.	Department of Chemistry	3750	40
3.	Department of Computer Science	900	25
4.	Department of Electronics	1200	35
5.	Department of Home Science	400	12

6.	Department of Materials Science	400	12
7.	Department of Mathematics	2166	45
8.	Department of Physics	1000	27
9.	Department of Statistics	525	10
10.	Department of Business Administration (MBA Programme)	5230	50
11.	Department of Business Studies	200	5
12.	Department of Economics	600	15
13.	Department of English	1800	45
14.	Department of Gujarati	800	20
15.	Department of Hindi	300	8
16.	Department of History	100	2
17.	Department of Political Science	450	12
18.	Department of Psychology	2000	45
19.	Department of Education	1500	35
20.	M B Patel College of Education		
<b>Total Carpet Area of All Departmental Libraries</b>		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

LCD. Around 6,500 school students along with over 380 teachers have been visited University Museum.

- 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 Ganesh” was organized at University Museum. The display consisted of 32 fiber and wooden sculptures showing different forms of Lord Ganesh 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 1<sup>st</sup> Century A.D. to 20<sup>th</sup> 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, 1<sup>st</sup> 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-Geo-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:**

Medical officer	One
Staff Nurse	One
Pharmacist-cum-Compounder	One
Assistant Compounder	One
Dresser cum Peon	One
Sweeper	One

Free medical check-up is carried out for the staff members and the students of the University and affiliated colleges. Free medication is also provided for general and common ailments.

University Health Centre carries out detailed evaluation of all aspects, for Hypertension and Diabetes Mellitus. It maintains separate files for all the enrolled patients. Regular check up, necessary investigation, counselling, health education, necessary advice and treatment are provided free of cost to all Hypertensive and other patients. Our medical officer attends and also makes presentations at National and International Scientific Conferences regularly to update the knowledge in Hypertension and Diabetes.

The Health Centre provides necessary guidelines and treatment for hypertension and diabetes mellitus patients. Further it also organizes various check-up programmes to rule out Diabetes Neuropathy, Diabetes Nephropathy, and Diabetes Retinopathy for all diabetes and hypertensive patients. The Centre screens all diabetes patients with the help of ophthalmologist on first Sunday of every month.

The Health Centre has the facility of Electrocardiogram (ECG) and IV Fluid Supplement to patients suffering from Cerebral Malaria, Typhoid, and Dehydration due to Vomiting & Diarrhea etc, which obviates the necessity of referring the patients to other Hospitals for indoor expensive treatment.

Following consultants render their services regularly to the University Health Centre:

Dr Ravindra Parikh	:	Physician
Dr Nayana Patel	:	Gynaecologist
Dr Anita Singh	:	Gynaecologist
Dr Shyam Kumar	:	Ophthalmologist

##### **The following describes statistically the services rendered by the University Health Center 2012-2013**

Month	New	Old	Total	Student	Staff
April-2012	260	369	629	440	189
May-2012	187	326	513	364	149
June-2012	176	342	518	348	170
July-2012	782	107	889	678	211
Aug-2012	512	402	920	735	185
Sep-2012	506	445	951	768	183
Oct-2012	446	380	826	617	209
Nov-2012	189	329	512	389	123

Dec-2012	204	275	479	318	161
Jan-2013	194	332	526	409	117
Feb-2013	314	520	834	643	191
March-2013	338	494	832	716	116
<b>Total</b>	<b>4108</b>	<b>4321</b>	<b>8429</b>	<b>6425</b>	<b>2004</b>

- Total Regular Patient having Hypertension/ Diabetes / Thyroid / Asthma diseases = **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

No.	Facility of Room	Rooms	Total Accommodation Capacity
1.	New VIP (AC Room)	7	14
2.	Old VIP (AC Room)	3	6
3.	Semi VIP (AC Room)	6	12
4.	Faculty Guest House (Non AC Room)	18	36
5.	Dormitory (Non AC Common Room)	2	12

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

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 ret'd.) 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**

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

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

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

		Agricultural Performance in Gujarat and Rajasthan (Quarterly Reporting)”	Govt. of India, New Delhi		
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**C) List of Books and Research Articles Published During the year (2012-13)**

No	Author(s)	Title	Journal	International/ National/ Regional/ Local	Vol. No & Issue No.	Page No.	Month & Year
1	AERC, VVNagar	Impact of the National Horticulture Mission Scheme in Rajasthan”	Agricultural Situation in India	National	Vol. 69, No.3	153-164	June 2012
2	S. S. Kalamkar	“Inputs and Services Delivery System under Contract Broiler Farming”	Agricultural Economics Research Review	National	Vol. 25 (Conf.)	515-521	Dec. 2012
3	Varun Miglani & S. S. Kalamkar	“Pricing Policy in Contract Farming: A case of Onion and Potato in Maharashtra”	Indian Journal of Agricultural Marketing,	National	Vol. 26, No. 3	107-122	Sept-Dec 2012
4	S. S. Kalamkar	“Feminization of Agricultural Labour in India”	The Indian Economic Journal	National	Special Issue (Conf.)	211-221	Dec 2012
5	S. S. Kalamkar, S. Shroff and J. Kajale	Emerging Agricultural Marketing Systems in India: A Case of Onion Marketing in Maharashtra”	Indian Journal of Agricultural Marketing	National	Vol.26, No. 2	87-101	May-August 2012
6	S. S. Kalamkar	“Economic Planning and Agricultural Sector in India: Focus on RKVY (special reference to Maharashtra)”	Agricultural Situation in India	National	Vol. LXVIII, No.4		July 2011 (Issue date July 2012)
7	S. S. Kalamkar & S. Shroff	“Technology Adoption gap in Pulses Cultivation in Maharashtra	Journal of Agricultural Development and Policy	National	Vol. 22, No.1	39-47	Jan-June 2012
8	S. S. Kalamkar	“Food and Nutrition Security in India” (Summary)	Indian Journal of Agricultural Economics	National	Vol 67, No. 3	530-531	July-Sept, 2012

9	S. S. Kalamkar	“Biotechnology in Agriculture: Review of Adoption and Performance of Bt. Cotton in India” (Summary)	Indian Journal of Agricultural Economics	National	Vol. 67, No. 3	442-443	July-Sept, 2012
10	S. S. Kalamkar with S. Shroff	“Rural Credit for Globalizing Farmers: A Study of Credit plus Approach” (Summary)	Indian Society of Agricultural Marketing	National	(Conf. Circulation)	-	Dec 2012
13	S. S. Kalamkar	“Coping with Drought: A case Study of Forest Dwellers in Bolangir” (Summary)	Ravenshaw Journal of Economics	National	Vol.1, No. 1	99-115	Jan.- June 2012
14	S. R. Bhaiya and J. P. Parmar	“Variability in Productivity of Rice in Gujarat : District wise Analysis”	SPET Research Journal in Social Science	National	Vol. 1, No. 1	-	Feb, 2013
15	Manish Makwana & Himanshu Parmar	Economics of Production, Marketing and Feeding Composition of Fodder Crops in Gujarat State”	Vishleshan	National	Vol.37 No., 1 & 2	33-44	Jan- June, 2012
16	V. D. Shah & Manish Makwana	“Impact of NREGA on Wage Rates, Food Security and Rural – Urban Migration in Gujarat State”	Artha-Vikas	National	Vol - XXXXVIII	19-36	July- Dec, 2012
17	Manish Makwana	“Human Development Status in Gujarat”	Artha-Vikas	Local	Vol. XXXXIX, No. 1	62-75	Jan- June, 2013
18	Mrutyunjay Swain, S. Sharma & H. Parmar	“Economic Impacts of NREGA in Rural Rajasthan”	Artha-Vikas	National	Vol. XXXXVIII No. 1	19-36	Jan.- June, 2012
<b>Books Published</b>							
1	S.S.Kalamkar	“Economics of Contract Choice: Case of Poultry (Broiler Farming)”	LAP LAMBERT Academic Publishing, Germany	International	-	-	Jan 2013
2	P. Yesudin	upted	LAP	International	-	-	Feb

	& S. S. Kalamkar	Employment and its impact”	LAMBERT Academic Publishing, Germany.				2013
3	A K Thakur & S.S.Kalam kar	al Disparities and Development: Issues and Policies”	Regal Publication, New Delhi	National	-	-	2013
4	A.K Thakur & S. S. Kalamkar	“Farmers Suicides: Causes and Remedies”	Regal Publications, New Delhi	National	-	-	2013
<b>Article in Edited Books / Seminar Proceedings</b>							
5	S. S. Kalamkar & S.Shroff	‘Food Security in South Asia and its Sustainability : Focus on India”	International Association of Agricultural Economists (IAAE) at Brazil	International	Conference Proceedings	228- 229	Aug. 2012
6	S. S. Kalamkar, S. Shroff & J. Kajale	“Role of Emerging Marketing Channels in Agriculture and the Benefits to the Producers and Consumers: An Empirical Analysis”	Seminar Proceedings on ‘Organized Retailing vis-a-vis Farm Economy and Relevance’	International	Seminar Proceedings	89- 102-	Sept. 2012
7	S. S. Kalamkar, S. Shroff & J. Kajale	“Promoting Organized Retail in Horticulture and Beneficial Impact on Farmers- The Case of Deepak Fertilizers and Petro Chemicals Limited”	Seminar Proceedings on ‘Organized Retailing vis-a-vis Farm Economy and Relevance’	International	Seminar Proceedings	157- 166	Sept, 2012
8	S. S. Kalamkar	“Climate Change, Environment Degradation and Sustainable Agriculture in India”	“Climate Change and Environment Management ”, Regal Publications, New Delhi	National	Edited Book	173- 223	2012
9	S.S. Kalamkar	“Domestic Demand and Supply	Food Security and Food	National	Edited Book	255- 282	2013

		Situation of Dry-land Crops: Implication for Food Security in India”	Processing of Agri-Business & Rural Management (Etd) Mittal Publications, New Delhi				
10	S.S. Kalamkar	“Technology Use, Environment Degradation and Food Processing of Agri-Business and rural management (Etd)	Food Security and Food Processing of Agri-Business & Rural Management (Etd) Mittal Publications, New Delhi	National	Edited Book	282-316	2013
11	S. S. Kalamkar & S. Shroff	“Prime Minister’s Rehabilitation Package for the Farmers in Suicide Prone Districts of Maharashtra: An Empirical Analysis”	“Farmers Suicides: Causes and Remedies”, Regal Publication, New Delhi	National	Edited Book	61-80	2013
12	S. S. Kalamkar	“Issues in Agricultural Development in Maharashtra”	“Regional Disparities and Development: Issues and Policies” Regal Publications, New Delhi	National	Edited Book	1-54	2013
13	Mrutyunjay Swain & S Sharma	“Impact of Mgnrega on Sustainable Development of Village Economy in Rajasthan”,	Managerial Implications and Challenges, Bloomsbury, New Delhi.	National	Edited Book	68-74	2013
14	Mrutyunjay Swain, S. Sharma and M K Ojha	“Horticulture Development in Rajasthan Constraints and Prospects”	Seminar Proceedings on “Agri-Business Potential of Rajasthan”	National	Seminar Proceedings	346-357	March , 2013

## 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

No.	Name of Hostel	Name of the Rector	Name of the Superintendents	Total Room	Students Capacity	Total Students Staying In 12-13	Other Facility
1.	Old Men's Hostel No.1	Dr B B Agja	Dr D.G. Patel	78	148	44	With Mess
2.	Nehru Hall Men's Hostel No.2	Dr A.S. Reddy	Shri Nileshbhai Patel	95	198	196	With Mess
3.	BSc BEd Hostel	Dr N R Patel	Shri R M Patel	23	66	13	--

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.J.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, Kabbdi, 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 BIOSCIENCES

1. Phase contrast microscope (American Optics)
2. Photomicroscope (Carl- Zeiss)
3. Fluorescence microscope (Carl-Zeiss)
4. MPM 400 Photo Metry, KS 3000 Image Analyzer (Carl Zeiss)
5. Gas Chromatographs (Sigma, Chemito)
6. HPLC (Agilent)
7. HPTLC (Camag)
8. FPLC (Biorad)
9. TOC & TN analyzer (Shimadzu)
10. Elisa plate reader (UV-Visible) (Microdevices)
11. 2-D Gel electrophoresis unit with Isoelectric focusing facility (Biorad)
12. UV visible spectrophotometers (Heawlett– Packard, Unicam Beckman, Systronic)
13. Atomic absorption spectrophotometer (Analytic Jena)
14. Fermentor (New Brunswick)
15. Lyophiliser (FTS)
16. Themocycler (Eppendorf)
17. Gel documentation system – Gene line
18. Deep Freeze (-86° C) (Sanyo)
19. Ultramicrotome (Reichert)
20. Cryocut (leica)
21. Hybridization Oven
22. UV-Cross linker
23. Gas-Chromatograph System
24. Computer Laboratory with internet facility
25. Departmental library
26. Tissue culture laboratory
27. Animal house
28. Botanical garden
29. Herbarium
30. Phytoresource centre
31. Zoological museum

### (2) DEPARTMENT OF CHEMISTRY

1. Differential Scanning Calorimeter (DSC) Make: TA Instruments, USA Model: 2920 DSC/TA 5000
2. Thermo gravimetric Analyser & Differential Thermal Analysis (TGA / DTA) Make: TA Instruments, USA Model: 2960 Sdt/Ta5000
3. Infrared Spectrophotometer (FT-IR) Make: NICOLET, USA Model: Impact 400 D
4. UV-VIS Spectrophotometer Make: Shimadzu, Japan Model: Uv-160a
5. High Pressure Liquid Chromatography / Gel Permeation Chromatography (HPLC/ GPC) Make: Waters, USA Model: Waters 600 E (Controller) Waters 991-Pda Waters 470 Scanning Fluorescence Detector Waters 410 Differential Refractor Meter
6. Soxhlet Extraction Apparatus
7. Vapour Pressure Osmometer Make: Knauer, W Germany Model: K7000
8. Thermal Stability Tester
9. Chno-Elemental Analyzer Make: Heraeus. W Germany Model: Chn-O Rapid
10. Instron Universal Testing Machine Make: Instron Utm, Uk Model: Table – III
11. Heat Deflection Temperature (Hdt) And Vicat Softening Point (VSP) Make: Cast, Italy Model: 6505/000
12. Pendulum Impact Tester Make: Zwic, Italy Model: 1501
13. Laser Refract meter Make: Wyatt Tech., USA Model: Dawn Eos
14. Vibrating Sample Magnetometer (VSM) Make: Lakeshore, USA Model: VSM 7304

15. Polarographs Make: ELICO, India Model: CI-90
16. Melt Flow Indexer
  - (a) Flash & Fire Point Tester (Clave And Open Cup)
  - (b) Flash Point By Pensky-Martens Closed Cup
17. Smoke Point Apparatus
18. Flammability Tester
19. Cloud and Pour Point Tester
20. Aniline Point Apparatus
21. Distillation Apparatus
22. Needle and Cone Electrometer
23. Specific Gravity Balance
24. Carbon Residue By Rams bottom Method
25. Redwood And Say bolt Viscometer
26. Brookfield Viscometer Make: Brook Field, USA Model: DV-II
27. Brabender Plasticorder Make: Brabernder Organization, W Germany Model: PLE 651
  - (a) Brinell Hardness Tester Make: Hungary Model: AS-111
  - (b) Shore –A Hardness Meter
28. Air Circulating Oven
29. Muffle Furnace
30. Compression Set Tester
31. Ubbelohde Viscometer
32. Din Abrasion Tester Khushboo, Mumbai
33. Falling Dart Impact Tester Khushboo, Mumbai
34. Adhesion Tester Khushboo, Mumbai

**(3) DEPARTMENT OF COMPUTER SCIENCE AND TECHNOLOGY**

1. IBM X-Series 225 [Server Machine]
2. Compaq ML530 [Server Machine]
3. Compaq Alpha DS10 [Server Machine]
4. Sun Ultra 10 [Server Machine]
5. HP Net Server E60 [Server Machine]
6. Compaq ML330e [Server Machine]
7. High-end Graphics Workstation from HP
8. IBiostation software package bundle
9. EDUSAT satellite receiving equipment set for the College to Career programme
10. All popular operating systems, including compilers as well as development software packages

**(4) DEPARTMENT OF ELECTRONICS**

1. Vacuum Coating Unit with Electron Beam 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/ORT/Temp Bench Top Meter (Orion Make, 9201) (1 No.)
5. Precision LCR Meter (Agilent Make, 4284A) (1 No.)
6. Digital Image Processing Hardware & Software (Colour CCD Camera Colour Frame Grabber Card) (1 No.)
7. Process Controller Trainer with Temperature and Liquid Level (Apex Engineering Make) (1 No.)
8. Laminar Flow work Station (Kirloskar Make) (1 No.)
9. Fibre Optic Communication System (Benchmark Make) (2 Nos.)
10. Digital Communication System (Feedback Make, DCS – 297) (1 No.)
11. Antenna Trainer (Sciencetech Make, ST 2261) (1 No.)

12. Total Rework Station (Hakko Make, 720B) (1 No.)
13. PCB Inspection System (Matey Make, SL – 60) (1 No.)
14. PCB Drilling / Shearing / Etching Machine / Photo Resist / Dip Coating / Dye Developer (Crescent Make)
15. Digital Communication Training System (Falcon Make) (1 No.)
16. Programmable Logic Controller (PLC) (Ansuman Make, XPO PLC)
17. Logic Scope (20 MHz) (Scientific Make, 201 LS) (1 No.)
18. Digital Storage Oscilloscope (Scientific Make, HM – 202 – 2) (1 No.)
19. Handy Scope (ADSO) (Hameg Make) (1 No.)
20. Programmable Power Supply (Hameg Make, HM – 7044) (2 Nos.)
21. Logic Analyzer (Promex Make, AL – 320) (1 No.)
22. Power Scope (International Make, TE – 9) (1 No.)
23. Multifunction Universal system (Motwane Make, MS9160) (2 Nos.)
24. LCD Multi Media Projector (Toshiba & Philips Make) (2 Nos.)
25. Computer System with UPS and Printer (10 Nos.)

**(5) DEPARTMENT OF HOME SCIENCE**

1. HPLC, GLC, Fermentor, UV visible spectrophotometer, Fluorimeter etc.
2. Major and minor equipments such as Electronic balance
3. High Speed Refrigerated Micro Centrifuge
4. Refrigerated Incubator Shaker
5. Bacteriological incubator
6. Muffle furnace
7. Fluoride pttmeter (orion make)
8. Flame photometer
9. Laminar Air flow
10. Digital spectrophotometer
11. Transilluminator
12. Autoclave
13. Hot air oven
14. Lyophiliser
15. Refrigerator
16. BOD Incubator
17. Microscopes
18. Tensile tester
19. Dress forms (Dummies)
20. Twist Tester (Hand operated)
21. Tearing Strength Tester
22. Padding mangal - Hand Operated
23. Crease recovery tester
24. Washing machine
25. Computers (11)
26. Printers (10)
27. Scanner (2)
28. Copier Machine etc.

In all the instruments in the department number around 400 approximately

**(6) DEPARTMENT OF MATERIALS SCIENCE**

1. Scanning Electron Microscope Hitachi S-3000N
2. Renishaw in Via Raman Microscope
3. Mettler Thermal Analysis System TA 4000 up to 1000oC and 1600oC
4. Micromeritics ASAP 2020 Surface Area and Porosity Analyzer
5. Micromeritics Gemini BET Surface Analysis System
6. Instron Universal Testing Machine 5500
7. Shimadzu UV-Visible Spectrophotometer
8. Shimadzu FTIR 8300 Spectrophotometer

9. Systronics Flame Photometer
10. Leitz Optical Microscope Metloplan 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 1000oC, 1750oC and 2500oC
22. Impregnation Chamber
23. Machine shop for sample preparation, polisher, sieve analysis, surface grinder etc
24. Facilities for development of inorganic and hybrid gels: Stirrers, Drying Ovens,
25. Facilities for development of model fiber reinforced composites: Filament winding, 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**

1. Hall Measuring Assembly 'Lake Shore'.
2. 'Seifert' Highly stabilized X-ray generator.
3. 'Hind Hivac' vacume box coater BC 300.
4. Trinocular upright metallurgical Microscope model AXIOTECH, Carl Zeiss make.
5. 'Agni' high temperature furnace (1700 C).
6. Variable temperature compact optical closed cycle cryogenic refrigerator system.
7. Microprocessor controlled freezed drier with accessories-Lipholiser.
8. 'Sigma' 2k Centrifuge.
9. Getener trinocular IC2000M microscope with CCTV system.
10. Multimedia projector.
11. 'HP' LCR meter.
12. Computer system with necessary accessories.
13. Hydraulic compression testing machine.
14. Potentiostatic/ Galvenostatic system.
15. Green Laser Source.
16. Optical microscope with long working distance.

17. Optical absorption measurement setup for high-pressure measurements using DAC.
18. Vibration Isolation system, Honeycomb structure, SANDVIC make (for mounting High Pressure absorption measurement set-up).

**(9) DEPARTMENT OF STATISTICS**

1. Well established computer lab with around 30 computers
2. Statistical software SPSS

**(10) DEPARTMENT OF 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 1liter
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 1liter
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 1liter
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 temprature
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-o1
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**

No.	Particulars	Cost	Status
1.	Construction of Womens' Hostel No : 3	2.15 Crore	Completed
2.	Renovation Work of Economic Department	13.00 Lakh	Completed
3.	Campus Development	62.00 Lakh	Completed
4.	Furniture Work for Womens' Hostel No : 3	14.00 Lakh	Completed

5.	Extension of Community Science Centre	22.00 Lakh	Completed
6.	Extension of Chemistry Department 2 <sup>nd</sup> 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 1 <sup>st</sup> 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**

<b>No.</b>	<b>Particulars</b>	<b>Cost</b>	<b>Status</b>
1.	Electrification for Extended Portion of Mathematics Department (2 <sup>nd</sup> Floor-West Side)	1.81 Lakh	Completed
2.	Re-electrification of M.B.Patel Education College	14.65 Lakh	Completed
3.	Supply, Installation, Testing & Commissioning of Power Panel & Cable Laying of D.G. Sets (Gyanodaya Bhavan, University Press, M.P. Patel Auditorium Hall & G.H. Patel Computer Centre)	9.70 Lakh	Completed
4.	Electrification for Providing Power Plug & renovation of Power Distribution System at Nehru Hall	3.42 Lakh	Completed
5.	Supply, Installation, Testing & Commissioning of Power Panel & Cable Laying of D.G. Sets for Bhaikaka Library	2.37 Lakh	Completed
6.	Re-electrification of Room No : 101 to 109, 111, Passages and cabins at Ground Floor of Old Bio-sciences Building under CISST Programme	4.23 Lakh	Completed
7.	Electrification Work for Womens' Hostel & USIC Portion (G+3 Floor)	13.36 Lakh	Completed
8.	Re-electrification of H Type Staff Quarters	4.83 Lakh	Completed
9.	Re-electrification of Home Science Building (For Lab no: G2, G4 & HOD Cabin)	1.26 Lakh	Completed
10.	Re-electrification of Humanities Building	31.21 Lakh (Estimated)	In Progress

## **CHAPTER-5**

### **STUDENT SUPPORT AND PROGRESSION**

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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**

<b>GAME</b>	<b>WINNER</b>	<b>RUNNER'S UP</b>
Cricket	BJVM	NVPASS
Tennis	PG Department	NVPASS
Volleyball	NS Patel Arts College	NVPASS
Kabaddi	VJ Patel College of Physical Education	NS Patel Arts College
Kho-Kho	Bhikhabhai Patel Arts College	V P Science College
Badminton	PG Department	SEMCOM
Basketball	SEMCOM	M B Patel Science College
Table Tennis	ISTAR	NVPASS
Handball	NS Patel Arts College	Bhikhabhai Patel Arts College



Football	SEMCOM	CZ Patel Commerce
Chess	SEMCOM	ARIBAS
Athletics	NS Patel Arts College	BJVM

#### **WOMEN'S SECTION**

<b>GAME</b>	<b>WINNER</b>	<b>RUNNER'S UP</b>
Volleyball	SEMCOM	NS Patel Arts College
Kabaddi	Bhikhabhai Patel Arts College	N S Patel Arts College
Kho-Kho	Bhikhabhai Patel Arts College	N S Patel Arts College
Badminton	VP Science College	PG Department
Basketball	NVPASS	SEMCOM
Table Tennis	ARIBAS	Waymade
Athletics	NS Patel Arts College	Bhikhabhai Patel Arts College

## **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

No.	Event Name	Position	College
1	Classical Vocal Solo (Hindustani/Karnatic)	First	SEMCOM
		Second	H M Patel Institute of Eng. Training & Research
		Third	R M Desai Music & Dance College
2	Classical Instrumental Solo Percussion	First	SEMCOM
		Second	R M Desai Music & Dance College
		Third	Anand Arts College
3	Classical Instrumental Solo Non-Percussion	First	ARIBAS
		Second	R M Desai Music & Dance College
		Third	SEMCOM
4	Light Vocal (Solo)	First	SEMCOM
		Second	BJVM
		Third	Department of Home Science
5	Western Vocal(Solo)	First	SEMCOM
		Second	ARIBAS
		Third	Sardar Patel College of Adm. & Mgt.
6	Group Song (Indian)	First	SEMCOM
		Second	H M Patel Institute of Eng. Training & Research
		Third	C Z Patel of Business & Management
7	Group Song (Western)	First	SEMCOM
		Second	M B Patel Science College
		Third	ARIBAS
9	Quiz	First	ILSASS
		Second	ARIBAS
		Third	M B Patel Science College
10	Debate	First	H M Patel Institute of Eng. Training & Research
		Second	NVPAS
		Third	SEMCOM
11	Elocution	First	SEMCOM
		Second	ARIBAS
		Third	ILSASS
12	One Act Play	First	SEMCOM
		Second	MSW Department
		Third	M B Patel Science College
		Third	ARIBAS
13	Skit	First	M B Patel Science College
		Second	SEMCOM
		Third	ARIBAS

No.	Event Name	Position	College
14	Mime	First	M B Patel Science College
		Second	ARIBAS
		Third	SEMCOM
15	Mimicry	First	NVPAS
		Second	D N Institute PG Studies
		Third	Gujarati Department
16	On the Spot Painting	First	SEMCOM
		Second	NVPAS
		Third	CVM College of Fine Arts
17	Collage	First	ILSASS
		Second	Department of Home Science
		Third	H M Patel Institute of Eng. Training & Research
18	Poster Making	First	H M Patel Institute Of Eng. Training & Research
		Second	SEMCOM
		Third	M B Patel Science College
19	Clay Modelling	First	SEMCOM
		Second	CVM College of Fine Arts
		Third	St. Stephan College
20	Cartooning	First	ILSASS
		Second	ARIBAS
		Third	S M Patel College of Home Science
21	Rangoli	First	N S Patel Arts College
		Second	C Z Patel of Business & Management
		Third	Gujarati Department
22	Spot Photography	First	ARIBAS
		Second	SEMCOM
		Third	N S Patel Arts College
23	Classical Dance	First	ARIBAS
		Second	S M Patel College of Home Science
		Third	ILSASS

### 5.5 STUDENTS' UNION IN THE UNIVERSITY

All the Colleges affiliated to Sardar Patel University have Student Central Committees, presided over by the Principal, and assisted by a teacher as an ex-officio member. The Principal concerned on the basis of merit selects the General Secretary, other Secretaries, and Class Representatives. Some colleges conduct elections. In postgraduate departments also the central committees are formed select extra curricular and co-curricular activities are organised regularly under the supervision of the ex-officio member.

### 5.6 ALUMNI ASSOCIATION

We have formed our own Alumni Association in addition to those active Associations in countries like USA, UK etc. Apart from this, some Postgraduate Departments have formed their own Alumni Associations, which are actively engaged on organizing Annual Meeting and Academic Events. These are as follows:

No	Department	Alumni Association
1.	Business Studies	Department organized Alumni Meet in 16 <sup>th</sup> 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.
3.	MSW (Social Work)	Alumi Success Fest in January 2013 (Social work & HR)
4	Gujarati	Members of Alumni had been invited for seminar, which was held in department

## 5.7 FREE STUDENT SHIPS / SCHOLARSHIPS/ FELLOWSHIPS

### FELLOWSHIPS

The University awards fellowships and free-studentships to the deserving and needy students. At present, the University has instituted several junior and senior fellowships, each worth ₹ 100/- per month. The Government of India encourages scientific and industrial research work of Doctorate standard in the University by awarding scholarships to enable deserving students to carry out research.

### FREE-STUDENTSHIPS

The total number of free-studentships available in each department is 5% of the total strength of the department. Free-studentships are awarded to the postgraduate students reading for their Master's degree, who are otherwise not eligible for the Economically Backward Class Free-studentships or Scholarships for the Scheduled Caste, Scheduled Tribe and other Backward Class students.

EBC free-studentships are awarded by the State-Government and the students are required to apply through the University in the prescribed form available from the University office along with the following certificate:

- Certificate of income of family from all sources, from the First Class Magistrate/ Mamlatdar/ TDO as the case may be.
- If the candidate or his guardian is an agriculturist, a copy of the extracts from village from VII-XII in respect to lands possessed by him/them.

Likewise, students applying for the Scheduled Caste, Scheduled Tribe and Other Backward Class scholarships are required to furnish the following certificates

- Caste certificate from the concerned Social welfare Officer.
- Income certificate for Other Backward Class student from Mamlatdar/ Mahalkari / TDO as the case may be.

### SCHOLARSHIP/FINANCIAL AID TO STUDENTS

Financial assistance is provided to deserving postgraduate students of the University by way of Scholarships, Fellowships, and Free-studentships. Various research scholarships were awarded during the year by Governmental agencies viz. Ministry of Education University Grants Commission and Council of Scientific and Industrial Research and a few Private agencies to students reading for their PhD degree.

**The details regarding various Scholarships/Fellowships/Free-Studentships etc Awarded by the university are as under:2012-13**

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

### Research Scholarship / Fellowship Awarded 2012-13

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

### Category of Students – 2012-13

No	Name of the Project / Fellowship	No of students	Amount (₹)
1	SC Scholarship	238	40,06,992.00
2	ST Scholarship	338	43,66,508.00
3	Handicap Scholarship	9	27,000.00
4	Gujarat Higher Education Scholarship	1	600.00
5	Miscellaneous Scholarship	1	5,000.00
6	EBC Scholarship	9	21,600.00
7	Baxipanch Scholarship	258	13,14,084.00
<b>Total</b>		<b>722</b>	<b>97,41,784.00</b>

### 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.

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

### **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 & INFORMATION 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**

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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

	Important Bodies	Meeting Held	Total Members
<b>A</b>	<b>Senate</b>	01	307
<b>B</b>	<b>Syndicate</b>	06	26
<b>C</b>	<b>Academic Council</b>	02	67
<b>D</b>	<b>Board of Postgraduate Studies and Research</b>	01	66
<b>E</b>	<b>Faculties</b>		
	Faculty of Arts	01	151
	Faculty of Science	01	185
	Faculty of Business Studies	--	89
	Faculty of Management	01	40
	Faculty of Education	01	38
	Faculty of Home Science	01	11
	Faculty of Law	--	05
	Faculty of Homoeopathy	--	10
	Faculty of Medicine	01	40
<b>F</b>	<b>Boards of Studies</b>		
	Hindi	01	25
	Gujarati	01	20
	Sanskrit	01	11
	English	01	24
	History	01	09
	Logic and Philosophy	01	02
	Sociology	01	11
	Psychology	01	08
	Economics	01	23
	Political Science	01	08
	Geography	01	03
	Co-Operation	01	03
	Library Science	02	03
	Music and Dance	01	01
	Mathematics	01	14
	Statistics	01	14
	Chemistry	01	30
	Physics	01	26
	Biosciences	03	45
	Industrial Chemistry	01	11
	Computer Science	01	26
	Electronics	01	15
	Materials Science	01	04
	Commerce and Business Studies	01	32
	Accountancy	01	27
	Banking	01	02
	Management	01	40
	Education	01	38
	Law	01	05
	Home Science	01	11
	Homoeopathic	01	10
	Clinical	01	19
	Paraclinical	01	12
	Pre-Clinical	01	09



<b>G</b>	<b>AD-Hoc Board</b>		
	Master in Urban Planning	--	04
	BArch	--	10
	Social Work	01	10
	Bioinformatics	--	10
	E-Business	--	08
	Diploma Course In Orthopedics	--	08
	Instrumentation	--	06
	Master of Valuation (Real Estate) and Master of (Plant & Machinery)	--	09
	Interior Design	02	11
	Master of Public Administration	--	05

## **6.2 UNIVERSITY FINANCE**

The operating budget of the institutions is adequate to cover their day-to-day expenditure. Notwithstanding the fact that the State Government sometimes fails in releasing the adequate monthly grant in time creates pressure on the fiscal resources of the University, the pressure is eased using the funds available from the self-financing programmes and courses. The maintenance budget of the University is insufficient with reference to its assets, mainly because the Government, though based on value estimated three years ago, provides only 3% of the book value of the assets. The University accounts have been audited regularly, and a mechanism has been established for internal as well as external audit.

Three initiatives have been undertaken to ensure proper financial management in the University. (1) The University appointed a High-Powered Committee in 2003-04 to coordinate and streamline the financial aspects of the Postgraduate Departments as well as the Administrative Unit, and its recommendations have been implemented. (2) An internal auditor, who is a qualified chartered accountant, audits and approves each bill prior to payments being made, and then puts up the monthly report before competent authorities of the University. (3) The Executive Council has also appointed a Financial Advisory Committee for overseeing fiscal management and providing guidelines to ensure that the financial health of the University is maintained.

### **SYSTEMS OF ACCOUNTS**

1. Maintenance Accounts (Non-Plan), dealing with revenue receipts and expenditure of the university.
2. Development Account (UGC Plan), dealing with the development of the university. The expenditure is being met out of the five-year plan.
3. Earmarked (Specific) and Endowment Funds, dealing with the transactions in connection with the earmarked research projects and awarding scholarships and medals. Conferences and other specified purposes are funded by various agencies namely UGC, DST, DAE, CSIR, NBHM, DRDL, ICAR, NDDDB, State Governments etc.
4. Self Financed Courses: Separate accounts are maintained and expenses are being met from the resources.
5. Debt, Funds and Deposits relate to the receipts and payments in connection with the Provident Fund and other various receipts.

## CHAPTER-7

### HEALTHY PRACTICES/INNOVATIVE PRACTICES

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The National Assessment and Accreditation Council, Bangalore, which was established as an autonomous body by the UGC used to seek self-appraisal also on best practice within the university where their Peer Team would be sent for making an assessment and recommending accreditation in its initial years. The nomenclature has not changed within the manual for self-appraisal reports but the headings changed from best practices to healthy practices to innovative practices.

There has been a paradigm shift in the terminology used in the documentation of National Assessment and Accreditation Council (NAAC) from *Best* to *Healthy* and then on to *Innovative Practices*. There are references to the first among the terms within the text of manual NAAC has on offer on self-appraisal, and all these constitute the benchmarks of quality. A benchmark is understood as a standard (object, quality, or measure serving as a basis, example, or principle to which others conform or should conform or by which others are judged) or point of reference.

We take the relevant meanings of these three terms as follows: *best* as a reference that is the most desirable or excellent; *healthy* to something having, showing, or promoting good health; and *innovative* as the act or process of changes initiated using experience by bringing in new methods, ideas etc to bear on what is being done. Wikipedia, the free encyclopaedia, defines the term *best practice* as ‘a method or technique that has consistently shown results superior to those achieved with other means, and that is used as a benchmark.’ Best practices ensure the maintenance of quality and constitute ‘a feature of accredited management standards’.

We take the paradigm shift in the NAAC terminology as indicative of a movement along a cline beginning with changes initiated by seeking to implement, if not actually implementing right away, new ideas aimed at raising the level of the area of activity/system/process in question to something more desirable so as to promote a reasonably sound system of working. Innovations are creative in nature and require conceptualisation to precede policy interventions that must be made as and when required to replace intervals ineffective systems/processes/activities by those most likely to be effective at regular through benchmarking of internal, functional, competitive, or generic kind as NAAC desires in its publication titled *Best Practices in Higher Education* (2004).

We had constituted our Internal Quality Assurance Cell (IQAC) around the time when the university applied for assessment and accreditation for the first time in December 2000 and formalised it in 2004. Our IQAC works closely in association with our Examination Reforms Unit (ERU). Both these units have kept a watchful eye on and addressed the academic and examination related issues from time to time. This has helped in the academic sessions starting on time, examinations being announced and conducted on time, and central evaluation being conducted and results declared on time. Students are taken seriously and there is an effort by made by our academic and executive leadership to address any irritants that students might feel from time to time through the organisation of an ‘Open House’ on second Monday of every month with the Vice Chancellor taking time off to remain present in person with the Registrar to assist him. Complete confidentiality is observed in on-the-spot evaluation and resolution of the problem/s. The Vice Chancellor has made himself accessible to the student community throughout the year, depending on the nature of his daily schedule.

Periodic internal, functional and even competitive benchmarking in the university began from the time a committee chaired by Professor M H Vasavada (Retired Head, Department of Mathematics) helped create a framework and completed our first internal Academic and Administrative Audit (AAA) on various aspects like academic activities and research, administration, and examinations in 2001. Another committee chaired by Professor J J Shah (Retired founder Head, Department of Biosciences) drew up a plan of action soon thereafter in the form of a report, titled “Our Journey

towards Excellence: Improving the Environment of Teaching, Learning and Research, Vision, Mission, Strategy, and Leadership” in 2002.

The Shah Committee Report covered various aspects like: (1) restructuring of courses; (2) revolutionizing teaching and learning; (3) faculty development and enhancement; (4) benchmarking; (5) Audit-NAAC; (6) Internal Quality Assurance Cells (IQAC) in each Department; (7) framework for qualifications, i.e. expected outcomes at each level of academic qualifications, for ensuring quality control; (8) research outcome; (9) inter-departmental cooperation and coordination; (10) intra-departmental interface; (11) Institution-industry and social interaction; (12) competency in Computer and other IT technology; and (13) administrative support; and put in place the benchmarks under each of these 13 aspects of academic life in the university.

Both these reports have been used for that purpose ever since at regular intervals.

Admissions are offered on merit and there is complete transparency observed in the process because the merit list is put on the University website. This applies to all Masters level, MPhil and PhD programmes. The national and state reservation policies are scrupulously adhered to in the granting of admissions. Students from communities belonging to Schedule Castes, Schedule Tribes, Socially and Economically Backward Classes, Physically or Visually Challenged groups, children of retired army men and women etc are admitted as per merit against their reserved quota and, therefore, there have been no complaints of discrimination. The university departments work in close cooperation with each other and this ensures work getting done quickly. Everyone in the university departments knows everyone else in the administration, and this has facilitated a happy co-existence.

Since the other details appear in the earlier chapters, we do not feel it prudent to repeat all that here but provide details hereafter.

## 7.1 SANSKAR MANDAL AND BALWADI

The University promotes and contributes to Sanskar Mandal, an NGO, for organizing cultural activities involving family members of the staff of the University. Sanskar Mandal, established in 1971, is an institution imparts knowledge with fun. In addition to the educational activities, it also undertakes other welfare activities for women and children. National festivals are celebrated with great zeal.

Sanskar Balwadi also organizes regularly various kinds of competitions such as Fancy Dress, Hair Style, Mehndi, and Garba Competition at Taluka and District Levels. It provides nutritious food to children and has swings and slidings for the amusement of the children on its large compound. It has fine equipment for the development of various skills.

The following are the activities conducted by the Sanskar Balwadi

No	Activities	No	Activities
1.	Sanskar Balwadi - (Kindergarten)	8.	Felicitation of Talented Students
2.	Sanskar Kids	9.	Sports
3.	Women Wings	10.	Cultural Activities
4.	Kids Library	11.	Celebration of National Festivals
5.	Prof. J. K. Patel Memorial Garba Competition	12.	Devine songs competition
6.	Navratri Celebration	13.	“Gauri Vrat” cultural competition
7.	Dr. Vikram Sarabhai equation competition	14.	Bhajan competition
<b>Sanskar Mandal and Balwadi</b>			
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. Rekhabe 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. Rekhabe Mehta, Mathematics Department, Sardar Patel University
3. Prin. Rekhabe 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-Government 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 Vidyanagar took interest and dug seven such bore-wells. The cell undertook tree plantation programme on different occasions and more than five hundred trees so planted are being nurtured. The Cell has now begun preparing a Manual for Rainwater Harvesting. A small library with books on environment management, and water management is taking shape at Department of Social Work under the supervision of this Cell.

## **7.6 CENTRES FOR TRAINING AND RESEARCH IN LANGUAGE AND COMMUNICATION**

CTRLC for short, the Centre for Training and Research in Language and Communication, Sardar Patel University started offering Advanced Certificate Courses in Communication Skills in English from 27 December 2004 on the mandate given by the then Vice Chancellor Dr PJ Patel.

### **OBJECTIVES**

The Centre seeks to achieve the following objectives: (a) designing and offering need-based and short-term courses, (b) creating teaching and learning materials, (c) developing testing packages, (d) providing specialized instruction and training, (e) undertaking extensive market research, (f) conducting comprehensive needs analyses, (g) validating these needs analyses through market research, (h) providing consultancy services, (i) offering counseling of all kinds, and (j) conducting tests and certifying communicative language ability.

### **USP OF THESE COURSES**

- University approved and certified.
- Unavailable in the traditional system of education.
- Designed not only to improve communication skills but also to mould the personality of the participants to give them a cutting edge.
- No clash with regular studies/work because course participants will only be required to put to use in their day-to-day work the skills that they master.
- Study skills, time management skills, research skills, social/people skills etc are on offer.
- Instruction and Training from University teachers, who are experts in the subjects concerned.
- Assurance of Value for Money since the course participants will be able to see for themselves the change in their personality and skills.

## **7.7 TEACHING AND RESEARCH INTERWOVEN**

- (a) Provision of Research Projects/ Presentation in M Sc
- (b) Mandatory requirement of clearing 9 credit advanced courses by PhD students in the Faculty of Science.
- (c) Special efforts to prepare students to take NET-JRF
- (d) Collaborative Research
- (e) Departmental Research Seminars

## **7.8 WELFARE SCHEMES FOR SARDAR PATEL UNIVERSITY FRATERNITY**

The following welfare schemes are in operation:

### **A. LOANS FROM GENERAL PROVIDENT FUND (GPF)/CONTRIBUTORY PROVIDENT FUND (CPF)**

All the teaching and non-teaching staff are provided interest free loan up to 75% of the contribution of the employee from their own funds deposited in GPF/CPF. The loan is provided for (a) the marriage, (b) other social occasions, (c) cover illness, (d) purchase of a house, (e) purchase of vehicles, and (f) for higher education purpose.

### **B. GROUP INSURANCE SCHEME**

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

**C. TEACHERS WELFARE FUND**

The university has created a separate fund for the welfare of the university teachers and necessary financial assistance is provided to the teachers' kin in case the employee dies in harness, or suffers from physical/mental incapacitation. An amount of 5.2% is deducted from remuneration paid to the teachers against the examination work.

**D. MEDICAL FACILITIES FROM THE HEALTH CENTRE**

The University Health Centre provides primary health facilities to all the employees and students registered in the University. This is over and above the health facilities available in all the government hospitals as per the norms identified by the Government of Gujarat. The university reimburses the actual expenditure incurred during the illness as per the norms set by the government.

**E. KALYAN NIDHI FOR NON-TEACHING STAFF**

Every member of the non-teaching staff of the university makes voluntary contribution to fund created to allow the university to make payments to an employee on his/her retirement or sudden demise and provides necessary financial assistance to the non-teaching staff of the university.

**F. APNA BAZAAR**

The university has set up a separate consumers' cooperative society, viz Sardar Patel University Employees' Consumers Cooperative Store (Apna Bazaar) to provide grocery and other items at the economy rate to the employees who are its members.

**G. FREE STUDENTSHIP TO THE WARDS OF ITS CLASS-III AND CLASS-IV EMPLOYEES STUDYING IN SARDAR PATEL UNIVERSITY**

The university reimburses full tuition fees in case the wards are studying in grant-in-aid courses and 50% of the tuition fees in case the wards are studying in self-financed courses to the wards of Class-III and Class-IV employees of the university studying in Sardar Patel University.

## **CHAPTER-8 LOOKING AHEAD**

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### **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 10<sup>th</sup> 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, Vallabh 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 these 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*.