

ANNUAL REPORT

2014-2015



सरदार वल्लभभाई राष्ट्रीय प्रौद्योगिकी संस्थान,सूरत

SARDAR VALLBHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

1.0 INTRODUCTION

1.1 Mission Statement

The mission of the Sardar Vallabhbhai National Institute of Technology, Surat is to be a leading technical Institute not only at national level but also at International level for imparting training to manpower as per the needs of technology. It is also envisaged to provide the necessary infrastructure to take up research work and to provide the mechanism to interact with industries effectively.

1.2 Vision Statement

Sardar Vallabhbhai national institute of technology, Surat, perceives to be a globally accepted centre of excellence in technical education catalyzing absorption, innovation, diffusion and transfer of high technologies resulting in enhanced quality for all the stakeholders.

1.3 Objectives

1. To offer quality programmes in the engineering at UG, PG and Ph.D. level.
2. To impart instruction and training to students to meet the technological needs.
3. To promote research environment.
4. To promote Industry – Institute interaction.
5. To foster national integration and value based education.
6. To interact with Alumni for development of the Institute and for making use of their expertise and resources.
7. To impart quality education alongwith development of confidence for being an entrepreneur.

1.4 Education System

The Institute offers Seven UG courses, seven (should be 10 when including three M.Sc. courses) PG courses, Three Part Time Degree courses and Research leading to Ph.D. degree. Credit System is introduced both at UG & PG Level courses.

The curriculum is designed to keep the balance of both the theoretical based and experimental based subjects along with necessary flexibility in the form of electives. The projects are offered at final year level to bring up the creativity of the students.

Two courses in entrepreneurship are introduced to provide information in the related areas and to develop confidence within entrepreneur.

In the recent past more emphasis is given on value based education and Yoga is offered at first year level under NSS.

The Centre for Humanity Resources Development provides the platform for various activities of value based education system. Extra curricular activities & personality development programmes have been introduced in addition to routine cultural and sports activities.

The Institute is committed to develop education system which is useful to train the students for not only quality engineer but also to make them good human being.

1.5 Good Practices being followed at SVNIT

1. Tie up with IIT Bombay for Early Induction programme in which 4 students out of top 15% students at the B Tech III (Civil Engg) were selected by IIT Bombay to study their fourth year (i.e. 7th and 8th semester) at IIT, Bombay.
2. Early induction to the PhD program for the top meritorious students from the M Tech I – admitted directly to PhD program.
3. Internal Academic audit (through TEQIP) is conducted, Quality Assurance cell is established

4. Peer review i.e. Academic Audit conducted – academic processes audited by the experts from IITs/peer NITs in Sep 2014.
5. Ample opportunities for organizing events and submission of Research projects/consultancies assignments, presenting research papers at International Conferences
6. Seed Grant to faculty members for encouraging research culture
7. Policy for filing/obtaining of Patents and sharing revenue for probable revenue generation
8. Encouraging students for research activities / training and they are supported for presenting papers in India and at abroad including internships
9. All the students in the campus have been covered under the Mediclaim Policy.

2.0 AN OVERVIEW

2.1 Historical Background

This Institute was established in 1961 as one of the RECs for imparting technical education in Civil, Mechanical and Electrical Engineering. In the year 1983-84 the Under Graduate programmes in Electronics Engineering was introduced and in the year 1988-89 the UG programmes in Computer Engineering and Production Engineering was started. In the year 1995-96, UG programme in Chemical Engineering was introduced. In exercise of the powers conferred by section 3 of the University Grants Commission (UGC) Act, 1956, the Central Government on the advice of the University Grants Commission, has declared the Sardar Vallabhbhai Regional College of Engineering & Technology (SVREC), Surat to Sardar Vallabhbhai National Institute of Technology (SVNIT), Surat with status of “Deemed University” with effect from 4th December 2002. The Institute has been granted the status of ‘Institute of National Importance’ w.e.f. Aug. 15, 2007. At present, the

Institute is offering Six UG Programmes, Eighteen PG Programmes and Three M.Sc. Five Years Integrated Programme including doctoral programme in all above branches

2.2 Location

The institute is located at Surat, about 260 kms North of Mumbai and is very well connected by rail and road links to Mumbai as well as Ahmedabad (250 kms)/Vadodara (150 kms). The institute is approximately 10 kms away from Surat Railway Station. Surat is the industrial city with historical importance and is well known for Textile, Jari and Diamond industries. The leading industries like RIL, ONGC, Kribhco, L&T, ESSAR, NTPC, and GAIL are established in Surat- Hazira area.

2.3 Campus

The institute is having at present eight boy's hostel and one girls' hostel accommodating about 3488 students. The number of girl student is increasing day by day. The institute has at present 150 staff quarters. The institute campus spread over 250 acres. The campus has separate buildings for all the academic departments and looking to the growth of the departments, new buildings have been constructed.

2.4 Administration

The institute is registered under Societies' Registration Act and Bombay Public Trust Act. It is governed by an autonomous Board of Governors vested with full powers of the administration, management and finances of the institute. There are representatives of Govt. of India, Govt. of Gujarat, AICTE, UGC, Industrialists, Technologists, Indian Institute of Technology, Alumni and faculty of the institute in the Board of Governors.

The Govt. of India, Ministry of HRD (Dept of Secondary and Higher Education) has constituted a Council to coordinate the activities of all NITS. The Minister of

Human Resource Development, Govt. of India is an ex-officio Chairman of the Council.

The Senate of the Institute is empowered to make policies regarding academic matters and to ensure their implementation.

The Finance Committee, Building and Works Committee and Purchase Committee are three other statutory Committees of the Institute.

Apart from these committees, the Board has a power to constitute various sub-committees for smooth and efficient administration.

2.5 Academic Programme

The Institute offers UG programs viz. Bachelors of Technology (BTech) of minimum four years, i.e. eight semesters duration Civil Engineering, Mechanical Engineering, Computer Engineering, Electrical Engineering, Electronics & Communication Engineering, and Chemical Engineering.

The Institute is also one of the first NITs to initiate the Post Graduate Programmes in Basic Sciences viz. Five-year Integrated Master in Sciences programmes in Applied Chemistry, Applied Physics and Applied Mathematics.

In addition to these, full time Master of Technology (MTech) programmes of minimum two years i.e. four semesters duration are offered in Environmental engineering, Water Resources Engineering, Structural Engineering, Soil Mechanics and Foundation Engineering, Urban Planning, Transportation Engineering & Planning, Turbo Machines, Mechanical Engineering, Manufacturing Engineering, Thermal Systems Design, CAD/CAM, Power Electronics & Electrical Drives, Power Systems, Communication Systems, Computer Engineering and VLSI and Embedded Systems and in Chemical Engineering.

The Institute is a recognized Centre for post-graduation in M Tech (by Research) and Doctoral Programmes (PhD). The institute also offers Ph D programme under QIP for the faculty members of AICTE approved engineering colleges.

2.6 Course Offered:

Bachelor of Technology (B. Tech.) of minimum four years, eight semester duration in Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics & Communication Engineering, Computer Engineering and Chemical Engineering.

2.7 Admission Procedure:

Under Graduate Course and Five Years Integrated M. Sc. Programmes:

Admission are being made on the basis of All India Rank of Joint Entrance Exam (Main) conducted by Central Board of Secondary Education, New Delhi. On the basis of score in JEE (Main) and normalized score in Class 12 or equivalent qualifying exam (60% & 40% weightage respectively), a separate rank lists will be prepared for admission by CBSE.

Post Graduate Courses: The admission is made on the basis of Centralized Counseling for M.Tech./M.Plan (CCMT) admissions on basis of valid GATE Score under the control of MHRD, New Delhi.

M. Tech. (Research): The admission to M.Tech.(Research) programmes are given to those having Bachelor's degree in any one of the seven disciplines mentioned in Para 2 above and should have passed with at least first class in respective Engineering faculty. Selection through oral presentation on the proposed area of research in front of a committee. There will be an interview for eligible students with the proposed supervisor in each department. The student must publish at least one paper in referred journal after completion of the course.

Doctorate Programme : The eligibility for admission to Ph.D. in Engineering Faculty, Science Faculty, Humanities and Social Science Faculty &

Interdisciplinary areas is such that a candidate shall possess Master's Degree in relevant area of Research and should have passed with at least second class with minimum 50% (CGPA=5.5) or equivalent in respective engineering faculty and 60% (CGPA=6.5) in other cases.

2.8 Students Intake

Under Graduate Course: 50% seats are filled up from the Gujarat State and 50% seats from other than Gujarat State on the basis of All India Merit Rank declared by CBSE, New Delhi. 21 seats Foreign Students and 71 seats of DASA students are also admitted under the scheme of Central Government.

Five Years Integrated M. Sc. Course: 60 seats in each branch in Physics, Chemistry and Mathematics.

Post Graduate Course (Master of Technology): 25 seats (including 5 seats of Sponsored Category) in each specialization viz. (1) Environmental Engineering (2) Water Resource Engineering (3) Urban Planning (4) Transportation Engineering & Planning (5) Structural Engineering (6) Soil Mechanics & Foundation Engineering (7) Communication Systems (8) Chemical Engineering (9) Computer Engineering (10) Power Electronics & Electrical Drives (11) Power Systems (12) Mechanical Engineering (13) Turbo Machines (14) Industrial Process & Equipment Design (15) Thermal System Design (16) CAD/CAM (17) VLSI & Embedded System

M.Tech. (Research): M.Tech. (Research programmes are offered in (i) Civil Engineering(ii) Applied Mechanics Engineering (iii) Mechanical Engineering (iv) Electronics & Communication Engineering (v) Chemical Engineering (vi) Computer Engineering (vii) Electrical Engineering.

Doctorate Programme : The Ph.D. programmes are offered in (i) Applied Mechanics (Structural Engineering, Geotechnical Engineering) (ii) Applied Chemistry (iii) Applied Mathematics, English and Management (iv) Applied Physics (v) Chemical Engineering (vi) Civil Engineering (vii) Computer

Engineering(viii) Mechanical Engineering (ix) Electronics Engineering(x) Electrical Engineering.

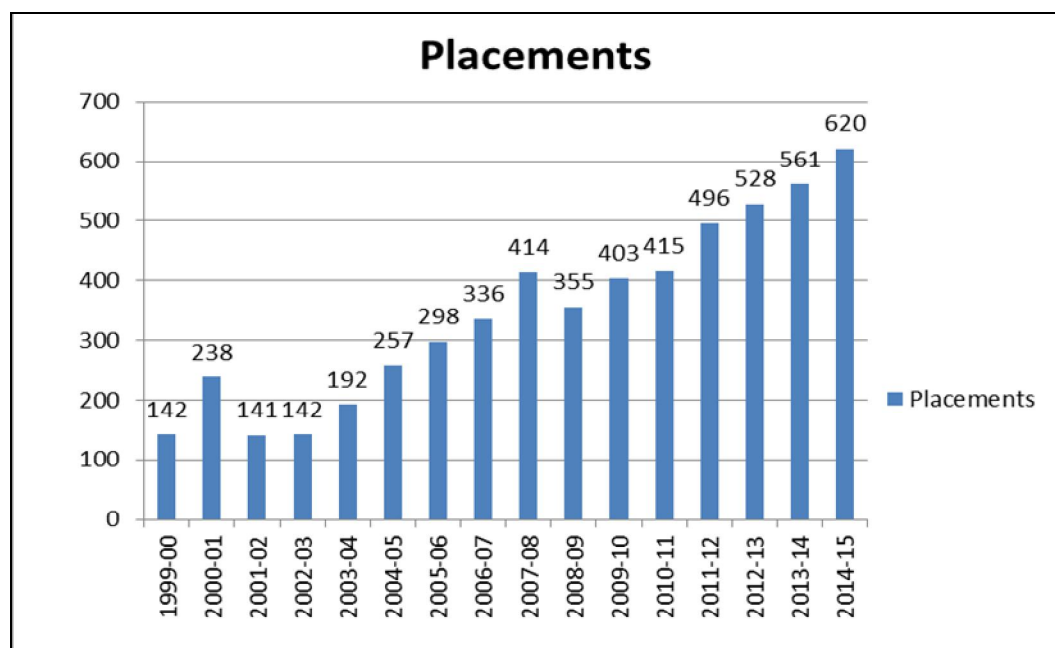
2.9 Examination & Evaluation:

UG and PG Examinations are conducted in four parts viz. 2 periodicals, 1 mid-semester and 1 at the end of the semester. The grading and credit systems are introduced. Sepcial coaching is being done for weak studeants and then after they can appear for supplementary examination.

Placements:

SVNIT offers Six Under Graduate (B.Tech), Seventeen Post Graduate (M.Tech) and Three M.Sc. Integrated courses (Chemistry, Physics & Mathematics) to the students. The Training & Placement Section (T&P) helps the students' community to get the proper placement in various public and private sector organizations by arranging the campus interviews. The invitations in this regards were sent to different organizations. Following are the relevant information as ready reference.

Students Placed in the year 2014-15



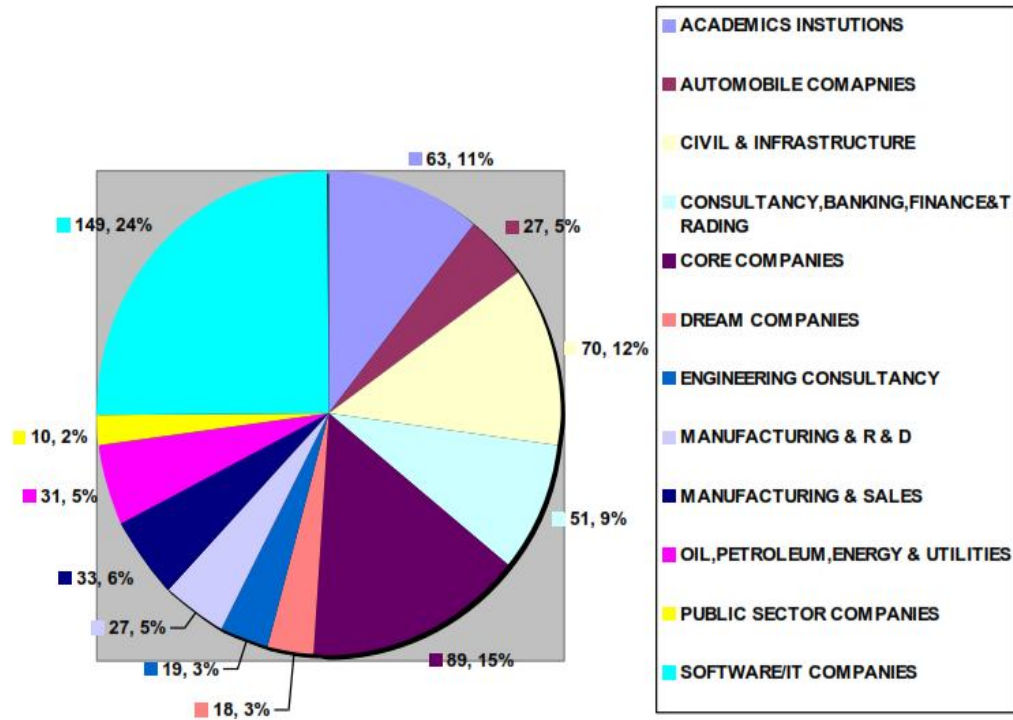
Details of Placements of UG (B.Tech.) students 2014-15:

Particulars	2010-11	2011-12	2012-13	2013-14	2014-15
Total Number of students	438	538	619	688	676
Number of Eligible students	380	421	518	518	532
Number of students selected	352	438	431	420	463

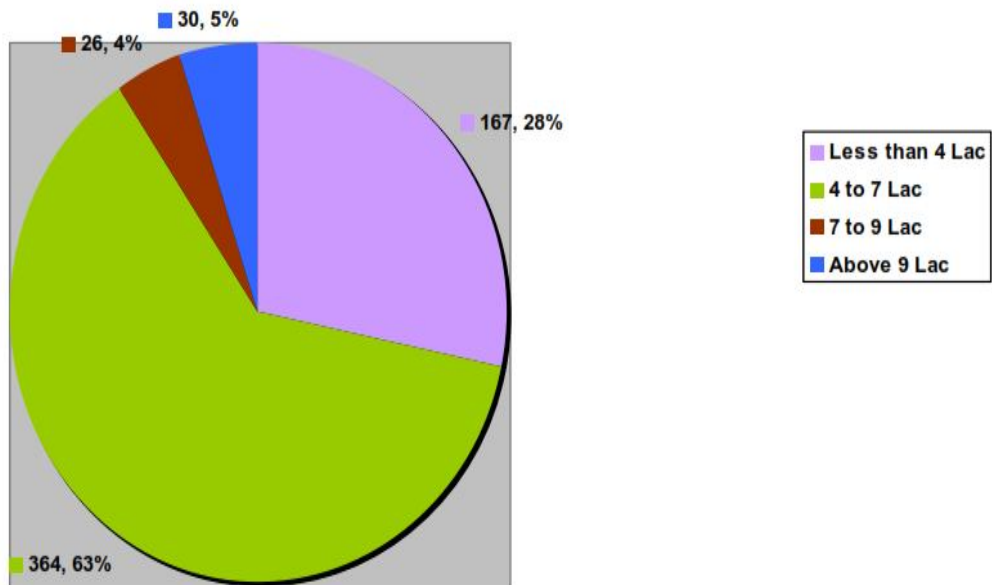
Details of Placements of PG (M.Tech.) students 2014-15:

Particulars	2010-11	2011-12	2012-13	2013-14	2014-15
Total Number of students	255	252	306	304	352
Number of Eligible students	160	174	161	262	308
Number of students selected	63	63	97	141	157

Sector-wise Company Distribution for the year 2014-15



CTC-wise Company Distribution for the year 2014-15



2.10 Games and Sports:

Physical Education Section organized and governed celebration of National Unity Day 2014 on 31st Oct 2014. PE section also conducted Run for Unity 2.5 Km Run in campus. Total 2500 students and staff participated in this event. Quiz Competition and Speech Competitions were also conducted on this occasion. Blood donation camp was organized and total 125 unit of blood was donated (best contribution of donation ever in history of SVNIT).

1. SVNIT took part in All India inter engineering sports fest at IIT Jodhpur and all teams secured winning positions in various events.
2. Basketball (Girls) Winner
3. Table Tennis (Boys) Winner
4. Table Tennis (Girls) Winner
5. Chess – Winner
6. Badminton (Boys) Second Runner up
7. Badminton (Girls) Runner up
8. Tennis (Boys) Runner up
9. SVNIT participated in All India inter NIT Cricket tournament at NIT Allahabad and secure Runners up position.
10. SVNIT participated in All India inter NIT Handball tournament at NIT Agartala and secured Runners up position.
11. SVNIT conducted and participated in All India Inter NIT sports tournament. SVNIT secured positions as below.

Chess (Girls) Champion - SVNIT Surat

1. Chess (Girls) Best player by board –Kiran Dhokhane (SVNIT Surat)
2. Chess (Girls) Best player by board-Rajashree Rathod (SVNIT Surat)
3. Chess (Girls) Best player by board- Ramya Aeraa (SVNIT Surat)

Chess (Boys) Champion - SVNIT Surat

1. Chess (Boys) Best player by board- Vishal Sahrawat (SVNIT Surat)
2. Chess (Boys) Best player by board- Shashank Yadav (SVNIT Surat)
3. Chess (Boys) Best player by board- Dhir Negandhi (SVNIT Surat)

Badminton (Girls) Champion- SVNIT Surat

Badminton (Girls' Player of Tournament)- Ms. Shilpa

Badminton (Boys) Runner up- SVNIT Surat

Badminton (Boys-Individual) Champion-

Badminton (Boys-Individual) Runner up-

Badminton (Boys' Player of Tournament)-

Basketball (Boys) Champion- SVNIT Surat

Basketball (Boy's Player of Tournament)- Abhishek Pandit (SVNIT Surat)

3.0 THE STAFF

3.1 Academic staff (Teaching)

As on date 31/03/2015, Dr. P D Porey is the Director of the institute.

The institute has 296 sanctioned of faculty members, out of which **162** posts of faculty members have been filled in as on 31/03/2015. The Department wise list of faculty members with their designation and qualification is given at point no 11.2.

3.2 Non-academic Staff

As on date 31/03/2015, Shri H A Parmar Registrar of the Institute.

At present 8 Sr. Administrative Staff, **39** Class- III Ministerial Staff and Technical Staff and **27** Class-IV Staff Members are on the Roll. The list of Staff Members with their Designation and Department is given at point no 11.3.

3.3 Training of Staff

The List of faculty / staff members deputed for the above scheme during the period under report is given at point no 11.4.

4.0 TEACHING PROGRAMMES:

4.1 Course Offered:

UG Courses Offered:

Chemical Engineering, Civil Engineering, Computer Engineering, Mechanical Engineering, Electronics & Communication Engineering, Electrical Engineering

4.2 COURSE-WISE ENROLLMENT WITH SEX, CASTE BREAK-UP

Discipline	Intake	Open		SC		ST		OBC		DASA/GOI		TOTAL	
		B	G	B	G	B	G	B	G	B	G	B	G
Civil Engg.	92	43	06	12	02	06	00	25	00	04	02	90	10
Mechanical Engg.	185	93	02	27	01	14	00	50	00	33	03	217	06
Electrical Engg.	92	31	13	13	02	06	02	21	05	01	01	72	23
Electronics & Comm.	138	46	25	16	05	08	02	30	06	02	04	102	42
Computer Engg.	93	29	18	08	06	07	01	20	05	05	07	69	37
Chemical Engg.	93	37	09	12	02	04	03	22	02	05	04	80	20
Total	693	279	73	88	18	450	8	168	18	50	21	630	138

(DASA student data does not match with 3.2)

4.3 ADMISSION STATISTICS UG/PG/PH.D. PROGRAMMES COURSE-WISE

UG Programme

Branch	Year	Semester	Boys	Girls	Total
Civil Engineering	I	First	90	10	100
	II	Third	93	10	103
	III	Fifth	87	05	92
	IV	Seventh	89	06	95
Total			359	31	390
Mechanical Engg.	I	First	217	06	223
	II	Third	234	05	239
	III	Fifth	191	04	195
	IV	Seventh	203	04	207
Total			845	19	864
Electrical Engg.	I	First	72	23	95
	II	Third	83	17	100

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	III	Fifth	80	11	91
	IV	Seventh	82	10	92
Total			317	61	378
Electronics & Comm. Engg.	I	First	102	42	144
	II	Third	106	35	141
	III	Fifth	114	26	140
	IV	Seventh	109	34	143
Total			431	137	568
Computer Engg.	I	First	69	37	106
	II	Third	70	35	105
	III	Fifth	66	28	94
	IV	Seventh	67	18	85
Total			272	118	390
Chemical Engg.	I	First	80	20	100
	II	Third	75	23	98
	III	Fifth	66	16	82
	IV	Seventh	63	14	77
Total			284	73	357
Grand Total			2508	439	2947

Five Year Integrated M. Sc.

Branch	Year	Semester	Boys	Girls	Total
Physics	I	First	42	14	56
	II	Third	14	04	18
	III	Fifth	17	07	24
	IV	Seventh	11	06	17
	V	Ninth	07	12	19
Total			91	43	134
Chemistry	I	First	26	19	45
	II	Third	10	12	22
	III	Fifth	08	11	19
	IV	Seventh	07	07	14
	V	Ninth	08	09	17
Total			59	58	117
Mathematics	I	First	34	17	51
	II	Third	08	14	22
	III	Fifth	09	06	15

	IV	Seventh	05	04	9
	V	Ninth	05	06	11
Total			61	47	108
Grand Total			211	148	359

PG Programme

Branch	Year	Boys	Girls	Total
Soil Mech. & Foundation Engg.				
First Sem	I	16	05	21
Third Sem	II	13	05	18
Water Resource Engg.				
First Sem	I	14	05	19
Third Sem	II	12	07	19
Environmental Engg.				
First Sem	I	12	07	19
Third Sem	II	08	08	16
Urban Planning				
First Sem	I	12	11	23
Third Sem	II	12	08	20
Structural Engg.				
First Sem	I	23	02	25
Third Sem	II	15	02	17
Transportation Engg. & Planning				
First Sem	I	18	01	19
Third Sem	II	13	05	18
Mechanical Engg. (General)				
First Sem	I	22	01	23
Third Sem	II	20	00	20
Turbo Machines				
First Sem	I	22	01	23
Third Sem	II	18	01	19
Manufacturing Engg.				
First Sem	I	24	00	24
Third Sem	II	19	01	20
Thermal System Design				
First Sem	I	22	00	22
Third Sem	II	20	00	20

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CAD-CAM				
First Sem	I	19	00	19
Third Sem	II	19	01	20
Power Electronics & Electrical Drives				
First Sem	I	18	01	19
Third Sem	II	14	05	19
Power Systems				
First Sem	I	18	05	23
Third Sem	II	21	01	22
Communication Systems				
First Sem	I	14	08	22
Third Sem	II	16	03	19
VLSI & Embedded Systems				
First Sem	I	15	07	22
Third Sem	II	17	05	22
Computer Engg.				
First Sem	I	16	05	21
Third Sem	II	13	05	18
Chemical Engg.				
First Sem	I	13	02	15
Third Sem	II	12	02	14
Total of First Sem		298	61	359
Total of Third Sem		262	59	321
Total of First & Third Sem		560	120	680

Ph.D. Programme (Engineering)

Departments	Admission Year	Boys	Girls	Total
Mechanical Engineering	2007-08	02	01	03
	2008-09	01	00	01
	2009-10	06	00	06
	2010-11	13	01	14
	2011-12	25	00	25
	2012-13	17	02	19
	2013-14	16	01	17
	2014-15	15	03	18
Total		95	08	103

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Civil Engineering	2007-08	04	03	07
	2008-09	05	00	05
	2009-10	09	04	13
	2010-11	01	03	04
	2011-12	07	04	11
	2012-13	15	06	21
	2013-14	08	10	18
	2014-15	11	09	20
	Total	60	39	99
Applied Mechanics	2007-08	01	00	01
	2008-09	03	00	03
	2009-10	05	02	07
	2010-11	08	06	14
	2011-12	03	02	05
	2012-13	10	01	11
	2013-14	09	01	10
	2014-15	09	10	19
	Total	48	22	70
Chemical Engg.	2010-11	02	02	04
	2011-12	05	00	05
	2012-13	01	00	01
	2013-14	05	04	09
	2014-15	10	03	13
	Total	23	09	32
Electronics	2008-09	01	02	03
	2009-10	02	02	04
	2010-11	05	07	12
	2011-12	01	04	05
	2012-13	01	01	02
	2013-14	01	01	02
	2014-15	11	07	18
	Total	22	24	46
Electrical Engineering	2007-08	01	01	02
	2009-10	01	00	01
	2010-11	07	01	08
	2011-12	03	02	05
	2012-13	03	00	03

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	2013-14	05	00	05
	2014-15	13	01	14
	Total	33	05	38
Computer Engineering	2008-09	01	01	02
	2009-10	03	07	10
	2010-11	02	03	05
	2011-12	02	01	03
	2012-13	03	01	04
	2014-15	08	01	09
	Total	19	14	33
Total of Engg. (A)		300	121	421

Ph.D. Programmes (Applied Sciences & Humanities)

Departments	Admission Year	Boys	Girls	Total
Applied Chemistry	2009-10	01	01	2
	2010-11	09	01	10
	2011-12	02	01	03
	2012-13	03	00	3
	2013-14	03	02	5
	2014-15	03	06	9
	Total	21	11	32
Applied Mathematics	2008-09	01	00	1
	2009-10	03	01	4
	2010-11	05	02	7
	2011-12	04	03	7
	2012-13	02	01	3
	2013-14	08	07	15
	2014-15	05	04	9
	Total	28	18	46
Applied Physics	2008-09	01	00	1
	2009-10	01	01	2
	2010-11	05	01	6
	2011-12	01	00	1
	2012-13	01	00	1
	2013-14	03	01	4
	2014-15	06	02	8
	Total	18	05	23

Management	2011-12	00	03	3
	2012-13	03	02	5
	2013-14	00	02	2
	Total	03	07	10
English	2010-11	00	01	1
	2011-12	01	00	1
	2014-15	00	01	1
	Total	01	02	3
Total of Science (B)		71	43	114
Grand Total (A)+(B)		371	164	535

M.Tech. (Research):

Departments	Admission Year	Boys	Girls	Total
Mechanical Engg.	2012-13	01	00	01
	Total	01	00	01
Civil Engineering	2010-11	02	00	02
	Total	02	00	02
Applied Mechanics	2011-12	01	01	02
	2012-13	02	00	02
	2013-14	01	00	01
	Total	04	01	05
Electrical Engg.	2014-15	01	00	01
	Total	01	00	01
Electronics & Commu.	2014-15	01	00	01
	Total	01	00	01
	Grand Total	09	01	10

4.4 Total StudentStrength: 4531**4.5 The Hostel**

Hostel section of the institute is established to deal with all the matters related to accommodation, food and general wellbeing of the students. Presently, the Institute Campus has 09 hostels which include 07 boys' hostel, 01 girls' hostel and 01 hostel guest house. All the hostels are equipped with state of the art facilities. The inmates are provided fully furnished accommodation. The activities of hostels are managed by the Council of Wardens (CoW) and Hostel Management Committees (HMC) of the students. (Hostel section has a team of

09 Chief Wardens and 16 Wardens.) To ensure the discipline in hostels, the Hostel section has a set of disciplinary rules and code of conduct. The Hostel section provides assistance to financially weak students from its needy fund. The management of hostels is carried out in the most democratic manner with involvement of students. Hostel wise details are as follows:

Academic Year 2014-15

Name of Hostel	Year	Total No. of Room Available	Total No. of Room Allotted	Actual Admitted Students	Total Students (2014-15)	Name of Warden Team
Bhabha Bhavan	B.Tech-III	454(D)	322	216(S)	367	Shri Abhilash Mandloi, Dr. L. K. Saini, Dr.Srinivas Arkatkar, Shri Bhavesh Gohil
	M.Tech-I			33(D)		
	PhD			37(S)		
	M.Sc-II To M.Sc-V			45(S)		
	T.A			36(D)		
Gajjar Bhavan	B.Tech & M.Sc.-I	740(S)	711	666(D)	852	Dr. M. K. Rathod, Dr.Rajendra Kumar, Dr.Ranjankumar Pati, Dr.Debesh Ranjan Roy, Shri S.R.Suryawanshi
	M.Tech-II			186(S)		
Sarabhai Bhavan	M.Tech-I	132(D)	109	217 (D)	211	Dr. H. K. Dave, Dr.B.Kondraivendhan
Tagore Bhavan	B.Tech-II	110(D) + 82 (S) = 192	187	81 (S)	293	Dr. Rakesh Maurya, Shri Anil Kumar Mahto
				212(D)		
Nehru Bhavan	B.Tech-II	104(D) +	167	91(S)	250	Dr. V. D.

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		100(S) = 204		159(D)		Kalyankar, Dr. K. D. Yadav
Raman Bhavan	PhD (Family)	99	69	62 (S)	76	Dr. Sabha Raj Arya
	PhD			14(D)		
Swami Vivekanand Bhavan	B.Tech-III	950(S)	882	346(S)	878	Dr. S. R. Patel, Shri Nikunj Patel, Dr. Dinesh Singh, Dr. Ketan Kuperkar
	B.Tech-IV			532 (S)		
Mother Teresa Bhavan	B.Tech-I	800(S)	571	118	561	Dr. Urvashi Kausal, Dr. Kalpana Maheria, Dr. Twinkle Singh, Dr. Vasundhara Mahajan
	B.Tech-II			112		
	B.Tech-III			81		
	B.Tech-IV			66		
	M.Tech-I			47		
	M.Tech-II			36		
	M.Sc			76		
	PhD			12		
T.A & NBCC	13					
Narmad Bhavan	Guest House	64(D)	-	-	-	Dr. A. K. Mungray
Total			3018		3488	

Hostel Management Committee

Hostel management in all hostels is carried out by a Hostel Management Committee of Students under the guidance of team of Wardens. The selection of Hostel management Committee is through elections as per constitution of Student's Council approved by the Board of Governors at its 36th meeting June 26, 2014. The structure of hostel management committee is as follows:

1.	Hostel Secretary	6.	Cultural Secretary
2.	Joint Hostel Secretary	7.	Technical Secretary
3.	Mess Secretary	8.	Environment Secretary
4.	Sports Secretary	9.	Welfare Secretary
5.	Magazine Secretary		

Hostel Management Committee makes sure that cleanliness and hygiene in the mess area is always maintained. It makes every effort to ensure that wastage of food is reduced to a minimum.

4.6 Scholarship / Assistance-ship

Sr. No.	Name of the Scholarship	Value of Scholarship	No. of scholarships available at the college	No. of scholarships awarded
1.	Central Sector Scheme scholarship for college & University students who have secured 80% or More in GSHSE of Std. 12 th	10000/- per year	Not Specified	108
2.	Post Metric Scholarship SC	Rs.330/- P.M. for Day Scholars and Rs.740/- P.M. for Hostellers Tuition Fees & Other Fees	Not Specified	62
3.	Post Metric Scholarship ST	Rs.330/- P.M. for Day Scholars and Rs.740/- P.M. for Hostellers Tuition Fees & Other Fees	Not Specified	08
4.	Scholarships for Other Backward Classes	Rs.125/- P.M. for Day Scholars and Rs.425/- P.M. for Hostellers	Not specified	69

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		Rs.290/- P.A. Exam Fees		
5.	The Central Sector Scholarship Scheme of Top Class Education for SC Students	Full fee and other non-refundable charges. Lodging & boarding charges at the rate of Rs.2200 p.m. per students or the actual whichever is less. Books & stationary at the rate of Rs.3000 p.a. per student or the actual. A latest P-IV computer system with all the necessary accessories like UPS, Printer and Multimedia etc. limited to Rs.45000 per students for the entire course of study.	12	12
6.	The Central Sector Scholarship Scheme of Top Class Education for ST Students	Full fee and other non-refundable charges. Lodging & boarding charges at the rate of Rs.2200 p.m. per students or the actual whichever is less. Books & stationary at the rate of Rs.3000 p.a. per student or the actual. A latest P-IV computer system with all the necessary accessories like UPS, Printer and Multimedia etc. limited to Rs.45000 per students for the entire course of study.	05	17
7.	National Handicapped Finance and Development Corporation Scholarship Scheme	Non-refundable Fees Maintenance Allowances Books & Stationary Allowances	1000 (Trust Fund) 500 (National Fund)	21
8.	Merit cum Means based scholarship to students belong to minority community	Full course fees & maintenance allowance for 10 months Rs.1000/- per month for hosteller and Rs.500/- per month for day scholar	Not specified	25
9.	Indian Oil Scholarship for SC students	Rs.36000/- per annum	Not specified	04
10	Chief Minister Scholarship Scheme for Gujarat State	50% of tuition fees	Not specified	79

Post Graduate				
1.	M.E./ M.Tech / MS/ M.Design and GATE/GPAT qualified Assistance ship/Scholarship/ Fellowship	12400/- P.M. (Both 1 st & 2 nd year) and 5 th year of Dual Degree Programmes)	Not specified	598
Ph.D.				
1.	JUNIOR RESEARCH FELLOW (JRF) Post Graduate Degree in Basic Science with NET/ Gate qualification or Post graduate degree in Profession Courses.	25000/-P.M.	Not specified	86
2.	SENIOR RESEARCH FELLOW (SRF)	28000/- P.M.	Not specified	35
3	Visvesvaraya PhD Scheme for Electronics & IT under the Department of Electronics and Information Technology (DEITY), Ministry of Communication and Information Technology, Govt. of India	Fellowship @22500/- P.M.(1 st & 2 nd year) @25000/- P.M. (3 rd year and onwards	2 full time	02

4.7 Awards by Students

Scholarship:

APPLIED PHYSICS DEPARTMENT

Adhish Raval, Student of Fourth Year from Applied Physics Department has been selected to receive the prestigious ISA PMCD Scholarship Award for the year 2014 - 15

Sports 2014-15:

No.	Name of Student & Class/Year	Competition	Year	Prize	Place
1.	Prem Chand Devda B. TECH. II	Inter NIT (Handball)	2014-2015	Runner Up	NIT Agartala
2.	Pippalla Satya Raviteja B. TECH. II	NCC	2014-2015	2 Gold Medals And Selected To RDC Delhi Out Of 511 Cadets	Baroda
3.	Jyothsna Rao B. TECH. II	Varchas 2014 (Table Tennis)	2014-2015	First	IIT Jodhpur
4.	Shivani Kabra	Varchas2014 (Table Tennis)	2014-	First	IIT Jodhpur

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	B. TECH. II		2015		
5.	Rutvi Choksi B. TECH. II	Inter Engineering Basketball	2014-2015	First	IIT Jodhpur
6.	Saif Ali B. TECH. III	Inter NIT Cricket Tournament	2014-2015	Runners Up In The Tournament	NIT Allahabad
7.	Vipin Singh B. TECH. III	InterNIT (Chess)	2014-2015	FIRST	SVNIT (Chess)
8.	Arunima Saxena B. TECH. III	Table Tennis Tournament at IIT Jodhpur	2014-2015	First	IIT Jodhpur
9.	Arunima Saxena B. TECH. III	Table Tennis Tournament at Nit Surathkal,	2014-2015	Third	NIT Surathkal
10.	Arunima Saxena B. TECH. III	Table Tennis Tournament at DAIICT	2014-2015	First	DAIICT Gandhinagar
11.	Shivani Sharma B. TECH. III	Basketball Tournament	2014-2015	-	IIT Jodhpur
12.	Akash Tondon B. TECH. IV	Google Summer Of Code 2015	2014-2015	Student Software Developer	India
13.	Suraj Singh Dixit B. TECH. IV	Inter NIT Handball Tournament	2014-2015	Third	NIT Agartala
14.	Shubham Jaiswal B. TECH. IV	Inter-NIT Cricket	2014-2015	Runner Up	MNNIT, Allahabad
15.	Kavita Meena B. TECH. IV	Basketball	First	2014-2015	IIT Jodhpur
16.	Ravi Meena B.Tech II, 2014	Ignis 2014 (Handball)	1st	2014	Surat
17.	Ravi Meena B.Tech II, 2014	Inter NIT 2015	3rd	2015	Agartala
18.	Ravi Meena B.Tech II, 2014	Khel Maha Kumbha	3rd	2014	Surat
19.	Vrati Patel B.Tech II, 2014	Basketball (Varchas)	Represented NIT Surat For Basketball	2014	IIT Jodhpur
20.	Vaibhav Bajaj B.Tech II, 2014	Football(Conquers)	Represented NIT Surat	2014	DAIICT
21.	Mohit Mehta B.Tech II, 2014	Tennis	Runner's Up	2014	IIT Jodhpur
22.	Romil Gandhi B.Tech II, 2014	Basketball	Represented NIT Surat	2014	IIT Jodhpur
23.	Medha Patil B.Tech , 2014	Inter NIT Volley Ball	Semis	2015	Kurukshethra
24.	Manvendra Singh B.Tech II, 2014	Inter NIT Badminton	Second	2015	SVNIT, Surat
25.	Vishal Sahrawat B.Tech II, 2014	Inter NIT Chess	First	2015	SVNIT, Surat
		IIT Jodhpur	First	2015	IIT, Jodhpur
26.	Aerra Ramya B.Tech II, 2014	1.Chess Cometition-Inter Nit	1st	2015	SVNIT
27.	Samineni Pooja Pravalika B.Tech I, 2014	1.Run For Unity	1)1 st	2015	SVNIT
		2.Hindi Pakhwara(Running Competition)	2)1 st	2015	

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28.	Neha Varma B.Tech I, 2014	1.NCC Catc	Certificate-B	2015	Vadodara
29.	Ayush Labh B.Tech I, 2014	Inter NIT (Kho-Kho)	3 rd Place	2015	Agartala
30.	Amol Singh B.Tech I, 2014	NCC-Catc	Certificate-B	2015	Vadodara
31.	Vishesh Dawar B.Tech I, 2014	Inter NIT(Basket Ball)	1 st Prize	2015	SVNIT
32.	Anurag Nahar B.Tech I, 2014	Chess(Aatish)	2 nd Prize	2015	SVNIT
33.	Vikranth Singh B.Tech I, 2014	1.Inter Nit(Hand Ball) 2.Run For Unity	3 rd Prize 1 st Prize	2015 2015	Agartala SVNIT
34.	Aita Sindhu Sree B.Tech I, 2014	Badminton(Aatish)	Runner Up	2015	SVNIT

Technical & Cultural Events 2014-15:

No.	Name of Student & Class/Year	Competition	Year	Prize	Place
1.	Bhuvan Shah B. TECH. III	IAS Summer Research Fellowship 2015	2014-2015	Summer Fellow/Intern	IIT-Madras
2.	Anshuman Misra B. TECH. III	VORTEX ICT PAPER PRESENTATION	2014-2015	4th POSITION	Mumbai & Kanpur
3.	Nisarg Dalal B. TECH. III	Vortex-2014	2014-2015	Finalists	ICT-Mumbai
4.	Jency Rana B. TECH. III	POSTER PRESENTATION	2014-2015	PARTICIPATION	Chemtech Foundation,Mumbai
5.	Shema Rachel Abraham B. TECH. III	Internship	2014-2015	Topic: Hydrogen sulfide production on demand	The Petroleum Institute, Abu Dhabi, UAE
6.	Abhishek Doshi B. TECH. III	Research Internship	2014-2015	Student Intern	CSIR-CSMCRI, Bhavnagar
7.	Jaimin Panchal	Recalibrate	2014-2015	Finalists	ICT Mumbai
8.	Sapan Gandhi B. TECH. IV	Summer Internship	2014-2015	Research Intern	National University of Singapore
9.	Sapan Gandhi B. TECH. IV	Industrial Visit -BASF	2014-2015		Mumbai
10.	Sapan Gandhi B. TECH. IV	Outstanding Young Chemical Engineers-2015	2014-2015	1st Among 60 Posters	Mumabi
11.	Sapan Gandhi B. TECH. IV	Azeotropy-2015	2014-2015	Shortlisted For The Final Event	Mumabi
12.	Srashti Saini B. TECH. IV	Chemophilia Quiz	2014-2015	Chemophilia quiz 2nd position in inter college	Chemophilia SVNIT Surat conducted by IIT Bombay
13.	Rajat	Texas Instruments	2014	-	SVNIT

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	Khandelwal B.Tech II, 2014	Innovation Challenge India Design Contest			
14.	Ahan Vashi B.Tech II, 2014	ISTE Student (Robowar)	2014	-	Institute Of Technology ,Nirma University,Ahmedabad
15.	Parth Shah B.Tech II, 2014	ISTE Student (Robowar)	2014	-	Institute Of Technology ,Nirma University,Ahmedabad
16.	Bhagya Shah B.Tech II, 2014	ISTE Student (Robowar)	2014	-	Institute Of Technology ,Nirma University,Ahmedabad
17.	Ishan Dave B.Tech II, 2014	ISTE Student (Robowar)	2014	-	Institute Of Technology ,Nirma University,Ahmedabad
18.	Karan Jariwala B.Tech II, 2014	Nutech-2015	2015	-	Institute Of Technology ,Nirma University,Ahmedabad
19.	Ishan Dave B.Tech II, 2014	Nutech-2015	2015	-	Institute Of Technology ,Nirma University,Ahmedabad
20.	Bhagya Shah B.Tech II, 2014	Nutech-2015	2015	-	Institute Of Technology ,Nirma University,Ahmedabad
21.	Ahan Vashi B.Tech II, 2014	Nutech-2015	2015	-	Institute Of Technology ,Nirma University,Ahmedabad
22.	Siddharth Bhatla B.Tech II, 2014	Summer Internship At Azn O&M Com. Kuwait City, Kuwait	2015	-	Azn O&M Com. Kuwait City, Kuwait
23.	T.Harsha Vardhan B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest- 2015	2014	-	SVNIT
24.	Amit Dutta B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest- 2015	2014	-	SVNIT
25.	D.C.Sandeep B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest- 2015	2014	-	SVNIT
26.	Varsha Bhaskar B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest- 2015	2014	-	SVNIT
27.	Jayant Shrma B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest- 2015	2014	-	SVNIT
28.	T.Harsha	Texas Instruments	2014	-	SVNIT

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	Vardhan B.Tech III, 2014	Innovation Challenge India Design Contest			
29.	Amit Dutta B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest	2014	-	SVNIT
30.	D.C.Sandeep B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest	2014	-	SVNIT
31.	Varsha Bhaskar B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest	2014	-	SVNIT
32.	Jayant Shurma B.Tech III, 2014	Texas Instruments Innovation Challenge India Design Contest	2014	-	SVNIT
33.	M.Sandeep Kumar B.Tech III, 2014	Training	2014	-	Ecit, Ecil Hyderabad
34.	V.L.N.P Venkatsh B.Tech III, 2014	Internship	2014	-	Alstom, Maneja Vadodra
35.	Umang Yadav B.Tech III, 2014	Summer Research Project	2014	-	SVNIT, Surat
36.	Pooja Ghose B.Tech III, 2014	Practical Training/ Project Work Facilities	2015	-	Bhabha Atomic Reserch Center Human Resource Development Division
37.	Shubham Garg B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
38.	Pradumn Joshi B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
39.	Rahul Dhakecha B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
40.	Arvind Kumar B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
41.	Abhishek Singh B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore

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42.	Kuldeep Baid B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
43.	Mota Ram B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
44.	Akhil Goyal B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
45.	Rahul Kalra B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
46.	Som Pathak B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
47.	Chanduri Sai Sirish B.Tech IV, 2014	Texas Instrument Innovation Challenge India Design Contest 2015	2014	-	Bangalore
48.	Pratik Chatrath B.Tech IV, 2014	Research Project At Tufts University	2014	-	Tufts University, Medford,USA
49.	Pratik Vaishnavi B.Tech III, 2014	Cultural & Technical	2015	20,000	
50.	Amar Chaudhary B.Tech III, 2014	Cultural & Technical	2015	20,000	
51.	Jayesh Monani B.Tech III, 2014	Cultural & Technical	2015	1st prize in SPARSH 2015 dancing night	SVNIT, Surat
52.	Ravvala Srikanth B.Tech III, 2014	Others	2008	PAINTING COMPETITION(1st)	Khammam
53.	Burhanuddin Yusuf Batliwala B.Tech III, 2014	Others	2015		
54.	Paras Kor B.Tech IV, 2014	Sparsh Luminous Light Follower Boat	2014-15		SVNIT, Surat
55.	Meenu Agarwal	City Scape (Sparsh)	2014-15		SVNIT, Surat
56.	Sayan Saha	Robopirx	2014-15		SVNIT, Surat
57.	Sutar Sarfaraz Sirajbhai	Luminous	2014-15		SVNIT, Surat
58.	Ayushi Vyas	Singing Night(Sparsh)	2015	Consolation Prize	SVNIT, Surat

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59.	Gopi K Patel	Tryst(lit Delhi Zone)	2015	Runner Up	IIT Delhi
60.	Gopi Doshi	1.Tryst(IIT Delhi Zone)	2015	Runner Up	IIT Delhi
		2.Mind F Quiz(Sparsh)	2015	Runner Up	SVNIT, Surat
61.	Madhuwima Das	Drawing(Hindi Pakhwara)	2015	3 rd Prize	SVNIT, Surat
62.	Anurag Nhar	Singing (Kashish)	2014	1 st Prize	SVNIT, Surat
63.	Sandeep.T	Trivia(Drishti)	2014	2 nd Prize	SVNIT, Surat
64.	Aaditya Kaul	Singing (Sparsh)	2015	2 nd Prize	SVNIT, Surat
65.	Arpit Kumar	1.Singing (Kashish) 2.Grand Master(Sparsh)	2014	1 st Prize	SVNIT, Surat
66.	Hiren Kakkad	SCOSH	2014	First	SVNIT, Surat
67.	Devanshu Kumavat	SCOSH	2014	First	SVNIT, Surat
68.	Murudumay Sadh	SCOSH	2014	First	SVNIT, Surat
69.	Supriya Murdia	SCOSH	2014	Second	SVNIT, Surat
70.	Shovik Ghosh	SCOSH	2014	Third	SVNIT, Surat
71.	Kaushik Ghosh	SCOSH	2014	Third	SVNIT, Surat

Performance in GATE – 2014-15**B.Tech-IV (Data is available only from Electrical and Electronics for GATE/GRE)**

ELECTRICAL ENGINEERING DEPARTMENT		
No.	Name of Student & Class/Year	All India Rank (AIR) obtained
1.	Gaurav	523 (Score)
2.	Kevin Akbari	697 (Score)
3.	K.Shreyas	AIR-882 / 675 (Score)
4.	Suraj Singh	523 (Score)
5.	Shubham Sundeep	755 (Score)
6.	Mukund Mishra	537 (Score)
7.	Yash Bhavesh Dave	AIR-311 / 769 (Score)
ELECTRONICS ENGINEERING DEPARTMENT		
No.	Name of Student & Class/Year	All India Rank (AIR) obtained
1.	Vikash Verma B.Tech-IV	7835
2.	Jitendra Kumar B.Tech-IV	14108

Performance in GRE – 2014-15**B.Tech-IV**

ELECTRICAL ENGINEERING DEPARTMENT		
No.	Name of Student & Class/Year	Score
1.	Mihir Gadkari	320
ELECTRONICS ENGINEERING DEPARTMENT		
No.	Name of Student & Class/Year	Score
1.	Raj Desai (B.Tech-IV,Div-B,2015)	301
2.	Vivek ghelani (B.Tech-IV,B,2015)	310
3.	Siddharth Parikh (B.Tech-IV,B,2015)	322
4.	Priyanshi churiwala (B.Tech-IV,B,2015)	323
5.	Shivam Inamdar (B.Tech-IV,B,2015)	310

4.8 Examination Details

UG Programme

Discipline	Total No Appeared	Total No Passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Civil	94	93	50	22	21	Gulamhussainwala Habib Hussain	9.48
Mechanical	206	194	109	56	29	Manish Jamnaprasad Rathi	9.65
Electrical	91	89	40	26	23	Patel Sankalp Rameshbhai	9.81
Electronics & Comm.	142	142	70	41	31	Bhoomika Gupta	9.76
Computer	98	95	37	30	28	Surabhi Mour	9.71
Chemical	74	73	30	20	23	Amita Ranjana	9.43
Total	705	686	336	195	155		

Five years integrated M.Sc.

Discipline	Total No Appeared	Total No Passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Chemistry	11	11	09	02	00	Betha Saineelima B. Kasibabu	9.29
Physics	11	10	05	03	02	Parul Jain	9.47
Mathematics	04	04	03	01	00	Patel Snehal Bharatbhai	9.58
Total	26	25	17	06	02		

PG Programme

Departments	No of students passed
Chemical Engineering	16
Civil Engineering	95
Computer Engineering	21
Electrical Engineering	40
Electronic Engineering	39
Mechanical Engineering	94
Total	305

M. Tech. (Research) Programme

Departments	No of students passed
Chemical Engineering	00
Civil Engineering	02
Computer Engineering	01
Electrical Engineering	00
Electronic Engineering	01
Mechanical Engineering	02
Total	06

Ph.D. Programme

Departments	No of students passed
Chemical Engineering	06
Civil Engineering	13
Computer Engineering	06
Electrical Engineering	02
Electronics Engineering	04
Mechanical Engineering	07
Chemistry	06
Mathematics	09
Physics	01
Total	54

4.9 Training and Placement

SVNIT offers Six Under Graduate (B.Tech), Seventeen Post Graduate (M.Tech) and Three M.Sc. Integrated courses (Chemistry, Physics & Mathematics) to the students. The Training & Placement Section (T&P) helps the student's community to get the proper placement in various public and private sector organizations by arranging the campus interviews. The invitations in this regards were sent to different organizations. Following are the relevant information as ready reference. Detail information is available in section 2.10.

5.0 RESEARCH AND DEVELOPMENT ACTIVITIES:

5.1 Ph.D. Programmes – Existing:

Ph.D being carried out in all the departments in various specializations and research areas of Chemistry, Mathematics, Humanities, Management, Structural Engineering, Soil Mechanics and Foundation Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, and Mechanical Engineering.

5.2 Details of Ph.D.

APPLIED CHEMISTRY DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	Annirudhsinh Rana	Study on Synthesis and biological evaluation of Quinazoline-4(3H)-one, Thiazolidine-4-one, Rhodanine and s-Triazine based derivatives	Dr. Smita Jauhari
2.	Ami Vyas	Adsorptive studies on Palladium (II) and Platinum (IV) using Rice husk and its derivatives	Dr. Smita Jauhari, Prof Z V P Murty
3.	Amit B. Patel	Chemical strategies towards the synthesis of rationally designed heterocycles and their pharmacological evaluations.	Dr. Premlata Kumari
4.	Krunal Shah	Silica Based Solid Acid Catalysts for Biodiesel Synthesis from Various Oil Feed Stocks	Dr. Kalpana Maheria, Dr. Jigisha Parikh
5.	Vaibhvkumar N. Mehta	Functionalization of dithiocarbamate derivatives on metallic nanoparticles (Au and Ag) for colorimetric sensing of metal ions and green synthetic approach for preparation of carbon dots and their imaging applications	Dr. Suresh Kumar Kailasa
6.	Bhushan Choubisa	Microbial Production of Lactic Acid for Polylactic acid (PLA) Synthesis and Studies on PLA Application	Dr. Bharat Dholakiya
7.	Mahesh H. Malani	Studies on Design, Synthesis and Biological Evaluation of Carbazole and Tetrazole Based Heterocycles	Dr. Bharat Dholakiya
8.	Bhavesh D. Dhorajiya	Studies on Design, Synthesis and	Dr. Bharat

		Biological Evaluation of Barbiturates and Thiobarbiturates Based Heterocyclic Scaffold	Dholakiya
9.	Tejas Gandhi	Synthesis and Characterization of Sustainable Rigid Polyurethane Foam from Cashew nut Shell Liquid	Dr. Bharat Dholakiya
10.	Gopal Chawada	Environmentally-Friendly Organic-Inorganic Hybrid Coatings for Corrosion Protection of Metal Alloys	Dr. Bharat Dholakiya
APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	Kajal Patel	Approximate solution of non-linear boundary value problems arising in fluid flow through porous media by Homotopy Analysis Method.	Twinkle R. Singh Prof. M.N. Mehta
2.	Pratik V. Shah	A Study on Generalized Mittag-Leffler function and Fractional Calculus	Dr. A.K. Shukla
3.	Ramesh S. Damor	Studies on Heat Transfer in Biological Tissue: A Fractional Calculus Approach	Dr. Sushil Kumar & Dr. A.K. Shukla
4.	Shrinivas J. Rapeli	Generalization of Sheffer Classification and their Properties,	Dr. A.K. Shukla
5.	Snehal B. Rao	Some Studies on Wright Type Generalized Hypergeometric Function	Dr. A.K. Shukla
6.	Kejal Khatri (DS10MA301)	A study on approximation of functions in Banach spaces using summability methods	Dr. V.N. Mishra
7.	Dr. Vaishali S. Dhingra	Foreign institutional investments in india: an empirical analysis of determinants and dynamic interactions with stock market return and volatility	Dr. Hemantkumar P. Bulsara, SVNIT and Dr. Shailesh Gandhi, IIM A
8.	Dr. Pooja P. Patel	An empirical study on weak form of market efficiency and co-integration of indian stock market with selected emerging and developed stock markets of the	Dr. Hemantkumar P. Bulsara, SVNIT and Dr. Shailesh Gandhi, IIM A

		world	
9.	Dr. Ramesh Damor	Studies on heat transfer in biological tissue: A fractional calculus approach	Dr. Sushil Kumar
10.	Som Sahni	Mathematical Methods for Speech Synthesis and Speech Enhancement of Gujarati Language	Dr. V.H. Pradhan and Prof. S. Ramamohan
11.	Himanshu V Chapani	Numerical Solution of One Dimensional Groundwater Flow Equations by Quadratic B-Spline Finite Element Method	Dr. V.H. Pradhan and Prof. M.N. Mehta
12.	Sona Raj	Numerical Solution of One-Dimensional Solute Transport Equations in Porous Media by Differential Quadrature Method	Dr. V.H. Pradhan and Prof. A.P. Verma
13.	Ms. Babita Kar	Emergence of New Woman in the selected novels of Shashi Deshpande and Manju Kapur	Dr. Urvashi Kaushal
14.	Rinku Mathur	Computational Models to Study Reticulate Events and Phylogenetic Networks in Molecular Sequences	Dr. Neeru Adlakha
15.	Mansha Kotwani	Mathematical Modelling of Intercellular Dynamics in Fibroblast Cell	Dr. Neeru Adlakha
16.	Akshara Makrariya	Computational Models to Study Temperature Distribution in Extended Spherical and Ellipsoidal Shaped Human Organs	Dr. Neeru Adlakha
17.	Babita Kumari	Computational Models to Study Temperature Distribution in Human Limbs Involving Physical Exercise	Dr. Neeru Adlakha
18.	Deepesh Patel	On Generalization of Metrical Fixed Point Theorems	Dr. D. Gopal
APPLIED MECHANICS DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	Gohil Divyangini Paresh	Performance Of Shallow Building Foundation Constructed On Geogrid Improved Ground Subjected To Earthquake Forces	Dr A K DESAI & Dr C H SOLANKI
2.	Manish H. Sharma	Liquefaction Hazard Zonation	Dr. C H Solanki

		Mapping of Dahej, Bharuch, Gujarat	
3.	Vijaykumar J. Sharma	A Study on Cushioned Composite Piled Raft Foundation Under Axial and Lateral Forces	Dr. S A Vasanwala & Dr C H SOLANKI
4.	Jigar K. Sevalia	Numerical Study Of Wind Induced Mean Drag Forces On Tall Buildings	Dr A K Desai & Dr S A Vasanwala
5.	Satish Nanalal Desai	Experimental Investigation for Utilization of waste from Petroleum Industry (Spent Zeolite Catalyst and Steel Industry (FES Dust) in Concrete and Mortar	Dr H S Patil
6.	Yashwant Patil	Strengthening of Concrete Rectangular Columns using FRP by Cross section alternation	Dr H S Patil
7.	M N Bajad	Effect of Chloride and Sulphate attack on the Properties of Conglasscrete	Dr C D Modhera & Dr A K Desai
8.	Sejal P Dalal	Performance Based Plastic Design of Moment resisting frames using the proposed in elastic design spectra	Dr S A Vasanwala & Dr A K Desai
CHEMICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	Smita Gupta	Application of Liquid Membrane for the removal of Mercury and Bisphenol – A from aqueous solution	Dr Z.V.P.Murthy Dr M.Chakraborty
2.	Chetan Patel	Processing Nanomaterials in Stirred Media Mill	Dr Z.V.P.Murthy Dr M.Chakraborty
3.	Rakhi Mehta	Nanofuels & Biofuels: Preparation, Stabilization and Combustion Performance in CI Engine	Dr P.A.Parikh Dr M.Chakraborty
4.	Mr. Nishant Srivastava	Biosynthesized Nanoparticles for Environmental Applications	Dr. Mausumi Mukhopadhyay
CIVIL ENGINEERING DEPARTMENT			

No.	Name of Student	Title of Thesis	Guide
1.	Dhaval M. Parikh	Study on dispute occurrence behaviour under influence of multiple claim causes in highway projects in India	Dr. G J Joshi
2.	Ms. Hiral K. Desai	Modelling tritium concentration in lake environment under uncertainty	Dr. R. A. Christian
3.	Bhaven N. Tandel	Urban road traffic noise: Prediction optimization model using genetic algorithm and audiometric assessment	Dr. J E M Macwan
4.	U C Roman	Estimation of missing rainfall and prediction of runoff in upper catchment of Tapi basin	Dr. P. L. Patel
5.	Ashok Varne	Fuzzy optimization and neuro-fuzzy modelling of distillery waste	Dr. J E M Macwan
6.	Amol B. Saner	Treatment of distillery wastewater by UASB and its post treatment by MFC	Dr. N J Mistry Dr A K Mungray
7.	Ms. Dipi A. Patel	Fuzzy knowledge based modelling in prediction of ambient atmospheric parameters	Dr. R. A. Christian

COMPUTER ENGINEERING DEPARTMENT

No.	Name of Student	Title of Thesis	Guide
1.	Modi Chirag N.	NIDS in Cloud Computing	Dhiren R. Patel
2.	Mrs Mayuri Mehta	Distributed Algorithms	Devesh C Jinwala
3.	Mr Nishant Doshi	Information Security and Cryptography	Devesh C Jinwala
4.	Mrs Vivkasha Jariwala	Secure Data Aggregation	Devesh C Jinwala
5.	Mrs Sankita Patel	Privacy Preserving Data Mining	Devesh C Jinwala
6.	Mrs Nirali Nanavati	Privacy Preserving Data Mining	Devesh C Jinwala
7.	Phalanikar Rashami R.	Software Engineering	Devesh C. Jinwala
8.	Kavita R. Singh	Image Processing Genetic	Mukesh A Zaveri
9.	Rana Keyur M.	Collaborative Data Processing on Wireless Sensor N/W	Mukesh A Zaveri
10.	Ms. Ujwalla Gawande	Digital Image Processing	Mukesh A Zaveri
11.	Dalal Mita K.	Machine Learning	Mukesh A. Zaveri

ELECTRICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	H. R. Jariwala	Low Frequency Oscillation Damping using PID - PSS and FACTs	Dr. Anandita Chowdhury
2.	Khyati Mistry	Enhancement of system performace through minimization of power losses and cost of operation in power distribution network	Dr.R.Roy
3.	M. A. Mulla	Studies on Control Algorithms for series hybrid active power filter	Dr. R. Chudamani Dr. Anandita Chowdhury
4.	Shabbir Wohra	Theoretical modeling and analysis of silicon based multi junction and quantum DOT thin film solar cells developed on MATLAB platform	Dr. A. K. Panchal
5.	Heli Golwala	Studies on different pulse with modulation techniques for four leg voltage source inverter an its applications	Dr. R. Chudamani
6.	Hiren G. Patel	Studies in randomly perturbed dynamical systems	Dr. S. N. Sharma
ELECTRONICS ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	Hiren Mewada	Active Contour Formulation for Constrained Image Segmentation	Dr. Suprava Patnaik
2.	Vishal Vankhede	Optimized Resource Allocation for Physical Layer of Mobile WIMAX Network Applied in Scheduling of Scalable Video Multicast.	Dr.(Mrs).U.D.Dalal
3.	Mita Paunwala	Biometric: Template protection and Fusion	Dr. Suprava Patnaik
4.	Sunita Ugale	Modelling and Simulation of Optical Fiber Gratings	Dr. V. Mishra

MECHANICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
1.	Sachin Kashid	A contribution to the development of expert system for intelligent design of compound dies and prediction of die life using ANN	Dr. Shailendra Kumar
2.	Mahesh Chudasama	Development of Analytical Models for Bending Force during 3-Roller Conical Bending Process	Dr. H K Raval
3.	Manishkumar K Rathod	Experimental investigations on latent heat storage using phase change material	Dr. J Banerjee
4.	Rupesh D shah	Experimental and numerical analysis of Upward swirl CAN type combustor chamber	Dr. J Banerjee
5.	Hemantkumar B Mehta	Experimental and numerical investigations on two phase flow through mini and micro channels.	Dr. J Banerjee
6.	Deepak Panghal	A Contribution to the Development of Knowledge Based System for Intelligent Design of Bending Dies	Dr. Shailendra Kumar
7.	Kirankumar Rushinath Jagtap	Uncertainty quantification of elastically supported functionally graded material plate in thermal environment	Dr. Achchhe Lal
8.	Mr. Pujara Akshay Ashvinkumar (D10ME005)	Study of Selected Information Sharing Issues in Supply Chain for Indian Manufacturing Organizations	Ravi Kant
9.	Mr. Sachin K. Patil [D11ME003]	Study of Knowledge Management Adoption in Supply Chain by Fuzzy MCDM Approaches	Ravi Kant

5.3 Proposed Plan for Research

APPLIED CHEMISTRY DEPARTMENT

(1) The focus research areas in the department are as follows :

1. Heterogeneous catalysis
2. Ion exchange
3. Waste water treatment
4. Medicinal Chemistry
5. Polymer synthesis for some specialty applications,
6. Bio fuel synthesis
7. Novel organic synthesis.
8. Nanosensors, plasmonic particles and drug delivery
9. Extraction of natural products
10. Computational Chemistry
11. Supramolecular Chemistry
12. Corrosion
13. Ionic Liquids
14. Dyes
15. Nanomaterials and nanotechnology
16. Biomaterials
17. Thermodynamics and Solution Chemistry
18. Biomass Dissolution and Application
19. Surfactants

(2) Currently there are 23 Ph.D candidates in Applied Chemistry Department.

Scholars pursuing Ph.D., currently and their details:

APPLIED CHEMISTRY DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Mr Yogeshwar R. Suryawanshi	FRS	Nanocatalyst	Dr. Smita Jauhari & Dr. Mousumi Chakraborty	Research work
2.	Mr Ashish Raychura	FIR	Polymers	Dr. Smita Jauhari & Dr. Bharat Dholakiya	Research work
3.	Mr. Azazahemad A. Kureshi	FSF	Phytochemical Investigation of medicinal plant(s) for cytotoxic properties	Dr. Premlata Kumari	Research work
4.	Ms. Sonia R. Lakhotia	FSF	Water treatment by membranes	Dr. Premlata Kumari & Dr. Mausumi Mukhopadhyay	Research work
5.	Mr. Manoj Kumar Rathod	FIR	Catalytic synthesis of biologically active compounds through multi-component reaction.	Dr. Kalpana Maheria & Dr. Suban Sahoo	Writing Thesis
6.	Ms. Jenifer Gabla	FIR	Heterogeneous catalysis for pharmaceuticals synthesis	Dr. Kalpana Maheria	Course work
7.	Mr. Dharmesh Lathiya	FIR	Heterogeneous catalysis for biodiesel synthesis	Dr. Kalpana Maheria & Dr. D. V. Bhatt	Course work

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8.	Ms. Dhara Surti	FSF	Material Chemistry	Dr. Kalpana Maheria	Course work
9.	Mr. Utkarsh U More	PPF	Surfactants	Dr. Naved I Malek	Research work
10.	Mr. Zuber S Vaid	FRS	Ionic Liquids	Dr. Naved I Malek	Research work
11.	Ms. Sargam Rajput	FIR	Surfactants	Dr. Naved I Malek & Dr. Suresh Kumar Kailasa	Research work
12.	Ms. Shilpa Bothra	FRS	Biosensors	Dr. Suban K Sahoo	Research work
13.	Mrs Darshana Sharma	FIR	Sensors	Dr. Suban K Sahoo	Thesis submitted
14.	Ms. Yachna Upadhyay	FIR	Biological Sensors	Dr. Suban K Sahoo & Dr Rajender Kumar	Course work
15.	Ms. Karuna A. Rawat	FRS	Preparation of Au NPs using novel reagents and their colorimetric sensing applications	Dr. Suresh Kumar Kailasa	Recommended for Presynopsis
16.	Mr. Jigneshkumar V. Rohit	PPF	Dithiocarbamate functionalized NPs for colorimetric detection of pesticides	Dr. Suresh Kumar Kailasa	Recommended for Presynopsis
17.	Ms. Jigna Bhamore	FIR	Development of fluorescent nanoparticles for sensing of chemical species and their drug delivery	Dr. Suresh Kumar Kailasa	Research work
18.	Ms. Mittal Desai	FSF	Metal ion-doping in nanoclusters and their	Dr. Suresh Kumar Kailasa	Course work

			applications		
19.	Mr. Mehul Savaliya	FIR	Biodiesel synthesis	Dr. Bharat Dholakiya	Research work
20.	Mr. Jayanti Makasana	PEC	Natural plant extraction	Dr. Bharat Dholakiya	Research work
21.	Mr. AmitKumar G. Shirke	FSF	Polymer synthesis using Vegetable oils	Dr. Ketan Kuperkar	Research work
22.	Mr. Bharatkumar B. Kanoje	FSF	Synthesis, characterization of Gemini surfactant and its application	Dr. Ketan Kuperkar	Research work
23.	Ms. Nimisha Singh	FIR	Biomaterials for Cancer Treatment	Dr. Rajender Kumar Dr. Suban K Sahoo	Research work
24.	Mrs. Khushbu Patel	FRS	Antibiofouling Biomaterials	Dr. Rajender Kumar	Research work

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT

(1) The focus research areas in the department are as follows :

1. Fluid Flow through Porous Media, Special Functions, Integral Transforms, Fractional Calculus, Optimization Techniques, Numerical Weather Prediction, Approximation Theory, Summability theory, Differential geometry, Variational inequalities, Positive linear operators, Mathematical Modeling and Simulation, Operation Research, Numerical solution of Differential equations, Differential Equations, Computational and Mathematical Biology, Biomathematics/ bio-computing /Bioinformatics, Data Mining, Advance Analytic & Numerical Techniques
2. Management area (in Marketing (Consumer Behavior, Branding, Green Branding, Political Branding, Retailing), Technology Innovations and Techno-Entrepreneurship, Women Entrepreneurship, Strategy, Supply Chain Management mainly) and caring out research by handling research projects etc

3. Indian English Fiction, Post-colonial fiction and Communication Skills

(2) Currently there are 53 Ph.D. and 110 M.Sc.candidates in Applied Mathematics and Humanities Department.

Scholars pursuing Ph.D., currently and their details:

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Pandit Dhiren	PEC	Behavior reorganization	Dr. Jayesh Dhodiya	Research work
2.	Patel Yogeshwari F.	PEC	Mathematical modeling	Dr. Jayesh Dhodiya	Research work
3.	Patel Jignasha G.	PEC	Optimization	Dr. Jayesh Dhodiya	Research work
4.	Tailor Anita Ravi	FIR	Optimization	Dr. Jayesh Dhodiya	Research work
5.	Rekh Riddhi K.	PEC	Optimization	Dr. Jayesh Dhodiya	Research work
6.	Pathak Shreekant P.	FIR	Fluid flow through porous media	Dr. Twinkle Singh	Research work
7.	Kunjan Shah	PEC	Fluid flow through porous media	Dr. Twinkle Singh	Research work
8.	Bhoomika Choksi	FIR	Fluid flow through porous media	Dr. Twinkle Singh	Research work
9.	Hardik Patel	FIR	Fluid flow through porous media	Dr. R. K. Meher	Research work
10.	Trushit Patel	FIR	Heat transfer	Dr. R. K. Meher	Research work
11.	Vimal Gohil	PEC	Fluid flow through porous media	Dr. R. K. Meher	Research work
12.	Nirav Patel	PEC	Fluid flow through porous media	Dr. R. K. Meher	Research work
13.	Vaishaili Sonavane I.	FRS	Certain problems on Approximation of Functions L_p ($p \geq 1$)-spaces via summation process	V.N Mishra	Research work
14.	Prashantkumar	PEC	Some Summation-	V.N Mishra	Thesis writing

	G. Patel		Integral type Operators in Approximation Theory		
15.	Preeti Sharma	FIR	Some approximation properties of generalization of the family of positive linear operators	V.N Mishra	Research work
16.	R.B. Gandhi	PEC	Approximation & Operator Theory	V.N Mishra	Research work
17.	Shikha Pandey	FIR	Approximation Theory	V.N Mishra	Research work
18.	Ankita R Devdhara	FSF	Approximation Theory	V.N Mishra	Research work
19.	Khyati R. Desai	PEC	Applications of Homotopy Perturbation Method in Imbibition Phenomenon in Porous Media	Dr. V. H. Pradhan	Thesis submitted
20.	Piyush R. Mistry	PEC	Applications of Variational iteration method in Instability phenomenon in porous media	Dr. V. H. Pradhan	Thesis submitted
21.	SatishDeasle	PEC	Numerical Solution Boundary Layer Flow equations along a Flat Plate by Keller Box Method	Dr. V. H. Pradhan	Thesis submitted
22.	PremkiranBhadane	PEC	Approximate analytical solution by Elzaki transform Homotopy perturbation method of some	Dr. V. H. Pradhan	Thesis submitted

			non-linear equations arising in fluid flow through porous media		
23.	Priyanka M. Patel	FIR	Exact travelling wave solutions of some nonlinear equations by modified F-expansion method	Dr. V. H. Pradhan	Thesis writing
24.	Ravindra N. Borana	PEC	Numerical solution of single and double phase flow in porous media	Dr. V. H. Pradhan	Thesis writing
25.	AmrutaR. Daga	PEC	Application of Variational Homotopy Perturbation method to non-linear equations arising in stream aquifer interaction problems	Dr. V. H. Pradhan	Thesis writing
26.	Asmita C Patel	FIR	Application of Haar Wavelet Method to one dimensional Contaminant Transport Equations	Dr. V. H. Pradhan	Thesis writing
27.	Dilip Jain	FIR	Fixed point	Dr. D. Gopal	Research work
28.	Lokesh M. Budhia	FIR	Fixed point	Dr. D. Gopal	Research work
29.	Jyoti Chandawani	PEC	Women Entrepreneurship in fashion Industry	Dr. H. P. Bulsara	Thesis Writing
30.	Hiren Patel	PEC	Green Supply Chain Measurement in Textile Industry	Dr. H. P. Bulsara	Thesis Writing

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31.	Heta Desai	FIR	Consumer behavior in financial investment decisions	Dr. H. P. Bulsara	Thesis Writing
32.	Meenu Shant Priya	PEC	Green Branding	Dr. H. P. Bulsara	Thesis Writing
33.	Alok Kumar	PEC	Public Private Partnership in Highway Infrastructure	Dr. H. P. Bulsara	Research work
34.	Kshitij G. Trivedi	FIR	Retailing and buying Behavior of Fruits & Vegetables	Dr. H. P. Bulsara	Research work
35.	Roshni Singh	PEC	Political Branding	Dr. H. P. Bulsara	Research work
36.	Nidhi Yadav	PEC	Consumer Behavior towards Ayurvedic Medicines	Dr. H. P. Bulsara	Research work
37.	Priyanka Kumari	FSF	Corporate Entrepreneurship	Dr. H. P. Bulsara	Research work
38.	Jignesh Chauhan	FIR	Fractional calculus & Special function	Dr. R. K. Jana Dr. A.K. Shukla	Research work
39.	Rachana Desai	PEC	Fractional calculus & Special function	Dr. A.K. Shukla	Research work
40.	Bhumika maheshwari	PEC	Fractional calculus & Special function	Dr. R. K. Jana Dr. A.K. Shukla	Research work
41.	Rakesh das	FIR	Inventory model	Dr. R. K. Jana	Research work
42.	Hiren lekhadiya	FIR	Data assimilation	Dr. R. K. Jana	Research work
43.	Subhanshu Goyal	PEC	Data mining and Image processing	Dr. sushil kumar Dr. A.K. Shukla	Research work
44.	Hitesh bansu	FIR	Radial basis function	Dr. sushil kumar	Research work
45.	snehal patel	FRS	Numerical solution of moving bvp using spectral method	Dr. sushil kumar	Research work
46.	vijay saw	FIR	Numerical solution of ordinary	Dr. sushil kumar	Research work

			differential equation		
47.	Amit Sharma	PEC	Computational model to study the gene expression in the cell	Dr. Neeru Adlakha	Thesis Writing
48.	Kunal Pathak	PEC	Computational model to study the calcium dynamics in cardiac myocytes	Dr. Neeru Adlakha	Thesis Writing
49.	Vijendra Rawat	PEC	Finite element approach to study the effect of calcium in hepatocytes	Dr. Neeru Adlakha	Research work
50.	Nisha Parmar	FIR	Computational biology in calcium signaling in fibroblast cell	Dr. Neeru Adlakha	Research work
51.	Ramchandra Joshi	PEC	Indo-caribbean Canadian fiction	Dr. Urvashi Kausal	Research work
52.	Krupa Sophiya Jeychandra	PEC	Post-Colonial fiction	Dr. Urvashi Kausal	Research work
53.	Anuradha Sharma	PEC	Indian English Narratives	Dr. Urvashi Kausal	Research work

Scholars pursuing M.Tech dissertation currently and their details:

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Heral Kevrani	Hotel Inventory management using Linear Programming	Operation Research	Dr. R. K. Jana & Prof. N. H. Shah
2.	Harsh Bhatt	Application of Directed Acyclic Graph in Distributed Version Control System	In control system	Twinkle R. Singh & Dr. J. M. Dhodiya
3.	Patel Charmiben	Study on partial differential equation arising in Traffic	Traffic flow problems	Twinkle R. Singh

	Natavarbhai	Flow Problems		
4.	Kaushik Kathrotia	A study on linear methods of summation of series	Approximation theory	Dr. V.N. Mishra
5.	Charmi N. Patel	A discussion on cordial labeling of graphs	Graph Theory	Dr. V.N. Mishra & Dr. U.M. Prajapati
6.	Sunny Parekh	A Study of Interval value parameter based PERT and CPM with Computational Program	Operation Research	Dr. J. M. Dhodiya
7.	Garima Allawadhi	A study of Multi objective transportation problem with nonlinear cost and multi choice demand	Operation Research	Dr. J.M. Dhodiya
8.	Parth Mukeshbhai Shah	Calculation of Power Angular Spectrum for incomplete sky CMB observation	Applied Mathematics	Dr. V. H. Pradhan & Dr. Pravabati Chingangbam
9.	Kalyani Shelat	An alternative estimation of Beta with application to the financial markets	Applied Mathematics	Dr. V. H. Pradhan & Prof. Arnab Kumar Laha

APPLIED MECHANICS DEPARTMENT

(1) Research specializations are Sub Soil Characteristics, Predictions in Geotechnical Engineering, Ground Improvement.

(2) Currently there are 49Ph.D. (ongoing), 39 M.Tech. (Ongoing) and 3 M. Tech. (Research) candidates in applied mechanics Department.

Scholars pursuing Ph.D., currently and their details:

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Shailendra Kumar	PIS	Experimental Study on Square Footing Resting on Geotextile	Dr C H Solanki	Thesis Submitted
2.	Dalal Nehal G	PEC	Experimental And Numerical Analysis Of Settlement For Different Geosynthetics Used As Ground Improvement Techniques For Open Waste Dump Site	Dr C H Solanki & DrAtul K Desai	Thesis Submitted
3.	Shruti J Shukla	PIS	A Behavioural Study Of Piled Raft Foundation With Variable Subsoils For High Rise Buildings	DrAtul K Desai & Dr C H Solanki	Thesis Submitted
4.	Doshi Dipali Paresb	PEC	Innovative techniques of micropiles for retrofitting of bridge foundation parametric study	Dr. Atul K Desai & Dr C H Solanki	RPS
5.	Patil Jaymin Dattu	FIR	Experimental Study On Pile Raft Foundation In Sand	Dr. S. A. Vasanwala & Dr C H Solanki	RPS
6.	Himmat K. Sarvaiya	FIR	Numerical Analysis Of Stone Column On Soft Soil	Dr. C. H. Solanki	RPS
7.	Jignesh Balubhai Patel	PIS	Ground improvement By Pervious Concrete	Dr. C. H. Solanki	RPS

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			piles		
8.	Chandra Bogireddy	FIR	Prediction and Modifications of Engineering Properties of Soft Soils	Dr. C. H. Solanki & Dr S A Vasawala	RPS
9.	Deepshikha Sukla	PEC	Soil-Structure interaction	Dr. C. H. Solanki & Dr. M.K. Desai	Credits Seminars
10.	Vipul Kumar Mahendra Sinh	PEC	Pile - Raft Foundation	Dr. C. H. Solanki	Credits Seminars
11.	Tayade Suhas	PEC	-----	Dr S A Vasawala	8th Progress Seminar
12.	Contractor Aditya	PEC	-----	Dr S A Vasawala	8th Progress Seminar
13.	Munot Hema Kishor	PEC	-----	Dr. C. D. Modhera	6th Progress Seminar
14.	Pradip B. Kodag	PEC	-----	Dr. G. R. Vesmawala	6th Progress Seminar
15.	Patel Sameer Ganpatlal	FIR	-----	Dr. G. R. Vesmawala	6th Progress Seminar
16.	Sachin B. Mulay	PEC	-----	Dr. G. R. Vesmawala Dr. Y. D Patil	6th Progress Seminar
17.	V. R. Rathi	PEC	-----	Dr. C. D. Modhera	6th Progress Seminar
18.	Mahesh Vasantrao Patil	PEC	-----	Dr. Y. D Patil	5th Progress Seminar
19.	Vimalkumar N. Patel	PEC	-----	Dr. C. D. Modhera	5th Progress Seminar
20.	Kamal M. Padhiar	PEC	-----	Dr. C. D. Modhera Dr A K Desai	5th Progress Seminar
21.	Patel Paresh Ramjibhai	PEC	-----	Dr. G. R. Vesmawala	5th Progress Seminar
22.	Archana G. Tanawade	PEC	-----	Dr. C. D. Modhera	4th Progress Seminar
23.	Vyom B. Pathak	PEC	-----	Dr C D Modhera	4rd Progress Seminar
24.	Vaibhav R Pawar	FIR	-----	Dr Y D Patil Dr H S Patil	4rdProgress Seminar

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25.	Jaiprakash B Sharma	PEC	-----	Dr H S Patil	4rdProgress Seminar
26.	Kadbhane Digambar J.	PEC	-----	Dr C D Modhera	4rdProgress Seminar
27.	Patel Jignesh M.	PEC	-----	Dr H S Patil	4rd Progress Seminar
28.	Bhoi Akshaykumar M.	PEC	-----	Dr Y D Patil	4rd Progress Seminar
29.	Tejendra G Tank	PEC	-----	Dr C D Modhera	4rd Progress Seminar
30.	Mitali R Patel	PEC	-----	Dr S A Vasawala	4rd Progress Seminar
31.	Patel Nirav R.	PEC	-----	Dr S A Vasawala	3nd Progress Seminar
32.	Sankalp	FIR	-----	Dr. D. B. Raijiwala	3nd Progress Seminar
33.	Anita Nivrutti Borade	FIR	-----	Dr B Kondraivendhan	2st Progress Seminar
34.	Sungyani Tripathy	FIR	-----	Dr.Atul.K.Desai	2st Progress Seminar
35.	Shivamanth Siddappa	FIR	-----	Dr. M. K. Desai	1st Progress Seminar
36.	Pramod K Kolase	FIR	-----	Dr.Atul.K.Desai	1st Progress Seminar
37.	Uttamkumar R Rakshit	FIR	-----	Dr S A Vasawala	1st Progress Seminar
38.	Deepam M Patel	PEC	-----	Dr. M. K. Desai	1st Progress Seminar
39.	Damyanti G Badagha	FIR	-----	Dr. C D Modhera	2st Progress Seminar
40.	Vinodkumar C Panchal	PEC	-----	Dr. G. R. Vesmawala	2st Progress Seminar
41.	Shukla Deepshikha	PEC	-----	Dr. C H Solanki & Dr. M. K. Desai	1st Credit Seminar
42.	Rao Pooja S	PEC	-----	Dr.Atul.K.Desai & Dr. C H Solanki	3rd Credit Seminar
43.	Shah Sonal Dilip	FIR	-----	Dr.S.N.Desai	1st Progress Seminar
44.	Kapadiya Sandip kumar Vinod	PEC	-----	Dr. M. K. Desai	1st Progress Seminar

	Bhai				
45.	Agarkar Vrunda Hemant	PEC	-----	Dr.Atul.K.Desai	1st Progress Seminar
46.	Barot Urvesh N	PEC	-----	Dr.S.N.Desai	1st Progress Seminar
47.	Naik Swaral Ravin	FIR	-----	Dr.S.N.Desai	1st Progress Seminar
48.	Vaghela Ajaysingh R	PEC	-----	Dr. G. R. Vesmawala	1st Progress Seminar
49.	Jinyawala Mohamad H	PEC	-----	Dr. D. B. Raijiwala	1st Progress Seminar

Scholars pursuing M.Tech dissertation currently and their details:

APPLIED MECHANICS DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Shravan Sukumaran	Experimental and numerical studies on bearing capacity improvement of soft clay using soil-lime and soil-cement column	Ground improvement	Satyajit Patel
2.	Vijaya R.	Soil Structure Interaction studies on soft storey buildings	Soil Mechanics & Foundation Engineering	Dr C H Solanki
3.	Anand M Hulagbali	Contaminant transport modeling through saturated porous media using finite element and finite difference method	Soil Mechanics & Foundation Engineering	Dr C H Solanki
4.	Smit Desai	Static and Dynamic Analysis of Nuclear Reactor Containment Vessels Using Flac 3D	Soil Mechanics & Foundation Engineering	Dr C H Solanki
5.	Jitesh Chavda	Behaviour of Pile wall used as Retention System for Deep Excavations : Experimental and Numerical Study	Soil Mechanics & Foundation Engineering	Dr C H Solanki
6.	S. Kavya	Performance Evaluation of	Soil	Dr C H Solanki

		Burid Pipe Lines	Mechanics & Foundation Engineering	
7.	Ramon Varghese	Study of Laterally Loaded Single and Group Piles	Soil Mechanics & Foundation Engineering	Dr H S Patil & Mrs S J Shukla
8.	Shingade Prachiti D	Study Of Surface Settlements Induced Due to Shield TBM Tunnelling Using Midas GTS	Structural Engineering	Prof A J Shah
9.	Goswami Mahesh P	Stabilization of an Expansive Soil Using Lime and Stone Dust	Soil Mechanics & Foundation Engineering	Prof B J Mehta
10.	Vilbin Varghese	Experimental studies on factors affecting shear modulus and damping ratio of silty sand using cyclic triaxial test	Dynamic behavior of soil	Satyajit Patel
11.	S. Eswara Rao	Experimental studies on effect of fines content on liquefaction properties of sand	Liquefaction properties of sand	Satyajit Patel
12.	Rahul R Pai	Experimental and numerical studies on chemically stabilized Black Cotton soil as a subbase material in flexible pavements.	Ground improvement	Satyajit Patel
13.	Rajan R. B. Singh	Finite Element Analysis of Cold Form Steel Building System	Structural Engineering	Dr A K Desai
14.	Ganesh B. Baravkar	Load Path Analysis in Tall Asymmetric Buildings Considering Seismic Forces	Structural Engineering	Dr A K Desai
15.	Dobaria Umeshkumar Balubhai	Experimental and Numerical Vibration Analysis of Different Building Frame Models	Structural Engineering	Dr G R Vesmawala
16.	Ruten Anantkumar Patel	A Comparative Study On Direct Displacement-Based And IS: 1893 (Force- Based) Seismic Design Approaches	Structural Engineering	Dr S A Vasanwala
17.	Swapnil S.	Evaluation of Shear Wall	Structural	Dr S A

	Kurundwade	Index for RCC Buildings	Engineering	Vasanwala
18.	Sandeep T. More	Application of Waste Foundry Sand in Manufacturing of Concrete	Structural Engineering	Dr D B Raijiwala
19.	Shaik Yakub Valli	Alkali Activated Flyash and GGBS Based Geopolymer Concrete	Structural Engineering	Dr D B Raijiwala
20.	Sundareson A.	Behaviour of An End Flattened Space Frame Connector : A Parametric Study	Structural Engineering	Dr Y D Patil
21.	Ronak Motiani	Investigatory Study of Foundations for Different Types of Industrial Machines	Structural Engineering	Dr M K Desai
22.	Pravin Patil	Industrial Building Design on Seismic Issues	Structural Engineering	Prof A J Shah
23.	Arjunsinh Rameshbhai Parmar	Parametric Study of Structural Forms (Arches & Trusses) using Ms-Excel as Computing Tool	Structural Engineering	Dr H S Patil
24.	Tanmaya Rajiv Desai	Parametric Study of Structural Forms (Arches Beams & Grids) using Ms-Excel as Computing Tool	Structural Engineering	Dr H S Patil
25.	Chaithra C S	Wind Tunnel Pressure Measurement Studies on A 1:2:5 Tall Rectangular Building Model Under Two Terrain Conditions	Structural Engineering	Dr M K Desai
26.	Anand S. Jamnik	Some Studies on the influence of vertical load on lateral load carrying capacity of pile	Structural Engineering	Dr G R Vesmawala
27.	Priyank Shah	Experimental Studies on the use of Blast Furnace and Corex Slag in Concrete Replacing River Sand	Structural Engineering	Prof S N Desai
28.	Deepak Kamde	Service Life Prediction Model for Chloride Induced Reinforced Concrete Structure	Structural Engineering	Prof S N Desai

29.	Vishnu Vardhan	"Enhancement of Soil Strength by Controlled Application of Polypropylene Fibre Alone With Lime"	Structural Engineering	Dr. Y D Patil & Shri B J Mehata
30.	Ritesh S Ingale.	"Behaviour Of Steel Fibre Reinforced Concrete Slabs On Different Subgrade Soil "	Structural Engineering	Dr. Y D Patil & Shri B J Mehata
31.	Mr. Shibashish P. Mukherjee	Experimental Studies of Sustainable Cement Concrete Pavement	Structural Engineering	Dr G R Vesmawala
32.	Ms. Kalyani R. Choppalli	Parametric Study of Multi-Flue Tall RC Chimneys	Structural Engineering	Dr Y D Patil
33.	SOMESH S DHAT	Parametric Studies on Post Tensioned Flat Slab Using ADAPT-PT Software	Structural Engineering	Dr C D Modhera
34.	Niraj Rafik Chaus	A parametric Study of Slender Reinforced Concrete Column	Structural Engineering	Dr H S Patil
35.	Surao Mounika.	A Parametric Study of Steel-Column Anaylysis and Design	Structural Engineering	Dr H S Patil
36.	Christji Jose	Parametric Study of Piled Raft Foundation of Tall Buildings Considering Seismic Loads	Structural Engineering	Dr A K Desai
37.	Jyul Bardoliwala	Influence of Micro-Nano Fibres on Fresh and Hardened Properties of Self Compacting Concrete	Structural Engineering	Dr A K Desai
38.	Vijay Kumar Gandhi	A Study of Formwork System as Temporary Structures for Bridges	Structural Engineering	Prof A J Shah
39.	Patel Jayminkumar A.	Experimental Study on Use of Sugar Cane Bagasse ash as partial replacement of cement in concrete	Structural Engineering	Dr D B Raijiwala
40.	Bramhanand S Gawande	Behaviour of Axially Loaded Steel Concrete Composite Columns	Structural Engineering	Dr Y D Patil
41.	Mathew Thomas	Parameteric Study on Analysis of Steel Concrete Composite Bridges	Structural Engineering	Dr G R Vesmawala

Scholars pursuing M.Tech Research currently and their details:

APPLIED MECHANICS DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Shibashish Mukherjee	----	----	Dr. G. R. Vesmawala
2.	Milan Masani	----	----	Dr. Y. D. Patil
3.	Dipak Gaikwad	----	----	Dr. A. K. Desai

CHEMICAL ENGINEERING DEPARTMENT

(1) Currently, the PhD programmes offered in the department involve research work in the areas of Chemical Engineering like Membrane Separation, Chemical Reaction Engineering, Catalysis, Biomass to energy and value added chemicals, Emulsions, Liquid Membrane, Rheology, Nanotechnology, Modeling of particulate processes, Advanced Powder Technology, Biotechnology, Colloids and Interfacial Engineering, Mass Transfer, Computational Fluid Dynamics, Energy Technology, Multiphase Flow, Extraction, Adsorption, Waste Water Treatment, Environmental Pollution Control, etc.

The focus research areas in the department are as follows:

Membrane Separation, Chemical Reaction Engineering, Catalysis, Biomass to energy and value added chemicals, Emulsions, Liquid Membrane, Rheology, Nanotechnology, Modeling of particulate processes, Advanced Powder Technology, Biotechnology, Colloids and Interfacial Engineering, Mass Transfer and novel extraction methods, Computational Fluid Dynamics, Energy Technology, Multiphase Flow, Extraction, Adsorption, Waste Water Treatment, Environmental Pollution Control, etc.

(2) Currently there are 29 Ph.D., 26 M Tech. and 0 M. Tech. (Research) candidates in Chemical Engineering Department.

Scholars pursuing Ph.D., currently and their details:

CHEMICAL ENGINEERING DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Smitha Rajesh	PEC	Synthesis, characterization and application of <i>in situ</i> antioxidant incorporated polymeric membranes.	Dr. Z. V. P. Murthy	Research work
2.	Harshad R. Patil	PEC	Applications of ionic liquids.	Dr. Z. V. P. Murthy	Research work
3.	Saurabh C. Singh	PEC	Photocatalysis and self-cleaning membranes.	Dr. Z. V. P. Murthy	Research work
4.	Nalin H. Maniya	FIR	Nanostructured porous silicon materials for drug delivery applications	Dr. Z. V. P. Murthy Dr. S. R. Patel	Thesis Submitted
5.	Srujal P. Rana	PEC	Nanofiltration.	Dr. Z. V. P. Murthy Dr. A. A. Mungray	Research work
6.	Ashishkumar D. Modi	PEC	Pervaporation.	Dr. Z. V. P. Murthy Dr. C. M. Patel	Research work
7.	Vaishali Umrigarh	PEC	Synthesis of Organic Compounds by Microwave irradiation	Dr M.Chakraborty Dr P.A.Parikh	Research work
8.	Darshan Sarang	FIR	Catalysis of Mesoporous Zeolites	PA Parikh	Research work
9.	Munish Kamboj	FIR	Biomass Conversions	PA Parikh	Research work
10.	Jaydeep Barad	PEC	Synthesis of Nanomaterials by	Dr M.Chakraborty	Research work

			Microemulsion Technique		
11.	Miral R Thakkar	PEC	Studies on Novel Techniques for Extraction of Essential oil from Palmarosa	Dr. Meghal Desai Dr. Jigisha Parikh	Research work
12.	Sanjay Kumar Srivastava	FIR	Catalytic upgradation of bio-oil model components towards transportation fuels and chemicals	Dr. Girirajsinh C. Jadeja Dr. Jigisha K. Parikh	Research work
13.	Krishna P Solanki	FIR	Ionic Liquids as catalyst	Dr. Jigisha Parikh Dr. Meghal Desai	Research work
14.	Piyush I Modi	PEC	Studies on Novel Techniques for Extraction	Dr. Meghal Desai Dr. Jigisha Parikh	Research work
15.	Ms. Preeti Dauthal	FIR	Nanocatalyzed conversion of agricultural waste to valuable chemicals	Dr. Mausumi Mukhopadhyay	Examiners Comments Received
16.	Mr. Dharmesh H Sur	PEC	Study of Inverse Three-Phase Fluidized Bed Bioreactor in Batch Mode	Dr. Mausumi Mukhopadhyay	Research work Ongoing
17.	Mr. Gaurav Mishra	FIR	Study of Membrane biofouling and its control in filtration system	Dr. Mausumi Mukhopadhyay	Research work Ongoing
18.	Mr. Rajkumar	FIR	On the modeling of particulate processes	Dr. C. M. Patel (Dr. A. K. JANA	Research work
19.	Paritosh Agnihotri	FIR	Studies on microfluidic flow	Dr. V. N. Lad	Research work

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			for fuel cells and other selected applications		
20.	Tushar Yadav	FIR	Effects of nanoparticles on anaerobic microbial activity found in UASB sludge	Dr. A. K. Mungray Dr. A. A. Mungray	Research work
21.	Satish Rikame	PEC	Electricity generation using microbial fuel cell	Dr. A. A. Mungray Dr. A. K. Mungray	Research work
22.	Priyakant Pushkar	FIR	Performance evaluation of Microbial fuel cells	Dr. A. K. Mungray	Research work
23.	Om Prakash	PPF	Microbial fuel cell	Dr. A. K. Mungray	Course work
24.	Chetan Sharma	FIR	-	Dr. Sanjaykumar R. Patel	Research work
25.	Nitu Kumari	FIR	-	Dr. Sanjaykumar R. Patel	Course work
26.	Mr. Yogeshwar N. Thakare	PEC	Investigation of liquid- solid expanded beds for adsorptive separation and catalytic reactions	Dr. A. K. Jana	Research work
27.	Pankaj Pardeshi	FIR	Desalination and energy generation using osmotic microbial fuel cell	Dr. Alka Mungray	Research work
28.	Shilpa Kulbhushan Nandwani	FIR	Application of Ionic Liquids	Smita Gupta	Research Work

Scholars pursuing M.Tech dissertation currently and their details:

CHEMICAL ENGINEERING DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Jibin Babu	Nanomaterials to improve the performance of membranes.	Membrane Separation	Dr. Z. V. P. Murthy
2.	Yogesh Shinde	Hexane Isomerization	Catalysis	Dr. P. A. Parikh
3.	Rahul Vaidya	Extraction of Tar compounds using surfactants	Extraction using Surfactants	Dr. J. K. Parikh
4.	Arza Samuel	Alcoholysis of Furfuryl Alcohol	Biomass to energy and value added chemicals	Dr. J. K. Parikh
5.	Pathikrit Saha	Biosynthesis of nanoparticles on large scale	Nanotechnology	Dr. Mausumi Mukhopadhyay
6.	Gautam Kumar	Preparation of cathode nanocomposites by Nanomilling	Nanomaterials for Energy Storage	Dr. C.M. Patel
7.	Chetan Parmar	CFD for Microfluidic Flow	Microfluidics, Interfacial Engineering	Dr. V. N. Lad
8.	Rajnish Raj	Decentralization of wastewater	Environmental engineering	Dr. A. K. Mungray
9.	Parth Kayastha	Membrane assisted Crystallization	Crystallization	Dr. S. R. Patel
10.	Pooja		Computational Fluid Dynamics	Dr. A. K. Jana
11.	Snehal ghule	Ultrasound assisted hydro distillation	Novel Separation Techniques	Dr. M. A. Desai
12.	Avinash Jadhav	Perovskite Solar cells	Nanotechnology	Dr. J. N. Solanki
13.	Bhagwan Parihar	Removal and degradation of endocrine disrupting compounds from aqueous solution.	Liquid membranes	Smita Gupta
14.	Chandak Sagar Omprakash	Development of biolubricant from mahua oil	Biobased Products	Dr. Girirajsinh C. Jadeja

CIVIL ENGINEERING DEPARTMENT

(1) Civil Engineering Department is currently having and planning to take the research programmes in almost all the areas of Civil Engineering. Many faculty members are working as the Principal Investigator of funded research projects sponsored by various Government / Semi Government agencies like DST, ISRO, BRNS-BARC, CRRI, GUJCOST, CWC, IRC, Surat Municipal Corporation etc.

In addition to this, the Ph. D scholars carry out their research work after completing the mandatory course study requirements of the Institute Rules. Also, the M. Tech students spend their final year in carrying out the dissertation that focuses on research work in their areas of interest and are expected to publish their work before defending their research in the final dissertation viva-voce examination.

(2) Currently there are **72** Ph.D, **131** M. Tech. and **02** M. Tech. (Research) candidates in Civil Engineering Department.

Scholars pursuing Ph.D., currently and their details:

CIVIL ENGINEERING DEPARTMENT					
No.	Name of Students	Roll No/ CAT	Topic	Guide	Status
Water Resources Engineering					
1.	Bipin J. Batliwala	DS08CE10 4	Modernization of Canal System	Dr. P D Porey Dr. J N Patel	Writing Thesis
2.	Prabhat Chandra	DS08CE10 5	Sediment yield from catchment under changing climatic scenario	Dr. P L Patel Dr. P D Porey	Research work
3.	J Sinha	D09CE111	Development of two layered two dimensional model for compound open channel	Dr. P L Patel Dr. B K Samtani Dr. S K Das, CWPRS Pune	Research Work
4.	Ms. Bhoomi Andharia		Numerical modelling of aggradation /	Dr. V L Manekar Dr. P L Patel	Research Work

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			degradation in mobile boundary channels	Dr. P D Porey	
5.	Viraj Loliyana	D11CE004	Development of distributed rainfall-runoff model	Dr. P L Patel	Research Work
6.	Ms. Nishi Bhuvandas	DS11CE008	Identification of precipitation trend and multi-site down scaling in Tapi Basin	Dr. P L Patel Dr. P V Timbadiya Dr. P D Porey	Research Work
7.	Priyank Sharma	FIR	Real time reservoir operation for multipurpose reservoir system	Dr. P L Patel Dr. V Jothiprakash, IIT Bombay	Course Work
8.	Ms. Radhika Yagnik		Impact of climate change on water resources of Tapi Basin	Dr. P L Patel	Research Work
9.	Ms. Soumita Bid	PEC	Numerical modelling of Environmental Hydraulics	Dr. P L Patel Dr. R A Christian	Research Work
10.	Ms. Namrata Jajoo		Real time rainfall runoff modelling	Dr. P V Timbadiya Dr. P L Patel	Research Work
11.	Hasmukh N. Patel	D08CE107	Application of Hydroinformatics in Integrated Water Management for Kalpasar Project.	Dr. V. L. Manekar Dr. P. D. Porey	Research Work
12.	Ms. Bhoomi R. Andharia	DO9CE114	Study of resistance to flow, Aggradation, Degradation, Mobility Index	Dr. V. L. Manekar Dr. P. D. Porey Dr. P. L. Patel	Research Work

			And other Non-dimensional parameters of Tapi river		
13.	Ramkrushna Kajale	DS11CE002	To be decided	Dr. V. L. Manekar	Research Work
14.	Harshul K. Parekh	DS09CE104	Criteria for performance based ranking of Civil Engineering Projects	Dr. S. M. Yadav, Dr. K. D. Yadav	Writing Thesis
15.	Devanshu K. Pandit	DS09CE105	To evolve an index to measure project development efficiency	Dr. S. M. Yadav	Thesis submitted
16.	Ms.P.M.Baria	PEC	Extreme rainfall non stationary investigations for Tapi basin	Dr S M Yadav	RPS-1
17.	Ms.Priti V.Ramkar	FIR	Hydrological Modelling	Dr S M Yadav	Credit Seminar
18.	B. R Joshi	PEC	Estimation of sediment yield for Middle Tapi Basin	Dr S M Yadav	Credit Seminar
19.	Ms. Sahita I Waikhom	PEC	Sediment Transport of Alluvial Rivers	Dr S M Yadav	RPS-2
20.	Bhargav P. Majmundar	PEC	Estimation of evaporation losses from Dharoi reservoir	Dr. J.N. Patel	Research work
21.	Akshay R. Thorvat	PEC	Development of synthetic unit hydrograph for upper Kumbhi basin, Maharashtra, India	Dr. J.N. Patel	Research work
22.	Manisha D. Desai	PEC	Design of storm water drainage system in	Dr. J.N. Patel	Research work

			conjunction with ground water recharge for Bhimrad area of Surat city (India)		
23.	Pranita N. Balve	PEC	Optimization of Multiobjective Reservoir Operating Policy	Dr. J.N. Patel	Research work
24.	Rutuja Y. Patil	PEC	Reservoir Inflow Prediction Using WNN	Dr. J.N. Patel Dr. S.M. Yadav Dr. D.G. Regulwar	Research work
25.	Smita R. Varade	FIR	To be decided	Dr. J.N. Patel	Course work
26.	Pawan N. Bhavsar	FIR	To be decided	Dr. J.N. Patel	Course work
27.	Shilpesh C. Rana	PEC	To be decided	Dr. J.N. Patel	Course work
28.	Joshi Bankimchandra Rajnikumar	PEC	To be decided	Dr B K Samtani Dr S M Yadav	Course work
29.	Deshmukh Sanjay Rangrao	PEC	To be decided	Dr. V L Manekar	Course work
30.	Pawar Sangita Vilas	PEC	To be decided	Dr. P L Patel	Course work
31.	S. R Resmi Saseendran.P	PPF	To be decided	Dr. P L Patel Dr. P V Timbadiya	Course work
32.	Pasupuleti Laxminarayan Babji	FIR	To be decided	Dr. P L Patel Dr. P V Timbadiya	Course work
33.	Rathod Praveen Shankar	FIR	To be decided	Dr. V L Manekar	Course work
34.	Desai Rupal Arunbhai	FIR	To be decided	Dr. P G Agnihotri	Course work
	Urban Planning				
35.	Ravin M Tailor	D09CE108	Cost Optimized Design of flexible Pavement using Geo-textile for sustainable	Dr. N C Shah	Writing Thesis

			development.		
36.	Atul Kolhe	D09CE109	Urban Land Management for sustainable cities	Dr J.E.M. Macwan Dr. K. A. Chauhan	Research Work
37.	Jignesh Patel	DS11CE004	Urban Land Management for sustainable cities	Dr J.E.M. Macwan	Research Work
38.	Aarti Petkar	DS11CE005	Affordable housing modelling	Dr J.E.M. Macwan	Research Work
39.	Digant Pastagia	DS11CE006	Fuzzy model for sustainable residential buildings	Dr J.E.M. Macwan	Research Work
40.	Gujar Rajesh	DS09CE106	Application of alternative filler in micro surfacing for flexible pavement	Dr. Krupesh A. Chauhan	Research Work
41.	Rajesh Pandya	DS07CE112	Developing sustainable public transportation system in relation to urban form and transit accessibility: A metropolitan case study	Dr. B. K. Katti	Thesis submitted
42.	Leena Garg	D07CE103	Residential settlement behaviour and sustainable housing strategies: A case study of newly expanded city area	Dr. B. K. Katti	Thesis submitted
43.	Tripathy Partha	FIR	To be decided	Dr K A Chauhan Dr (Mrs) A K	Course work

				Khambete	
	Environmental Engineering				
44.	Mrs. Shefali Manish Shah	D10CE102	Assessment of ground water quality of Vadodara	Dr. N J Mistry	Research work
45.	Mrs. Mehali J. Mehta	D09CE102	Development and characterization of polymer blend NANO composite membranes for wastewater treatment	Dr. R. A. Christian, Dr. M. Mukhopadhyay, Dr. N. J. Mistry	Research work
46.	Mrs. Tandra Banerjee	DS10CE105	Air pollution modelling	Dr. R. A. Christian	Research work
47.	Abhilash T Nair	DS11CE005	Low cost water treatment techniques	Dr M Mansoor Ahammed	Thesis submitted
48.	Dilip M Ghaitidak	DS11CE007	Grey water treatment	Dr K D Yadav	Thesis submitted
49.	Makwana Abhipsa Rajiv	DS11CE006	To be decided	Dr M Mansoor Ahammed	Research work
50.	Dayanand Sharma	FIR	Co-composting of flower waste	Dr K D Yadav	Research work
51.	Neelam Sharma	FIR	Pilot scale study on greywater treatment	Dr K D Yadav Dr (Mrs.) N D Jariwala	Research work
52.	Chitnis Karishma Ashishbhai	PEC	To be decided	Dr (Mrs) A K Khambete	Course work
53.	Mendhe Apeksha Adesh	FIR	To be decided	Dr N J Mistry Dr R A Christian	Course work
54.	Randhavane Shrikant Bhausheb	FIR	To be decided	Dr (Mrs) A K Khambete	Course work
55.	Sonaviya Dipeshkumar Ratilal	FIR	To be decided	Dr B N Tandel	Course work
56.	Yadav Manoj Mansing	FIR	To be decided	Dr B N Tandel	Course work

57.	Kapadia Drashti Viral	PEC	To be decided	Dr. (Mrs.) N D Jariwala N J Mistry	Course work
58.	Verma Preeti S.	PEC	To be decided	Dr. R. A. Christian	Course work
Transportation Engineering & Planning					
59.	Patel Chetankumar Ramanlal	DS09CE10 4	Mix Traffic Flow Behaviour Study for Metropolitan Arterials	Dr. Gaurang Joshi	Thesis submitted
60.	Debashish Basak	DS08CE10 2	Urban quality of life modeling in Indian context	Dr. Gaurang Joshi	Thesis submitted
61.	Ms. Nipa Desai	D10 CE 101	Mode shift behaviour study with respect to public transportation	Dr. Gaurang Joshi	Research work
62.	Shah Jiten Harishbhai	DS11CE00 1	Pedestrian traffic flow behaviour in fuzzy environment for facility design	Dr. Gaurang Joshi	Thesis submitted
63.	J.P. Mandawara	D10CE104	Flexible pavement in cold climate	Dr. Rakesh Kumar Dr. N.C. Shah	Research work
64.	Anurag Tiwari	D10CE103	Decision support system for national highway construction management	Dr. Rakesh Kumar Dr. N.C. Shah	Research work
65.	Sabyasachi Roy	D10CE102	Spatio-temporal accident prediction model for Indian national highways	Dr. Rakesh Kumar Dr. N.C. Shah	Research work
66.	Ms. Trivedi Jyoti Snehal	D11CE001	Online quality control of flyash for road construction and	Dr. Rakesh Kumar	Research work

			building industries		
67.	Chaudhari Avinash Ramrao	PEC	To be decided	Dr S S Arkatkar Dr G J Joshi	Course work
68.	Patkar Manish Halkeprasad	PEC	To be decided	Dr Ashish Dhamaniya	Course work
69.	Patel Pinakin Narayanbhai	PEC	To be decided	Dr Ashish Dhamaniya	Course work
70.	Khan Asir Vali Mohd.	PEC	To be decided	Dr Ashish Dhamaniya Dr S S Arkatkar	Course work
71.	Navandar Yogeshwar Vijay kumar	FIR	To be decided	Dr Ashish Dhamaniya	Course work
72.	Chepuri Akhilesh Laxmanrao	FIR	To be decided	Dr S S Arkatkar Dr G J Joshi	Course work

Scholars pursuing M.Tech dissertation currently and their details:

CIVIL ENGINEERING DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Ms. Sarika Patil	Rainfall runoff modelling using ANN	Water Resources Engineering	Dr. J.N. Patel
2.	Chethan S. V.	Development of flood inundation map in the flood plain of lower Tapi river for different river periods	Hydrodynamic s	Dr. P L Patel
3.	Lalit Pal	Estimation of runoff of upper Tapi basin using SWAT model	Hydrology	Dr. P L Patel
4.	Akshay Rajak	Morphological study of middle Tapi basin	Morphology	Dr. P L Patel
5.	Surbhi Saxena	River basin modelling	Water Resources Systems	Dr S. M. Yadav
6.	Anudeep Goade	Bridge Hydraulics: Case study	Hydraulics	Dr S. M. Yadav

7.	Shefalikumari Patel	Treatment of textile industry waste water	Industrial waste water treatment	Dr R. A. Christian
8.	Dineshkumar	To be decided	-----	Dr R. A. Christian
9.	M. Vighneshwaran	To be decided	-----	Dr R. A. Christian
10.	Vinitha E V	Prediction of optimum coagulant dosage using ANN	Waste water treatment	Dr. M Mansoor Ahammed
11.	Sooraj Garg	Mobility of heavy metals in sewage sludge	Waste water treatment	Dr. M Mansoor Ahammed
12.	Supriya Savalkar	Use of AHP in computing the best hazardous waste treatment method	Hazardous waste treatment	Dr. M Mansoor Ahammed
13.	Rajashree P. Nair	Zero valent iron mediated FENTON process	Waste water treatment	Dr. M Mansoor Ahammed
14.	Abhijeet Bhosale	Air travel demand estimation for a fast growing metro city	Transport planning	Dr. Gaurang Joshi
15.	Prashant	Qualitative assessment of pedestrian facilities	Transport planning	Dr. Gaurang Joshi
16.	Nikhil Tolwani	Smart city proposal for Raipur and NRDA	Smart city	Dr. K. A. Chauhan
17.	Midhun Raj SN	Affordable housing proposal for Kochi	Housing for urban poor	Dr. K. A. Chauhan
18.	Rajeev Kumar	City indicators of Indian – Kochi	Urban mobility	Dr. K. A. Chauhan
19.	Bhargav Chindada	Planning perspective of new cities in India – Vijaywada, a case study	City planning	Dr. K. A. Chauhan
20.	Rokom Perme	To be decided	Smart city	Dr. K. A. Chauhan
21.	Dhruvita Mahida	Planning proposals for Navsari town	Smart city	Dr. K. A. Chauhan
22.	Anil Yadav	Trend analysis at regional scale	Climate change	Dr V. L. Manekar
23.	Sidhdhi	SWAT analysis for sediment yield	Sediment transport	Dr V. L. Manekar
24.	Sudhanshu Kamat	To be decided	Solid waste management	Dr (Mrs) A K Khambete
25.	Satpal	To be decided	Treatment of industrial waste	Dr (Mrs) A K Khambete

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26.	Anvita Tripathi	To be decided	Environmental quality	Dr (Mrs) A K Khambete
27.	Devesh Singh Chauhan	To be decided	Water Resources Engineering	Bipin J. Batliwala
28.	Amit Kumar	To be decided	Water Resources Engineering	Bipin J. Batliwala
29.	Sunil Tukar	Application of GIS in water resources engineering	Water Resources Engineering	Dr. P G Agnihotri
30.	Alekh T.	Storm water design	Water Resources Engineering	Dr. P G Agnihotri
31.	Ajith R.	Electro-coagulation and Fenton process	Industrial waste water treatment	Dr. (Mrs.) N D Jariwala
32.	Karan Patil	To be decided	Waste water treatment	Dr. (Mrs.) N D Jariwala
33.	V Sindhuri	Comparative study on conventional and low cost adsorbents	Waste water treatment	Dr. B N Tandel
34.	Shivaraja Kumar	A comparative study on decolourization of textile effluents using various waste effluents	Waste water treatment	Dr. B N Tandel
35.	Aishwariya T	Distillation study on desalination of brackish water	Waste water treatment	Dr. B N Tandel
36.	Anudeep Nema	To be decided	Greywater	Dr K D Yadav
37.	Vimal Raj	To be decided	Composting	Dr K D Yadav
38.	Bhavesh Mehta	To be decided	Economic survey	Dr K D Yadav
39.	Abhinab Chakarborty	Effect of countdown time on saturation flow at signalized intersections	Traffic Engineering	Dr Ashish Dhamaniya
40.	Vinay Gautam	Effect of traffic mix on capacity of urban arterials through simulation	Traffic Engineering	Dr Ashish Dhamaniya
41.	Rajeev Ranjan Mishra	Effect of parking on capacity of urban arterials	Traffic Engineering	Dr Ashish Dhamaniya
42.	Amit Nayak	Fire and safety policy	Urban safety	Dilip A. Patel

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		development in Surat city		
43.	Gunjan Gupta	Identification of locations of public toilets in urban area	Urban planning	Dilip A. Patel
44.	Shantuna Dixit	Transportation planning in Dholka city	Urban Transportation Planning	Dilip A. Patel
45.	Libu K Thomas	Rainfall runoff modelling of lower Tapi river	Water Resources Engineering	Dr P V Timbadiya
46.	Kavya Rajendran	Morphological study of lower Tapi basin	Water Resources Engineering	Dr P V Timbadiya
47.	Akash Bhardwaj	To be decided		Ravin M. Tailor
48.	Vishal Jain	To be decided		Ravin M. Tailor
49.	Kalpna Deoriya	To be decided		Ravin M. Tailor
50.	Riddhi Dalal	To be decided		Ravin M. Tailor
51.	L. Raghu Sravan	Travel characteristics behaviour in Vishakhapatnam	Urban Transportation Planning	Chetan R. Patel
52.	Alamas S.	Urban sprawl pattern analysis in Indore city	GIS	Chetan R. Patel
53.	Upasna Panchal	GIS application in smart city	GIS	Chetan R. Patel
54.	S. Narayan Rajiv	Verification of car following models under traffic conditions	Traffic Engineering	Dr. S. S. Arkatkar
55.	R. Jairam	Bus travel time prediction	Traffic Engineering	Dr. S. S. Arkatkar
56.	Vinayaraj V. S.	Pedestrian crosswalk at midblock section	Traffic Engineering	Dr. S. S. Arkatkar

COMPUTER ENGINEERING DEPARTMENT

Currently there are 23 Ph.D., 21 MTech. and 01 M. Tech. (Research) candidates in Computer Engineering Department.

Scholars pursuing Ph.D., currently and their details:

COMPUTER ENGINEERING DEPARTMENT			
No.	Name of Students	Topic	Guide
1.	Bhavesb Borisaniya	Security In Cloud Environments	Dhiren R Patel
2.	Reema Patel	Formal Software Verification	Dhiren R Patel
3.	Dipen Contractor	Security In Cloud Environments	Dhiren R Patel
4.	Gohil Bhavesb N.	Load Balancing In Cloud Computing	Dhiren R. Patel
5.	Choksi Ami T.	Distributed Systems	Devesh C. Jinwala
6.	Shivangi Surti	Multidimensional Query Search In Peer To Peer Systems	Devesh C. Jinwala
7.	Bhaladhare Pawan R.	Network & Information Security	Devesh C. Jinwala
8.	Patel Hasmukhbhai B.	Security Protocols Verification	Devesh C. Jinwala
9.	Surati Nilam A.	Secure Code Attestation In Wireless Sensor Networks	Devesh C. Jinwala
10.	Parmar Keyur J	Secure Data Aggregation In Wireless Sensor Networks	Devesh C. Jinwala
11.	Himanshu Patel	Security In Internet Of Things	Devesh C. Jinwala
12.	Shivanshu Mehta	Security In Internet Of Things	Devesh C Jinwala, Dhiren R Patel
13.	Amol Kulkarni	Software Engineering	Devesh C Jinwala, Dhiren R Patel
14.	Dhruti Sharma	Information Security And Cryptography	Devesh C Jinwala
15.	Unnati Shah	Software Engineering	Sankita J Patel Devesh C Jinwala
16.	Pandya Devang	Video Retrieval & Analysis	Mukesh A. Zaveri
17.	Pawar Vaishali	Pattern Recognition	Mukesh A. Zaveri
18.	Borisagar Viral H.	Computer Vision And Image Processing	Mukesh A. Zaveri
19.	Gohil Rakesh P.	Software Engineering	S.Bhattacharya P.D.Porey
20.	Mire Archana V.	Image Processing	S. B. Dhok N.J.Mistry, P.D.Porey

21.	Shah Kaushal Arvindbhai	Wireless Sensor Network	Devesh C Jinwala
22.	Mehta Brijesh Balvantray	Big Data Privacy	Udai Pratap Rao
23.	Ruchika Gupta	Privacy In Lbs	Udai Pratap Rao

Scholars pursuing M.Tech dissertation currently and their details:

COMPUTER ENGINEERING DEPARTMENT			
No.	Name of Students	Titel	Guide
1.	Patel Vaishali Arvindbhai	Optimized Display Output In Android Stack.	Dhiren R Patel
2.	Chetna Rameshrao Tumme	Demystifying Gpu Performance Parameters Using Microbenchmarking	Mukesh A. Zaveri
3.	Patel Saurabh Dineshkumar	Efficient Background Subtraction Techniques For Moving Object Detection Uisng Graphics Processing Unit	Mukesh A. Zaveri
4.	Manish Kumar	Investigating Privacy Preserving Mechanism For Location Based Services	Udai Pratap Rao
5.	Chandan Trivedi	Iterative Deconvolution Approach For High Resolution Satellite Imagery	Devesh C Jinwala
6.	Ashutosh Haripant Kulkarni	Memory Power Management For Intel Xeon-D Servers	Sankita J Patel
7.	Manju	Performance Analysis And Optimization Of Applications.	Dhiren R Patel
8.	Jaijin P. Austin	Privacy Preserving Search Using Fully Homomorphic Encryption	Devesh C Jinwala
9.	Jay Prakash Doley	Performance Analysis Of Vanet Protocols For Co-Operative Data Dissemination In Real Roadside Enviroment.	Mukesh A. Zaveri
10.	Raje Avdhoot Chandrakant	Development Of Pfw Web Application And Its Testing Using Mbt	Devesh C Jinwala
11.	Methuku Sunil Kumar	Detection And Prevention Of Anomalous Queries In Database.	Udai Pratap Rao
12.	Palash Baser	Improving The Efficiency Of Aviad And Kipnis Fully Homomorphic	Devesh C Jinwala

		Encryption Scheme Using Strassen's Algorithm	
13.	Pratik Jaywant Patil	Oprand : A Memop Randomization Scheme For Processor Validation Using Random Instruction Tool	Devesh C Jinwala
14.	Navik Ankitkumar Pravinbhai	Power And Performance Analysis Of Graphics Sub-System Of Medern Gpus.	Mukesh A. Zaveri
15.	Patel Kushal Dalpatbhai	Investigating Approaches For Privacy Preserving Traffic Surveillance	Sankita J Patel
16.	Rupesh Kumar	Database Intrusion Detection System Using Weighted Data Dependency With Sequence Analysis	Udai Pratap Rao
17.	Patel Khyati Hasmukhbhai	Information Hiding Method Based On Image Morphing	Rakesh P. Gohil
18.	Patel Sudha Chhotulal (Sponsored)	Authentication And Access Control Challenges In Internet Of Things.	Dhiren R Patel

ELECTRICAL ENGINEERING DEPARTMENT

(1) The focus research areas in the department are as follows :

- Power Electronics
- Renewable Energy
- Power Systems
- Control Systems
- Electrical Machines
- Power Quality

(2) Currently there are 28 Ph.D., 38 M. Tech. and 00 M. Tech. (Research) candidates in Electrical Engineering Department.

Scholars pursuing Ph.D., currently and their details:

ELECTRICAL ENGINEERING DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Mr. Sonje Deepak Murulidhar	PEC	Condition Monitoring of Induction Motor	Dr. P. Kundu, Dr A. Chowdhury	7 th Sem, RPS – V
2.	Mr. Dhruvesh M. Mehta	PEC	Natural Ester vis-à-vis Mineral Oil for Use in Transformers: On Partial Discharge Perspective	Dr. P. Kundu, Dr A. Chowdhury	5 th Sem, RPS-III
3.	Mr. Mukul Dixit	FIR	Reactive Power Compensation in Distribution System	Dr. P. Kundu, Dr. H. R. Jariwala	5 th Sem, RPS-III
4.	Mr. Agrawal Sunilkumar	PEC	Power Flow Control in VSC based HVDC System	Dr. P. Kundu	2 nd Sem, Credit Sem – III
5.	Nilesh Shah	PEC	Studies on grid connected photovoltaic system working under uniform and non-uniform isolation condition	Dr. R. Chudamani	Pre-synopsis Over
6.	Hemang Pandya	PEC	Micro Grid	Dr A. Chowdhury	RPS-8
7.	Sandhya Rathore	PEC	Stochastic Electrical converters	Dr. S. N. Sharma	RPS-7
8.	Ravish Hirpara	PEC	Stochastic differential equation, dynamical systems	Dr. S. N. Sharma	Pre-synopsis
9.	Manisha Goverdhan	FSC	Unit commitment	Head, I/c Supervisor	Pre-synopsis
10.	Chetankumar	PEC	Direct torque of	Dr. R.	RPS-6

	Lad		BLDC drive	Chudamani	
11.	Chandrakant Rathore	FIR	Transmission network expansion planning	Head, I/c Supervisor	Pre-synopsis
12.	Ashok Kherodia	PEC	Si thin film solar cells	Dr. A. K. Panchal	RPS-5
13.	Hitesh Mehta	PEC	A novel MPPT algorithm for solar photovoltaic	Dr. A. K. Panchal	RPS-4
14.	Patel Nikunj	PEC	Design & control of SRM for electric vehicles	Dr. Varsha Shah Dr. M. M. Lokhande	RPS-2
15.	Panya Sundaram	PEC	Design of power system stabilizer	Dr. H. R. Jariwala	RPS-2
16.	Chavda Jiten	PEC	Power source design for electric vehicle	Dr. Varsha Shah	RPS-2
17.	Chandni Gor	PIS	Drives for electric vehicle	Dr. Varsha Shah Dr. M. M. Lokhande	RPS-1
18.	Patel Sanjaykumar	FIR	Power quality initiation for distribution system	Dr. S. A. Arya Dr. R. Maurya	RPS-2
19.	Sheikh mahammed suhel	PEC	Multi-phase induction motor and its control	Dr. R. Maurya	RPS-1
20.	Gujarathi Pritam	PEC	Design control of hybrid electric vehicle	Dr. Varsha Shah Dr. M. M. Lokhande	RPS-1
21.	Mokariya Kashyap	PEC	Interfacing of electrical vehicle with distribution grid	Dr. Varsha Shah	RPS-1
22.	Lakum Ashokkumar	FRS	Optimal placement of filter in distribution system	Dr. Vasundhara Mahajan	RPS-1
23.	Bhukya Jawarlal	FIR	Application of	Dr. Vasundhara	RPS-1

			fuzzy logic control on DIG wind power system	Mahajan	
24.	Berigai anantha	FIR	Improved power quality converter	Dr. S. A. Arya Dr. R. Maurya	RPS-2
25.	Patel Dharmesh	FSC	Digital Protection of power transformer	Dr. K. D. Mistry Dr. Nilesh Chotani	CS-2 & 3
26.	Mandar kadu chaudhari	PEC	Control & design of switch reluctance motor	Dr. A. Chowdhury	CS-3
27.	Shimin V V	FIR	Hybrid power source design for EV's using multilevel DC/DC converter topologies	Dr. Varsha Shah Dr. M. M. Lokhande	CS-2 & 3
28.	Patel Yogesh	PEC	Sliding mode control application to Bio Medical	Dr. Hiren G. Patel	CS-2 & 3

ELECTRICAL ENGINEERING DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Jaideep Singh	Solar PV module maximum power point tracking using boost converter	Renewable Energy	Dr. R. Chudamani
2.	Shailesh Raturi	Vector Control of Three phase induction motor	Electrical Drives	Prof. Janak J. Patel
3.	Shilpi Kedia	Design and implementation of single and three phase power factor correction converters	Power Electronics	Prof. Janak J. Patel
4.	Tarra Santosh Kumar	Dynamical modeling of CUK converter	Power Electronics	Dr. S. N. Sharma
5.	Mr. Bikash Barman	Broken rotor bar fault detection of Induction motor using Motor Current Signature Analysis	Condition Monitoring	Dr. P. Kundu
6.	Mr. M Narasimha Naik	Mitigation of Voltage disturbances using Dynamic Voltage Restorer	Power Quality	Dr. P. Kundu
7.	P. Ramesh	An energy stored quasi-z-	Power	Dr. A. Chowdhury

		source inverter for application to photovoltaic power system	Electronics	
8.	K N Anish	Solar System with power quality features and its application in water pumping	Power Quality	Dr. S. R. Arya
9.	Ankur Srivastava	Leakage current measurement and determination of EMI of PWM FED three phase induction motor	Measurement & Instrumentation	Prof. M. N. Bhusavalwala
10.	Udaykumar T K	The control approaches of DSTATCOM for reactive power compensation in three phase system	Power quality	Prof. M. N. Bhusavalwala
11.	Vishal E. Puranik	Design and implementation of shunt and series connected custom power devices	Power Electronics	Dr. S. R. Arya
12.	Girdhari Agrawal	Design and control of hybrid power source for electric vehicles	electric vehicles	Dr. Varsha A. Shah
13.	Siddhant Singh Maurya	Minimization of torque ripple in switched reluctance drive for electric vehicle application	Electrical drives	Dr. Varsha A. Shah
14.	Harisankar K.	Performance investigation of power factor corrected VSI fed induction drive	Electrical drives	Dr. Rakesh Maurya
15.	Arjun P Raj	DC-DC convertors for photovoltaic applications	Power Electronics	Dr. Rakesh Maurya
16.	Lintu Eliya Mathew	Dead-Time effect of the high frequency isolated bidirectional full-bridge DC-DC convertor	Power Electronics	Dr. M. A. Mulla
17.	Disha Arora	Current control techniques for shunt active power filter	Power Electronics	Dr. M. A. Mulla
18.	Dipika Damania	Minimization of torque ripple in switched reluctance motor	Electrical drives	Dr. M. A. Mulla
19.	Nishant Gandhi	Power flow control in transmission line	Power system	Dr. H. R. Jariwala
20.	Patel Viralbhai B.	A study on grid integrated solar photovoltaic system with static compensator	Power system	Dr. A. K. Panchal
21.	Rangpara Bhavik	A study on grid connected	Power system	Dr. A. K. Panchal

	J.	small wind energy system using permanent magnet synchronous generator		
22.	Ashutosh Singh	Optimal allocation of distributed generation and DSTATCOM in radial distribution systems for loss minimization using particle swarm optimization algorithm	Power system	Dr. H. R. Jariwala
23.	P. Jothna Praveena	Performance comparison of DSTATCOM based on different configuration of inverter and control schemes	Power system	Dr. H. R. Jariwala
24.	Gokul Venugopal Iyer	Modular multilevel converter: Analysis and Applications	Power Electronics	Prof. Pranav Darji
25.	Contractor Pranav K.	Analysis of series compensated transmission line	Power system	Prof. Pranav Darji
26.	Raj Ravirajsinh P.	Optimal reactive power dispatch using GABC optimization technique	Power system	Dr. A. Chowdhury
27.	Naresh kumar Jaishwal	Modeling of a three phase induction machine and control of doubly fed induction generator for wind energy conversion system	Renewable energy	Dr. S. N. Sharma
28.	Pise Sumit Govind	Mitigation of small signal stability problem employing PSS	Power system	Dr. Hiren G. Patel
29.	Brij Bhushan Prajapati	Power quality improvement of wind turbine using UPOC	Power quality	Dr. Hiren G. Patel
30.	Chirag A.Patel	Loss allocation and optimal distributed generation placement for balanced and unbalanced radial distribution network	Power system	Dr. Kyathi D. Mistry
31.	Ketansinh B. Valvi	Optimization of unit commitment considering thermal and pumped storage plants	Power system	Dr. Kyathi D. Mistry
32.	Vijay Kumar Sonakar	Battery Charger for Electric Vehicle and its interfacing with Utility Grid	Power system	Prof. Chandni Gor
33.	Swadheen Sharma	Voltage profile improvement of radial distribution system using D-STATCOM	Power quality	Prof. Chandni Gor
34.	Sanjay Bhanderi	A voltage controlled PFC CUK	Power	Dr. A. Chowdhury

		converter based PMBLDCM Drive	Electronics & Drives	
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ELECTRONICS ENGINEERING DEPARTMENT

(1) The focus research areas in the department are as follows :

1. Wireless Communication ad System.
2. Image and Video Processing.
3. Optical Fiber Communication & Network.
4. VLSI & Embedded System.
5. Antenna & Microwave.
6. Scheduling, Security & Network Management Protocol.
8. Sensor Design.
9. Nano Electronics.

(2) Currently there are 42 Ph.D. 80 MTech. And 01 M. Tech. (Research) candidates in Electronics Engineering Department.

Scholars pursuing Ph.D., currently and their details:

ELECTRONICS ENGINEERING DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Kirti Inamdar	FIR	Study & Design of standard geometric structures with overlapped and angular displacements to realize metamaterial with properties suitable to evolve radiating	Dr. S. Patnaik Dr. Y. P. Kosta	Thesis Submitted

			structures in microstrip configuration		
2.	Jigisha Patel	PIS	Multi Attributed dictionaries & Error protection for image & video transmission.	Dr. S. Patnaik	Thesis Submitted
3.	Shilpi Gupta	PIS	Advanced OFDM Techniques for Quality Reception	Dr. (Mrs.) U. D. Dalal	Thesis Submitted
4.	Abhilash Mandloi	PIS	Channel Scheduling algorithms for increasing channel utilization in optical burst switching	Dr. V. Mishra	Thesis Submitted
5.	Shweta Shah	PIS	A novel modified hierarchical modulation for video streaming in DVB-H under channel impairments.	Dr. (Mrs.) U. D. Dalal	Thesis Submitted
6.	Amit Joshi	PIS	VLSI implementation of Video Watermarking based on H.264 coding standard	Dr. V. Mishra Dr. R. M. Patrikar	Thesis Submitted
7.	Rasika Dhavse	PIS	Performance evaluation of flash Gate stacks employing ultra-thin Tunnel Oxide and Quantum Dots.	Dr. V. Mishra Dr. R. M. Patrikar	Research Work
8.	Shubhangi Mahamuni	PEC	Spectrum Management for Cognitive Radio	Dr. V. Mishra	Synopsis submitted
9.	Sunil Morade	PEC	Lip Reading	Dr. S. Patnaik	Synopsis submitted
10.	Jay Joshi	PEC	Speech Image and Video Encryption Algorithms using H.264	Dr. (Mrs.) U. D. Dalal	Thesis submitted
11.	Ashwini Deshpande	PEC	Single Image Deblurring Novel	Dr. S. Patnaik	Thesis submitted

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			PSF estimation and restoration techniques.		
12.	Mehul Patel	PIS	LTE Mac Layer Design and Implementation	Dr. (Mrs.) U. D. Dalal	Research Work
13.	Zuber Patel	PIS	Wi-Max Scheduler Algorithm and Optimization	Dr. (Mrs.) U. D. Dalal	Research Work
14.	Twinkle Doshi	PEC	Rake Receiver for SDR	Dr. (Mrs.) U. D. Dalal	Research Work
15.	Khyati Zalawadia	PEC	Adaptive Beam Forming for Smart Antenna and MIMO	Dr. (Mrs.) U. D. Dalal	Research Work
16.	Krupa Jariwala	PIS	Biometric ID with IRIS Watermarking	Dr. (Mrs.) U. D. Dalal	Research Work
17.	Nirmal Jagannath	PEC	Speech Emotion Imitation	Dr. S. Patnaik Dr. M. A. Zaveri	Thesis submitted
18.	Mary Grace	PEC	Uplink Resource Allocation of Long Term Evolution	Dr. (Mrs.) U. D. Dalal	Research Work
19.	Bhale Vishakha	FIR	RF Front Design & VLSI Implementation of Ultra Wide Band System	Dr. (Mrs.) U. D. Dalal Dr. R. M. Patrikar	Research Work
20.	Nehal Shah	PEC	Scalable Video Coding Using VLSI	Dr. (Mrs.) U. D. Dalal	Research Work
21.	Surabhi Dwivedi	FIR	Development of Patch Antennas Using Metamaterials	Dr. (Mrs.) U. D. Dalal	Research Work
22.	Rasila Hirani	PEC	Optical Waveguides	Dr. (Mrs.) U. D. Dalal	Research Work
23.	Sonal Parmar	PEC	GPS Scintillation Measurement	Dr. (Mrs.) U. D. Dalal	Research Work
24.	Hemant Goklani	PEC	Cross style image synthesis using SCDL & CDL	Dr. J. N. Sarvaiya	Research Work
25.	Pathak Jay Rajendraprasad	FIR	FINFET Design using III – VI material	Dr. A. D. Darji	Research work
26.	Vinay kumar Singh	FRS	Optical-wireless communication with OFDM	Dr. (Mrs.) U. D. Dalal	Course Work
27.	Patel Dhananjay Manohar	FRS	Optical OFDM communication	Dr. (Mrs.) U. D. Dalal	Course Work

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			system		
28.	Pradhan Dipika Nabakishore	PEC	Comparative study on SP, DP & TP configuration of EDFA	Dr. (Mrs.) U. D. Dalal	Course Work
29.	Shah Prashant K.	PIS	Stability analysis of 2-D PSV systems	Dr. (Mrs.) U. D. Dalal	Course Work
30.	Sakhare Swati Vinodkumar	PEC	Video Surveillance through HEVC	Dr. J. N. Sarvaiya Dr. (Mrs.) U. D. Dalal	Course work
31.	Pathak Ketki Chintankumar	PEC	Video processing	Dr. J. N. Sarvaiya	Course work
32.	Yadav Rahul Sureshchandra	FIR	Sensor device	Dr. Piyush Patel	Course work
33.	Kumar Rashmi Ranjan	FIR	Sensors based on photonics crystal filters	Dr. Piyush Patel	Course work
34.	Adhvaryu Meghayu Atulkumar	PEC	Sensor device	Dr. Piyush Patel	Course work
35.	Mr. Sarosh Dastoor	PEC	Wireless Networks(Cellular Planning)	Dr. J. N. Sarvaiya	Course work
36.	Ms. Darshna Jagiwala	FIR	Interference mitigation techniques in S band	Dr. J. N. Sarvaiya	Course work
37.	Ms. Priyanka Lineswala	PEC	Jamming and spoofing counter measure techniques based on SDR	Dr. J. N. Sarvaiya	Course work
38.	Ms. Monika Gambhir	FIR	Long period fiber grating sensors	Dr. (Mrs.) U. D. Dalal	Course work
39.	Mr. Pradeep Tiwari	PEC	Emotion recognition	Dr. A. D. Darji	Course work
40.	Mr. Shailesh Gheewala	PEC	Sensor Device	Dr. Piyush Patel	Course work
41.	Ms. Ratnesh Kumari	FSF	Sensor Device	Dr. Piyush Patel	Course work
42.	Idris Bholebawa	FIR	Open flow protocol designing for wireless environment	Dr. (Mrs.) U. D. Dalal	Research work

Scholars pursuing M.Tech dissertation currently and their details:**ELECTRONICS ENGINEERING DEPARTMENT**

No.	Name of Students	Title	Research Area	Guide
1.	Jerrin Raju	Cross Domain Synthesis and Recognition Using Coupled Dictionary and Feature Space Learning	Image processing	Dr. J. N. Sarvaiya
2.	Ankita Khetan	Development of Host test framework and It's verification	Wireless communication	Dr. J. N. Sarvaiya
3.	Godavarthi Amartej	Efficient Quality Analysis and Enhancement of MRI Image Using Filters and Wavelets	Image processing	Mr. P. K. Shah
4.	Apoorv Rajput	Photonic Generation of Microwaves using Cascaded MZMs	Communication	Prof.(Mrs.) S. Gupta
5.	Mukesh Lohar	Optical Temperature Sensor	Fiber and Optics sensors	Dr. Piyush Patel Mr. A. S. Mandloi
6.	Ranjan Kumar	Enhancement of Gain of Micro strip Antenna Using Metamaterials	Wireless communication	Mr. A. H. Lalluwadia
7.	Jay Thakur	Advanced application of optical	Optical Communication	Dr.(Mrs.) U. D. Dalal
8.	Rathod Tejas	Cross Style Image Synthesis Using Semi-Coupled Dictionary Learning	Image Processing	Dr. J. N. Sarvaiya
9.	Nikhil Dhendre	Biomedical Image Fusion	Image Processing	Mr. K. P. Upla
10.	Chinnapadamal a Mallikhajuna	Super Resolution of Image Using Patch Recurrence	Image Processing	Mr. P. K. Shah
11.	Anand Chandra S.	Performance Analysis of LTE Physical Layer	Wireless Communication	Dr. (Mrs.) U. D. Dalal
12.	Arvind V. S.	Compact and Broadband EBG Antenna for C-band Applications	Wireless Communication	Prof.(Mrs.) S. Gupta
13.	Sumit V. Chalganje	Multi-sensor Medical Image Fusion	Image Processing	Mr. K. P. Upla
14.	Arun G.	Electromagnetic and Photonics	Communication	Dr. (Mrs.) U. D. Dalal

		Advance Application		
15.	Thaduru Laxmi N.	Analyzing Non Liner Effect at Various Power Levels and Channel Counts On the Performance of DWDM Based Optical Fiber Communication Systems	Optical Communication	Mr. A. S. Mandloi
16.	Jinjala Dinesh P.	Image Sparse Coding Using Pattern Adaptive Multi Over Complete Dictionary Learning and Transmission over Noisy Channel	Image Processing	Mrs. J. N. Patel
17.	Pariyal Jayshri S.	Interactive thresholding methodology for energy Detection	Cognitive Radio	Mrs. S. N. Shah
18.	Vandita A. Hingu	Block wise Eigen Value Based Spectrum Sensing Algorithm	Cognitive Radio	Mrs. S. N. Shah
19.	Rana Chandrakant R.	Study, Design and Analysis of U-Shaped Metamaterial for X Band Applications	Microwave Communication	Mr. A. H. Lalluwadia
20.	Khandla Hitesh Ganpatlal	ASIC Implementation of Hardware Efficient Architecture for Divider Using TSMC 28 nm Technology	VLSI	Dr. A. D. Darji
21.	Patel Keralkumar Mukundsai	FPGA implementation of LDPC decoder	VLSI	Mr. P. J. Engineer
22.	Upadhyay Bhargav Sureshbhai	High Precision Duty Cycle Correction Circuit Design for 5.2 GHz Speed I/O Applications	VLSI	Dr. A. D. Darji
23.	Janga Babu	Dynamic thresholding and filtering based technique for detection of hard exudates	Image Processing	Mr. P. K. Shah
24.	Kuldeep M. Tayade	TCAD Implementation of Porous Silicon Based Sensor	VLSI	Mrs. R. N. Dhavse
25.	Ankur Gosar	Asynchronous FIFO design and challenges	VLSI	Dr. J. N. Sarvaiya
26.	Dabhi Chetankumar Trikambhai	Reliability study of low voltage programmable ultra-thin tunnel oxide FG MOS Gate Stack	VLSI	Mrs. R. N. Dhavse
27.	Koradiya	Mathematical modeling of quantum dot(QD) floating	VLSI	Mrs. R. N.

	Aashik N.	gate device		Dhavse
28.	Rakesh Patidar	Optimal design of FIR filter using different selection methods in Genetic Algorithm	Digital signal processing	Mr. P. K. Shah
29.	Suthar Pratik Prafulbhai	ASIC Design of Programmable Bias Generator	VLSI	Dr. A. D. Darji
30.	Kavita Topal	Pulse Generator for UWB Apply to Active inductor based BPE Design	VLSI	Dr. (Mrs.) U. D. Dalal
31.	Ashishkumar Pandey	Streaming Architecture for Image processing	Embedded System	Mr. P. J. Engineer
32.	Koripelli Shekar	Efficient method for the reduction of Power dissipation in Network on Chip (NOC)	FPGA based system design	Mr. Z. M. Patel
33.	Madhuri Rajendra Sharma	Mixer Design for Broadband Wireless Applications & Antenna Design	Wireless communication	Dr. (Mrs.) U. D. Dalal
34.	S. Harishkumar	Fusion of image Using Enhanced Boosting Laplacian Pyramid"	Image processing	Mr. P. K. Shah
35.	Gadani Tanmay N.	Efficiency Improvement in Custom Full chip Integration Flow	VLSI	Mrs. R. N. Dhavse
36.	Chintan A. Parmar	Adaptive Filter Design Robust to Impulsive Noise using FPGA	Digital signal processing	Dr. A. D. Darji
37.	Makwana Raviraj P.	Efficient DST Architecture For HEVC Application	VLSI	Dr. A. D. Darji
38.	Prajapati Jignesh R.	Low noise figure, high linear RF mixture design for WIMAX in 0.18um tsmc	Analog VLSI	Mr. Z. M. Patel
39.	Shilpi Singh	Design & implementation of low power quantizer for sigma-delta modulator	Analog VLSI	Mr. Z. M. Patel
40.	Jaishree Keswani	Design of S/H and residual amplifier for 8-bit 250 MSPS adc	Analog VLSI	Mr. Z. M. Patel
41.	Jaiyawala Swati	Implementation of Particle Filter based Object Tracking algorithm on Network-on-Chip (NoC) Architecture	Embedded System	Mr. P. J. Engineer

Scholars pursuing M.Tech dissertation currently and their details:

ELECTRONICS ENGINEERING DEPARTMENT				
No.	Name of Students	Title	Research Area	Guide
1.	Minesh Patel	Video coding	VLSI	Dr. A. D. Darji

MECHANICAL ENGINEERING DEPARTMENT

(1) The focus research areas in the department are as follows :

1. Development of Two Stage GM Type Pulse Tube Cryocooler for 10 K Applications.
2. Numerical Modeling of GM Type Pulse Tube Cryocooler.
3. Investigations on orbital EDM process.
4. Design, Development & Investigation on Two Stage GM type Pulse Tube Cryocooler for 10K Application.
5. Design optimization,
6. Manufacturing optimization,
7. Multicriteria decision making,
8. Manufacturing processes,
9. Optimization techniques,
10. AI Applications in Sheet Metal Forming,
11. Press Tool Design,
12. Manufacturing Processes,
13. Automation in Manufacturing,
14. Flexible Manufacturing Systems,

15. Computer Aided Process Planning (CAPP), CAD/CAM/CIM,
16. Investigations on micro EDM process.
17. Investigations on Electro-chemical Machining.
18. Investigations on Incremental Forming Process.
19. Spark column behavior analysis using acoustic for EDM.
20. Condition monitoring
21. Tool path generation for CNC machines
22. Optimization
23. Numerical Modeling of GM Type Pulse Tube Cryocooler
24. Development of Thermo acoustically driven the moacostic Refrigerator.
25. Alternate refrigerants, low temperature refrigeration
26. Vortex tube refrigeration
27. Metal Forming Process
28. Finite Element Analysis in Manufacturing
29. Metal Machining Process
30. Two-phase flow and Heat transfer,
31. Phase change processes,
32. Computational Fluid Dynamics,
33. Turbo machines,
34. Combustion
35. Knowledge Management
36. Supply Chain Management
37. Benchmarking Quantitative Methods for Managerial Decisions

38. Manufacturing philosophy Project Management

39. Total Quality Management & Six Sigma Enterprise Resource Planning (ERP)

(2) Currently there are Ph.D. 72, M. Tech 72. and M. Tech. (Research) 01 candidates in Mechanical Engineering Department.

Scholars pursuing Ph.D., currently and their details:

MECHANICAL ENGINEERING DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Veera P. Darji	PEC	Applications of decision making methods to the selected problems of the industrial environment	Dr. R. Venkata Rao	ThesisSubmitted
2.	Gajanan G. Waghmare	PEC	Single and multiobjective optimization using TLBO algorithm	Dr. R. Venkata Rao	ThesisSubmitted
3.	Avinash Kamble	PEC	GMAW of selected grades of steel	Dr. R. Venkata Rao	Ongoing
4.	Kiran More	PEC	Design optimization of thermal systems	Dr. R. Venkata Rao	Ongoing
5.	Shraddha Deshpande	PEC	Machining of shape memory alloys	Dr. R. Venkata Rao	Ongoing
6.	Sreekumar Rajesh	PEC	Optimization of plasma spraying process	Dr. R. Venkata Rao	Ongoing
7.	Dhiraj P. Rai	FIR	Optimization of manufacturing processes using advanced optimization algorithms	Dr. R. Venkata Rao	Ongoing
8.	Chavan C. V	FIR	Investigations on resistance spot	Dr. V. D. Kalyankar	Ongoing

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			welding		
9.	Deshmukh D. D.	PEC	Investigations on weld overlay surface exposed to critical environments	Dr. V. D. Kalyankar	Ongoing
10.	Patel Nikunj	PIC	Energy management and bench marking for Textile Industry	Dr. Bade Mukund H.	Course working
11.	Ajit D. Dhanawade		Machining of composites using abrasive water jet machining	Dr. Shailendra Kumar	Ongoing
12.	Rahul K. Jagtap		Hybrid incremental sheet forming	Dr. Shailendra Kumar	Ongoing
13.	Pramod Chougule		Energy and cost conflict process routing	Dr. Shailendra Kumar	Ongoing
14.	Paresh Gujarati	FIR	Design, Development & Investigation on Two Stage GM type Pulse Tube Cryocooler for 10K Application	Dr. H.B. Naik Dr. K.P. Desai	Research work
15.	V. K. Joshi	PEC	Investigations on Electro-chemical Machining	Dr. K.P. Desai	Research work
16.	M.B.Maisuria	PIS	Parametric Study Of a Nanofluid Based Compact Heat Exchanger Using Various Soft Computing Methods In Context Of Automotive Application.	M.K.Bhatt	Ongoing
17.	Shyam Mogal	PEC	Fault Diagnosis of Rotating Machinery	D. I. Lalwani	Writing Thesis

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18.	Divyang Patel	PEC	Toolpath development for free-form CNC pocket machining	D. I. Lalwani	Writing Thesis
19.	Kanti B. Rathod	PEC	Experimental Investigation and Modeling of Hard Turning of AISI H11 Steel	D. I. Lalwani	Research Work
20.	Bindu Pillai	PEC	Vibration Based Condition Monitoring of Mechanical Mirco-Drilling Process	D. I. Lalwani	Research Work
21.	Chetan D. Somani	PEC	Experimental Investigation of weld overlay process	D. I. Lalwani	Course Work
22.	Parthiv D. Rana	FIR	Optimization of some manufacturing processes and some design problems using evolutionary optimization techniques	D. I. Lalwani	Research Work
23.	Jitendra B. Kanani	PEC	study of process parameters in external thread rolling of stainless steel material	D. I. Lalwani	Course Work
24.	Abhinav B. Desai	FIR	Development and Investigation of Thermoacoustic Refrigeration	Dr. H.B. Naik	Research work
25.	Bandapilli Chakradhar	FIR	Experimental Investigation of Cutting Forces and Surface Roughness in Micro Milling	Dr. Bharat M. Sutaria Dr. Dhanjay V. Bhatt	Research work

			Machining of Titanium Alloys		
26.	Hiren R. Dave	FIR	To study the Performance analysis of Multiple Injections and Emissions on DI Diesel Engine - A case Study	Dr. Bharat M. Sutaria	Research work
27.	Hitesh Thakare	PEC	Vortex tube refrigeration	Dr. A D Parekh	Research work
28.	Tejendra Patel	PEC	Experimental evaluation of Condensing heat transfer coefficient	Dr.A D Parekh/Dr.P R Tailor	Research work
29.	Vipin Nair	FIR	Nano fluid as refrigerants in vapour compression system to improve thermal conductivity	Dr.A D Parekh/Dr.P R Tailor	Research work
30.	Parag Rajpura	FIR		Dr. R D Shah	
31.	Vratraj K Joshi	PEC	Development of Canned cycles for CNC Machining process	Dr. H K Raval Dr. K P Desai	Pre-synopsis permitted
32.	Sandeep Sarnobat	PEC	Investigation on Oblique Turning of Hard Material	Dr. H K Raval	Pre-synopsis permitted
33.	Bhavin V. Desai	FIR-PEC	Investigation of incremental sheet metal forming process	Dr. H K Raval Dr. K P Desai	Thesis Writing
34.	Rakesh S. Barot	PEC	Investigation on acoustic emissions during EDM	Dr. H K Raval Dr. K P Desai	Ongoing
35.	Promod Chougule	PEC	Energy Conscious Process Planning for manufacturing	Dr. S Kumar Dr. H K Raval	Ongoing

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36.	Bhaveshkumar G. Mewada	PEC	Hard Metal Machining	Dr. H K Raval	Ongoing
37.	Prashant P. Powar	PEC	Study of Hard Turning	Dr. H K Raval	Ongoing
38.	Shakil A. Q. Kagzi	PPF	Investigation of force analysis in three Roller Bending	Dr. H K Raval	Pre-synopsis permitted
39.	Ravi Bhatt	FIR	Investigation of flow forming	Dr. H K Raval	Ongoing
40.	Vishal John Mathai	FIR	Investigation on Generation of Non-Circular cavities by Electro Discharge Machining Process	Dr. H. K. Dave Dr. K. P. Desai	Research Work
41.	Sudhanshu Kumar	FIR	Investigation on Radial Tool movement in Electro Discharge Machining Process.	Dr. K. P. Desai Dr. H. K. Dave	Research Work
42.	Sekar S	PEC	Investigation on Hot corrosion, Oxidation and Erosion Behaviour of Detonation Gun Spray Coating on Inconel-718	Dr. Jyoti Menghani Dr. Satya Prakash (IIT Roorkee)	Thesis Submitted
43.	Swanand Kulkarni	PEC	Experimental and Modeling Investigation of Al based Metal Matrix Composites	Dr. Jyoti Menghani Dr. Acchelal	Permission for Presynopsis granted
44.	Amol Kakde	PEC	Tribological Behaviour of Sugar cane roller mill	Dr. D.V Bhat Dr. Jyoti Menghani	Permission for Presynopsis granted
45.	Satish More	FIR	Functional Characterization	Dr. D.V Bhat(PI)	Research work

			of High Entropy alloy coating	Dr. Jyoti Menghani	
46.	Santosh Wagh	PEC	Effect of Laser Hardening on wear and friction Behaviour of automobile components	Dr. D.V Bhat Dr. Jyoti Menghani	Research Work
47.	Hozefa Tinwala	FIR	Preparation and Characterization of Lathanum Cerium Oxide	Dr. Dimple Shah (Applied Physics)(PI) Dr. Jyoti Menghani	Research Work
48.	Shailesh pandya	PIC	Joining of Dissimilar metals using friction stir welding process	Dr. Jyoti Menghani	Research work
49.	Maitrik Shah	PEC	Flow analysis of radial pump	Dr. Beena D. Baloni	First year
50.	Kamalesh A Sorate	FIR	Experimental investigation on biodiesel derived from vegetable oil deodorizer distillate: Adverse properties and system compatibility	Dr. Purnanand V. Bhale	Submitted the Thesis
51.	Vikram Rathod	PIS	Biogas Reforming to Hydrogen Rich Syngas Production	Dr Purnanand V Bhale	Research Work
52.	Supriya R. Ingole	FIR	Facility layout design using non-traditional optimization techniques	Dr. Dinesh Singh	Research work
53.	Rajkamal S. Shukla	FIR	Investigation of performance parameters of non-traditional machining processes	Dr. Dinesh Singh	Research work
54.	Hitesh Zinzala	FIR	Development of	Dr. J Banerjee	Permitted for

			an Eulerian-Lagrangian interface tracking algorithm for interfacial flows using Moment of Fluid Interface Reconstruction		pre-synopsis seminar
55.	Jignesh Thakar	FIR	Experimental analysis of Intermittent Type Two-phase flows	Dr. J Banerjee	6th Semester completed
56.	Shaswat Saincher	FPS	Analysis of Ocean Wave Breaking	Dr. J Banerjee	4th semester completed
57.	Sanjay R Patel	PEC	Non through cut investigation on AWJ for Hylam material	Dr. A A Shaikh	Thesis submitted
58.	Afzal Bhatt	FIR	Experimental investigation of Effect of out of plane layer orientation angle on SIF of RP material	Dr. A A Shaikh	Synopsis Submitted
59.	Jignesh Patel	FIR	AWJ cutting of Banana fiber reinforced composite	Dr. A A Shaikh	Pre synopsis completed
60.	Rajiv Mistry	PEC	FRP pressure vessel design for non-circular cut	Dr. A A Shaikh	Pres synopsis seminar report writing
61.	Rajnikant Ajudia	PEC	Investigation on depth and roughness for Laser turning of composite cylinder	Dr. A A Shaikh	Experiments are going on
62.	Atul Bakre	PEC	Investigation of single side CFRP patch for crack propagation	Dr. A A Shaikh	Planning stage of experiments
63.	Niranjan	FIR	Stochastic static	Dr. Achchhe Lal	Thesis

	Laxmanarao Shegokar		and dynamic nonlinear analysis of surface bonded piezoelectric functionally graded beam subjected to thermoelectromechanical loadings		submitted
64.	Amit Kumar Srivastava	PEC	Determination of fracture parameters and crack growth direction for multiple edge cracks of a finite plate	Dr. Achchhe Lal	Thesis submitted
65.	Shailesh P. Palekar	PEC	Probabilistic fracture modeling and analysis of laminated composite panels by XFEM	Dr. Achchhe Lal	Allowed for pre-synopsis
66.	Appaso Machindra Gadade	PEC	Stochastic progressive failure analysis of laminated composite plate under different loading conditions	Dr. Achchhe Lal	Allowed for pre-synopsis
67.	Khubilal Khatri	FIR	Fracture Mechanics	Dr. Achchhe Lal	Research work
68.	Mr. Shrikant J. Gorane [D11ME005]	PEC	Study of Selected Supply Chain Practices in Indian Manufacturing Industries	Ravi Kant	Awarded
69.	Mr. Rakesh Kumar Malviya (DS12ME003)	FIR	Study of Green Supply Chain Adoption for Indian Manufacturing Organizations	Ravi Kant	Pre Synopsis

			using Decision Making Approaches		
70.	Mr. Manojkumar V. Dalvi, (DS12ME002)	PEC	Study of selected Issues of Supplier Selection, Supplier Evaluation and Suppliers Development for Indian Manufacturing Organizations	Ravi Kant	Pre Synopsis
71.	Mr. Vishal A. Bhosale (D13ME006)	FIR	Study of Knowledge Flow Adoption in Supply Chain for Indian Scenario	Ravi Kant	RPS IV
72.	Hiteshkumar G. Shah (DS12ME008)	PEC	Study of Knowledge Management Adoption in Indian Manufacturing Organizations	Ravi Kant	RPS III

Scholars pursuing M.Tech dissertation currently and their details:

MECHANICAL ENGINEERING DEPARTMENT				
No.	Name of Students	Topic	Research Area	Guide
1.	Mr. Amit Patil	Robot path planning using TLBO algorithm	Robotics	Dr. R. Venkata Rao
2.	Mr. Ankit Saroj	Optimization of modern machining processes using TLBO algorithm	Machining	Dr. R. Venkata Rao
3.	Mr. Karteek Pragada	Optimization of selected thermal equipment using TLBO algorithm	Thermal system design	Dr. R. Venkata Rao
4.	Mr. Jaywant Wanare	Optimization of selected supply chain management problems using TLBO algorithm	Supply chain management	Dr. R. Venkata Rao

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5.	Mr. Vinay Kumar	Optimization of refrigeration and air conditioning systems using TLBO algorithm	Refrigeration and air conditioning	Dr. R. Venkata Rao
6.	Akshay R Gavai	Study of Friction & Wear characteristics of Break pad materials	Engine Tribology	Dr. Bharat M. Sutaria
7.	Shyam Vilas Pandey	Erosion of steam turbine blades	Machine Design	Mr. Sandeep Soni
8.	Aniket Dilip Monde	Numerical analysis of Ranque Hirsch counter flow vortex tube	Refrigeration	Dr. A D Parekh
9.	Sarvajeet Kumar	Studies on Air cooled condenser of vapour compression system using Refrigerants R290, R22, R410A and R134a	Refrigeration	Dr. A D Parekh
10.	Kedar Bhide	Numerical Simulation of Moving Heat Source	Thermal system design	Dr. R D Shah
11.	Patel Vipul Maheshbhai	Experimental investigation on closed loop pulsating heat pipe	Turbo-machines	Dr. Hemant B. Mehta
12.	Soyrubh yadav	Experimental investigation on air water two phase flow through single serpentine	Turbo-machines	Dr. Hemant B. Mehta
13.	kalpak	Experimental investigation on pulsating Taylor bubble flow through minichannel	Turbo-machines	Dr. Hemant B. Mehta
14.	Anup Nimkar	: Numerical Analysis of Tube Fin Heat Exchanger Using Nanofluids	Thermal Engineering	M.B.Maisuria
15.	Ashwin Bhura	experimental investigation on thermal performance of automobile radiator with different concentration of ethylene glycol (eg)/water mixture	Thermal Engineering	M.B.Maisuria
16.	Sani Patel	Synthesis and characterization of high entropy alloy by mechanical alloying	Powder metallurgy	Dr. Jyoti Menghani
17.	Achu B	Investigation on the erosion and cyclic oxidation behavior of Ni based Hardfacing alloy	Surface Engineering	Dr. Jyoti Menghani
18.	Sudeesh S	Investigation On Properties of Dissimilar weld between low carbon steel and Austenitic Stainless steel using SMAW.	Welding Metallurgy	Dr. Jyoti Menghani

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19.	Kishan Ashok Fuse	Investigation of tensile instability in sheet metal components	Manufacturing	Dr. H K Raval
20.	Patel Gaurav Ramanbhai	Finite Element Analysis and investigation of metal cutting process: A simulation Study	Manufacturing	Dr. H K Raval
21.	Pavan Nagda	Modeling, Simulation and Optimization of cup forming	Manufacturing	Dr. H K Raval
22.	Purnanak Bhatt	Mechanics of Ball end milling	Manufacturing	Dr. H K Raval Dr. Asim Tewari (IIT, Bombay)
23.	Falgun Mevada	Seismic design and analysis of pressure vessels	Manufacturing	Dr. H K Raval Mr. Hemant Chintamani (ISGEC, Bharuch)
24.	Chintan Akhani	Experimental study on Micro turning process	Micro machining	Dr. H. K. Dave
25.	Gaurav Bhakar	Machine dynamics and workpiece dynamic stability analysis during machining	Conventional machining	Dr. H. K. Dave, Dr. Aseem Tiwari (IIT Bombay)
26.	Gaurav Narnavare	Multipurpose Multiheating System for Rural Application	Thermal system design	N.G.Patel
27.	S. Prashanth	Santiago Vertical Axis Wind Turbine	Turbomachines	Mr. N.G.Patel
28.	Vaishak S	Biodiesel from acid oil: characterization, material compatibility, storage stability and engine performance	Energy	Dr. P. V. Bhale
29.	Aditya Devendra Pathak	Design fabrication and analysis of a batch type seawater desalination unit	Thermal system design	Dr. P. V. Bhale
30.	Sandeep Tiwari	Evaluation of convection heat transfer coefficient at different altitudes in atmospheric regime	Thermal system design	Dr. Purnanand V. Bhale
31.	Palash Goyal	Analysis of ammonia-water and lithium water vapour absorption refrigeration system	Refrigeration	Dr. P. R. Tailor
32.	Sanjeev	Development and experimental investigation of thermoacoustic engine	Thermal system design	Dr. P. R. Tailor

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33.	Vikas Kumar	Design development and analysis of axial flow turbine	Turbomachines	Vikram Rathod
34.	Mayur Patel	Design development and analysis of radial flow turbine	Turbomachines	Vikram Rathod
35.	Tejaram Saini	Design and CFD based flow analysis of centrifugal pump impeller	Turbomachines	Vikram Rathod
36.	Meha Setiya	Design and Numerical Analysis of Centrifugal Compressor for APU	Turbomachines	Dr. Beena D. Baloni
37.	N. Nagaraju	Numerical Analysis of Wind Turbine Rotor Blade	Wind turbine	Dr. Beena D. Baloni
38.	Sonu P. Kumar	Numerical Analysis of Rocket Nozzles	Jet Propulsion	Dr. Beena D. Baloni
39.	Kalpeshkumar Sojtriya	Thermo-mechanical analysis of different welded joint categories of pressure vessel	Welding, Materials	Dr. V. D. Kalyankar
40.	Ajay Trivedi	Microstructure and Mechanical Properties of Al Alloys Lap joints by Friction Stir Welding	Friction Stir Welding	S. N. Pandya
41.	Sandeep Lad	Experimental Investigation on Friction Stir Welding of Polymeric Material	Friction Stir Welding	S. N. Pandya
42.	Vishva Bharti	Parameter Optimization of Welding Processes using Biogeography Based Optimization (BBO) Algorithm	Welding	Dr. Dinesh Singh
43.	Rathod Uday Dineshbhai	Optimization of Casting Process Parameters using Krill Herd Optimization Algorithm	Casting	Dr. Dinesh Singh
44.	Ankit Karsanbhai Solanki	Analysis of Localized Stresses on a Static Equipment Supported by Multiple Saddles during Hydrotest	Design	Dr. Dinesh Singh A.K. Mahto
45.	Patel Tarunkumar Natvarlal	Material Handling Equipment Selection using Type1 and Type2 Fuzzy Multi Attribute Decision Making Methods	Industrial Engg.	Dr. Dinesh Singh A. K. Mahto
46.	Basa Nagaraju	Numerical investigation on film boiling using level-set method	Thermal system design	Dr. J Banerjee
47.	Lokesh Kalapala	Numerical simulation and analysis of heat transport	Thermal system design	Dr. J Banerjee

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		characteristic of Taylor flow through micro channel		
48.	Rahul B V	Numerical modeling of axisymmetric laminar diffusion flames	Turbomachines	Dr. J Banerjee
49.	Parth Thaker	Parametric investigation on liquid sheet breakup and atomization	Turbomachines	Dr. J Banerjee
50.	Sourav Kumar Patel	CFD Analysis of Hydrodynamic Instabilities in Hydroelectric Power Plant	Turbomachines	Dr. J Banerjee
51.	Rakeshkumar.S. Gami	Estimation of losses for solar flat plate collector at different tilt angle.	Thermal Engg.	Dr. M.K.Bhatt
52.	Aravind G P	Numerical and experimental studies on high pressure ratio airfoils for axial flow compressors	Turbomachines	Dr. S. A. Channiwala
53.	Jayesh Parekh	Single phase and two phase flow boiling heat transfer studies in mini channel with water and ethanol as working fluids	Thermal system design	Dr. S. A. Channiwala
54.	Jaiminkumar T Senta	Development and experimental investigation of thermoacoustic refrigerator	Thermal system design	Dr. H.B. Naik
55.	Parth Joshi	Experimental investigation on standing wave thermoacoustic engine using different mixture of gases	Thermal system design	Dr. H.B. Naik
56.	Arvind chaudhry	Machining of surface based on Bezier curve complexity	CAD	Dr. A A Shaikh
57.	Sajan Joshi	Simulation of resin distribution in RTM process at IIT Mumbai	Material	Dr. A A Shaikh
58.	Darshan Dodia	Design and development of a four channel radio frequency rotary joint for space applications at ISRO	CAD	Dr. A A Shaikh
59.	Deep D parekh	Abrasive water jet machining of ABS plastic by varying material built parameters using FDM process	CAD/Manufacturing	Dr. A A Shaikh
60.	Anil D Patel	Comparative study of standard primitives by subtractive and additive manufacturing processes	CAD CAM	Dr. A A Shaikh

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61.	Sunita Tiwari	Process parameter optimization of machining processes using modified ϵ constrained differential evolution.	Optimization	D. I. Lalwani
62.	Jigar Patel L	Design and manufacturing of machine fault simulator for condition monitoring	Design	D. I. Lalwani
63.	Ritesh P. Ghule	Comparative study of constrained problem using optimization techniques	Optimization	D. I. Lalwani
64.	Vaishakh R	Vibration based condition monitoring of bearing defects and shaft bend	Design	D. I. Lalwani
65.	Nilesh R. Patil	Selection of cutting tools and cutting parameters of machining process using an expert system	Machining	D. I. Lalwani
66.	Shweta Jagdale	Investigation on the influence of process parameters on kerf properties in abrasive water jet machining of carbon fiber reinforced polymer.	Non-conventional Machining	Dr. Shailendra Kumar
67.	Pratik Bose	Investigation on the influence of process parameters on surface roughness in abrasive water jet machining of glass fiber reinforced polymer.	Non-conventional Machining	Dr. Shailendra Kumar
68.	Soham Teraiya	Automatic feature recognition of sheet metal part.	AI Applications in Sheet Metal Forming	Dr. Shailendra Kumar
69.	Amol Patil	An Investigation on the Effect of Process Parameters in single point incremental forming (SPIF).	Sheet metal forming	Dr. Shailendra Kumar
70.	Vikas Singh Sisodiya	Feasibility study – Design and development of mechanical linkage for 420KV gas insulated switch gear.	Design and manufacturing	Dr. Shailendra Kumar
71.	Sanjeev Kumar	Computational analysis of phase change process during melting and solidification of phase change material	Thermal engineering	Dr. Manish K. Rathod
72.	Dharmeshkumar H Chaudhari (P13MF017)	Supplier Development: Modeling the Practices Using ISM-Fuzzy MICMAC and Fuzzy	Supply Chain	Dr Ravi Kant

DEMATEL				
73.	Gajendra Naik (P13MF002)	Measuring the Possibility of Successful Information Sharing in SC: A Hybrid Fuzzy DEMATEL and FMCDM Approach	Supply Chain	Dr Ravi Kant
74.	Mr. Chintan R. Patel (P13MF015)	Knowledge Leakage in Supply Chain: Modelling the Variables	Knowledge Management and Supply Chain	Dr Ravi Kant
75.	Mr. Sonawala Mayur I. (P13MF020)	Ranking the Solutions of Effective Supply Chain Collaboration	Supply Chain	Dr Ravi Kant
76.	Mr. Khalid Hussain Ansari (P13ME021)	Selected Issues of Technological Adoption in Supply Chain: A Survey of Indian Manufacturing Organizations	Supply Chain	Dr Ravi Kant

Scholars pursuing M Tech Research currently and their details:

MECHANICAL ENGINEERING DEPARTMENT				
No.	Name of Students	Title	Research Area	Guide
1.	Dinesh Kumar	Stability analysis & capacity enhancement of crawler crane	Structural CAD	Dr. A A Shaikh

Scholars pursuing Ph.D., currently and their details:

APPLIED PHYSICS DEPARTMENT					
No.	Name of Students	CAT	Topic	Guide	Status
1.	Kirit Siddhapara	FIR	Study of Charge carrier induced transportation Properties of Transition metal doped TiO ₂ Nano Materials.	Dr. D. V. Shah	Thesis Submitted
2.	Dudhat Rajesh	FSF	Properties of X,Y,Z-	Dr. A. K. Rai	Research Work

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			states by using of PANDAROOT		
3.	Patel Kinjalben K.	FIR	Thin Film Solar Cells	Dr. D. V. Shah	Pre – Synopsis Submitted
4.	Chahal Narendra Todar	PEC	Coulomb drag in low dimensional quantum system.	Dr. L. K. Saini	Research Work
5.	Patel Sanjaykumar Jayantilal	FIR	Design and Development of Multilayer Optical thin-film for Fabrication of Superluminescent Light Emitting Diode	Dr. V. A. Kheraj	Pre – Synopsis Recommended
6.	Hozefa Tinwala	FIR	Thermo-physical properties of lanthanum cerium oxide nanoparticles	Dr. D. V. Shah	Pre – Synopsis Recommended
7.	Kunvar S. Yadav	FIR	A study on GPS Signal through ionosphere and the analysis of GPS TEC form IGS in RINEX format	Dr. K. N. Pathak	Synopsis Recommended
8.	Patil K Shah	PEC	Synthesis And Photocatalytic Behaviour of ZnS/ α -Fe ₂ O ₃ core Shell Nano particles	Dr. D. V. Shah	Pre – Synopsis Recommended
9.	Shastri Niket V	PEC	Study of water vapour content of atmosphere using GPS	Dr. K. N. Pathak	Research Work
10.	Deshmukh Rao	PEC	Deposition of Zinc Oxide thin films using chemical bath deposition method.	Dr. V. A. Kheraj	Research Work
11.	Sharma Rajesh O.	FIR	Physics of low dimensional quantum systems.	Dr. L. K. Saini	Research Work
12.	Rathaud Dharmesh	FIR	Study of Exotic Hadrons	Dr. A. K. Rai	Research Work
13.	Esha V. Shah	F.I.R	Fundamentals and Applications of Density Functional Theory	Dr. D. R. Roy	Research Work

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14.	Virendrasinh Kher	PEC	Properties of heavy-light flavoured mesons	Dr. A. K. Rai	Research Work
15.	Vipin Kumar	FSF	DFT Investigation	Dr. D. R. Roy	Research Work
16.	Shaikh Israr Ahmed	PEC	Synthesis and Characterization of Core-Shell Nanoparticles	Dr. D. V. Shah	Research Work
17.	Deobrat Singh	FRS	To study structural & electronic properties of metallic nanowire using first principle calculation	Dr. Y. A. Sonvane	Research Work
18.	Patel Nileshkumar C	FIR	Basics of Ionosphere	Dr. K. N. Pathak	Research Work
19.	Marfatia Zalak	PPF	Study of Heavy Flavoured mesons	Dr. A. K. Rai	Research Work
20.	Chauhan Hitesh Prabhubhai	PEC		Dr. V. A. Kheraj	Course Work
21.	Prasad Bhagwati Pramod	PPF		Dr. L. K. Saini	Course Work
22.	Toshniwal Aditi Suresh	FRS		Dr. V. A. Kheraj	Course Work
23.	Jain Vishva Mahavir	PEC	Synthesis of Thin Films of Layered Structure	Dr. D. V. Shah	Course Work
24.	Chaturvedi Raghav Rajeev	PEC	Particle Physics	Dr. A. K. Rai	Course Work
25.	Mistry Pratik Nareshbhai	PEC		Dr. K. N. Pathak	Course Work
26.	Shah Janki Nimishbhai	FSF	Introduction to Nano - materials	Dr. Y. A. Sonvane	Course Work
27.	Kansara Shivam Dineshbhai	FSF	Background of DFT	Dr. Y. A. Sonvane	Course Work
28.	Sharma Bhumika Kanaiyalal	FSF	Green Synthesis & study of Toxicity of Nano - particles	Dr. D. R. Roy & Dr. D. V. Shah	Course Work

5.4 Institute – Industry Collaboration:

APPLIED CHEMISTRY DEPARTMENT

During the year under report, the Applied Chemistry department has deputed M.Sc. students at various reputed institutes such as IISc Bangalore, DMAPR and institute at Taiwan to carry out their dissertation work and USA and Germany for their summer internship programme.

Experts from various industries were invited for course curriculum revision workshop.

Most of the faculty members have visited various countries abroad either to deliver their lectures, to have research interactions, visit laboratories/Universities, present their paper or to participate in the prestigious conferences/workshops.

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT

Most of the faculty members have visited various countries abroad either to present their paper or to participate in the prestigious conferences/workshops.

CHEMICAL ENGINEERING DEPARTMENT

Provided training to graduate trainees opted by Reliance Industries Ltd. Hazira.

CIVIL ENGINEERING DEPARTMENT

Civil Engineering Department is offering consultancy services to industries of repute like Torrent Power Limited, Airports Authority of India Ltd., ONGC, KRIBHCO etc.

Also, the Environmental Audit Cell of Civil Engineering Department is High Court and GPCB recognized SCHEDULE-I Environment Auditor. It is carrying out Environment Audits of various reputed industries such as Reliance Industries, HAZIRA, Navin Fluorine Industries, BHESTAN, Torrent Power Limited, KAMREJ.

COMPUTER ENGINEERING DEPARTMENT

During the year under report, the computer engineering department has deputed 08 M.Tech students to carry out their dissertation work at IBM-Research, Bangalore. Numerous expert lectures from various personalities in the industry were also organized.

Most of the faculty members have visited various countries abroad either to present their paper or to participate in the prestigious conferences/workshops

ELECTRICAL ENGINEERING DEPARTMENT

During the year under report, the electrical engineering department has deputed 01 M.Tech student to carry out his dissertation work at GETCO, Vadodara. Numerous expert lectures from various personalities in the industry were also organized.

Most of the faculty members have visited various countries abroad either to present their paper or to participate in the prestigious conferences/workshops.

ELECTRONICS ENGINEERING DEPARTMENT

Under university program of different electronics industry, following donations were received:

1. More than 30 kits (10 ARM Cortex M4 + 20 Coldfire processor + others) donated by "Freescale Semiconductor" under banner of "Freescale sponsored Lab" to setup Embedded Lab (Faculty in-charge: Mr. P. J. Engineer)
2. ARM has donated 10 ARM Cortex M0+ boards with Keil uVision 5 (ARM-MDK) licenses (100 Nos.) (Faculty In-charge: Mr. P. J. Engineer)
3. Xilinx Inc has donated synthesis tool-suite for FPGA with 25 licenses (Faculty In-charge: Mr. P. J. Engineer)

4. Texas instruments has donated MSP430 kits with debugger (6 Nos)
(Faculty In-charge: Mr. P. J. Engineer)
5. SystemView software with perpetual license for 5 users from Keysight technologies, Courtesy Automation system, Ahmedbad
6. Total 12 modular kits (including soldering iron and multimeter) are donated by Jampport Photonics.

Industry oriented lecture:

1. Dr Nishit Bhatt, Sr. Lecturer has delivered lecturer on PLC and interact with students as well as visit instrumentation Lab.
2. Training given to Naval officers at INS, Valsura Jamnagar during December 26-31st, 2014 by Dr. (Mrs.) U. D. Dalal on Application of DSP and by Mr. Golak Santra on “ , Application of Microwaves.”
3. The MOU with SAC ISRO for “IRNSS Navigation receiver Field trail and Data Collection” for two years, the IRNSS receiver set received from ISRO on 12th February, 2015. Weekly data sent to ISRO since then.
4. Industrial visit to ScienTech, Indore by 3rd Year students. February 2015
5. Total 14 M.Tech students deputed for Dissertation work at SAC/ISRO(4), INTEL(9), VSSC/ISRO (1) in 2014-15,
6. Dr. (Mrs.) U. D. Dalal has visited ISRO, Ahmedabad on 29th September, 2014 and facilitate to Dr. Kiran Kumar on the success of Mars Mission.
7. Dr. Surendra Sunda, Manager, GAGAN, Airports authority of India, GAGAN Lab SAC\ISRO, and Ahmedabad has contested to the examiner in the Ph. D. panel of Ph.D. scholar Sonal Parmar.

MECHANICAL ENGINEERING DEPARTMENT

1. Industrial visit of Third B Tech students to General Motors Limited Halol and Innovative tubes and tyres Halol

2. Three (03) engineers of Reliance Industries Limited, Hazira, Surat had participated in the one week short term training program on 'Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)" The same program was attended by 2 Scientists from DRDL Hyderabad.
3. Mr. Dinesh Gupta, Ex-Director General, Indian Ordnances Factories (Govt. of India) was invited to deliver a lecture of 2 hours to the participants of the AEOTIT training program.
4. One Senior General Manager (Mechanical) from Reliance Industries Limited, Hazira, Surat is pursuing PhD program under PEC category.
5. Conducted a 3-days training program on AEOTIT to 30 scientists of the Space Applications Centre (ISRO) Ahmedabad during 103 May 2014. A special lecture of "Publication of good quality research papers" was also delivered to about 200 scientists on the last day of the program.
6. One student under the supervision of Dr. Vivek D. Kalyankar completed M.Tech Dissertation in collaboration with ISGEC Hitachi Zosen Ltd., Dahej, Bharuch, Gujarat during the academic year 2014-15
7. M Tech student Chavan Dayaneshwar Shridhar completed his dissertation work at IIT – Bombay under the supervision of Dr. K P Desai.
8. One M. Tech. students under the supervision of Dr. D. I. Lalwaniis deputed to carry out his dissertation work at Vaftsy CAE, Pune and second M. Tech. student is deputed to carry out his dissertation work at ISGEC Hitacgu Zosen Ltd., Hitachi, Dahej, and Bharuch.
9. M Tech student Anand B. Patel under the supervision of Dr. H. B. Naik completes his dissertation work at Space Application Centre, Ahmedabad.

10. During the year under report, 01 M.Tech. Student deputed at ISGEC, Bharuch and 01 student deputed at IIT, Bombay to carry out his dissertation work.
11. During the year under report, one M.Tech student under the supervision of Dr. H. K. Dave has been deputed to IIT Bombay to carry out their dissertation work.
12. M Tech student Sandeep Tiwari under the supervision of Dr. Purnanand V. Bhale completes his dissertation work at Space Application Centre, Ahmedabad.
13. Design and development of a four channel radio frequency rotary joint for space applications at ISRO by Dr. A A Shaikh.

6.0 THE COUNCIL, BOG AND OTHER COMMITTEES

71.1 The Council

71.2 Board Of Governors

Sr. No.			Name	Period
1.	An Eminent Technologist / Engineer / Industrialist / Educationist-nominated by the Visitor	Chairman	Ms. Jaya Panvalkar, Hon'ble Chairperson, BoG's, SVNIT (Former Senior Director and Site Leader, NVIDIA Pune Design Centre), B- 702, Kapilvastu, Near Pratignya Hall, Karvenagar, Pune- 411052 (Maharashtra).	30/10/2017
2.	Director of the Institute- Ex-officio	Member	Dr. P D Porey Director SVNIT Surat	Ex-officio
3.	Special Secretary/Additional	Member	Shri Sanjeev Kumar Sharma	Ex-officio

	Secretary/ Joint Secretary dealing with Technical Section, Department of Higher Education, Ministry of Human Resource Development		Director (NITs) Rep. of Special Secretary/Additional Secretary/ Joint Secretary/Special Secretary to GOI, MHRD, Deptt. of Secondary & Higher Education, Shastri Bhavan, New Delhi.	
4.	Financial Advisor, Department of Higher Education, Ministry of Human Resource Development	Member	Shri Rajesh Singh, Director (Finance) Rep. of Financial Adviser Integrated Finance Division, GOI, MHRD, (Deptt. of Secondary & Higher Edn.), Higher Education, 'C' Wing, Shastri Bhavan, NEW DELHI-110 001.	Ex-officio
5.	Two persons to be nominated by the Government of States in which the Institute is situated, from amongst the persons, who, in the opinion of that Government, are technologist or industrialists of repute	Member	Shri Naik Dinkerrai Chhotubhai R/o 11, Meghdoot Society, Nr. Police Head Quarters, Athwa lines Surat – 395 007	11/05/2014
6.			Dr. M. N. Patel Vice Chancellor Gujarat University, Ahmedabad	28/09/2014
7.	Two persons, at least one of whom shall be a woman, having special knowledge of practical experience in respect of education, engineering or science to be nominated by the Council	Member	Prof. Dipan K. Ghosh Retd. Dy. Director & Professor, IIT, Bombay, Mumbai-400076	09/10/2014
8.			Prof. (Mrs) Uma Bhattacharya Professor, Department of Computer Sci. & Tech. Bengal Engineering &	09/10/2014

			Science Uni., Howrah	
9.	One Professor of the Institute to be nominated by the Senate	Member	Dr. H. B. Naik Professor, MED SVNIT, Surat	12/02/2017
10.	One Associate Professor or Assistant Professor of the Institute to be nominated by the Senate	Member	Dr. (Mrs.) V. A. Shah Asso. Professor, EED SVNIT, Surat	12/02/2017
11.	Registrar of the Institute-Ex-officio	Secretary	Shri H A Parmar Registrar SVNIT Surat	Ex-officio

71.3 Finance Committee

Sr. No.			Name	Period
1.	The Chairman, Ex-officio who shall be the Chairman of the Committee	Chairman	Ms. Jaya Panvalkar, Hon'ble Chairperson, BoG's, SVNIT (Former Senior Director and Site Leader, NVIDIA Pune Design Centre), B- 702, Kapilvastu, Near Pratignya Hall, Karvenagar, Pune- 411052 (Maharashtra).	30/10/2017
2.	Two persons nominated by Central Government	Member	Shri Sanjeev Kumar Sharma Director (NITs) Rep. of Special Secretary/Additional Secretary/ Joint Secretary/Special Secretary to GOI, MHRD, Deptt. of Secondary & Higher Education, Shastri Bhavan, New Delhi.	Ex-officio
3.			Shri Rajesh Singh, Director (Finance)	Ex-officio

			Rep. of Financial Adviser Integrated Finance Division, GOI, MHRD ,(Deptt. of Secondary & Higher Edn.),Higher Education, 'C' Wing, Shastri Bhavan, NEW DELHI-110 001.	
4.	Two persons nominated by Board amongst its members	Member	Prof. Dipan K. Ghosh Retd. Dy. Director & Professor, IIT, Bombay, Mumbai-400076	09/10/2014
5.			Dr. M. N. Patel Vice Chancellor Gujarat University, Ahmedabad	28/09/2014
6.	Director, Ex-officio	Member	Prof P D Porey Director, SVNIT, Surat	Ex-officio
7.	Registrar, Ex-officio	Member Secretary	Shri H A Parmar Registrar SVNIT, Surat	Ex-officio

71.4 BUILDING & WORKS COMMITTEE

Sr. No.			Name	Period
1.	Director Ex-officio	Chairman	Prof P D Porey Director SVNIT Surat	Ex-officio
2.	One person nominated by Govt. of India	Member	Shri Sanjeev Kumar Sharma Director (NITs) Rep. of Special Secretary/Additional Secretary/ Joint Secretary/Special Secretary to GOI, MHRD, Deptt. of Secondary & Higher Education, Shastri Bhavan, New Delhi.	Ex-officio
3.	One person nominated by Board amongst its member	Member	Dr. N. J. Mistry Professor, CED SVNIT, Surat	Tenure completed
4.	Nominee of CPWD / PWD (Civil Wing)	Member	Shri P. M. Chaudhary Superintending Engineer (Civil), R&B Circle, Nanpura, Surat	Ex-officio
5.	Nominee of CPWD / PWD (Elect. Wing)	Member	Shri Rajesh Bhagwani Executive Engineer (Elect.) O/O the EE (E), GCED, CPWD, Gandhinagar-	Ex-officio
6.	Dean, Planning & Development	Member	Prof Sandeep Wasanwala	Ex-officio
7.	Registrar, Ex-officio	Member Secretary	Shri H.A. Parmar Registrar, SVNIT, Surat	Ex-officio

6.5 OTHER COMMITTEES**PURCHASE COMMITTEE:**

Sr. No.			Name	Period
1.	Director Ex-officio	Chairman	Prof P D Porey Director, SVNIT, Surat	Ex-officio
2.	Nominee of Board	Member	Prof. S. S. Major Professor, Deptt. of Physics IITB, Powai, Mumbai - 400076, MAHARASHTRA	
3.	Nominee of Board	Member	Mr. P.K. Chopra Registrar, Navrachna University, Vadodara	
4.	Internal Member nominated by Board	Member	Dr. P. R. Tailor Professor, MED	
5.	Internal Member nominated by Board	Member	Dr. U. D. Dalal Asso. Professor, ECED	
6.	The Dy. Registrar (A/Cs.)	Member	Dy. Registrar (A/Cs.) SVNIT, Surat	Ex-officio
7.	The Registrar, Ex-officio	Member Secretary	Shri H.A. Parmar Registrar, SVNIT, Surat.	Ex-officio

LIST OF SENATE MEMBERS

Sr. No.			Name	Period
1.	Director, Ex-officio	Chairman	Prof P D Porey Director SV NIT Surat	Ex-officio
2.	Registrar, Ex-officio	Secretary	Shri H.A. Parmar Registrar, SVNIT, Surat.	Ex-officio
3.	Three persons, one of whom shall be woman, not being employees of the Institute, to be nominated by the Chairperson, in	Member	Dr. V. S. Sapkal, Vice Chancellor, Nagpur University, Nagpur	03/10/2014
4.		Member	Dr. Anil Kumar Singh Professor in Chemistry, IIT Bombay, Mumbai	03/10/2014

5.	consultation with the Director, from amongst educationists of repute, one each from the fields of sciences, engineering and humanities External Invitee Members	Member	Dr. (Ms.) M. Raman Prof. in Eng. & Comm., BITS Pilani, Goa	03/10/2014
6.		Invitee Member	Dr. A. A. Natu Professor, IISER PUNE-411 008	01/05/2016
7.		Invitee Member	Prof. H.C. Trivedi Former Vice Chancellor Bhavnagar University	01/05/2016
8.		Invitee Member	Dr. V.K. Katiyar Professor of Mathematics IIT, Roorkee	01/05/2016
9.		Invitee Member	Prof. (Dr.) G.L. ASAWA Professor of Civil Engineering, GLA University ,P.O. Chaumuhan; Mathura	01/05/2016
10.		Invitee Member	Dr. N. C. Shivaprakash Indian Institute of Science Bangalore -560 012	01/05/2016
11.		Invitee Member	Prof. H. M. Suryavanshi Professor, EED, VNIT, NAGPUR	01/05/2016
12.		Invitee Member	Prof. P. P. Mathur Vice Chancellor KIIT, Bhubaneswar	01/05/2016
13.		Invitee Member	Dr. B. V. Babu Director, IET JK Lakshmipat University Laliya Ka Vas, Ajmer Road JAIPUR - 302 026	01/05/2016
14.		Invitee Member	Dr. S. R. Gandhi IIT Madras, Chennai	01/05/2016
15.		Invitee Member	Prof. R. P. Mohanty Siksha 'O' Anusandhan Deemed to be University, Bhubaneswar – 750 030	01/05/2016
16.		Invitee Member	Prof. Ashok Patel Head of Comp.Sci.Deptt. North GUJARAT Uni., PATAN(N.Guj.)	01/05/2016
17.		The professors appointed or	Member	Dr. N. J. Mistry Professor, CED

18.	recognized as such by the imparting instructions in the Institute	Member	Dr. B. K. Samtani Professor, CED	Ex-officio
19.		Member	Dr. J. N. Patel Professor, CED	Ex-officio
20.		Member	Dr. P. L Patel HOD/CED	Ex-officio
21.		Member	Dr. H. S. Patil Professor, AMD	Ex-officio
22.		Member	Dr. A. K. Desai Professor, AMD	Ex-officio
23.		Member	Dr. S. A. Vasanwala Professor, AMD	Ex-officio
24.		Member	Dr. H. K. Raval HOD/MED	Ex-officio
25.		Member	Prof. P.R. Tailor, Professor, MED	Ex-officio
26.		Member	Prof. D. P. Vakharia Professor, MED	Ex-officio
27.		Member	Dr. S. A. Channiwala Professor, MED	Ex-officio
28.		Member	Dr. K. P. Desai Professor, MED	Ex-officio
29.		Member	Dr. R. V. Rao Professor, MED	Ex-officio
30.		Member	Dr. D. V. Bhatt Professor, MED	Ex-officio
31.		Member	Dr. Z. V. P. Murthy Professor, CHED	Ex-officio
32.		Member	Dr. P. A. Parikh Professor, CHED	Ex-officio
33.		Heads of the Department & Deans	Member	Prof P L Patel Professor, CED
34.	Member		Dr. C. D. Modhera HOD/AMD	Ex-officio
35.	Member		Dr. H. J. Nagarsheth HOD/MED	Ex-officio

36.		Member	Dr. Anandita Chawdhury HOD/EED	Ex-officio
37.		Member	Dr. U. D. Dalal HOD/ECED	Ex-officio
38.		Member	Dr. Jigisha Parikh HOD/CHED	Ex-officio
39.		Member	Dr. D. R. Patel HOD/COED	Ex-officio
40.		Member	Dean (Acad) HOD/ACD	Ex-officio
41.		Member	Dr. M. N. Mehta HOD/AM&HD.	Ex-officio
42.		Member	Dean (Acad) HOD/APD	Ex-officio
43.		Member	Dr. P. G. Agnihotri Dean (FW)	Ex-officio
44.		Member	Dr. G. J. Joshi Dean (Acad)	Ex-officio
45.		Member	Dr S A Vasanwala Dean (P &D)	Ex-officio
46.		Member	Dr Vivekanand Mishra Dean (R &C)	Ex-officio
47.		Member	Dr. D V Bhatt Dean (A&RG)	Ex-officio
48.		Member	Prof. V L Manekar Dean (SW)	Ex-officio
49.	Associate Dean	Special Invitee Member	Dr. Ravi Kant Associate Dean (SW) SVNIT, Surat	Ex-officio
50.		Special Invitee Member	Dr. Ranjeet Roy Associate Dean (P&D) SVNIT, Surat	Ex-officio
51.		Special Invitee Member	Dr. S. Kumar Associate Dean (Academics) SVNIT, Surat	Ex-officio
52.		Special Invitee Member	Dr. J. N. Sarvaiya Associate Dean (FW) SVNIT, Surat	Ex-officio

7.0 CONCESSIONS FOR SCS, STS AND HANDICAPPED STUDENTS, CONCESSIONS PROVIDED FOR STUDENTS

7.1 Concession details

- SC, ST - Rs. 740/- per month for Hosteller
- Rs. 330/-per month for Day Scholar
- OBC - Rs. 425/- per month for Hosteller
- Rs. 125/-per month for Day Scholar
- Rs. 290/- per Annum Exam fees

8.0 FINANCIAL STATUS :**8.1 Analysis of Plan and Non-Plan Grants (Received) (Rs. In Lakhs)**

Sources of fund	Non-Plan Grant (Recurring)				Plan Grant (Non-Recurring)			
	2011-12	2012-13	2013-14	2014-15	2011-12	2012-13	2013-14	2014-15
Ministry of HRD (Direct receipt)	3500.00	4200.00	4500.00	4299.52	9500.00	3249.93	8973.75	5800.00
DST Project/ BRNS Project	47.22	104.41	34.15	24.90	--	--	--	--
CSIR & Other Project	115.80	34.09	88.72	145.74	--	--	--	--
Tuition fee & other fee	1235.84	1470.73	1290.98	1433.99	--	--	--	--
Testing/Consultanc y 50% of receipt	142.80	148.80	51.47	116.10	--	--	--	--
Other Receipt & Rent from staff Qtrs., Bank/ Hostel/ Post Office/ Canteen	210.38	195.61	174.90	193.10	--	--	--	--
Total	5252.04	6153.64	6140.22	6213.35	9500.00	3249.93	8973.75	5800.00

NB: 1. The figure grants released by MHRD are accounted as per actual date of receipt in Annual Accounts in the respective financial year.

8.2 Sources of Fund**1.0 Plan**

Grant-in-aid is sanctioned by the MHRD, Govt. of India

2.0 Non-Plan

1. Grant in aid sanctioned by the MHRD, Govt. of India
2. Tuition fee received from UG/PG/PHD students
3. Rental income from staff Quarters, Hostels, Bank and Post Office
4. Interest on FDR
5. Other Misc. receipt

8.3 Expenditure Position for the year 2014-15 (Rs. In Lakhs)

Financial Year	2011-12	2012-13	2013-14	2014-15
Recurring (Non-Plan) Expenditure	4563.36	5560.36	6182.89	6954.13
Non Recurring (Plan) Expenditure	8366.02	3915.63	10159.08	9347.63
DST Projects/BRNS Projects	31.21	54.50	81.30	58.50
CSIR & Other Projects	113.84	135.14	69.08	110.65
TOTAL	13074.43	9665.63	16492.35	16470.91

(*) Some time the excess expenditure is being spent from other income e.g. Consultancy, E.M.D. collected from contractor, Security Deposit etc. and by taking loan from Corpus Fund and the same is adjusted as and when the further Grant is released from MHRD. The entire amount so collected is deposited in the same institute bank account.

9.0 CENTRAL FACILITIES AND SERVICES

9.1 Central Computer Centre

Central computer Centre, one of the premiums Central Learning Resource Centre of the institute was established in 1995. It is the heart of the computing resource of the institute as well as kernel of the internet connectivity of the institute. The Central Computer centre (CCC) primarily caters to the internet Access requirements throughout the institute as well as Campus-wide network connectivity throughout the campus (including academic & administration departments, hostels, staff quarters etc). User Account and Bandwidth are managed with the help of Cyberoam firewall. The institute has a Campus –wide fiber optic 10-gigabit network with High end Central Core switch is being utilized at primary distribution centre which caters approximate 1000 connections each. Such primary distribution centres are at Library, Gajjar Bhavan, Bhabha Bhavan, Mother Terasa Bhavan etc. Almost the entire campus is covered by LAN and the plans are in force (under execution) to further extend this network to upcoming Swami Vivekanand Bhavan (Mega Boys) hostels.

Wireless connectivity has already been deployed at academic zone (all Departments, Labs, workshop, Central Computer, Library), Hostels, Canteen etc. which is centrally controlled from Central Computer Centre. Users including Students and Staff members are provided individual login ids to use the machines for e-mail, internet browsing & general purpose programming.

The institute is the participant of MHRD, Government of India NMEICT project through which the connectivity of 1 Gbps (150 Mbps for connectivity and rest 850 Mbps is for e-content in future) is functioning. As being the mentor of NIT – Meghalaya, the similar connectivity of same 1 Gbps is availed and functioning in the institute. The internet access to the institute is also available from various vendors, who provides 16 Mbps internet bandwidth each amounting to a total of 96 Mbps.

Central Computer Centre act as a hub for on-line test of campus recruitment process of all the branches and Major National & International Conference which requires Internet and computing facilities. Centralized B.Tech Admission (JEE) and Centralized M.Tech Admission (CCMT-All branches) are conducted at Central Computer Centre.

The Central Computer Centre manages Annual maintenance of campus wide computer, laptops, UPS and peripherals. Apart from taking care of the Campus network and internet Access requirements of the institute, the Central Computer Centre also offers the well equipped computing facilities, locally in the form of five sub centres viz. Internet Access Lab 1 (60 Computers), Modern Cubical based Internet Access Lab 2 (60 Computers), Programming Lab (45 Computers), Online Virtual Classroom (60 Computers), Research scholar room (32 Computers) meant for the B.Tech, M.Tech and Ph.D sdtudents.

The Central Computer Centre has Blade Server with 14 TB of Storage space and 6 Blades on which variety of different purpose servers like WEB Server, Mail Server, DNS, NIS Server, FTP Server, DHCP Server, etc. are hosted. Most of the

dialects of the operating systems, authorized copies of almost all the common shrink-wrapped software and various Engineering application softwares are housed in the laboratories. Superb computing facilities and the abundance of all types of latest softwares are added to the glamour and grandeur of this centre.

Major activities undertaken by the Central Computer Centre in the year were 10 Gbps fiber optic connectivity in the campus, Net connectivity to Swamy Vivekanand Bhavan with capacity of approximately 950 students and development of programming Lab at ground floor with new PC and network are under consideration.

Central Computer Centre has become the prominent component of the institute, by facilitating computing and internet facilities in the institute campus. The Campus wide computer network controlled by the centre has become a backbone of the institute.

9.2 Central Library

The institute has centralized library facilities for staff and students. The collection of resources has been methodically developed through the years.

During the year (2014-2015) under report the following were added to the library.

Particulars of Reading Materials	Numbers
Books	2359
Gift Books	41
Research Proceedings	00
E-Books	232
Book Bank Books	1150
Standards	00
Bound /Back Volumes (Print)	00
Bound /Back Volumes (Online)	00
Dissertation (Print)	262
Dissertation (Online)	00

Photo Copies	00
Video Cassettes	00
CD ROM (Purchased)	24
CD ROM (Along with Books & Journals)	113
Floppy Disks	00
Audio Cassettes	00
Journals subscribed (P+O Journal)	34
CD-ROM Databases Available: Indian Standards, IEC Standards, British Standards (5 Module), British Standards (EUROCODE), ASME Standards : (Except BPVC)	
Online journals through INDEST : ACM Digital Library, ASCE, ASME Journals	
Online journals/ standards subscribed through publishers/various agency: ASCE proceedings (174 Volumes), ICE journals package (36 Journals), PROQUEST Science Journals (1620 Journals), Emerald Journals Package (67 Journals), American Mathematical Society (16 Journals), Royal Society of Chemistry (36 Journals), American Chemical Society (56 Journals), ASTM Journals (08 Journals), Taylor & Francis five subject collections (302 Journals), Science Direct (696 Journals). Springer Verlag's Link (1400+), Sage Social Science premier package (24 journals), American Physical Society (13 journals),	
Total Nos. of Online Journals:	4448+
Online Databases ASTM Standards, IEEE, MathSciNet Database, J-Gate JCCC,	

The total number of books, volumes and electronics documents in the library at the end of the year, (2014-15) are as under:

Particulars of Reading materials	Numbers
Books (purchased)	75306
Gift Books	8888
PDDC Books purchased Separately	3856

Book Bank Books	7402
Total No. of Books	95452
Particulars of other reading materials except Books	
Research proceedings	644
Standards	15844
Bound / Back Volumes (Print)	8754
Bound / Back Volumes (Online)	5395
Dissertation (Print)	1920
Dissertation (Online)	1657
Photocopies	484
Total No. of other Reading materials except Books	34,698
Actual Total No. of Volumes (Including Books)	1,30,150
ELECTRONIC DOCUMENTS	
Video Cassettes	1045
CD ROM (Purchased)	747
CD ROM (Along with Books & Journals)	3160
Floppy Diskettes (Along with Books)	656
Audio Cassettes	18
E-Books	9715
Total No. of Electronic Documents	15341
Journals subscribed (P+O Journal)	241
CD-ROM Database Available: SAE Technical Papers, SAE Emission Technology Collection, SAE Diesel Engines Technology Collection, SAE Spark- ignition Engines Technology Collection, SAE Vehicle Dynamics Technology Collection, Dissertation Abstract, EI Compendex, Chemical Engineering & Biotechnology Abstracts, Environmental Chemistry, Health & Safety, International Mechanical Abstracts, INSPEC, ICONDA, Indian Standards, Indian Patents, ASME Standards, IEC Standards, ISO Standards, British Standards (5 Module), British Standards (EUROCODE), Britannica Encyclopedia, International Union of Railways Standards.	

The total equipment available in the library is listed below:

Sr. No.	Name of the Equipment	Quantity
Computer		
1.	HCL INFINITY 2000 20 GB HD 128 MB RAM	01
2.	Desk Top B HCL infinitive pro Pentium 4	06

	80 GB Hard disk	
3.	Pentium 4, 2.6 GHz. HCI infinity GL1400	01
4.	HP Compaq EVO DX 6100 Intel Pentium 4, 3.0 HT	04
5.	Laptop HP Compaq nx6120	01
6.	IBM Think center S50U Intel Pentium 3.0MHz	01
7.	IBM Highend Server Xseries 226 Intel Xeon 2.8 Ghz dual processor 2 GB DDR	01
8.	Desktop computers 2 Duo, Model –Dell , CPU: Due E7500, Memory 4GB DDR2	04
9.	Dell Optiplex 990, 4 GB RAM, 64 bit, 310 Ghz.	15
Printer		
10.	HP Laser jet 1320 N	01
Other Equipments		
11.	Toshiba E-studio 160 Xerox machine	01
12.	Toshiba E-studio 282 Xerox machine	01
13.	Canon Colour Photocopier C2220	01
14.	Bar Code Scanner	05
15.	Color Television	04
16.	VCP	01
17.	VCR	01
18.	HP ScanJet 5590 Flatebed (digital)	01
19.	HP CD Writer 9600 Series	01
20.	UPS	04
21.	On line UPS System rating at UPS 5.0 KVA, 1ph input- 1ph output, Backup time 60 minutes, Make – Pulsive 02, Xsis 1	03
22.	RFID compatible with Libsys software with following accessories :- - RFID Tags. - Library Staff Gate -Library programming station -Self checkout and check in station -Self Management reader -Library server interface on CD media	01 unit
23.	Book drop station integrated with following accessories: -RFID Reader and antenna with multiple read/ write facility -Book drop -Receiving Cart	01 Unit

	-17" Touch screen LCD Planner -Auto cutter thermal Slip Printer -Branded CPU -LSmart client software	
24.	Self Check Out Station comprising with following accessories: -RFID Reader -LCD 17" Touch screen monitor -Branded Client PC -Auto cutter thermal printer & Kiosk shell with fittings -LSmart client software -Barcode scanner.	01 Unit
25.	LIBSYS (In Linux Platform with Internet embedded Version)	01
26.	Windows 2003 server with 5 client license	01
27.	RFID Gates (2 EAS Pedestals having 3 integrated antennas and controller – Model LSP3 Clear	01 Unit
28.	LSmart-RFID Staff Station with LSmart-Client S/w compatible with LIBSYS LMS RFID Reader LSA2-SHD Antenna LSmart-Client Software	01 Unit
29.	LSmart Self Checkout/In Kiosk in Corian -RFID reader -LCD 21" Touch screen monitor -Branded Client CPU -Auto cutter thermal printer & Kiosk shell with fittings -LSmart client software -Barcode scanner.	01 Unit
30.	LSOpac Touch Screen Kiosk	01 Unit
31.	Quick Heal Anti Virus Software (license)	15

The expenditure incurred during the year under report on the Books and Journals was Rs. 2,84,03,022 /- (LOC Fund)

In addition to LOC fund an amount of Rs. 1,04,59,209 /- was utilized for purchasing Books and other reading material from the grants for Annual Plan Grant.

In addition to the above, the Library is providing CD-ROM database searching and printing facilities. Library is also providing E-Learning Resources – (GATE

solutions) and Anti Plagiarism software (TURNITIN). The library is providing facilitates to industrialists surrounding the Surat city as individual members and also to the industrial organizations and institutions as institutional members against membership fees. At present there is 1 (one) institutional member from Larsen & Toubro Limited, Surat. The library is providing reprographic service to its users.

9.3 Laboratories

APPLIED CHEMISTRY DEPARTMENT

Following labs are there in the Department of Applied Chemistry

1. Chemistry Laboratory for UG (01) and PG (01)
2. Synthetic Lab
3. Sophisticated Instrument Lab
4. Computer laboratory

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT

Following labs are there in the Department of Computer Engineering:

1. Computer Laboratories for M.Sc. Students.
2. Computer Laboratories for Ph.D. Students.

APPLIED MECHANICS DEPARTMENT

Following labs are there in the Department of Applied Mechanics:

1. Soil Mechanics & Foundation Engineering Laboratory
2. Engineering Mechanics Laboratory

3. Experimental Stress Analysis
4. Strength of Material Laboratory
5. Cement and Concrete Laboratory
6. Prestressed Concrete Laboratory
7. Heavy Structures Laboratory
8. Computer Laboratory
9. Structural Dynamics Laboratory

CHEMICAL ENGINEERING DEPARTMENT

Following Laboratories are being used by the students of this department.

1. Heat Transfer
2. Fluid Flow Operations
3. Mass Transfer Operations
4. Chemical Reaction Engineering
5. General Chemical Technology
6. Computer Aided Design
7. Instrumentation and Process Control
8. Mechanical Operations
9. Research Lab
10. Safety and Pollution Control in Chemical Process Industries

CIVIL ENGINEERING DEPARTMENT

Following labs are there in the Department of Civil Engineering:

- (a) Water Resources Engineering Lab

- (b) Computational Hydraulics Lab
- (c) Geospatial Technologies Lab
- (d) Environmental Engineering Lab
- (e) Transportation Engineering Lab
- (f) Computer Lab
- (g) Surveying Lab
- (h) Planning Studio
- (i) Models, Building Materials & Geology Lab
- (j) Traffic Simulation Lab

COMPUTER ENGINEERING DEPARTMENT

Following labs are there in the Department of Computer Engineering:

1. Programming Laboratory
2. Network & Systems Laboratory
3. Microprocessor & Interfacing Laboratory
4. System & Software Laboratory
5. Information Security & Cloud Computing Research Laboratory
6. M. Tech. Project Laboratory
7. M. Tech. Dissertation Laboratory
8. Beginners Programming Laboratory
9. Database and Formal Software Laboratory

ELECTRICAL ENGINEERING DEPARTMENT

Following labs are there in the Department of Electrical Engineering:

1. Computer Lab

2. Control Lab
3. Testing Lab
4. Measurement Lab
5. Power Electronics Lab
6. Power System Lab
7. ET Lab
8. Project Lab
9. Applied Instrumentation Lab
10. Micro Processor Lab
11. Electrical Machine Lab
12. Drives Lab
13. High Voltage Lab
14. Renewable Energy Lab
15. DSP Lab

ELECTRONICS ENGINEERING DEPARTMENT

Following labs are there in the Department of Electronics Engineering:

1. Electronics Circuit Laboratory
2. Electronics System Design Laboratory
3. Communication Laboratory
4. Digital & Microprocessor Laboratory
5. VLSI Design Laboratory
6. Computer Systems Laboratory
7. Project Laboratory

8. Simulation Laboratory

Along with this, the planning of new laboratories in the new building is as follows:

1. Basic Electronics Lab.
2. VLSI Lab
3. Microcontroller and Embedded System.
4. Electronics System Design Lab.
5. Digital Circuit Lab.
6. Basic Communication Lab.
7. RF and Circuit Design Lab.
8. Advance Research Lab.
9. Sensor and Instrumentation.
10. Optical Fiber & Device.
11. Signal Processing Lab.
12. Simulation Lab.

MECHANICAL ENGINEERING DEPARTMENT

Following labs are there in the Department of Mechanical Engineering:

1. Fuels & Lubricants
2. Metallurgy
3. Dynamics
4. C.A.D.
5. Alternate Fuel and Energy lab.
6. Robotics

7. Drawing
8. Hydraulics & Hyd. Machines
9. I.C.A.E.
10. Refrigeration & Air Conditioning
11. Boiler House & Heat Transfer
12. Cryogenics
13. CIM
14. Machine Tools
15. Metal Forming
16. Simulation (Prod. Engg.)
17. Metrology (Mech. + Prod.)
18. Ergonomics
19. Tribo-Maintenance
20. Turbomachines
21. Reactive gas dynamics
22. Industrial Automation
23. Sophisticated Instrument Centre (Central Facility)
24. Workshop (central facility)
25. Advanced Fluid Dynamics (AFD)

APPLIED PHYSICS DEPARTMENT

Following labs are there in the Applied Physics Department:

1. B.Tech Laboratory
2. M.Sc. Electronics Laboratory

3. Research Laboratory
4. Nuclear Laboratory
5. Space Physics Laboratory
6. Stimulation Laboratory
7. M.Sc. Computer Laboratory
8. Material Science Laboratory
9. Modern Optics & Physics Laboratory
10. Nanotechnology Laboratory

10. NOTABLE ACHIVEMENTS (Few Depts like Electrical/Civil/Computer have not been covered)

10.1 Past Achievements:

APPLIED CHEMISTRY DEPARTMENT

1. Paper entitled, "Colorimetric studies of heterocyclic monoazo reactive dyes and their dyeing applications on cotton, silk, and wool fibers" authored by Nikhil M. Parekh, Kalpana C. Maheria. Research on Chemical Intermediates, March 2014, Volume 40, Issue 3, pp 1003-1019 have got space on Advances in Engineering website in October 2014 <http://advanceseng.com/chemical-engineering/colorimetric-studies-heterocyclic-monoazo-reactive-dyes-dyeing-applications-cotton-silk-wool-fibers/>
2. KCM Worked as Jury member,
3. In project proposal competition on the given topic "Engineering Solution for waste management in SVNIT on the IETE Foundation day on 2nd November, 2014 organized by student forum in collaboration with IETE Surat Sub-Centre.

4. In best poster selection at 22nd National Symposium on Catalysis, Catalysis for better tomorrow (CATSYMP 22), organized by CSIR-Central Salt and Marine Chemicals Research Institute, CSMCRI, Bhavnagar, Gujarat, during 7th – 9th January, 2015.
5. She Visited Laboratories of University of Alberta and University of Toronto, Canada in June 2015
6. She Delivered an invited talk on, "A comparative study on the acidity and adsorption / desorption properties of zeolites towards the synthesis of biologically active compounds via MCRs", at Faculty of Applied Science and Engineering, on 20th June 2014 at University of Toronto, Toronto, Ontario, Canada.
7. Delivered an invited talk on, "Catalytic Synthesis of n-Butyl Levulinate from Levulinic Acid over Various Acidic Zeolites", at Department and Chemical and Biological Engineering, on 11th July 2014 at University of Saskatchewan, Saskatoon, Saskatchewan, Canada.
8. Co-supervisor Recognition-

Recognized as Co-supervisor in M.Sc. dissertations of M.Sc. students of Pandit Deendayal Petroleum University, Gandhinagar, Gujarat and SriKrishna Institute of Shree Ramkrishna Institute of Computer Education and Applied Sciences, B/h P.T. Science College, Surat, Gujarat

Filed three patents by Dr. Bharat Dholakiya:

APPLIED CHEMISTRY DEPARTMENT		
Name	Title	Date
Dr. Bharat Dholakiya	"An improved process for the preparation of high molecular weight polylactic acid" Application No. 1348/MUM/2014.	15/04/2014
Dr. Bharat Dholakiya	"Novel biologically active maleimide compounds and use thereof" Application No. 2604/MUM/2014.	13/08/2014
Dr. Bharat Dholakiya	"Novel process for the preparation of furan	13/08/2014

	2, 5,-dione derivatives" Application No. 2607/MUM/2014.	
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APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT

1. Using the Indo-US Research Fellowship Award, Dr. R. K. Jana successfully completed the Post-Doctoral Studies at University of Illinois at Urbana-Champaign, USA.
2. Best Paper awarded to Dr. T.R.Singh in International Scientific Conference on applied Sciences and Engineering held on 20-21 December, 2014 at Kuala Lumpur, Malaysia.

CHEMICAL ENGINEERING DEPARTMENT

1. Received 5 years of accreditation for PG (Chemical Engineering Programme) Established (American Institute of Chemical Engineers) AIChE student chapter under Faculty Advisor Dr. Jigisha Parikh at ChED, SVNIT.
2. Supervised the Ph.D. thesis (of Dr. Jignasa N. Solanki) which received "IChE Award for the Year 2014: Dr A V Rama Rao Foundation's Best Ph.D. Thesis and Research Award in Chemical Engineering/Technology". It is a National Level Award given away by the Indian Institute of Chemical Engineers (IChE).
3. Supervised the Ph.D. thesis (of Dr. V.N. Lad) which received "Gandhian Young Technological Innovation (GYTI) Awards-2015", under the aegis of "Society for Research and Initiatives for Sustainable Technologies and Institutions" (SRISTI) for the work "Use of High Nutrient, Low Cost Natural Materials for Preparation of Well-Engineered Emulsions for Variety of Applications" which is based on his Ph.D. work)
4. Smitha Rajesh and Z.V.P. Murthy, Preparation and Characterization of *in situ* Ultrafiltration Membranes from Copolymers with Antioxidant, **(Won the Royal Society of Chemistry, London, Sponsored Best Paper (Poster) Award)** at the International Conference on Membrane Based Separations (MEMSEP 2015), held

at The Maharaja Sayajirao University of Baroda, Vadodara, India, during March 21-23, 2015.

5. Nominated as an Academic Member, Athens Institute for Education and Research (ATINER), Athens, Greece [6/3/2015].
6. Nominated as a Member, Indian Institute of Chemical Engineers (IICChE)-Student Chapters Activities National Committee, Kolkata, 2015.

Four Patents Awarded during the assessment period (overall 5):

1. United States Patent: USA Patent No. US 8778013B2

Title: Re-establishment of blood flow in blocked human arteries by transferring nanoencapsulated drug through medical devices, designed for the same and releasing the nanoencapsulated drug in human artery with body pH.

Inventors: Doshi Manish; Sherdiwala Divyesh; Sojitra Prakash; Vyas Ashwin; Gandhi Pankaj; **Murthy Zagabathuni Venkata Panchakshari.**

Date of Patent Awarded: 15-July-2014

2. New Zealand Patent: Patent No. 597308

Title: Re-establishment of blood flow in blocked human arteries by transferring nanoencapsulated drug through medical devices, designed for the same and releasing the nanoencapsulated drug in human artery with body pH.

Inventors: Doshi Manish; Sherdiwala Divyesh; Sojitra Prakash; Vyas Ashwin; Gandhi Pankaj; **Murthy Zagabathuni Venkata Panchakshari.**

Date of Patent Awarded: 30-October-2014

3. Australia Patent: Patent No. 2010255320

Title: Re-establishment of blood flow in blocked human arteries by transferring nanoencapsulated drug through medical devices, designed for the same and releasing the nanoencapsulated drug in human artery with body pH.

Inventors: Doshi Manish; Sherdiwala Divyesh; Sojitra Prakash; Vyas Ashwin; Gandhi Pankaj; **Murthy Zagabathuni Venkata Panchakshari.**

Date of Patent Awarded:

4. Indian Patent: 263852

Application Published in "The Patent Office Journal" (Journal No. 30/2010. Page: 21300).

Title: A process for the preparation of p-anisic acid.

Inventors: Dr. Pankaj J. Gandhi, Dr. Yogen H. Talia and Dr. Z.V.P. Murthy.

Application Number: 1043/MUM/2008 A.

Date of Filing of Application: May 15, 2008.

Date of Publication: July 23, 2010.

Date of Patent Awarded: 25/11/2014

5. South African Patent: ZA Patent No. 2011/09415

Title: Re-establishment of blood flow in blocked human arteries by transferring nano-encapsulated drug through medical devices, designed for the same and releasing the nano-encapsulated drug in human artery with body pH.

Inventors: Doshi Manish; Sherdiwala Divyesh; Sojitra Prakash; Vyas Ashwin; Gandhi Pankaj; Murthy Zagabathuni Venkata Panchakshari.

Date Patent Awarded: 29-August-2012

(Patent Journal, Vol.45 (No.8) (August 2012) Part II of II, Pages 226-227. ISSN 2223-4837. Companies and Intellectual Property Commission, Government of the Republic of South Africa) (<http://www.zaip.org/node/359>)

Dr. Jigisha Parikh

1. Visiting Faculty - University of Saskatchewan, Canada during May-June 2014.

2. Working as **InstituteCo-coordinator** for Main Phase of the National Mission Project on Education through ICT"Developing suitable pedagogical methods for various classes, intellectual calibers and research in e-learning." funded under the NMEICT scheme approved by the MHRD, Govt. of India with IIT Kharagpur as the Anchor Institution. **13 Nos. Courses for various branches have been allotted to SVNIT-Surat. (Project cost – 97 Lac).**
3. **"Chemical Reaction Engineering I"** being developed by Dr. Jigisha Parikh, Dr. Meghal Desai and Dr. G. C. Jadeja
4. **"Process Plant Safety"** being developed by Dr. Jigisha Parikh as Co-Developer with industrial expert on safety as Principal Developer.
5. **"Mechanical Operations"** by Prof. Z V P Murthy, Dr. Chetan Patel and Dr. V N Lad. **"Drying and Crystallization"** by Dr. Sanjay Patel and Dr. A K Jana.

ELECTRONICS ENGINEERING DEPARTMENT

1. Book written by Dr. U. D. Dalal on "Wireless Communication & Network" Published in Oxford University Press, January 2015 with learning Material.
2. IEEE Sponsored 2nd International Conference on ET2ECN 2014 during 26, 27th December 2014 co-ordinated by Dr. V. Mishra, Dr. U. D. Dalal, and Dr. J. N. Sarvaiya.
3. Special Visit to INS Valsura Jamnagar approved by Indian Navy on 13,14th June-2014 by Dr. (Mrs) U.D.Dalal, Dr.J.N.Patel and Dr.S.N.Shah.
4. Industrial visit to Scitech Pvt. Ltd, Indore during 24-25th September, 2014 by Dr. U. D. Dalal and Dr. P. N. Patel.
5. Patents accepted on "A Novel SLM-Deep Clipping Based PAPR Reduction Technique In DCT Precoded OFDM System" by Mrs. Shilpi Gupta, Mr. Ketan Agarwal, Dr. (Mrs.) U. D. Dalal at The Patent Office Journal, India, pp. 10369 2570/MUM/2014 A, 21st , November 2014

6. Patents accepted on "Spectrum Sensing in Cognitive Radio Network" by Dr Vivekanand Mishra, Shubhangi Mahamuni, Patent Application Publication, India, 14th , November 2014

MECHANICAL ENGINEERING DEPARTMENT

1. Dr. V. D. Kalyankar:IEI Young Engineer Award in Mechanical Engineering Discipline 2014-15 given by Institution of Engineers (India).
2. Publication of Book by Dr R V Rao : Teaching learning optimization algorithm and its engineering applications, Springer-Verlag London, UK
3. Sanction of Research project, entitled, "Use of inorganic and hybrid sorbents / exchangers for removal of toxic metals from industrial waste water" of Rs. 31.40,000 lakhs from DST in March 2015

10.2 Achievements took place during the reporting year 2014-15

(i) Publication in the International Journals / Chapter contributed in Books

APPLIED CHEMISTRY DEPARTMENT	
No	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
1.	Aniruddha Rana, Kishor Desai and Smita Jauhari, "Novel S-triazine accommodated 5-benzylidino-4-thiazolidinones: synthesis and in vitro biological evaluations", Medicinal Chemistry Research, vol. 23,(10),(2014),4320-4336.
2.	Ami H. Vyas, Smita Jauhari and Z.V.P. Murthy, "Separation of Pt(IV) from industrial wastewater using rice husk adsorbent and its derivatives", Journal of Dispersion Science and Technology, Vol.35(No.7) (2014)940-959.
3.	Yogeshwar R.Suryawanshi, Mousumi Chakraborty, Smita Jauhari, Sulekha Mukhopadhyay, K.T.Shenoy,D.Sen,"Selective Hydrogenation of Dibenzo-18-crown-6-ether over highly active monodispersed Ru/ γ -Al ₂ O ₃ , Bulletin of Chemical Reaction Engineering and Catalysis,Vol.10(1),(2015),23-29.
4.	Chhatriwala N.M., Patel A. B., Patel R. V., Kumari P.* In vitro Biological Investigations of Novel Piperazine Based Heterocycles. J. Chem. Res. Science Reviews 2000 Ltd. Vol. 38(10), 611-616, 2014.
5.	Patel A. B., Chikhalia K.H., Kumari P.* Facile synthesis of

	benzonitrile/nicotinonitrile based s-triazines as new potential antimycobacterial agents. <i>Eur. J. Med. Chem. Elsevier</i> , Vol. 79C, 57-65, 2014.
6.	Patel A. B., Chikhalia K.H., Kumari P.* Efficient palladium-catalyzed Suzuki C–C coupling of novel urea/thiourea-based quinazolines. <i>Res. Chem. Intermediat. Springer</i> , Vol. 41, 2665-2674, 2015.
7.	Darshak Bhatt, Kalpana Maheria, Jigisha Parikh, Mixed system of ionic liquid and non-ionic surfactants in aqueous media: Surface and thermodynamic properties, <i>Journal of Chemical Thermodynamics</i> , Publisher: ELSEVIER, Vol. No. 74, 2014, Pg. Nos. 184–192, 2014.
8.	Krunal Shah, Jigisha Parikh and Kalpana Maheria, "Biodiesel synthesis from acid oil over large pore sulfonic acid-modified mesostructured SBA-15: Process optimization and reaction kinetics", <i>Catalysis Today</i> , Publisher: ELSEVIER, Vol. 237, Pg. Nos. 29-37, 2014.
9.	Chowdari Ramesh Kumar N. Rambabu, K. C. Maheria, A. K. Dalai N. Lingaiah, "Iron exchanged tungstophosphoric acid supported on activated carbon derived from pinecone biomass: Evaluation of catalysts efficiency for liquid phase benzylation of anisole with benzyl alcohol", <i>Applied Catalysis A: General</i> , Publisher: ELSEVIER, 485, Pg. No. 74-83, 2014.
10.	Darshak R. Bhatt, Kalpana C. Maheria, Jigisha Parikh, A microwave assisted one pot synthesis of novel ammonium based dicationic ionic liquids, <i>RSC Advances</i> , 2015, Publisher: RSC, Vol. 5, Pg. No. 12139-12143, 2015.
11.	Darshak R. Bhatt, Kalpana C. Maheria, Jigisha Parikh, Enhanced separation of toxic Blue BG dye by cloud point extraction with IL as an additive: Effect of parameters, solubilization isotherm and evaluation of thermodynamics and design parameters, <i>Journal of Environmental Chemical Engineering</i> (2015), Publisher: ELSEVIER, Vol. 3 Pg. No. 1365-1371, 2015.
12.	K. A. Shah, J. K. Parikh, B. Z Dholakiya, K. C. Maheria, Fatty acid methyl ester production from acid oil using silica sulfuric acid: Process optimization and reaction kinetics in <i>Chemical Papers</i> , Vol. 68, Issue 4, pp 472-483, 2014.
13.	U. More, Z. Vaid,, P. Bhamoria,, A. Kumar Naved I Malek, Effect of [Cnmim][Br] Based Ionic Liquids on the Aggregation Behavior of Tetradecyltrimethylammonium bromide in Aqueous Medium, <i>J. of Solution Chemistry</i> , 44 (3-4), 850-874, 2015
14.	Zuber Vaid, Utkarsh More, Sushma P. Ijardar, Naved I. Malek, Investigation on thermophysical and excess properties of binary mixtures of imidazolium based ionic liquids at temperatures (293.15 to 323.15) K: III [Cnmim][PF6] (n = 4, 6, 8) + THF, <i>J. of Chemical Thermodynamics</i> , 86, 143-153, 2015
15.	Rakhi N. Mehta, Utkarsh More, Naved Malek, Mousumi Chakraborty, Parimal A. Parikh, Study of stability and thermodynamic properties of water-in-diesel nanoemulsion fuels with nano-Al additive, <i>Applied Nano science</i> , DOI 10.1007/s13204-014-0385-3, 2015
16.	Zuber Vaid, Utkarsh U. More, Ramesh L. Gardas, Naved I. Malek, Sushma P. Ijardar, Composition and Temperature Dependence of Excess Properties of

	Binary Mixtures of Imidazolium Based Ionic Liquids: II ([Cnmim][PF ₆]) + Propylamine, , J. of Solution Chemistry ,44 (3-4), 718-741, 2014
17.	GRC Hamilton, SK Sahoo, S Kamila, N Singh, N Kaur, BW Hyland, JF Callan, Optical probes for the detection of protons, and alkali and alkaline earth metal cations, Chemical Society Reviews, 2015, 44, 4415-4432.
18.	QT Nguyen, DW Oh, W Kim, SK Sahoo, HJ Choi, Self-Folding Deep Cavitand with Acetamidoquinoxaline Flaps: Hindered Ring Inversion of Cyclohexane in a Confined Cavity by CH- π Interaction, Asian Journal of Organic Chemistry, 2015, Accepted.
19.	S Bothra, R Kumar, RK Pati, A Kuwar, HJ Choi, SK Sahoo, Virgin silver nanoparticles as colorimetric nanoprobe for simultaneous detection of iodide and bromide ion in aqueous medium, Spectrochimica Acta Part A, 2015, 149, 122-126.
20.	S Bothra, R Kumar, A Kuwar, N Singh, SK Sahoo, Cu ²⁺ -driven selective colorimetric sensing of iodide ions and AND logic gate using citrate-capped AgNPs, Materials Letters, 2015, 145, 34-36.
21.	PN Borase, PB Thale, SK Sahoo, GS Shankarling, An "off-on" colorimetric chemosensor for selective detection of Al ³⁺ , Cr ³⁺ and Fe ³⁺ : Its application in molecular logic gate, Sensors and Actuators B: Chemical, 2015, 215, 451-458.
22.	D Sharma, A Moirangthem, SM Roy, ASK Kumar, JP Nandre, UD Patil, A Basu, SK Sahoo, Bioimaging application of a novel anion selective chemosensor derived from vitamin B ₆ cofactor, Journal of Photochemistry and Photobiology B: Biology, 2015, 148, 37-42.
23.	K Matharu, SK Mittal, SKA Kumar, SK Sahoo, Selectivity enhancement of Arsenazo (III) reagent towards heavier lanthanides using polyaminocarboxylic acids: A spectrophotometric study, Spectrochimica Acta Part A, 2015, 145, 165-175
24.	UA Fegade, SK Sahoo, A Singh, N Singh, SB Attarde, AS Kuwar, A chemosensor showing discriminating fluorescent response for highly selective and nanomolar detection of Cu ²⁺ and Zn ²⁺ and its application in molecular logic gate, Analytica chimica acta, 2015, 872, 63-69.
25.	U Fegade, S Patil, R Kaur, SK Sahoo, N Singh, R Bendre, A Kuwar, A novel chromogenic and fluorogenic chemosensor for detection of trace water in methanol, Sensors and Actuators B: Chemical, 2015, 210, 324-327.
26.	D Sharma, A Moirangthem, R Kumar, SKA Kumar, A Kuwar, JF Callan, A Basu, SK Sahoo, Pyridoxal-thiosemicarbazide: its anion sensing ability and application in living cells imaging, RSC Advances 2015, 5 (63), 50741-50746.
27.	YB Wagh, A Kuwar, SK Sahoo, J Gallucci, DS Dalal, Highly selective fluorimetric sensor for Cu ²⁺ and Hg ²⁺ using a benzothiazole-based receptor in semi-aqueous media and molecular docking studies, RSC Advances, 2015, 5 (56), 45528-45534.
28.	UN Yadav, HS Kumbhar, SS Deshpande, SK Sahoo, GS Shankarling, Photophysical and thermal properties of novel solid state fluorescent benzoxazole based styryl

	dyes from a DFT study, <i>RSC Advances</i> , 2015, 5 (53), 42971-42977.
29.	SR Patil, JP Nandre, PA Patil, SK Sahoo, M Devi, CP Pradeep, Y Fabiao, L Chen, C Redshaw, UD Patil, A uracil nitroso amine based colorimetric sensor for the detection of Cu ²⁺ ions from aqueous environment and its practical applications, <i>RSC Advances</i> 5 (28), 21464-21470.
30.	D Mahajan, N Khairnar, B Bondhopadhyay, SK Sahoo, A Basu, J Singh, N Singh, R Bendre, AKuwar, A highly selective fluorescent 'turn-on' chemosensor for Hg ²⁺ based on a phthalazin-hydrazone derivative and its application in human cervical cancer cell imaging, <i>New Journal of Chemistry</i> , 2015, 39 (4), 3071-3076.
31.	S Patil, R Patil, U Fegade, B Bondhopadhyay, U Pete, SK Sahoo, N Singh, A Basu, R Bendre, A Kuwar, A novel phthalazine based highly selective chromogenic and fluorogenic chemosensor for Co ²⁺ in semi-aqueous medium: application in cancer cell imaging, <i>Photochemical & Photobiological Sciences</i> , 2015, 14 (2), 439-443.
32.	N Khairnar, K Tayade, SK Sahoo, B Bondhopadhyay, A Basu, J Singh, N Singh, V Gite, A Kuwar, A highly selective fluorescent 'turn-on' chemosensor for Zn ²⁺ based on a benzothiazole conjugate: their applicability in live cell imaging and use of the resultant complex as a secondary sensor of CN ⁻ , <i>Dalton Transactions</i> 2015, 44 (5), 2097-2102.
33.	A Kuwar, R Patil, A Singh, SK Sahoo, J Marek, N Singh, A two-in-one dual channel chemosensor for Fe ³⁺ and Cu ²⁺ with nanomolar detection mimicking the IMPLICATION logic gate, <i>Journal of Materials Chemistry C</i> 2015, 3 (2), 453-460.
34.	R Patil, U Fegade, R Kaur, S K Sahoo, N Singh, A Kuwar, Highly sensitive and selective determination of Hg ²⁺ by using 3-((2-(1H-benzo [d] imidazol-2-yl) phenylimino) methyl) benzene-1, 2-diol as fluorescent chemosensor and its application in real water sample, <i>Supramolecular Chemistry</i> , 2015, 27, 527-532.
35.	B. S. B. Kasibabu, J. R. Bhamore, S. L. D'souza, K. Suresh Kumar, Dicoumarol assisted synthesis of water dispersible gold nanoparticles for colorimetric sensing of cysteine and lysozyme in biofluids, <i>RSC Advances</i> , 5, 39182–39191, 2015. (IF 3.708)
36.	K. Suresh Kumar and H. F. Wu, Nanomaterials-based miniaturized extraction and preconcentration techniques coupled with matrix-assisted laser desorption/ionization mass spectrometry for biomolecules assays, <i>Trends in Analytical Chemistry</i> , 65, 54-72, 2015. (IF 6.612).
37.	Vaibhavkumar N. Mehta, Hiren Basu, Rakesh Kumar Singhal, K. Suresh Kumar, Simple and sensitive colorimetric sensing of Cd ²⁺ ion using chitosan dithiocarbamate functionalized gold nanoparticles as a probe, <i>Sensors and Actuators B: Chemical</i> , 220, 850–858, 2015, (IF3.840).
38.	Vaibhavkumar N. Mehta, Rakesh Kumar Singhal, K. Suresh Kumar, A molecular assembly of piperidine carboxylic acid dithiocarbamate on gold nanoparticles for the selective and sensitive detection of Al ³⁺ ion in water samples, <i>RSC Adv.</i> , 5, 33468-33477, 2015. (IF: 3.708).
39.	Vaibhavkumar N. Mehta, Sanjay Jha, Hirakendu Basu, Rakesh Kumar Singhal, K.

	Suresh Kumar, One-step hydrothermal approach to fabricate carbon dots from apple juice for imaging of mycobacterium and fungal cells, <i>Sensors and Actuators, B</i> , 213, 434-443, 2015. (IF: 3.840).
40.	Jigna Bhamore, Karuna A. Rawat, Hirakendu Basu, Rakesh Kumar Singhal, K. Suresh Kumar, Influence of molecular assembly and NaCl concentration on gold nanoparticles for colorimetric detection of cysteine and glutathione, <i>Sensors and Actuators B: Chemical</i> , 212, 526-535, 2015. (IF3.840).
41.	Karuna A Rawat, Hirakendu Basu, Rakesh Kumar Singhal, K. Suresh Kumar, Simultaneous colorimetric detection of four drugs in their pharmaceutical formulations using unmodified gold nanoparticles as a probe, <i>RSC Advances</i> , 5, 19924-19932, 2015. (IF3.708).
42.	Vaibhvkumar N. Mehta, K. Suresh Kumar, Malonamide dithiocarbamate functionalized gold nanoparticles for colorimetric sensing of Cu ²⁺ and Hg ²⁺ ions, <i>RSC Advances</i> , 5, 4245-4255, 2015. (IF: 3.708).
43.	Gaurang M Patel, Jigneshkumar V Rohit, Rakesh Kumar Singhal, K. Suresh Kumar, Recognition of carbendazim fungicide in environmental samples by using 4-aminobenzenethiol functionalized silver nanoparticles as a colorimetric sensor, <i>Sensors and Actuators B: Chemical</i> , 206, 684-691, 2015. (IF: 3.840)
44.	Vaibhvkumar N.Mehta, Sanjay Jha, Rakesh Kumar Singhal, K. Suresh Kumar, Preparation of multicolor emitting carbon dots for HeLa cell imaging, <i>New Journal of Chemistry</i> , 38, 6152-6160, 2014. (IF: 3.159).
45.	Jigneshkumar V Rohi, K. Suresh Kumar, Cyclen dithiocarbamate-functionalized silver nanoparticles as a probe for colorimetric sensing of thiram and paraquat pesticides via host-guest chemistry, <i>Journal of Nanoparticle Research</i> , 16, 1-16, 2014. (IF2.278)
46.	B.Z Dholakiya, T. S. Gandhi, M. R. Patel, Synthesis and characterization of different types of epoxide-based Mannich polyols from low-cost cashew nut shell liquid, <i>Res Chem. Intermed</i> , Vol. 40, Issue 3, pp 1223-1232, 2014.
47.	B.Z Dholakiya, J. Patel, M. Malani, G. Andrei, J. Balzarini, R. Snoeck, An Efficient Synthesis and Antiviral Activity Evaluation of 1-[4-(5-Phenyl- 4, 5 dihydro-1H-pyrazole [& (4, 5 dihydroisoxazole)]-3-yl)-phenyl]-pyrrole-2, 5-dione derivatives in Anti-Infective Agents, <i>Bentham Science, Anti-Infective Agents</i> , Vol. 12, (1), 2014.
48.	B.Z Dholakiya, B. D. Dhorajiya, A. S. Ibrahim, F. A. Badria, Design and synthesis of novel nucleobase based barbiturate derivatives as potential anticancer agents, <i>Medicinal Chemistry Research</i> , Vol. 23, 839-847, 2014.
49.	B. Z Dholakiya, B. D. Dhorajiya, Green Chemistry Multi-Component Protocol for Formylation and Knoevenagel Condensation for Synthesis of (Z)-5-arylaminomethylene pyrimidine 2, 4, 6-trione Derivatives in Water, <i>Green Chemistry Letters and Reviews</i> , Vol. 7, No. 1, 1-10, 2014.
50.	B.Z Dholakiya, R. M. Mohareb, B. D. Dhorajiya, "Hybrid Probes of Aromatic Amine and Barbituric Acid: Highly Promising Leads for Antibacterial, Antifungal and Anticancer Activities" in <i>Medicinal Chemistry Research</i> , Vol. 23, Issue 9, pp

	3941-3952, 2014.
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1.	Independently Tunable Coupled Electron Quantum Layers Mukesh G Nayak and L. K. Saini Solid State Phenomena Vol. 209 (2014) pp 98 - 101
2.	Spin-Polarized Electron-Hole Quantum Bilayer: Finite Layer Width and Mass-Asymmetric Mukesh G Nayak and L. K. Saini European Physical journal B (EPJB), 86:84
3.	Masses and electromagnetic transitions of the Bc mesons N Devlani, V Kher, AK Rai The European Physical Journal A 50 (10), 1-7
4.	Title: Structure investigation of Co_xO_y^+ ($x=3-6, y=3-8$) clusters by IR vibrational

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25.	Title: Structure, Electronic Properties and Aromaticity of $M_3N@C_{80}$ and $M_2C_2@C_{82}$ (M=Sc, Y): A Density Functional Study Auth: E. V. Shah and D. R. Roy* Ref. Physica E (Elsevier Science), 2015, 70, 157-164 ISSN: 1386-9477 (SCI Journal)
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1.	Sunil R. Mistry and Kalpana C. Maheria, Oral Presentation: Presented a paper entitled, "A comparative study on the acidity and adsorption / desorption properties of zeolites towards the synthesis of medicinally active compounds via MCRs" at National Conference on Current Innovation in Chemical Research (NCCICR- 2014), K. J. Somaiya college, Koporgaon, Maharashtra , 22 nd – 23 rd December 2014.
2.	Manojkumar K. Rathod, <u>Kalpana C. Maheria</u> , Suban K. Sahoo, Heterogeneous one pot synthesis of quinoline substituted dihydropyridines using Zeolite BEA-SO ₃ H Catalyst: DFT and bioassay studies", at 22 nd National Symposium on Catalysis, Catalysis for better tomorrow (CATSYMP 22), organized by CSIR-Central Salt and Marine Chemicals Research Institute, CSMCRI, Bhavnagar, Gujarat , during 7 th – 9 th January, 2015.
3.	B.Z Dholakiya, G. Chawada, Effect of Prehydrolyzed Tetraethoxysilane addition in organic-inorganic hybrid films applied on aluminum alloy, National Conference on Innovations and Recent Trends in Drug Discovery Techniques, Radio-Labeling and Applied Science Research, Dept of Chemistry and Maliba Pharmacy College, UkaTarsadia University, Bardoli, , 2015

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT	
No	/* Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	Twinkle Singh, Solution of infiltration phenomenon of groundwater flows by

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4.	Twinkle Singh, A Note on Burger's equation for irradiation of tumour tissue in biological systems by using Homotopy analysis method, National Conference on Thermal, Fluid and Manufacturing Science, 24-25 Jan, 2014, Surat, Gujarat, India.
5.	Participated in National conference on Advances in Mathematics held at Hansraj College, University of Delhi during March 7-8, 2014.
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7.	J.M.Dhodiya, An algorithm to solve multi-objective interval assignment problem by estimation theory, National Conference on Applied Statistics and mathematics, Department of Statistics and Computer Application, T.M.Bhagalpur University, Bhagalpur, Bihar, India
8.	J.M.Dhodiya, Jignasha Patel, Grey Situation Decision-Making Theory Based Approach to Solve Multi-Objective Transportation Problem, Department Of Mathematics, C.U. Shah University, Wadhwan City

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1.	Chandra. B, Vinod Kumar. A, Dr. Solanki C. H , Dr. Vasanwala. S. A., (2015) "Critical Analysis of Compression Behaviour of Soft Soils", National Conference on Research Trends in Civil Engineering, Dept. of Civil Engineering, HJD Institute of Technical Education and Research, Kera-Kutch, Bhuj, Gujarat, India, 22nd - 24 th , April 2015. (Best Paper Award)
2.	Jaymin D Patil, Dr. Sandeep A Vasanwala, Dr. Chandresh H Solanki , (2015) "An Experimental Study on Behaviour of Piled Raft Foundation", 5 th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
3.	Chavda Jitesh, Solanki C.H. , Desai A. K., (2015) "Physical and numerical study on behaviour of pile wall retention system for deep excavations", 5 th Young Indian

	Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
4.	Shukla S.J., Desai A.K., Solanki C.H. , (2015) "A study of behaviour of Piled raft foundation for tall building with variable sub soil by time history: Fem Model", 5 th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
5.	Yogendra Tandel, Chandresh Solanki , Atul Desai, (2015) "Full Scale load tests on geosynthetic reinforced stone column", 5 th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
6.	Athani. S. S, A. Ghorpade, C. H. Solanki , (2015) "A review: Factors affecting the safe performance of a dam", 5 th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
7.	Chandra. B, Solanki C. H. , Eswara Rao. S. and Harshavardhan Reddy. M., (2015) "Effect of Fine Fraction on Engineering Behaviour of Tropical Residual Soil", 5 th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
8.	Athani. S. S., Budde.S, Shivamanth, Chandra. B and C. H. Solanki , (2015) "Numerical Analyses on Effects of Cutoff Wall Beneath Dam Using Fem", 5th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India
9.	Athani.S.S, C. H. Solanki , G. R. Dodagoudar, (2015) "Soil- Structure Interaction of buildings on sloping ground subjected to seismic excitation", 5th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
10.	Dr. Siddharth G. Shah, Dr. C. H. Solanki , (2015) "Seismic response of cable-stayed bridge with intermediate side span support including soil-structure interaction", 5th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
11.	Athani.S.S, A. Ghorpade, C.H. Solanki , (2015) "Experimental Study on compaction characteristics of black cotton soil using Lime and Jute", 5th Young Indian Geotechnical Engineers Conference 2015 March 14-15, 2015, Vadodara, India.
12.	Shivakumar. S. Athani, Shridhar. S. Pujar, C.H. Solanki , (2015) "Use of Geosynthetics in the Foundation System and Road Construction for Mechanical Stabilization and Reinforcement Purpose", Geotechnical for Inclusive Development of India (GEOIND, Proceeding of Indian Geotechnical Conference, IGS Kakinada Chapter, IGS 2014, pp: 1130-1134, 18 th -20 th December 2014.
13.	Chavda. J. T., Solanki. C. H. , Desai. A. K., (2014) "Stady on Beaviour of Diaphragm Wall Used as Retention Stytem for Deep Excavations", Geotechnical for Inclusive Development of India (GEOIND, Proceeding of Indian Geotechnical Conference, IGS Kakinada Chapter, IGS 2014, pp: 1510-1515, 18 th -20 th December 2014.

CHEMICAL ENGINEERING DEPARTMENT	
No	/*Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	Smitha Rajesh, Z. V. P. Murthy, PS/PET Copolymer Based Asymmetric Polymeric Membranes: Influence of Antioxidant, Proceedings of of Trombay Symposium on Desalination and Water Reuse (TSDWR 2015), 22-23 January 2015, Organized by Board of Research in Nuclear Sciences (BRNS) Government of India & Indian Desalination Association, at Bhabha Atomic Research Centre (BARC), Mumbai. (Eds: P.K. Tewari, R.C. Bindal, H.S. Sodaye, S.A. Tiwari, Saurabh, Saikiran Kaza, Vijay Mamtani, Nitesh Goswami), Pp.189-198.
2.	Jainesh H. Jhaveri, Z. V. P. Murthy, Nanocomposite Membranes, Proceedings of Trombay Symposium on Desalination and Water Reuse (TSDWR 2015), 22-23 January 2015, Organized by Board of Research in Nuclear Sciences (BRNS) Government of India & Indian Desalination Association, at Bhabha Atomic Research Centre (BARC), Mumbai. (Eds: P.K. Tewari, R.C. Bindal, H.S. Sodaye, S.A. Tiwari, Saurabh, Saikiran Kaza, Vijay Mamtani, Nitesh Goswami), Pp.223-240.
3.	Smita Gupta, Mousumi Chakraborty, Z.V.P. Murthy, Stability Study of Emulsion Liquid Membrane for the Removal of Bisphenol A from Aqueous Solutions, Proceedings of Trombay Symposium on Desalination and Water Reuse (TSDWR 2015), 22-23 January 2015, Organized by Board of Research in Nuclear Sciences (BRNS) Government of India & Indian Desalination Association, at Bhabha Atomic Research Centre (BARC), Mumbai. (Eds: P.K. Tewari, R.C. Bindal, H.S. Sodaye, S.A. Tiwari, Saurabh, Saikiran Kaza, Vijay Mamtani, Nitesh Goswami), Pp.348-355. (Received 3rd Best Poster Paper Award) .
4.	Swati Sharma, Mausumi Mukhopadhyay, Z.V.P. Murthy, Identification of Reaction Products in UV-Organic Oxidant Assisted CP Congener Degradation in Wastewaters, Presented at the "CHEMCON-2014", the 67 th Annual Session of the Indian Institute of Chemical Engineers, held during December 27-30, 2014 at Dr. S. S. Bhatnagar University Institute of Chemical Engineering & Technology, Panjab University, Chandigarh. (ES/0087)
5.	Nishant Srivastava, Sonia Lakhotia, and Mausumi Mukhopadhyay , (2015), "Iron oxide nanocomposite membrane for salt rejection", Published in Proceeding of the Trombay Symposium on Desalination and Water Reuse (TSDWR 2015), Homi Bhabha Centre for Science Education, Mumbai, India. 199-205.
6.	Nishant Srivastava and Mausumi Mukhopadhyay , (2015), "Photocatalytic degradation of 2,4 dichlorophenol using biosynthesized SnO ₂ nanoparticles", Published in Proceeding of 67 th Annual Session of Indian Institute of Chemical Engineers (CHEMCON 2014), Panjab University, Chandigarh, India. 1197-1198.
7.	Swati Sharma, Mausumi Mukhopadhyay and Z. V. P. Murthy (2014). "Identification of reaction products in UV-organic oxidant assisted CP congener degradation in wastewater". Published in Proceeding of 67 th Annual Session of

	Indian Institute of Chemical Engineers (CHEMCON 2014), Panjab University, Chandigarh, India. 597-598.
8.	Paritosh Agnihotri and V. N. Lad, Membrane-less Fuel Cells: Microfluidic Fuel Cells, Proceedings of 3 rd Afro-Asian International Conference on Science, Engineering and Technology, Part-I, Akshar Publication, 47-49, 2015.
9.	Yadav, T., Mungray, A.A., and Mungray, A. K. Fabricated Nanoparticles: Current Status and Potential Phyto-toxic Threats, A Review. Reviews of Environmental Contamination and Toxicology. 230(2014).
10.	Ankeet Lambole and V. N. Lad, Swelling Characteristics of Nanoparticle Embedded Hydrogels, 8 th National Symposium on Complex Fluids – 2014, Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalore.
11.	Swati Ralekar and V. N. Lad, Importance of Microfluidics in Chemical Engineering, CHEMIX'15 – A National Conference on Inter-& Intra- Disciplinary Blend of Chemical Engineering, Organized by IChE Nagpur Regional Centre in association with IChE students' chapter, VNIT-Nagpur.
12.	Sagar Kapadiya, Meghal A. Desai; Solar drying of natural and food products: a review; International Conference on Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change Sustainable Approaches (AFHAFBC-2014), Krishi Sanskriti, New Delhi, India; August, 2014.
13.	Miral R. Thakker, Meghal A. Desai, Jigisha K. Parikh; Extraction of phytochemicals using neoteric solvents; World Congress on "Agriculture, Forestry, Horticulture, Aquaculture, Animal Sciences, Food Technology, Biodiversity and Climate Change: Sustainable Approaches (AFHAFBC-2014), Krishi Sanskriti, New Delhi, India; December, 2014.
14.	Sagar Kapadiya, Meghal A. Desai; Recent advancement in predictive modelling for phytochemical extraction using artificial neural network; Afro - Asian International Conference on Science, Engineering & Technology, Bharuch, India, 2015.
15.	Smita Gupta, Mousumi Chakraborty, Z.V.P. Murthy, Stability Study of Emulsion Liquid Membrane for the Removal of Bisphenol A from Aqueous Solutions, Proceedings of of Trombay Symposium on Desalination and Water Reuse (TSDWR 2015), 22-23 January 2015, Organized by Board of Research in Nuclear Sciences (BRNS) Government of India & Indian Desalination Association, at Bhabha Atomic Research Centre (BARC), Mumbai. (Eds: P.K. Tewari, R.C. Bindal, H.S. Sodaye, S.A. Tiwari, Saurabh, Saikiran Kaza, Vijay Mamtani, Nitesh Goswami), Pp.348-355.

CIVIL ENGINEERING DEPARTMENT	
No	/*Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	Dr. K.A.Chauhana, Dr (Mrs.) A.K.Khambete and Shri. Partha Tripathy, "Sustainable & Smart Cities – need sustainable & smart financing", National Conference on Sustainable & Smart Cities 2015: SSC-15, PG-Section (Urban Planning), SVNIT,Surat, Civil Engg. Dept,Svnit , Surat, 10-11 April 2015.
2.	Dr. Ashish Dhamaniya, "Modelling Speed on 4-Lane Urban Arterials under Mixed Traffic Conditions", Recent Advances in Traffic Engineering (RATE) Organised by SVNIT Surat in July 2015.
3.	Dr. Ashish Dhamaniya, "Time Occupancy as Measure of PCU for Four-Legged Roundabouts", Recent Advances in Traffic Engineering (RATE) Organised by SVNIT Surat in July 2015.
4.	Dr. Ashish Dhamaniya, "Saturation Flow Study at Signalized Intersections under Mixed Motorised Traffic Conditions", Recent Advances in Traffic Engineering (RATE) Organised by SVNIT Surat in July 2015.
5.	Mr. Ankitkumar V. Mehta, Shri. Ravin M. Tailor, "Study on Transfer of Development Rights", Proceedings of National Conference on Recent Advances in Civil and Structural Engineering, (RACSE-'14), Organized by A. D. Patel Institute of Technology and Birla Vishvakarma Mahavidyalaya (Engineering College), pp.48, 25 th – 26 th April 2014, ISBN : 978-81-927554-1-0
6.	Vashi Jigisha, Tailor Ravin, Sundararaman Babu, "Geotextile Reinforced Embankment as a Cost Effective Alternative to Reinforced Earth wall on Difficult Subsoil Condition", Proceedings of 5th Indian Young Geotechnical Engineers Conference, Organized by Indian Geotechnical Society – Baroda Chapter, Vadodara In Association with The Institution of Engineers, Vadodara Local Center & The M S University of Baroda, Vadodara, pp.79-80, 14-15 March 2015, ISBN (2015): 978-1-4276-5527-1
7.	Chetan R Patel and Dr G.J. Joshi , Effect of non motorized traffic on stream speed of urban arterial road in Indian context National Conference And Workshop On Recent Advances In Traffic Engineering (RATE 15) July 03-04,2015 Civil Engineering Department, SVNIT, Surat, Gujarat.
8.	Chetan R Patel Smart Cities: Issues and Challenges in Indian Context, First National Conference on SUSTAINABLE AND SMART CITIES (SSC-15) 10–11 April, 2015 (Sponsored under TEQIP-II)
9.	Chetan R Patel Role of urban planner in disaster mitigation, ICGS-2015 conference on "Gujarat Model of Governance: Lessons & Future Scope" 25-26/04/ 2015.
10.	Zope Rupali, Arkatkar S., Joshi G. J., "Smart and Sustainable Mobility Solution in Urban Areas:A comparative study and proposed research framework", National Conference of Sustainable and Smart Cities (SSC-15), SVNIT, Surat, P 51-59,

	2015.
11.	Shirke Chaitrali, G. J. Joshi, Vijaya Lakshmi Kandala, Shriniwas Arkatkar, Raghu Naik " Overview of smart city concept and its implementation in India" National Conference on Sustainable & Smart Cities -2015 (SSC-15), CED, NIT Surat, India, 2015
12.	Jabeena, M, Joshi, G. J., Arkatkar, S., Ravinder, K. "Study On Traffic Characteristics On Expressway - A Case Study Of Mahatma Gandhi Expressway" Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut, India, 2014
13.	Amol Wagh, Joshi, G. J., "Study On Travel Time Reliability Indices For An Arterial Road In Surat City" Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut, India, 2014
14.	Jiten Shah, Joshi, G. J, Purnima Parida and S S Arkatkar "Pedestrian Flow Behavior Analysis For Stairway At Busy Suburban Rail Transit Station In India" Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut, India, 2014
15.	Manish jain, S S Arkatkar and Joshi, G. J "Effect of road gradient on truck acceleration characteristic using mechanistic approach" Colloquium on Transportation Systems Engineering and Management CTR, CED, NIT Calicut, India, 2014.

COMPUTER ENGINEERING DEPARTMENT	
No	/* Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	Aadesh M Bagmar and Mukesh A. Zaveri, Real-Time Facial Expression Recognition using Eigen Faces, Proceedings of 102nd Indian Science Congress on Science & Technology for Human Development (ISC - 2015), 3-7 January 2015, Mumbai, India.
2.	Udai Pratap Rao, An Exploration to Privacy issues in Location Based Services, 3rd Security and Privacy Symposium, IIIT –Delhi, February 13 - February 14, 2015
3.	Sankita Patel and Devesh Jinwala, Approaches for Privacy Preserving Distributed Clustering in Semi-honest and Malicious model, 9th Inter-Research-Institute Student Seminar in Computer Science (IRISS-2015), (co-located with the ACM India Annual event 2015), Goa, February 5, 2015.
4.	Kaushal Shah, Devesh C Jinwala. "An Expansive Aggregation Scheme for Confidentiality in Linear Wireless Sensor Networks", in Proceedings of the 15 th National Workshop on Cryptology; Organized by the Cryptology Research Society of India and the School of Computer Engineering, KIIT University, Bhubaneswar, Odisha, Sep 2015.
5.	S. Surati, Devesh C. Jinwala, and S. Garg. "Investigating Approaches for Optimizing Multidimensional Query Search using Multiway Tress in Peer-to-

	Peer Networks". Poster presented at IRISS '15: Inter-Research-Institute Student Seminar in Computer Science, ACM Annual India Event, BITS Pilani, Goa, India
6.	Rashmi Phalanikar, Devesh C Jinwala, "Investigating Approaches for Optimizing Multidimensional Query Search using Multiway Tress in Peer-to-Peer Networks". Poster presented at IRISS '15: Inter-Research-Institute Student Seminar in Computer Science, ACM Annual India Event, BITS Pilani, Goa, India
7.	Nirali Nanavati, Devesh C Jinwala. "Investigating Privacy Preserving Approaches For Collaborative Association Rule Mining" 4 th IDRBT PhD Colloquium, IDRBT, Hyderabad, 2014.
8.	Keyur Parmar Devesh C Jinwala. "End to End Secure Data Aggregation in Wireless Sensor Networks." ICISS PhD Colloquim, ICISS 2014 at IDRBT, Hyderabad, 2014

ELECTRICAL ENGINEERING DEPARTMENT

No	/*Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	Bhim Singh, Sabha Raj Arya , Chinmay Jain, Sagar Goel, Ambrish Chandra, and Kamal Al-Haddad, Four leg VSI based active filter in distribution system" in <i>Proc. of National Power System conference</i> , Dec. 2014, pp.1-6
2.	Bhim Singh, Krishan Kant Bhalla and Sabha Raj Arya , "Voltage Sensorless control algorithm for power quality improvement in distribution network" in <i>Proc. of National Power System conference</i> , Dec. 2014, pp.1-6

ELECTRONICS ENGINEERING DEPARTMENT

No	/*Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
NIL	

MECHANICAL ENGINEERING DEPARTMENT

No	/*Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	Ajit Dhanawade, and S.Kumar, Abrasive water jet machining of metals, hard to cut materials and composites: A review, 4 th National Conf. on Recent Advances in Manufacturing, SVNIT, Surat, 191-196, June 26-28, 2014.
2.	S. Kashid, and S.Kumar, CDCOMP: An expert system for selection of components of compound die, 4th National Conf. on Recent Advances in Manufacturing, SVNIT, Surat, 207-212, June 26-28, 2014.
3.	S. Kashid, and S.Kumar, Prediction of life of stripper using Artificial Neural Network (ANN), 4th National Conf. on Recent Advances in Manufacturing, SVNIT, Surat, 213-218, June 26-28, 2014.

4.	P. B. Gujarati, K. P. Desai, H. B. Naik and M. D. Atrey, "Numerical modeling of GM type orifice pulse tube cryocooler", presented at Twenty Five National Symposium on Cryogenics (NSC-25), held at University of Hyderabad, Hyderabad, India, DEC (8-10), 2014.
5.	A. B. Desai, K. P. Desai, H. B. Naik and M. D. Atrey, "Design and analysis of standing wave quarter wavelength thermo acoustic engine", presented at Twenty Five National Symposium on Cryogenics (NSC-25), held at University of Hyderabad, Hyderabad, India, DEC (8-10), 2014.
6.	Sudhanshu Kumar, Harshit K. Dave, K. P. Desai, "Effect of pulse duration on machining of AISI 304 utilizing radial tool orbiting technique in EDM process" presented in Proceeding of National Conference on Recent Advances in Manufacturing at SVNIT, Surat, 2015.
7.	Mathai V. J., Sudhanshu Kumar, Harshit K. Dave, Desai K. P., "Machining/Processing of Shape Memory Alloys – A Review" presented in Proceeding of National Conference on Recent Advances in Manufacturing at SVNIT, Surat, 2015.
8.	Patankar, A., Makwana, A. B., Bose, M: Dune formation in horizontal pneumatic conveying system, 5th International and 41st National Conference on Fluid Mechanics and Fluid Power, FMFP, 2014, Dec., 12-14, 2014.
9.	R. J. Bhatt, H K Raval, "Finite Element Analysis of Trash Bin used for Metal Scrap Disposal", Proceeding of 4th National Conference on Recent Advances in Manufacturing, SVNIT, Surat, 2014
10.	Kagzi S A, A H Gandhi, H K Raval, "Effect of material properties on springback of layered strip: An analytical study, Proceedings of first national conference on thermal fluid and manufacturing science (TFMS2012-1117), pp. 398-402, 2014
11.	Rajkamal Shukla, Dinesh Singh, Investigations of performance parameters parameter on Electric Discharge Machining (EDM) using particle swarm optimization (PSO), 4 th National Conference on "Recent Advances in Manufacturing (RAM-2014)", ISBN: 975-93-5156-755-4, SVNIT Surat, 26-28 June 2014.
12.	Rajkamal Shukla, Dinesh Singh, Investigations of performance parameters parameter on Electromicro Mechanical Machining (EMM) using genetic algorithm, 4 th National Conference on "Recent Advances in Manufacturing (RAM-2014)", ISBN: 975-93-5156-755-4, SVNIT Surat, 26-28 June 2014.
13.	Supriya Ingole, Dinesh Singh, Facility layout problem solving using genetic algorithm, 4 th International Conference of GEMS on Advances in Mathematical Modeling to Real World Problems, ISBN: 978-81-928100-5-8, SVNIT Surat, 3-6 Oct. 2014.
14.	Rajkamal Shukla, Dinesh Singh, Performance Parameter Optimization of Electrical Discharge machining using Genetic Algorithm, International Colloquium on Materials, Manufacturing and Metrology, ISBN 978-93-80689-18-0, IIT Madras, 8-9 August, 2014
15.	Rajkamal Shukla, Dinesh Singh, Performance parameter optimization of

electrochemical micromachining (EMM) using Particle swarm Optimization, International Colloquium on Materials, Manufacturing and Metrology, ISBN 978-93-80689-18-0, IIT Madras, 8-9 August, 2014
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APPLIED PHYSICS DEPARTMENT	
No	/* Authors, Title of the Paper, Proceeding of the conference, Publisher, Page nos, Year*/
1.	<u>Molecular like states in charmonium sector</u> DP Rathaud, AK Rai Proceedings of the DAE Symp. on Nucl. Phys 59, (2014) 630
2.	<u>Masses and decay rates of Charmonia</u> Z Marfatia, AK Rai Proceedings of the DAE Symp. on Nucl. Phys 59,(2014) 654
3.	Unusual photoluminescence behavior of CH ₃ NH ₃ PbI ₃ thin-films", Vipul Kheraj ^{1,2} , Brian Simonds, Athena Shahrabi, Peter Peroncik, Chuang Zhang, Z.V. Vardeny, Mike Scarpulla, International Conference on Hybrid and Organic Photovoltaics, Rome, Italy, 10th to 14th May 2015.
4.	Y. A. Sonvane , P. B. Thakor, P. N. Gajjar and A. R. Jani, Temperature Dependent Surface Properties of Liquid Alkali Metals, Solid State Phenomena, 209, 44 (2014)
5.	P. B. Thakor, J. J. Patel, Y. A. Sonvane , P. N. Gajjar and A.R. Jani, Electrical Resistivity of Ni-Cr Liquid Binary Alloy, Solid State Phenomena, 209, 233 (2014)
6.	Y. A. Sonvane , P. B. Thakor, P. N. Gajjar, Structural and Dynamical Properties of Liquid Sn, AIP Conference Proceeding, 1661, 110021 (2015) -
7.	H. P. Patel, P. B. Thakor, Y. A. Sonvane , Shear Viscosity Coefficient of Liquid Lanthanides, AIP Conference Proceeding, 1661, 110012 (2015)
8.	H. P. Patel, P. B. Thakor and Y. A. Sonvane , Thermodynamical properties of liquid lanthanides-A variational approach, AIP Conf. Proc. 1665, 110006 (2015)
9.	Yogesh Sonvane , Sanjeev K. Gupta, Pooja Raval, Igor Lukačević, Pankajsinh B. Thakor, Length, width and roughness dependent thermal conductivity of graphene nanoribbons, Chemical Physics Letters, 634, 16 (2015)

Conference/Workshop/Seminar/Symposium/Short Term Programmes Organized at SVNIT

APPLIED CHEMISTRY DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. Premlata Kumari	Advanced Analytical Techniques for Materials Characterization (AATMC-	TEQIP-II	23-27 February'2015

		2015)		
2.	Dr. Kalpana Maheria (As Faculty I/C)	Two days Course Curriculum Revision Workshop during 16 th - 17 th January 2015, on Five Years Int. M.Sc. in Chemistry, at Department of Applied Chemistry Department, SVNIT, Surat, Gujarat, India.	TEQIP-II	16 th - 17 th January 2015
3.	Dr. Kalpana Maheria (As Convener)	Five days workshop on Advanced Analytical Techniques for Material Characterization during 23 rd - 27 th February 2015, at Department of Applied Chemistry, SVNIT, Surat, Gujarat.	TEQIP-II	23 rd - 27 th February 2015
4.	Dr. Bharat Dholakiya	SHORT TERM TRAINING PROGRAMME (STTP) on "Advanced Analytical Techniques for Materials Characterization (AATMC-2015)"	TEQIP-II	23 rd - 27 th February 2015
5.	Dr. Ketan Kuperkar	Advanced Analytical Techniques for Materials Characterization (AATMC-2015)	TEQIP -II	23 rd - 27 th February 2015

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Twinle Singh	As a Co-ordinator in TEQIP Sponsored Two Days National workshop on Computational Fluid Dynamics for Engineers and Scientists during 20-21 June 2014.	Under TEQIP	20-21 June 2014.
2.	Dr. V.N. Mishra	Applications of Fixed point theory and Nonlinear analysis for Engg. & Sciences (AFPTNAES-2014)	TEQIP-II	June 30 – July 04, 2014

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3.	Dr. Hemantkumar P. Bulsara	Guidance and Participative Management	SVNIT	One day 26-09-2015
4.	Prof.M.N.Mehta, Dr.V.H.Pradhan, Dr.J.M.Dhodiya	19 th Annual Cum 4 th International conference of Gwalior Academy of Mathematical Sciences on "Advances in Mathematical Modeling to real world Problems"	TEQIP-II, DST, DRDO, GUJCOST,	3-6 October
5.	Dr. V. H. Pradhan & Dr. J. M. Dhodiya	19 th annual cum 4 th International conference of Gwalior Academy of Mathematical Sciences on Advances in Mathematical Modeling to real world problems	SVNIT, DST, GUJCOST, DRDO, TEQIP II	3-6 October 2014
6.	Dr.Ramakanta Meher	ISTE-PTU Faculty Development Programme-2014	ISTE,Punjab Technical University and SVNIT,Surat	23/06/14 to 27/06/14 (One Week)

APPLIED MECHANICS DEPARTMENT				
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No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. C H Solanki	Short Term Training Programme on Advances in Geotechnical Engineering (AGE - 2014)	TEQIP-II	25 th June- 4 th July 2014
2.	Dr. C H Solanki	Finishing school cum workshop On Geotechnical aspects of foundation engineering	TEQIP-II	9 th -11 th October 2014
3.	Dr. C H Solanki	Geotechnical Investigations, Interpretations & Improvements (GIII-2015)	Self-Financed	14 th -18 th July 2015

CHEMICAL ENGINEERING DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. V. N Lad, Dr. C. M. Patel, Dr. J.K.Parikh	Syllabus Revision Workshop for B. Tech. Chemical Engineering	TEQIP-II	17/10/2014
2.	Dr. Mausumi Mukhopadhyay and Dr. V.N.Lad	Expected Deliverables by Young Graduate Chemical Engineers'	TEQIP	8 th October-2014
3.	A.K. Jana, S.R. Patel, C. M. Patel	One Day workshop on FEM Simulations using COMSOL Multiphysics and Neural Network based Modelling using STATISTICA	TEQIP	7 th August, 2014

CIVIL ENGINEERING DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. P L Patel Dr. P V Timbadiya	Finishing School on "Hydraulics of Mobile Boundary Channels"		April 18-19, 2014
2.	Dr. P L Patel Dr. P V Timbadiya	Workshop "Avenues for research in area of hydrology, water resources and climate change impacts"		July 14, 2014
3.	Dr. P L Patel Dr. P V Timbadiya	Project Appraisal Monitoring Committee (PAMC) meet of Ministry of Earth Sciences		July 15, 2014
4.	Dr. P V Timbadiya Dr. P L Patel	STTP on 'Modeling Impact of Climate Change on Water Resources'		December 08-12, 2014
5.	M Mansoor Ahammed & K D Yadav	One-week short term training programme on Advances in Waste Management Techniques		23-27 June 2014
6.	Dr K D Yadav	Three Days Workshop on Accreditation		20-22 May, 2014
7.	Dr K D Yadav	Workshop- Advances in Waste Management Techniques		23-27 June, 2014

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8.	Dr K D Yadav	Workshop-Rajbhasha Rules and IT Tools		15-17 August, 2014
9.	Dr K D Yadav	Workshop -Nuclear Energy		31 August, 2014
10.	Dr. Ashish Dhamaniya	National Conference on "Recent Advances in Traffic Engineering"		July 3-4,2015
11.	Dr. P L Patel Dr. P V Timbadiya	Finishing School on "Hydraulics of Mobile Boundary Channels"		April 18-19, 2014
12.	Dr. P L Patel Dr. P V Timbadiya	Workshop "Avenues for research in area of hydrology, water resources an climate change impacts"		July 14, 2014
13.	Dr. P L Patel Dr. P V Timbadiya	Project Appraisal Monitoring Committee (PAMC) meet of Ministry of Earth Sciences		July 15, 2014
14.	Dr. P V Timbadiya Dr. P L Patel	STTP on 'Modeling Impact of Climate Change on Water Resources'		December 08-12, 2014
15.	Shri Chetan Patel	National Conference SSC 15	SVNIT, TEQIP	10-11 April, 2015
16.	Shri Chetan Patel	National Conference RATE 15	SVNIT, TEQIP, CRRI	03-04,July 2015
17.	Dr. S.S. Arkatkar	a two weeks Short Term Training Program on "Recent advances in Studies of Traffic Engineering"	TEQIP-II	30 th June to 11 th July 2014
18.	Dr. S.S. Arkatkar	one-day workshop on "Macroscopic Pedestrian Flow Modeling"	INDO_HCM Project by CSIR_CRRI, New Delhi, India	28 th June 2014.
19.	Dr. S.S. Arkatkar	Five-Days self-Sponsored Program on "VISSIM Micro-simulation Software Training"	Self-Sponsored	23-27 March 2015
20.	Dr. S.S. Arkatkar	Two days National conference on "Recent Advances in Traffic Engineering (RATE-2015)	DST, CSIR-CRRI, TEQIP-II, SMC, Sponsorship from Industries	3 rd & 4 th June 2015

COMPUTER ENGINEERING DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Mukesh A. Zaveri	Five-days Short Term Training Programme (STTP) on Audio and Speech Signal Processing (ASSP 2014) under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	TEQIP II	July 7-11, 2014
2.	Mukesh A. Zaveri	Co-chair of National Seminar on Computer Vision and Image Processing (NaSCoVIP 2014), IEEE Gujarat Section, organized by SCET, Surat and SVNIT, Surat under Technical Education Quality Improvement Programme (TEQIP) II.	TEQIP II	September 19-20, 2014
3.	Udai Pratap Rao	TEQIP-II Sponsored STTP on "Data Mining: Security and Privacy Issues"	TEQIP II	June 23-27 2014
4.	Dr. D.C. Jinwala	Joint Coordinator for the TEQIP-II Sponsored 5-Day Short Term Training Programme on " Privacy Preserving Data Mining (PPDM 2015) "	TEQIP II	May 25-29, 2015
5.	Dr. D.C. Jinwala	Coordinator for the TEQIP-II Sponsored 5-Day Short Term Training Programme on " Design and Analysis of Algorithms (DAA 2015) "	TEQIP II	May 18-22, 2015
6.	Dr. D.C. Jinwala	Joint Coordinator for the	DeITY, MCIT,	July 14-18, 2014

		DeITY, Ministry of Communications and Information Technology, Govt of India, sponsored Five days STTP on “Wireless Sensor Networks: Secure Data Aggregation and Related Issues”	Gol	
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ELECTRICAL ENGINEERING DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	S. N. Sharma, M. N. Bhusavalwala, H. G. Patel	‘Recent trends in Industrial Automation’	TEQIP II	September 6-7, 13-14, 2014
2.	S. N. Sharma, H. G. Patel	‘Recent trends in Industrial Automation’	TEQIP II	October 4-5, 11-12, 2014
3.	M. A. Mulla	Implementation of Power Electronics Systems	TEQIP II	17 – 18, 24 - 26 January, 2015
4.	M. A. Mulla Dr. Anandita Chowdhury, Mr. H. R. Jariwala, Dr. R. Chudamani	Implementation of Power Electronics Systems	TEQIP II	29 Dec 2014 to 02 Jan 2015
5.	S. N. Sharma	Power filter Technology and Control	TEQIP II	June 2-6, 2014.
6.	S. N. Sharma	Advances in Control and Instrumentation Education	TEQIP II	January 5-9, 2015
7.	S. N. Sharma, Dr. Rakesh Maurya , Dr. Vasundhara Mahajan, Dr. Sabha Raj Arya	Power Electronic Systems and Control	TEQIP II	December 8- 12, 2014
8.	Dr. Ashish Panchal Dr. Makarand Lokhande	Renewable Energy Systems	TEQIP II	July 07- July 11, 2014

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9.	S. N. Sharma, M. N. Bhusavalwala, H. G. Patel	Industrial Automation	TEQIP II	2 - 5 April 2015
10.	S. N. Sharma, M. N. Bhusavalwala, H. G. Patel	Advances in Control and Instrumentation Education and Implementations	TEQIP II	18 – 22 May, 2015
11.	Dr. Anandita Chowdhury, Dr. Prasanta. Kundu	Advances In High Voltage Technology	TEQIP II	23-27 June,2014
12.	Dr. Varsha A. Shah Dr. M. M. Lokhande Dr. Prasanta Kundu	Electric Vehicle	TEQIP -II	26.05.2014 to 30.05.2014
13.	Dr. A. Chowdhury	Curriculum Revision Workshop,B.Tech,M.Tech	TEQIP -II	16.8.2014to 17.8.2014
14.	S. N. Sharma, M. N. Bhusavalwala, H. G. Patel	Recent trends in Industrial Automation	TEQIP -II Finishing school	September 6-7, 13-14, 2014
15.	S. N. Sharma, H. G. Patel	Recent trends in Industrial Automation	TEQIP -II Finishing school	October 4-5, 11-12, 2014
16.	M. A. Mulla Dr. Anandita Chowdhury, Mr. H. R. Jariwala, Dr. R. Chudamani	Implementation of Power Electronics Systems	TEQIP -II Finishing school	17 – 18, 24 - 26 January, 2015
17.	S. N. Sharma, M. N. Bhusavalwala, H. G. Patel	Industrial Automation	TEQIP -II Finishing school	2 - 5 April 2015

ELECTRONICS ENGINEERING DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. Piyush Patel Mr. A. S. Mandloi	Two days finishing school/workshop on " Photonics Integrated	TEQIP- II	10-11 April 2015

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		Circuits"		
2.	Dr. Mrs. U.D.Dalal, Ms. Jigisha Patel, Mrs. Shweta Shah	Two days workshop on Software Defined Radio	TEQIP	28-29 July 2014
3.	Dr. Piyush Patel Mrs. S. N. Shah	Two days workshop in "Curriculum Revision for UG & PG"	TEQIP-II	9-10 January 2014
4.	Mrs. S. N. Shah	Two days "Robotics Workshop in association with IIT Delhi TRYST" for UG students	Student welfare	30-31 August 2014
5.	Dr. (Mrs.) U. D. Dalal Mrs. S. N. Shah	Two Days Finishing School on "Amateur Radio Digital Information and Communication Technologies "	TEQIP-II	8-9 September 2014
6.	Dr. V. Mishra Dr. (Mrs.) U. D. Dalal, Dr. J N Sarvaiya	2nd International Conference on Emerging Technology Trends In Electronics, Communication and Networking.(ET2ECN 2014) ECED, SVNIT	TEQIP-II	December 26-27, 2014
7.	Mrs. R. N. Dhavse Mrs. S. Gupta	Seminar on 'Leveraging ICT to build Smart Cities' By Mr. Jigar Patel, Asstt. Engineer, SMC, Surat. ECED, SVNIT, Surat	TSF & IETE Surat Subcentre	2 Nov 2014

MECHANICAL ENGINEERING DEPARTMENT

No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. R. Venkata Rao	Three-days training program on 'Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)"	Space Applications Centre (ISRO), Ahmedabad	1-3 May 2014
2.	Dr. R. Venkata Rao	one week short term training program on 'Advanced Engineering	Self-supported	22-26 September 2014

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		Optimization Through Intelligent Techniques (AEOTIT)"		
3.	Dr. R. Venkata Rao	one week short term training program on 'Advanced Engineering Optimization Through Intelligent Techniques (AEOTIT)"	Self-supported	1-5 December 2014
4.	Dr. S. A. Channiwala; Beena Baloni	Workshop on "Gas Turbine Engine Components: Theory & Design	Self-financed with TEQIP	23 rd to 27 th March, 2015
5.	Dr. V. D. Kalyankar	Modelling and Optimization Techniques for Engineering Applications (MOTEA)	TEQIP - II	19 – 23 May 2014
6.	Dr. Shailendra Kumar, Dr. H.K.Raval, Dr. H.K. Dave	4 th National Conference on Recent Advances in Manufacturing (RAM-2014)	SERB (DST), Govt. of India, & TEQIP-II	26-28 June, 2014
7.	Dr. Shailendra Kumar, Dr. H.K.Raval	STTP on Advances in Manufacturing (AIM-2014)	TEQIP-II	28 th July – 1 st August, 2014
8.	Dr. D. I. Lalwani & Dr. A. A. Shaikh	MATLAB Fundamentals	TEQIP-II	6 – 10 July 2015
9.	Dr. A. A. Shaikh & Dr. D. I. Lalwani	International Conference on Advances in Materials and Product Design, AMPD2015	TEQIP-II	10-11 January 2015
10.	Dr. Jyotirmay Banerjee R D Shah	Computational Fluid Dynamics: Theory and Practice	TEQIP-II	15th to 19th June 2015.
11.	Dr. Jyotirmay Banerjee	Fundamentals and Special Topics in Fluid Mechanics	TEQIP-II	1st June to 5th June, 2015
12.	Dr. B. M. Sutaria Dr. D. V. Bhatt	Two days' workshop on Industrial Tribology and Applications	TEQIP –II	14-11-2014 to 15-11-2014
13.	Dr. S. A. Channiwala	Three Day Conference on "Technology Conclave- III at L&T Hazira (Overall Advisor of the Programme)	L&T Hazira	11-13 September 2014
14.	Dr. S. A. Channiwala Dr. J. V. Menghani	Two day Training Programme on Erosion Testing		29-30 December 2014
15.	Dr. H. K. Raval	CEP on Metal Forming	TEQIP	22 – 26

	Dr. H. K. Dave			December 2014
16.	Dr. Dinesh Singh	Modeling and Optimization Techniques for Engineering Applications (MOTEA)	TEQIP-II	19-23 May 2014
17.	Dr. A A Shaikh	Advances in materials and product design 2015	TEQIP	10-11 jan 2015
18.	Tushar N. Desai and Ravi Kant	Advanced Quality Engineering Techniques (AQET 2014)	TEQIP II	March 3-7, 2014
19.	Tushar N. Desai and Ravi Kant	Advanced Quality Engineering Techniques (AQET 2014)	TEQIP – II	August 4-8, 2014

APPLIED PHYSICS DEPARTMENT				
No	Faculty	Name of Programme	Sponsoring Agency	Period
1.	Dr. K. N. Pathak	Advanced Scientific Tools for Materials Science and Technology (ASTMST-2015)	TEQIP-II	29-31 May, 2015
2.	Dr. Y. A. Sonvane	Advanced Scientific Tools for Materials Science and Technology (ASTMST-2015)	TEQIP-II	29-31 May, 2015
3.	Dr. D. R. Roy	Advanced Scientific Tools for Materials Science and Technology (ASTMST-2015)	TEQIP-II	29-31 May, 2015

Expert Lectures delivered by the faculty members at SVNIT/other Institute/Organizations

APPLIED CHEMISTRY DEPARTMENT			
No.	Faculty	Title of Lecture	Place & Date
1.	Dr. Premlata Kumari	S-triazine and quinazoline derivatives: Potential anticancer PC3 cell lines.	ICM-2014 at Suzhou, China, 19/11/2014
2.	Dr. Kalpana Maheria	Catalytic Synthesis of n-Butyl Levulinate from Levulinic Acid over Various Acidic Zeolites.	University of Saskatchewan, Saskatoon, Canada on

			11 th June 2014
3.	Dr. Kalpana Maheria	A comparative study on the acidity and adsorption / desorption properties of zeolites towards the synthesis of biologically active compounds via MCRs.	University of Toronto, Canada on 20 th June 2014
4.	Dr. Suresh Kumar Kailasa	Organic framework on Nanomaterials; Characterization and their uses as Nanoprobes	SVNIT, Surat, 21 st February 2015
5.	Dr. Suresh Kumar Kailasa	Understanding the Synergistic Relationships Between Structure and Properties by Electron Microscopic Techniques	SVNIT, Surat, 26 th February, 2015
6.	Dr. Bharat Dholakiya	Career Guidance & Motivational Seminar	Shree Bhavnagar Jilla Leuva Patel Education & Medical Trsut, Surat 30 th March 2014
7.	Dr. Bharat Dholakiya	One Day Workshop on " <i>Career Counselling</i> "	Shree Swami Vivekanand Education & Charitable Trust, Botad, 26 th March 2015
8.	Dr. Rajender Kumar	Quartz Crystal Microbalance With Dissipation Monitoring Studies on Swelling and Fouling Mechanism using Crosslinked Aromatic Polyamide Mimetics of Reverse Osmosis Membranes	HETIS 2014: International Conference at Punjab University Chandigarh September 19-20, 2014.

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT			
No.	Faculty	Title of Lecture	Place & Date
1.	Twinkle R. Singh	Study on Fokker-Planck equation and its Application	Expert talk has been given at the TEQIP sponsored STTP on Mathematical, Statistical, Operation Research based Modeling and Simulation for

			Researchers, Engineers and Scientists, 27-31 January, 2014 on 28/01/2014.
2.	Twinkle R. Singh	Solution of the water transport phenomenon by Homotopy analysis method	Expert talk has been given at the TEQIP sponsored STTP on Advanced Analytical & Numerical Techniques for Engineers and Scientists, 3-7 March 2014 on 06/03/2014, SVNIT, Surat
3.	Twinkle R. Singh	Study on some different Phenomenon arising in fluid flow through porous media	Expert talk has been given at the TEQIP sponsored STTP on Computational Flow and Transport Modelling, Simulation and Algorithms, 24-28 March-2014 on 27/03/2014.
4.	Twinkle R. Singh	Study on Burger's equation and its application	Expert talk has been given at the Department of Mathematics, Sardar Patel University, Analysis, Geometry and Applications UGC-SAP-DRS-II, 17 – 18 February 2014.
5.	Dr. A.K.Shukla	Need of Analysis in Mathematical Research (I& II)	Department of Applied Mathematics & Humanities , S.V. National Institute of Technology, Surat, during June 30-July 4, 2014
6.	Dr. A.K.Shukla	Significance of Mathematical Analysis in Operational Methods in Father Valles Lecture Series	Father Valles Lecture Series, Ahmedabad Ganit Mandal at St. Xavier's College, Ahmedabad, (Gujarat),

			India on August 2, 2014
7.	Dr. A.K.Shukla	Sheffer Classification for Polynomials in Two Variables	School of Mathematics and Computer Applications, Thapar University, Patiala, India during October 16 -18, 2014.
8.	Dr. V.N. Mishra	A study on fixed point theorems and nonlinear analysis	Int. Conference on "The works of Srinivas Ramanujan & their applications in Science & Engg." & Int. symposium on ICSFA at RJIT, BSF, Academy, Tekanpur on 22-23 December 2014.
9.	Dr. V.N. Mishra	Tools of approximation theory	AMHD, SVNIT, Surat, June 30-July 04, 2014.
10.	Dr. Hemantkumar P. Bulsara	Commercialization of Technology Innovations and Patents: Issues and Challenges	STTP on 'Concepts and Advances in Quality & Reliability Management' organized by Mechanical Engineering Department, Goa College of Engineering, Goa (in association with Mechanical Engg. Deptt., SVNIT, Surat) during November 17-28, 2014 under TEQIP – II at GCE, Goa
11.	Dr. Hemantkumar P. Bulsara	Case study research	STTP on 'Concepts and Advances in Quality & Reliability Management' organized by Mechanical Engineering Department, Goa College of Engineering, Goa (in association with

			Mechanical Engg. Deptt., SVNIT, Surat) during November 17-28, 2014 under TEQIP – II at GCE, Goa
12.	Dr. Hemantkumar P. Bulsara	Case study research	STTP on 'Research Methodology: Tools and Techniques', SVNIT, Surat during June 15-19, 2015
13.	Dr. Hemantkumar P. Bulsara	Case study research for Supply Chain Management and E-Business	STTP on Supply Chain Management and E-Business, SVNIT, Surat during 22 – 26 June, 2015
14.	Dr.J.M.Dhodiya	Basics of Mathematical modeling and simulation	National Conference on Recent Advances in Engineering for Sustainability (NCRAESD2015), CGPIT, UKA Tarsadiya University 29/05/2015
15.	Dr.J.M.Dhodiya	Compartment based Mathematical modeling	TEQIP sponsored STTP Advanced Scientific Tools for Material Science and Technology , SVNIT Surat, 30/05/2015
16.	Dr.J.M.Dhodiya	Mathematical modeling with technology	TEQIP sponsored Two day National Workshop Computational fluids dynamics for engineers , SVNIT Surat, 22/06/2014
17.	Dr.J.M.Dhodiya	Mathematical Modeling and Information Communication technology	ISTE sponsored one week STTP Mathematical modeling in science and Engineering, 26/07/2014
18.	Dr. V. H. Pradhan	Finite Element Methods	One week STTP on Mathematical & Optimization Modeling

			with Simulation by Scientific Tools for Researchers, Engineers and Scientist on 24/06/2015
19.	Dr. V. H. Pradhan	Numerical methods for Engineers	R. C. Patel Institute of Technology, Shirpur, Maharashtra on 02/05/2015
20.	Dr. V. H. Pradhan	Numerical methods for Engineers	Dept. of Applied Mathematics, Faculty of Technology and Engineering, M. S. University, Baroda, 20/03/2015
21.	Dr. V. H. Pradhan	Advanced Numerical method applied to engineering problems	Dept. of Mathematics, Nirma university, Ahmedabad on 23/01/2015
22.	Dr. V. H. Pradhan	Numerical method for PDE (Finite difference methods)	Dept. of Applied Mathematics, Faculty of Technology and Engineering, M. S. University, Baroda, 08/01/2015
23.	Dr. V. H. Pradhan	Advanced Numerical Techniques	Medi-Caps Institute of Science and Technology, Indore on 3/01/2015
24.	Dr. V. H. Pradhan	Numerical methods for Engineers	One week continuing education program on Metal Forming on 22/12/2014
25.	Dr. V. H. Pradhan	Analytical and Numerical methods to some well-known PDE's	Mathematics Department, C. U. Shah University, Surendranagar on 19/12/2014
26.	Dr. V. H. Pradhan	Finite element method	Vadodara Institute of Engineering, Vadodara on 24/11/2014
27.	Dr. V. H. Pradhan	Advanced Numerical Techniques	51 th Annual Conference of Gujarat Ganit Mandal

			on 06/11/2014
28.	Dr. V. H. Pradhan	Mathematical Modeling in porous media	One week STTP on Advanced Engineering Optimization through Intelligent Techniques on 23/09/2014
29.	Dr. Ramakanta Meher	Adomian Decomposition Method and its applications in Real world problems	ISTE-PTU Faculty Development Programme-2014 at SVNIT, Surat during 23/06/14 to 27/06/14

APPLIED MECHANICS DEPARTMENT			
No.	Faculty	Title of Lecture	Place & Date
1.	Dr. C H Solanki	Geotechnical Earthquake Engineering- Liquefaction	Surat Urban Development Authority-SUDA, Surat, 29 November 2014
2.	Dr. C H Solanki	Soil Investigations & Parameters	Geotechnical Investigations, Interpretations & Improvements (GIII-2015), SVNIT, Surat (14-18th July 2015)
3.	Dr. C H Solanki	Foundation settlement & its Predictions	Geotechnical Investigations, Interpretations & Improvements (GIII-2015), SVNIT, Surat (14-18th July 2015)
4.	Dr D B RAIJIWALA	Bacterial Concrete	STTP on "Recent Advances in Civil Engg. Materials" during 30/09/2014 to 02/10/2014 at SVNIT - SURAT
5.	Dr D B Rajiwala	Bacterial Concrete & Geopolymer Concrete	STTP on Recent Advances in Concrete Technology, BVM, V V Nagar, 19 – 23

			May 2014
6.	Dr M K Desai	Virtual Reality Applications in Structural Engineering	Pandit Dindayal Petroleum University, Gandhiangar on 27/03/2015
7.	Dr S A Vasanwala	Advances in Structural Analysis and Design	Vadodara Institute of Technology, Kotambi Vadodara / 21/11/2014

CHEMICAL ENGINEERING DEPARTMENT

No.	Faculty	Title of Lecture	Place & Date
1.	Dr. Z. V. P. Murthy	Multi-Walled Carbon Nanotubes Incorporated Nanofiltration Membranes, Presented at the "International Conference on Membrane Based Separations" (MEMSEP 2015),	The Maharaja Sayajirao University of Baroda, Vadodara, India, during March 21-23, 2015.
2.	Dr. Chetan M. Patel	Modeling and optimization using artificial neural network	Ched, SVNIT-Surat 7 th August, 2014
3.	Dr. V. N Lad	Keynote speech on 'Interfacial Engineering and its Applications in Chemical Engineering', Government Engineering College, Bharuch.	Government Engg. College – Bharuch, 27/03/2015.
4.	Dr. V. N Lad	'Stability of Emulsions: Effects of Ultrasound and Ingredients'	Government Engg. College – Bharuch, 03/03/2015.
5.	Dr. S. R. Patel	Taguchi method and ANOVA using Excel in finishing school on Design of experiment using the Taguchi method: an Overview	Ched, SVNIT-Surat 25/04/15

CIVIL ENGINEERING DEPARTMENT

No.	Faculty	Title of Lecture	Place & Date
1.	Dr. P L Patel	Existing Practice in Estimation of Scour around Bridge Piers	Finishing School on "Hydraulics of Mobile

			Boundary Channels” at SVNIT Surat during April 18-19, 2014.
2.	Dr. P L Patel	Bed Level Variation of Alluvial Streams	
3.	Dr. P L Patel	Transport of Sediments in Alluvial Channel	Workshop “Avenues for research in area of hydrology, water resources an climate change impacts” at SVNIT Surat on July 14, 2014.
4.	Dr. P L Patel	Introduction to Hydrological Models: System and Control Volume Formulation	STTP on “Modeling Impact of Climate Change on Water Resources”, at SVNIT Surat during December 08-12, 2014.
5.	Dr. P L Patel	Subsurface flow models: Unsaturated flow through porous media	
6.	Dr. P L Patel	Unit Hydrograph Theory & Flood Routing	
7.	Dr. P L Patel	Hydrologic Statistics	
8.	Dr. P L Patel	Flood Frequency Analysis	
9.	M Mansoor Ahammed	Microbiology of waste treatment	SV NIT, Surat, June 27, 2014
10.	M Mansoor Ahammed	Household water treatment in developing countries	GTU, Ahmedabad, March 22, 2015
11.	K. A. Chauhan	Need of reforms in Urban Government	Shrimad Rajchandra Institute of Management, UTU, Bardoli; August 7, 2014.
12.	A.K.Khambete	Advance treatment of a bulk drug effluent by Electrochemical oxidation containing boron doped diamond electrode Coupled with biological process.	National conference on “ environment challenges & Opportunities” at Shroff S.R. Rotary Institute of Chemical

			Technology (SRICT) Vallia, 24 th December 2014.
13.	Namrata Jariwala	Health issues related to Hazardous waste Management	TEQIP – II Sponsored Short term training Programme on “Advances in Waste Management Techniques” during 23-27 th June-2014.
14.	Namrata Jariwala	Green Building	Civil Engineering Department Govt. Polytechnic Valsad
15.	Dr K D Yadav	Rain water harvesting systems. Training on New Development in Agriculture Fields	Navsari Agriculture University, Surat. 02- 09-2014.
16.	Dr. Ashish Dhamaniya	Modelling of Transportation Data	SVNIT Surat July 7 th , 2014.
17.	Dr. Ashish Dhamaniya	Basic Concept of Traffic Engineering	SVNIT Surat August, 2014.
18.	Dr. P V Timbadiya	Trend Analysis: Theory and Assumptions	STTP on Statistical Techniques for DataAnalysis in Research for faculty members at CED, Government Collage of Engineering, Aurangabad on 13- 06-2014.
19.	Dr. P V Timbadiya	Trend Analysis: Applications and Research	
20.	Dr. P V Timbadiya	Trend Analysis: Theory and Assumptions	STTP on Computational and Statistical Methods Applied in Engineering for faculty members at CED, Government Collage of Engineering, Jalgoan

			on 11-07-2014.
21.	Dr. P V Timbadiya	Trend Analysis: Applications and Research	
22.	Dr. P V Timbadiya	Trend Analysis: I	STTP on 'Modelling Impact Climate Change on Water Resources", SVNIT-Surat.
23.	Dr. P V Timbadiya	Trend Analysis: II	
24.	Dr. P V Timbadiya	Implication of Climate Change on Storm water Deign'	
25.	Dr. P V Timbadiya	Multisite High Resolution Statistical Downscaling of Precipitation	
26.	Ravin M. Tailor	Geo-synthetics Applications	TEQIP-II Sponsored STTP On "Advances In Geotechnical Engineering" (Age – 2014), AMD, SVNIT, Surat, 28/06/2014
27.	Dr. S.S. Arkatkar	"Fundamentals of Traffic Flow Theory and Traffic Engineering Safety"	BITS Pilani Rajasthan on 3-5 August 2014.
28.	Dr. S.S. Arkatkar	"Effect of Speed Limit Compliance on Roadway Capacity of Indian Expressways" in	8th National Frontiers of Engineering at IIT Gandhinagar on 6th September, 2014.
29.	Dr. S.S. Arkatkar	"Measurement of Traffic Flow Characteristics at mid-block sections"	Recent Advances in studies of Traffic Engineering (RASTE) 30th June to 11th July 2014
30.	Dr. S.S. Arkatkar	"Capacity and LoS Analysis at mid-block sections for different classes of roads"	Recent Advances in studies of Traffic Engineering (RASTE) 30th June to 11th July 2014
31.	Dr. S.S. Arkatkar	"Fundamentals of Traffic Flow Modelling"	Recent Advances in studies of Traffic Engineering (RASTE) 30th June to 11th July

			2014
32.	Dr. S.S. Arkatkar	Laboratory Tests on Aggregates and Bitumen to PWD Engineers	PWD Diu and Daman on November 2014.
33.	Dr. S.S. Arkatkar	"Case Studies for Modeling Heterogeneous Traffic on Intercity roads using Micro-simulation"	One Week TEQIP Sponsored FDP on "Recent Advances in Traffic Engineering and Transportation Planning (RATE & TP)" from 8th-13th December 2014, Malnad College of Engineering, Hassan, Karnataka
34.	Dr. S.S. Arkatkar	"Measurement of Traffic Flow Characteristics at mid-block sections"	One Week TEQIP Sponsored FDP on "Recent Advances in Traffic Engineering and Transportation Planning (RATE & TP)" from 8th-13th December 2014, Malnad College of Engineering, Hassan, Karnataka
35.	Dr. S.S. Arkatkar	"Measurement of Traffic Flow Characteristics at mid-block sections"	Recent Trends and Modern Practices in Transportation Engineering, on 16 th December 2014 at Universal College of Engineering Kaman, Vasai, Mumbai.
36.	Dr. S.S. Arkatkar	"Measurement of Traffic Flow Characteristics at mid-block sections"	Recent Trends and Modern Practices in Transportation Engineering, on 16 th December 2014 at Universal College of Engineering Kaman, Vasai, Mumbai.
37.	Dr. S.S. Arkatkar	"Few Interesting Aspects in Transportation Engineering"	MVJCE, Bangalore on 6th February 2015.

38.	Dr. S.S. Arkatkar	"Measurement of Traffic Flow Characteristics at mid-block sections and Signalized Intersections"	AICTE Sponsored Short Term Course on Innovative Technologies in Transportation Engineering, 23-27 February, 2015 at IIT Guwahati
39.	Dr. S.S. Arkatkar	"Basic Aspects on Simulating Traffic Flow on Indian Roads"	Gujarat Technical University Research Week on 8 th April, 2015.
40.	Dr. S.S. Arkatkar	"Performance of BRTS in Surat" Public Transportation issues and challenges in Surat	, One Day workshop organized by IUT Gujarat-Rajasthan Chapter and SVNIT Surat on 1 st August, 2015.

COMPUTER ENGINEERING DEPARTMENT

No.	Faculty	Title of Lecture	Place & Date
1.	Mukesh A. Zaveri	Localization in Wireless Sensor Network	at One week STTP on Recent Trend in Communication, Computing and Networking during 19 - 23 May 2014 organized by ECE Department G H Patel College of Engg. & Tech., Vallabh Vidyanagar on 19 May 2014.
2.	Mukesh A. Zaveri	Machine Learning	at One Week STTP on Data Mining: Security and Privacy Issues under TEQIP-II during June 23-27, 2014 organized by Computer Engineering Department, SVNIT,

			Surat on 24 June 2014.
3.	Mukesh A. Zaveri	Hypotheses Testing	at OneWeek STTP on Data Mining: Security and Privacy Issues under TEQIP-II during June 23-27, 2014 organized by Computer Engineering Department, SVNIT, Surat on 24 June 2014.
4.	Mukesh A. Zaveri	Fundamentals of Signal Processing	at One week STTP on Audio and Speech Signal Processing (ASSP 2014) under TEQIP-II during 7-11 July, 2014 organized by Computer Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat on 7 July 2014.
5.	Mukesh A. Zaveri	Parameter Estimation	at One week STTP on Audio and Speech Signal Processing (ASSP 2014) under TEQIP-II during 7-11 July, 2014 organized by Computer Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat on 11 July 2014.
6.	Mukesh A. Zaveri	Artificial Neural Network and its Application: Data Association for Multiple Target Tracking	during One Week STTP on Advanced Engineering Optimization through Intelligent Techniques

			(22-26 September, 2014) organized by Mechanical Engineering Department, SVNIT, Surat on September 23, 2014.
7.	Mukesh A. Zaveri	Artificial Neural Network and its Application: Data Association for Multiple Target Tracking	during One Week STTP on Advanced Engineering Optimization through Intelligent Techniques (1-5 December, 2014) organized by Mechanical Engineering Department, SVNIT, Surat on December 2, 2014.
8.	Mukesh A. Zaveri	Soft Computing and Supervised Learning	during OneWeek STTP on Soft Computing (15-19 December, 2014) organized by Computer Science & Engineering Department, Barbaria Institute of Technology, Vadodara on December 15, 2014.
9.	Mukesh A. Zaveri	Unsupervised Learning Methods	during OneWeek STTP on Soft Computing (15-19 December, 2014) organized by Computer Science & Engineering Department, Barbaria Institute of Technology, Vadodara on December 15, 2014.
10.	Mukesh A. Zaveri	Dynamic Programming and its Applications	during TEQIP-II sponsored One Week

			STTP on Computer Algorithms and Applications (29 Dec 2014 - 2 Jan 2015) organized by Computer Engineering Department, BVM Engineering College, Vallabh Vidyanagar on December 30, 2014.
11.	Mukesh A. Zaveri	Image Processing	during ISTE sponsored Two days Faculty Development Programme on Digital Image Processing (21-22 February 2015) organized by Shrimad Rajchandra Institute of Management and Computer Application, Uka Tarsadia University, Bardoli on February 21, 2015.
12.	Mukesh A. Zaveri	Data (Image/Video) Compression	during ISTE sponsored Two days Faculty Development Programme on Digital Image Processing (21-22 February 2015) organized by Shrimad Rajchandra Institute of Management and Computer Application, Uka Tarsadia University, Bardoli on February 21, 2015.
13.	Mukesh A. Zaveri	Research Methodology: Defining Research Problems	during ISTE sponsored Two days Faculty Development Programme on Digital

			Image Processing (21-22 February 2015) organized by Shrimad Rajchandra Institute of Management and Computer Application, Uka Tarsadia University, Bardoli on February 21, 2015.
14.	Mukesh A. Zaveri	Stochastic Image Processing	during ISTE sponsored Two days Faculty Development Programme on Digital Image Processing (21-22 February 2015) organized by Shrimad Rajchandra Institute of Management and Computer Application, Uka Tarsadia University, Bardoli on February 22, 2015.
15.	Udai Pratap Rao	Privacy Preserving Association Rule Mining Algorithms	TEQIP-II sponsored STTP on "Data Mining: Security and Privacy Issues" at Computer Engineering Department, SVNIT Surat during 23-27 June 2014
16.	Udai Pratap Rao	Privacy Preserving in Location Based Services	TEQIP-II sponsored STTP on "Data Mining: Security and Privacy Issues" at Computer Engineering Department, SVNIT Surat during 23-27 June 2014
17.	Udai Pratap Rao	Privacy Preserving Data Mining	6 th National

			Conference on Emerging Vistas of Technology in 21 st Century (NCEVT'15) during 3 rd and 4 th April, 2015
18.	Sankita J. Patel	Secret Sharing based approach for Privacy homomorphism in Wireless Sensor Networks	C G Patel Institute of Technology, Maliba Campus, UKA Tarsadia University, Bardoli, Gujarat. January 2014
19.	Dr. D.C. Jinwala	An Expert Lecture on " Privacy Issues in Data Mining " at TEQIP-II Sponsored FDP on "Privacy Preserving Data Mining"	Computer Engineering Department, S V N I T, on May 26 th , 2015
20.	Dr. D.C. Jinwala	An Expert Lecture on " Data Perturbation based Approaches for PPDM " at TEQIP-II Sponsored FDP on "Privacy Preserving Data Mining"	Computer Engineering Department, S V N I T, on May 26 th , 2015
21.	Dr. D.C. Jinwala	An Expert Lecture on " Zero Knowledge Protocols " at TEQIP-II Sponsored FDP on "Privacy Preserving Data Mining"	Computer Engineering Department, S V N I T, on May 28 th , 2015
22.	Dr. D.C. Jinwala	An Expert Lecture on " Introduction to Algorithms, Computational Problems, Analysis Techniques " at TEQIP-II Sponsored FDP on "Data and Analysis of Algorithms"	Computer Engineering Department, S V N I T, on May 18 th , 2015
23.	Dr. D.C. Jinwala	An Expert Lecture on " General Computational Problems, Algorithms & Asymptotic Analysis " at TEQIP-II Sponsored FDP on "Data and Analysis of Algorithms"	Computer Engineering Department, S V N I T, on May 18 th , 2015
24.	Dr. D.C. Jinwala	Two Expert Lectures on " The	Computer

		Optimization Problems and the Greedy Approach – I & II at TEQIP-II Sponsored FDP on “Data and Analysis of Algorithms”	Engineering Department, S V N I T, on May 19 th , 2015
25.	Dr. D.C. Jinwala	An Expert Lecture on “ NP-Theory ” at TEQIP-II Sponsored FDP on “Data and Analysis of Algorithms”	Computer Engineering Department, S V N I T, on May 21 st , 2015
26.	Dr. D.C. Jinwala	An Expert Talk on “ Design of a Link Layer Security Protocol ”	Department of Information Technology, Chandubhai S Patel Institute of Technology, CHARUSET University, Changa Campus, Changa, on 13 th March 2015
27.	Dr. D.C. Jinwala	An Expert Lecture on “ Interprocess Communication and Synchronization ”	Faculty of Engineering and Technology, Isroli, on 27 th February 2015
28.	Dr. D.C. Jinwala	Two Expert Talks on “ Greedy Design Technique & its Applications ” and “ P-NP Theory ” at TEQIP Sponsored STTP on Computer Algorithms and Applications	BVM, Vallabh Vidyanagar on 31 st Dec 2014, 1 st Jan 2015
29.	Dr. D.C. Jinwala	An Expert Lecture on “ P-NP Theory ”	C G Patel Institute of Technology, Uka Tarsadia University, Maaliba campus, Bardoli on 26 th Dec 2014
30.	Dr. D.C. Jinwala	A Keynote address on “ Functional Encryption ” at International Conference on Advances in Computing	Communications and Informatics CoER School of Management, Rookeee, 28 th Nov 2014
31.	Dr. D.C. Jinwala	An Expert Talk on “ How to write a Research ”	Gujarat Vidyapeeth, Ahmedabad, on Sep

		Paper/Thesis ” at the Research Methodology Workshop	16 th , 2014
32.	Dr. D.C. Jinwala	An Expert Talk on “ Hop-by-Hop Security Approaches for Secure Data Aggregation in WSNs ” at DeITY, MCIT, Gol (as part of the sponsored research project) Sponsored STTP viz. WSN-SDARI 2014	Computer Engineering Department, S V N I T, on July 15 th , 2014
33.	Dr. D.C. Jinwala	An Expert Talk on “ Mathematical Foundations for Information Security – I ” at DeITY, MCIT, Gol (as part of the sponsored research project) Sponsored STTP viz. WSN-SDARI 2014	Computer Engineering Department, S V N I T, on July 14 th , 2014
34.	Dr. D.C. Jinwala	An Expert Talk on “ Security Issues in WSNs and Countermeasures ” at DeITY, MCIT, Gol (as part of the sponsored research project) Sponsored STTP viz. WSN-SDARI 2014	Computer Engineering Department, S V N I T, on July 14 th , 2014
35.	Dr. D.C. Jinwala	An Expert Talk on “ Introduction to the WSNs and Applications ” at DeITY, MCIT, Gol (as part of the sponsored research project) Sponsored STTP viz. WSN-SDARI 2014	Computer Engineering Department, S V N I T, on July 14 th , 2014
36.	Dr. D.C. Jinwala	An Expert Talk on “ Cryptographic Approaches for Privacy Preservation in Data Mining ” at the ISTE approved STTP titled “BIG DATA: Data Exploration and Visualization”	Department of Computer Science and Engineering at the Institute of Technology, Nirma University on 10 th July 2014
37.	Dr. D.C. Jinwala	An Expert Talk on “ Zero Knowledge Protocols ” at the ISTE approved STTP titled “BIG DATA: Data Exploration and Visualization”	Department of Computer Science and Engineering at the Institute of Technology, Nirma University on July 10 th , 2014

38.	Dr. D.C. Jinwala	An Expert Talk on "Identification & Entity Authentication : Zero Knowledge Protocols" at TEQIP-II Sponsored STTP viz. "Data Mining – Security and Privacy Issues"	Computer Engineering Department, S V N I T, on June 26 th , 2014.
39.	Dr. D.C. Jinwala	An Expert Talk on "Functional Encryption" at the National Conference on Emerging Vistas of Technology in 21st Century	Parul Institute of Technology, Limda, Vadodara on 4 th April 2014

ELECTRICAL ENGINEERING DEPARTMENT			
No.	Faculty	Title of Lecture	Place & Date
1.	Dr. M. A. Mulla	Designing and demonstrating of an Inverter circuit using Microcontroller	22 - 26 December 2014 at MNIT Jaipur
2.	Dr. M. A. Mulla	Realisation of Series Hybrid Active Power Filters	08-12 December 2014, organized at SVNIT
3.	Dr. M. A. Mulla	Designing and Demonstrating of an Inverter circuit using Microcontroller	12th Sep, 2014 B. V. P. Institute of Technology, Vidyabharti Trust, Umrakh, Bardoli
4.	Dr. M. A. Mulla	Drive Circuit Designing for Thyristor and MOSFET / IGBT	12th Sep, 2014 FETR, Isroli - Tajpore, Bardoli
5.	Dr. M. A. Mulla	Implementation of Power Electronics Systems	U. V. Patel College of Engineering, Ganpat University, Mahesana, on 25th July 2014
6.	Dr. M. A. Mulla	Measurement of High Voltage and High Current	23-27 June 2014, organized at SVNIT
7.	Dr. P. Kundu	Condition Monitoring	23-27 June 2014, organized at SVNIT
8.	Dr. A. Chowdhury	High Voltage Generation	23-27 June 2014, organized at SVNIT
9.	Dr. P. Kundu	Sweep Frequency Response Analysis	23-27 June 2014, organized at SVNIT
10.	Dr. P. Kundu	PD Measurement and DSP for High Voltage	23-27 June 2014, organized at SVNIT

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11.	Dr. M. A. Mulla	Power electronics circuit simulation using PSIM	29 Dec 2014-02 Jan 2015, organized at SVNIT
12.	Dr. R. Chudamani	Rectifier and ACVC circuits and their simulations	29 Dec 2014-02 Jan 2015, organized at SVNIT
13.	Dr. A. Chowdhury	Review of DC and AC Drives concepts	29 Dec 2014-02 Jan 2015, organized at SVNIT
14.	Dr. H. R. jariwala	Power Electronics Application to Power Quality	29 Dec 2014-02 Jan 2015, organized at SVNIT
15.	Dr. M. A. Mulla	Inverter circuits and their simulations	29 Dec 2014-02 Jan 2015, organized at SVNIT
16.	Prof. Janak J. Patel	Microcontroller based power electronics system development	29 Dec 2014-02 Jan 2015, organized at SVNIT
17.	Dr. A. K. Panchal	Power Electronics in Renewable Energy Sources	29 Dec 2014-02 Jan 2015, organized at SVNIT
18.	Dr. M. A. Mulla	Active Power Filters using ARM Cortex M4 32-bit microcontroller	29 Dec 2014-02 Jan 2015, organized at SVNIT
19.	Dr. Rakesh Maurya	Global Energy Scenario and Impact of Power Electronics in 21st Century	08-12 December2014, organized at SVNIT
20.	Dr. Rakesh Maurya	Improved Power Converters	08-12 December2014, organized at SVNIT
21.	Dr. S. N. Sharma	Kalman Filtering and Its Extensions: A Brief Survey	08-12 December2014, organized at SVNIT
22.	Dr. Vasundhara Mahajan	Power Electronics Based Controllers and Their Applications in Power System	08-12 December2014, organized at SVNIT
23.	Dr. Vasundhara Mahajan	Power quality issues, harmonics & power filter	08-12 December2014, organized at SVNIT
24.	Dr. Vasundhara Mahajan	Artificial Intelligence fundamentals and applications	08-12 December2014, organized at SVNIT
25.	Dr. R. Chudamani	Grid Interactive	30 June-04 July 2014,

		Photovoltaic System	organized at SVNIT
26.	Dr. Vasundhara Mahajan	Active Power Filters	30 June-04 July 2014, organized at SVNIT
27.	Dr. S. N. Sharma	Application of Control System in Filter Technology	30 June-04 July 2014, organized at SVNIT
28.	Dr. Sabha Raj Arya	Power Filter Design and Control Algorithms	30 June-04 July 2014, organized at SVNIT
29.	Dr. A. K. Panchal	Energy Scenario	07 July-11 July 2014, organized at SVNIT
30.	Dr. A. K. Panchal	Introduction to Solar PV	07 July-11 July 2014, organized at SVNIT
31.	Dr. Prasanta Kundu	Advances in High Voltage Technology	Department of Electrical Engineering, SVNIT, Surat during 23rd to 27th June, 2014.
32.	Dr. S N Sharma	The Kushner-Stratonovich method in control	An invited talk, Graduate School of Information and Physical Sciences, the Osaka University, Japan, November 4, 2014.
33.	Dr. S N Sharma	Future directions in control	Electrical Engineering Department, Indian Institute of Technology, Banaras Hindu University, October 20, 2014

ELECTRONICS ENGINEERING DEPARTMENT

No.	Faculty	Title of Lecture	Place & Date
1.	Dr Piyush Patel	Research Methodology	ECED, SVNIT, 5 Aug, 2014
2.	Mr. P. J. Engineer	Hardware & Software Co-design for secure Embedded Systems"	C K Pithawala College of Engineering, Surat. August 2014.
3.	Dr. (Mrs.) U. D. Dalal	MIMO Technology	Govt. Engineering college, Amaravati. 6 th Oct, 2014.
4.	Dr. (Mrs.) U. D. Dalal	Femtocell Interference in LTE	Govt. Engineering college, Amaravati.

			6 th Oct, 2014.
5.	Dr. (Mrs.) U. D. Dalal	Recent Trends in Telecommunication	IETE, Vadodara 17 th may, 2015.
6.	Dr. (Mrs.) U. D. Dalal	Advance wireless networks	Government polytechnic for Girls, Surat. 4 th may, 2015.
7.	Dr. (Mrs.) U. D. Dalal	Wireless sensor networks	Maliba Campus, Bardoli, 30 th may, 2015.
8.	Dr. (Mrs.) U. D. Dalal	Advance networks (QIP Lecture)	INS -Valsura Jamnagar. 13 th june, 2014
9.	Dr. (Mrs.) U. D. Dalal	Application on DSP(Expert Lecture & Training)	INS -Valsura Jamnagar, 26-31 dec 2014.
10.	Mrs. R. N. Dhavse	Quantum Dot Memory Devices	Malaviya National Institute of Technology, Jaipur. 28 march to 1st April 2015
11.	Dr. J.N.Sarvaiya	Image processing & its application	SVNIT, CRC Seminar Hall 2014.
12.	Mr. Golak Santra	Microwave applications(Expert lecture & training)	INS -Valsura Jamnagar, 26-31 dec 2014.

MECHANICAL ENGINEERING DEPARTMENT

No.	Faculty	Title of Lecture	Place & Date
1.	Dr. R. Venkata Rao	About 20 lectures during 3 days on MADM methods and advanced optimization techniques	SAC (ISRO), Ahmedabad, 1-3 May 2014
		About 25 lectures during AEOTIT training program on MADM methods and advanced optimization techniques	SVNIT, Surat, 22-26 September 2014
		About 25 lectures during AEOTIT training program on MADM methods and advanced optimization techniques	SVNIT, Surat, 1-5 December 2014
		5 lectures during a training program on optimization	Vishnu Engineering College,

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			Visakhapatnam, A.P., 8 th May 2014
2.	Dr. Beena D. Baloni	Design of Fans and Blowers	S.V.N.I.T.- Surat; 25-03-2015
3.	Dr. Shailendra Kumar	Applications of artificial intelligence in sheet metal forming	SVNIT, 30 th July 2014
		Analysis of punching and blanking	SVNIT, Feb' 2015
		AI applications in press tool design	SVNIT, Feb' 2015
4.	Dr. D. I. Lalwani	Computer Aided Manufacturing	N. G. Patel Ploytechnic, Bardoli, 6th Feb. 2015
		Hard Turning	C. G. PATEL Inst. of Tech., Bardoli, 29th May 2015
		Hard Turning and its experimental investigation using Design of Experiment	Mech. Engg. Dept., SVNIT, 11th June 2015.
		Response Surface Methodology – Case Studies	Chemical Engg. Dept., SVNIT, 25th June 2015
5.	Dr. B. M. Sutaria	An Innovative Approach For Friction Force Measurement of A Piston Ring Assembly	CAD Lab Seminar room, MED, SVNIT, 14-11-2015
6.	Dr. S. A. Channiwala	Research Methodology	R. C. Patel Institute of Technology, Shirpur, 21/01/2015
		Hybrid Electric Vehicles – Concepts and Design	R. C. Patel Institute of Technology, Shirpur, 21/01/2015
		Zero Effluent Discharge Biomass Gasification system – A green energy technology	L&T Hazira, 11/09/2014
		Heat Transfer during Boiling & Condensation	SVNIT, Surat, 23-27 June 2014
		Fundamental Considerations in Evolution of EV/HEV	SVNIT, Surat, 26-30 May 2014
		Gas Turbine Cycle Analysis	SVNIT, Surat, 23-27 June 2014
		Jet Propulsion	SVNIT, Surat, 23-27 June 2014

		Thermodynamic Modelling of Combustion	SVNIT, Surat, 23-27 June 2014
		Exact Determination of Adiabatic Flame Temperature	SVNIT, Surat, 23-27 June 2014
		Stoichiometry of Combustion	SVNIT, Surat, 23-27 June 2014
7.	Dr. H K Raval	Theory of stress - strain	SVNIT, 22/12/2014
		Theory of plasticity	SVNIT, 22/12/2014
		Analysis of Forging	SVNIT, 23/12/2014
		Analysis of wire drawing & extrusion	SVNIT, 23/12/2014
		Analysis of rolling	SVNIT, 24/12/2014
		Slipline theory	SVNIT, 24/12/2014
		Analysis of Deep Drawing	SVNIT, 26/12/2014
		Experimental Strain Analysis	SVNIT, 26/12/2014
		Analysis of Bending	SVNIT, 26/12/2014
8.	Dr. H. K. Dave	Advances in Metal Forming	SVNIT Surat, 26 th December 2014
		Taguchi Technique for Quality Improvement	SVNIT Surat, August 2014
		Design of Experiments	GEC Goa, 21 st November 2014
		Taguchi Technique for quality improvement	GEC Goa, 21 st November 2014
		Taguchi Robust Design	SVNIT Surat
9.	Dr. Dinesh Singh	Discussions on Various Optimization Techniques	SVNIT 20/05/2014
		Multiple Attribute Decision Making Methods	SVNIT 22/05/2014
10.	Dr Purnanand V Bhale	Invited talk on Biodiesel: Prospectus and Challenges. At the international conference on Recent Advances on Bio-energy Research	SSS National Institute of Renewable Energy (Under MNRE Govt of India)
		Advances in Solar Thermal Energy Systems	STTP on advances in renewable energy systems organised by Electrical Engineering Dept of SVNIT Surat
		Advances in Biomass and Bioenergy	STTP on advances in renewable energy systems organised by

			Electrical Engineering Dept of SVNIT Surat
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APPLIED PHYSICS DEPARTMENT			
No.	Faculty	Title of Lecture	Place & Date
1.	Dr. D. R. Roy	Introduction to G0 9 & GV	ASTMST – 2015, SVNIT (30 May 2015)
2.	Dr. D. R. Roy	Introduction to Monte – Carlo Stimulation	MOMSRES – 2015, SVNIT (24 June 2015)
3.	Dr. D. R. Roy	Introduction to Monte – Carlo Stimulation	MMSE – 2015, SVNIT (07 July 2015)
4.	Y. A. Sonvane	Introduction to Siesta	Advanced Scientific Tools for Materials Science and Technology (ASTMST- 2015) on 31 st May, 2015 which was organized by Department of Applied Physics, S. V. National Institute of Technology, Surat, Gujarat, India.
5.	Y. A. Sonvane	Role of High Performance Computing (HPC) for Scientist and Engineers	Workshop on High Performance Computing Architecture and Applications for Engineers & Scientist on 25 th January, 2015 which was organized by Department of Applied Physics, S. V. National Institute of Technology, Surat, Gujarat, India.
6.	Y. A. Sonvane	Comparative Analysis of Atomic Transport Properties of 5D Liquid Transition Metals using Different Reference	11 th International Conference on Diffusion in Solids and Liquids, DSL 2015

		Systems	which will be held in Munich (Germany)
7.	Y. A. Sonvane	Vibational Properties of Zr–Ni Metallic Glasses	6 th International Symposium on Functional Materials (ISFM 2014) held at Novotel Clark Quay Hotel, Singapore over the period of 4 th - 7 th August, 2014
8.	Y. A. Sonvane	Structural and Electronic Properties of Copper Nanowire Using First Principle Calculation	Indo- UK International Workshop On Advanced Materials And Their Applications In Nanotechnology (AMAN 2014) on 19th May, 2014 which was organized by BITS Pilani, KK Birla Goa Campus, Goa
9.	Y. A. Sonvane	Electronic & Structural properties of Ag, Au and Ni Nanowires Using First Principal Calculation	International Conference on Nanotechnology (Nanocon 014) to be held on 14th and 15th October 2014 at Pune, India.

Expert Lectures organized at SVNIT Surat as Resource Person

APPLIED CHEMISTRY DEPARTMENT				
No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
1.	Dr. Kalpana Maheria	Dr. A. A. Natu, DAAD Research Ambassador from India,	Study and research opportunities in Germany, at SVNIT, January 2015.	January 2015

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT
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No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
1.	Dr. A.K.Shukla	Prof. Vijay Gupta, NSIT, New Delhi, India	q-Calculus	13.02.2015
2.	Dr.A.K.Shukla	Dr. S.K.Upadhyay,IIT(BHU) Varanasi, India.	Wavelet Transforms	13.02.2015
3.	Dr. R. K. Jana	Gaurav Kumar	SPSS Software and Its Applications	16.02.2015
4.	Dr. V.N. Mishra	Dr. Mohan Kadalbajoo (IIT, Kanpur)	Numerical approximation	11 Aug. 2014
5.	Dr. V. H.Pradhan	Prof. K.N.S. Kasi Vishwanadham, NIT Warangal	Numerical solution of Higher order differential equations	12/12/14
6.	Dr. V. H. Pradhan	Prof V. K. Katiyar, IIT Roorkee	Mathematical modeling of real world problems	07/11/2014
7.	Dr. V. H. Pradhan	Dr. Dimple Chalishajar, Virginia Military Institute, USA	Control theory and its applications	30/12/14

APPLIED MECHANICS DEPARTMENT

No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
	Dr. C H Solanki	Dr. S. R. Gandhi, Professor of Civil Engineering, IIT Madras	Introduction to Ground Improvements	January 2015

APPLIED CHEMISTRY DEPARTMENT

No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
	Dr. C D Modhera	Dr Rajen Lavingia, UK	Forensic Engineering	30/10/2014

CHEMICAL ENGINEERING DEPARTMENT

No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture

CIVIL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
1.	Dr P L Patel	Dr. Bhaskar Ramesh (Chennai)	Near bed particle motion using high speed imaging Techniques – I & II	April 18, 2014
2.	Dr P L Patel	Dr. Subhasish Dey (IIT Kharagpur)	Turbulence in Mobile Bed Streams Sediment Threshold Bed Load Transport Suspended Load Transport and Bedforms	April 18-19, 2014
3.	Dr P L Patel	Prof. Vinod Gaur (MoES)	Research in Hydrology: Exciting Opportunities	July 14, 2014
4.	Dr P L Patel	Prof. Muddu Sekhar (IISc Bangalore)	Hydrologic Observatories	July 14, 2014
5.	Dr P L Patel	Dr. Sharad Jain (NIH Roorkee)	Surface Water Hydrology	July 14, 2014
6.	Dr P L Patel	Prof. Anil Kulkarni (IISc Bangalore)	Glacier Studies	July 14, 2014
7.	Dr P L Patel	Prof. P P Mujumdar (IISc Bangalore)	Climate Change Impacts	July 14, 2014
8.	Dr P L Patel	Prof. B S Pani (IIT Bombay)	“Boundary Layer Theory and Turbulent Flow: Concepts”	Oct. 31-Nov. 1, 2014
9.	Dr P L Patel	Dr. D Nagesh Kumar (IISc Bangalore)	“Climate Change and Its Impact on Water Resources of a River Basin” “Assessing Severe Drought and Wet Events over India in a Future Climate	Dec. 08, 2014
10.	Dr P L Patel	Dr. V Jothiprakash	Stochastic Hydrology I & II	Dec. 08-09, 2014

		(IIT Bombay)	Motivation to Civil Engineers	
11.	Dr P L Patel	Dr. M L Gaur (Godhara)	Hydrological Perspectives of Natural Agrarian Watersheds	Dec. 09, 2014
12.	Dr P L Patel	Prof. Vijay P Singh (Texas A&M University, USA)	1) "Climate Change and Water Resources" 2) "Frequency Analysis of Hydrometeorological Extremes: Application of Entropy Theory"	Dec. 09, 2014
13.	Dr. S.S. Arkatkar Dr. G J Joshi	Prof. B. K. Katti, Visiting Professor, SVNIT	Traffic Flow Scenario In India	30/06/2014
14.	Dr. S.S. Arkatkar Dr. G J Joshi	Dr. P. Vedagiri (IIT Bombay)	Assessment of Road Safety Aspects using Micro-Simulation	30/06/2014
15.	Dr. S.S. Arkatkar Dr. G J Joshi	Dr.P.J. Gundaliya, LEC, Morbi	Measurement of Traffic Flow Characteristics at Intersections	02/07/2014
16.	Dr. S.S. Arkatkar Dr. G J Joshi	Prof. Tom V. Mathew, IIT Bombay, Mumbai	Methodologies used for Signal Design & Methodologies used for Signal Design	03/07/2014
17.	Dr. S.S. Arkatkar Dr. G J Joshi	Dr.Avijit Maji, IIT Bombay, Mumbai	Fundamentals of Geometric Design of Different Roadway Elements & Geometric Design Consistency and Road safety	04/07/2014
18.	Dr. S.S. Arkatkar Dr. G J Joshi	Shri Sowmen Pradhan (Bentley Systems)	Geometric Design using MxRoads	04/07/2014
19.	Dr. S.S. Arkatkar Dr. G J Joshi	Mr.BalajiPonnu, OSU, USA	Traffic Flow Analysis using Portal Data in United States of	07/07/2014

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			America	
20.	Dr. S.S. Arkatkar Dr. G J Joshi	Dr. Ashish Bhaskar, QUT, Australia	Traffic Flow Analysis using Bluetooth Data in Australia	07/07/2014
21.	Dr. S.S. Arkatkar Dr. G J Joshi	Mr.ManrajSingh Bains, Sunovatech India	Traffic Flow Modelling using Micro-simulation Technique	08/07/2014
22.	Dr. S.S. Arkatkar Dr. G J Joshi	Prof. H. R. Varia	Dynamic Traffic Assignment	08/07/2014
23.	Dr. S.S. Arkatkar Dr. G J Joshi	Dr.Velmurugan S, CSIR-CRRI,New Delhi	Field Experience on Conducting Road Safety Audit	09/07/2014
24.	Dr. S.S. Arkatkar Dr. G J Joshi	Mr.Vikas Asawat	Patent Filing and Drafting with Special reference to innovations in Traffic Engineering.	10/07/2014
25.	Dr. S.S. Arkatkar Dr. G J Joshi	Dr.Lelitha Devi (IIT Madras)	Advanced Traffic Management using ITS in India	11/07/2014
26.	Dr. S.S. Arkatkar Dr. G J Joshi	Mr.ManrajSingh Bains, Sunovatech India	Hands on Experience on VISSIM	25/03/2015
27.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Prof. V.T. Arasan, Retired Professor, IIT-Madras	Characterization of Highly Heterogeneous Road Traffic	03/07/2015
28.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. Tom V. Mathew, IIT Bombay	Modeling and Signal Control in Heterogeneous Traffic	03/07/2015
29.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. K.V.K.Rao IIT Bombay	Sustainable Urban Transportation Planning Some Perspectives	03/07/2015
30.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. P. K. Sarkar SPA New Delhi	Developing Level of Service & Warrant for Provision of pedestrian Facilities across the Road at	03/07/2015

			Midblock	
31.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. Partha Chakraborty IIT Kanpur	Mixed Traffic Flow Conditions	03/07/2015
32.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. Sudarshan Popli RITES, New Delhi	Safety of Vulnerable Road Users on Indian Highways	03/07/2015
33.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. S. Velmurugan CSIR-CRRI, New Delhi	Measures to be undertaken for Addressing road safety Plague in India	04/07/2015
34.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. M. Parida IIT Roorkee	Traffic Noise Modeling & Abatement Measures	04/07/2015
35.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. Satish Chandra IIT Roorkee	Traffic Flow Analysis on Unsignalized Intersections	04/07/2015
36.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. K.R. Rao IIT Delhi	Macroscopic Traffic Flow Modeling- An Overview of Numerical Schemes	04/07/2015
37.	Dr. G J Joshi Dr. S.S. Arkatkar Dr. A Dhamaniya	Dr. K. Ravinder CSIR-CRRI, New Delhi	Capacity Estimation of Noida- Greater Noida Urban Expressway in National Capital Region, India	04/07/2015

ELECTRICAL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
1.	Dr. Anandita Chowdhury, Dr. Prasanta. Kundu	Dr. S. V. Kulkarni	FEM Analysis	23-27 June 2014, organized at SVNIT
2.	Dr. Anandita Chowdhury, Dr. Prasanta. Kundu	Dr. S. V. Kulkarni	Electromagnetic Field Computation	23-27 June 2014, organized at SVNIT
3.	Dr. Shambhu N Sharma, Dr. Rakesh Maurya , Dr. Vasundhara	Dr. V. Rajagopal	Voltage and Frequency Controllers for Isolated	08-12 Dec 2014, organized at SVNIT

	Mahajan, Dr. Sabha Raj Arya		Asynchronous Generators	
4.	Dr. Shambhu N Sharma, Dr. Rakesh Maurya , Dr. Vasundhara Mahajan, Dr. Sabha Raj Arya	Dr. A. R. Saxena	Higher-Order DC- DC Converters: Design & Implementation Issues	08-12 Dec 2014, organized at SVNIT
5.	Dr. Shambhu N Sharma, Dr. Rakesh Maurya , Dr. Vasundhara Mahajan, Dr. Sabha Raj Arya	Dr. A. R. Saxena	Digital Control Design for DC-DC Converters	08-12 Dec 2014, organized at SVNIT
6.	Dr. Shambhu N Sharma, Dr. Rakesh Maurya , Dr. Vasundhara Mahajan, Dr. Sabha Raj Arya	Prof. Jayaram Nakka	Multilevel HPFCs and their Role in Renewable Energy Systems	08-12 Dec 2014, organized at SVNIT
7.	Dr. Vasundhara Mahajan	Prof. Jayaram Nakka	Improved Power Quality Converters	30 June-04 July 2014, organized at SVNIT
8.	Dr. Vasundhara Mahajan	Prof. Madhusudan Singh	Power Electronics Application in Renewable Energy	30 June-04 July 2014, organized at SVNIT
9.	Dr. Vasundhara Mahajan	Dr. Shailendra Sharma	Power Filter Application in Distributed Generation	30 June-04 July 2014, organized at SVNIT
10.	Dr. Vasundhara Mahajan	Dr. Ashish Shrivastav	Power Quality Improvement in Lighting System	30 June-04 July 2014, organized at SVNIT
11.	Dr. Ashish Panchal Dr. Makarand Lokhande	Prof. Nilesh V. Shah,	Solar PV MPPT	07 July-11 July 2014, organized at SVNIT
12.	Dr. Ashish Panchal Dr. Makarand	Manoj Kumar	Concentrated PV	07 July-11 July 2014,

	Lokhande			organized at SVNIT
13.	Dr. Ashish Panchal Dr. Makarand Lokhande	Dr. Anindita Roy	Wind System	07 July-11 July 2014, organized at SVNIT

ELECTRONICS ENGINEERING DEPARTMENT

No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
1.	Mrs. R. N. Dhavse	Dr. Nihar Mohapatra	Research activities at IIT Gandhinagar	18 July, 2014
2.	Dr. (Mrs.) U. D. Dalal	Dr Jay Bhatnagar	Machine Learning and Communication Systems	25th July, 2014
3.	Dr. (Mrs.) U. D. Dalal	Prof H R Chugh	Radiation Hazards from Broadcast and Mobile Transmitters	28 July, 2014
4.	Dr. P. N. Patel	Dr. Aditya Prajapati	"The latest trends in Broadband Access Network Technology in Data Communication"	25th August, 2014
5.	Dr Piyush Patel Mr. Abhilash Mandloi	Dr. Nishith Bhatt	"Application of Sensors and Transmitters"	28th August, 2014

MECHANICAL ENGINEERING DEPARTMENT

No.	Faculty	Name of Expert	Title of Lecture	Date of Lecture
1.	Dr. R. Venkata Rao	Mr. Dinesh Gupta, Ex-Director General, Indian Ordnance Factories (Govt. of India)	Technology Trends	22nd September 2014
2.	Dr. B. M. Sutaria	DR. R. U.	MR Fluid and it's	4-2-2015, CAD

		Upadhyay, Charusat, Changa	Applications	Lab seminar room, MED, SVNIT
3.	Dr. H K Raval	Dr. Anish Gandhi	FEM in metal forming	25 December 2014
		Dr. Bharat Modi	Fundamental of hydro forming	25 December 2014
		Dr. S. Kumar	AI applications to sheet metal die design	25 December 2014
		Dr. H K Dave	Advances in Metal Forming	26 December 2014
4.	Dr. H K Raval	Dr. V. H. Pradhan	Introduction to Numerical Methods	22 December 2014
		Dr. S. Kumar	Introduction to Metal forming	23 December 2014
		Prof. C. K. Desai	Theory of fracture mechanics	24 December 2014
5.	Dr. H. K. Dave	Dr. H. K. Raval	Theory of stress- strain	22 December 2014
		Dr. H. K. Raval	Theory of plasticity	22 December 2014
		Dr. V. H. Pradhan	Introduction to Numerical Methods	22 December 2014
		Dr. S. Kumar	Introduction to Metal forming	23 December 2014
		Dr. H. K. Raval	Analysis of Forging	23 December 2014
		Dr. H. K. Raval	Analysis of wire drawing & extrusion	23 December 2014
		Prof. C. K. Desai	Theory of fracture mechanics	24 December 2014
		Dr. H. K. Raval	Analysis of rolling	24 December 2014
		Dr. H. K. Raval	Slip line theory	24 December 2014
Dr. S. Kumar	Analysis of punching &	25 December 2014		

			blanking	
		Dr. Anish Gandhi	FEM in metal forming	25 December 2014
		Dr. Bharat Modi	Fundamental of hydro forming	25 December 2014
		Dr. S. Kumar	AI applications to sheet metal die design	25 December 2014
		Dr. H. K. Raval	Analysis of deep drawing	26 December 2014
		Dr. H. K. Raval	Experimental strain analysis	26 December 2014
		Dr. H. K. Raval	Analysis of bending	26 December 2014

Paper Reviewer in International and National Journals / Conferences/ Seminars

APPLIED CHEMISTRY DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. Premlata Kumari	Journal of infection and public health	4
2.	Dr. Premlata Kumari	Medicinal Chemistry Research	2
3.	Dr. Premlata Kumari	Arabian Journal of Chemistry	1
4.	Dr. K.C. Maheria	Applied Catalysis A: General	1
5.	Dr. K.C. Maheria	Revista Mexicana de Ingeniería Química	1
6.	Dr. Naved Malek	Journal of Chemical Thermodynamics, Thermochemical Acta, Ionics, Chemical Engineering Communications, Journal of Molecular Liquids, Journal of Thermodynamics,	8
7.	Dr. Suresh Kumar Kailasa	Sensors and Actuators B: Chemical	2
8.	Dr. Suresh Kumar Kailasa	RSC Advances	2
9.	Dr. Suresh Kumar Kailasa	New Journal Chemistry	1
10.	Dr. Bharat Dholakiya	International Journal of Agriculture Sciences	1
11.	Dr. Bharat Dholakiya	Applied Energy	1
12.	Dr. Bharat Dholakiya	Sensors & Actuators: B. Chemical	1

13.	Dr. Bharat Dholakiya	International Journal of Nano Dimension	1
14.	Dr. Bharat Dholakiya	Journal of Environmental Chemical Engineering	1
15.	Dr. Bharat Dholakiya	African Journal of Biotechnology	1
16.	Dr. Ketan Kuperkar	Journal of Surfactants and Detergent	4
17.	Dr. Ketan Kuperkar	Journal of Colloid Surfaces A	1
18.	Dr. Ketan Kuperkar	Journal of Colloids and Interface Science	2
19.	Dr. Ketan Kuperkar	Editor to American Association for Science and Technology	
20.	Dr. Rajender Kumar	ACS, Journal of Applied Material and Interfaces	1
21.	Dr. Rajender Kumar	Project Reviewer of DST-SERB Government of India	1

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. A.K.Shukla	DCDIS Series A: Mathematical Analysis, University of Waterloo , Waterloo, CANADA	1
2.	Dr. A.K.Shukla	Applied Mathematics and Computation, Elsevier	1
3.	Dr. A.K.Shukla	Journal of Mathematics, Hindwai Publication	1
4.	Dr. A.K.Shukla	Journal of Applied Mathematics and Informatics, South Korea	1
5.	Dr. A.K.Shukla	Applied Mathematics & Information Sciences, Natural Sciences Pub., USA	1
6.	Dr. R. K. Jana	Proceedings of the National Academy of Sciences, India (Section A: Physical Sciences)	03
7.	Dr. R. K. Jana	Abstract and Applied Analysis	01
8.	Dr. R. K. Jana	Applied Mathematics and Information Sciences	01
9.	Dr. V.N. Mishra	Carpathian Journal of Mathematics	1
10.	Dr. V.N. Mishra	Journal of Inequalities and Applications,	1
11.	Dr. V.N. Mishra	Applied Mathematics & Computation, Elsevier	8
12.	Dr. V.N. Mishra	Filomat	2

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13.	Dr. V.N. Mishra	Turkish Journal of Mathematics	1
14.	Dr. V.N. Mishra	The Scientific World Journal (Hindawi)	1
15.	Dr. V.N. Mishra	Journal of function spaces (Hindawi)	1
16.	Dr. V.N. Mishra	Int. J. Anal. (Hindawi)	1
17.	Dr. V.N. Mishra	Facta Universitatis, Series: Mathematics and Informatics in July 2014.	5
18.	Dr. V.N. Mishra	New Trends in Math. Sci.	5
19.	Dr. V.N. Mishra	Iranian Journal of Mathematical Sciences and Informatics (IJMSI)	1
20.	Dr. V.N. Mishra	Le Matematiche	3
21.	Dr. V.N. Mishra	J. Class. Anal.	2
22.	Dr. V.N. Mishra	Proceedings of the National Academy of Sciences, India Section A: Physical Sciences	2
23.	Dr. V.N. Mishra	Iranian Journal of Science and Technology (Sciences)	1
24.	Dr. V.N. Mishra	Journal of Mathematical Extension.	1
25.	Dr. V.N. Mishra	TWMS Journal of Applied and Engineering Mathematics	2
26.	Dr. H.P. Bulsara	African Journal of Business management	1
27.	Dr. H.P. Bulsara	Herald journal marketing and business management	1
28.	Dr. H.P. Bulsara	Journal of Educational Research and Reviews	1
29.	Dr. H.P. Bulsara	Davcc's advance Management research: an International journal	1
30.	Dr. H.P. Bulsara	Indian journal of Commerce & Management studies	1
31.	Dr. H.P. Bulsara	Sky Journal of Business Administration and Management	1
32.	Dr. H.P. Bulsara	Journal of Consumer Marketing	1
33.	Dr. H.P. Bulsara	Universal Journals, Horizon Research Publishing, USA	2
34.	Dr. H.P. Bulsara	Academy of Business and Emerging Markets Conference	2
35.	Dr. H.P. Bulsara	AshEse Journal of Business Management	3
36.	Dr. H.P. Bulsara	Contemporary Economics	1
37.	Dr. H.P. Bulsara	ERJ	1
38.	Dr. H.P. Bulsara	Faculty of Management Rzeszów	1

		University of Technology	
39.	Dr. H.P. Bulsara	PSR Centre Conferences	2
40.	Dr. H.P. Bulsara	World Journal of Agricultural Sciences	1
41.	Dr.Jayesh.M.Dhodiya	International Journal of Applied and Computational Mathematics (IACM)	1
42.	Dr.Jayesh.M.Dhodiya	Journal of Economics and International Business Management	1
43.	Dr. Sushil Kumar	Heat and Mass transfer , Springer Publication	03
44.	Dr. Sushil Kumar	Mathematical problems in Engineering, Hindawi Publication	01
45.	Dr. Sushil Kumar	Ain Sham Journal, Science direct Publication	01
46.	Dr. Sushil Kumar	Extreme mechanics letter, Science direct Publication	01
47.	Dr.Ramakanta Meher	Journal of Applied Fluid Mechanics	04

APPLIED MECHANICS DEPARTMENT

No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. C H Solanki	Advances in Environmental Research - An International Journal (Techno Press)	--
2.	Dr. C H Solanki	3rd International Conference on recent trends in Engineering and Technology	--
3.	Dr. C H Solanki	National conference on Emerging Vistas of Technology in 21st Century	--
4.	Dr. C H Solanki	Geotechnical and Geological Engineering	01

CHEMICAL ENGINEERING DEPARTMENT

No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. Z. V. P. Murthy	ACS Applied Materials & Interfaces	1
2.	Dr. Z. V. P. Murthy	Advances in Polymer Technology	1
3.	Dr. Z. V. P. Murthy	AIChE Journal	1
4.	Dr. Z. V. P. Murthy	Analytical Methods	1
5.	Dr. Z. V. P. Murthy	Applied Surface Science	1

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6.	Dr. Z. V. P. Murthy	Applied Water Science	1
7.	Dr. Z. V. P. Murthy	Arabian Journal for Science and Engineering	1
8.	Dr. Z. V. P. Murthy	Asia-Pacific Journal of Chemical Engineering	1
9.	Dr. Z. V. P. Murthy	ATINER Publications	1
10.	Dr. Z. V. P. Murthy	Bulgarian Chemical Communications	1
11.	Dr. Z. V. P. Murthy	Colloids and Surfaces A: Physicochemical and Engineering Aspects	1
12.	Dr. Z. V. P. Murthy	Crystal Growth & Design	1
13.	Dr. Z. V. P. Murthy	CrystEngComm	1
14.	Dr. Z. V. P. Murthy	Crystal Research and Technology	1
15.	Dr. Z. V. P. Murthy	Current Pharmaceutical Analysis	2
16.	Dr. Z. V. P. Murthy	Desalination and Water Treatment	2
17.	Dr. Z. V. P. Murthy	Environmental Monitoring and Assessment	1
18.	Dr. Z. V. P. Murthy	Environmental Science & Technology Letters	1
19.	Dr. Z. V. P. Murthy	International Journal of Nanoscience and Nanotechnology	1
20.	Dr. Z. V. P. Murthy	Journal of Chemistry	1
21.	Dr. Z. V. P. Murthy	Journal of Environmental Management	3
22.	Dr. Z. V. P. Murthy	Journal of Hazardous Materials	3
23.	Dr. Z. V. P. Murthy	Journal of Industrial and Engineering Chemistry	1
24.	Dr. Z. V. P. Murthy	Journal of Membrane Science	2
25.	Dr. Z. V. P. Murthy	Journal of Membrane Science and Research	1
26.	Dr. Z. V. P. Murthy	Journal of Porous Materials	2
27.	Dr. Z. V. P. Murthy	Journal of the Taiwan Institute of Chemical Engineers	1
28.	Dr. Z. V. P. Murthy	Materials Science and Engineering B-Advanced Functional Solid-State Materials	1
29.	Dr. Z. V. P. Murthy	Nano	1
30.	Dr. Z. V. P. Murthy	Optics and Lasers in Engineering	1
31.	Dr. Z. V. P. Murthy	Particulate Science and Technology	1
32.	Dr. Z. V. P. Murthy	Research on Chemical Intermediates	1
33.	Dr. Z. V. P. Murthy	RSC Advances	2
34.	Dr. Z. V. P. Murthy	Separation and Purification Technology	1

35.	Dr. Z. V. P. Murthy	Thermochimica Acta	1
36.	Dr. Jigisha Parikh	Chemical Engineering Communications	1
37.	Dr. Jigisha Parikh	Environmental Progress & Sustainable Energy	1
38.	Dr. Jigisha Parikh	Industrial & Engineering Chemistry Research	1
39.	Dr. Jigisha Parikh	Indian Journal of Chemical Technology	1
40.	Dr. Jigisha Parikh	Journal of Hazardous Materials	2
41.	Dr. Jigisha Parikh	Journal of Loss Prevention in the Process Industries	1
42.	Dr. Jigisha Parikh	Journal of Thermal Analysis and Calorimetry	1
43.	Dr. Jigisha Parikh	Thermochimica Acta	1
44.	Dr. Jigisha Parikh	Research on Chemical Intermediates	1
45.	Dr. Mausumi Mukhopadhyay	Colloids and Surface A: Physicochemical and Engineering Aspects (Elsevier Scientific Publication)	2
46.	Dr. Mausumi Mukhopadhyay	Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (Elsevier Scientific Publication, Switzerland)	1
47.	Dr. Mausumi Mukhopadhyay	Environmental Science and Technology (American Chemical Society, USA) (SCI/SCIE Journal)	1
48.	Dr. Mausumi Mukhopadhyay	Catalysis Communications (Elsevier Scientific Publication)	1
49.	Dr. Mausumi Mukhopadhyay	Material Science and Engineering C (Elsevier Scientific Publication)	1
50.	Dr. Mausumi Mukhopadhyay	Applied Nanoscience (Springer)	2
51.	Dr. V. N. Lad	Journal of Medicinal Plant Research	2
52.	Dr. V. N. Lad	Journals of Institution of Engineers - India	2
53.	Dr. Sanjay R. Patel	International Journal of Sustainable Energy	1
54.	Dr. A. K. Jana	Chemical Engineering Science	1
55.	Dr. A. K. Jana	Asia Pacific Journal of Chemical Engineering	1
56.	Dr. A.A. Mungray	Environmental Technology	1

CIVIL ENGINEERING DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr P L Patel	Journal of Hydraulic Engineering, ASCE	One
2.	Dr. P L Patel	International Journal of Sediment Research (IJRS), Published by Elsevier	One
3.	Dr. P L Patel	Journal of Hydraulic Engineering, Indian Society for Hydraulics (ISH), Published by Taylor's and Francis , U K	Six
4.	Dr. P L Patel	Measurement, Published by Elsevier	One
5.	Dr P L Patel	Water Resources Management, Springer	Two
6.	M Mansoor Ahammed	Water Research	One
7.	M Mansoor Ahammed	Chemical Engineering Science	One
8.	M Mansoor Ahammed	Waste Management	One
9.	M Mansoor Ahammed	Water Science and Technology	Two
10.	M Mansoor Ahammed	Water Science and Technology: Water Supply	Two
11.	M Mansoor Ahammed	Journal of Industrial and Engineering Chemistry	One
12.	M Mansoor Ahammed	Journal of Environmental Management	Two
13.	M Mansoor Ahammed	Journal of Water and Health	One
14.	K. A. Chauhan	IJCIET	Two
15.	Namrata Jariwala	Indian Journal of Geo-Marine Sciences (IJMS)	One
16.	Dr K D Yadav	Waste Management Environmental Science and Pollution Research	Two
17.	Dr. Ashish	International Journal of Civil	Two

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	Dhamaniya	Engineering, Iran (SCI Listed)	
18.	Dr. Ashish Dhamaniya	Journal of Indian Roads Congress	One
19.	Dr S S Arkatkar	Journal of Transportation Engineering, ASCE.	One
20.	Dr S S Arkatkar	Transportation Research Part A, Elsevier.	One
21.	Dr S S Arkatkar	European Transport Research Review- An Open Access Journal, Springer	Two
22.	Dr S S Arkatkar	Transportation Letters:the International Journal of Transportation Research	Two
23.	Dr S S Arkatkar	Case Studies in Transport Policy, Elsevier	Two
24.	Dr S S Arkatkar	11th TPMDCTransportation Planning and Implementation Methodologies for Developing Countries 10-12 December 2014, IIT Bombay	Eight
25.	Dr S S Arkatkar	11th International Conference of Eastern Asia Society of Transportation Studies, 11-15 September at Cebu, Philippines	Three
26.	Dr S S Arkatkar	3rdConference of Transportation Research Group of India, 17-19 December, 2015.	Thirteen
27.	Dr S S Arkatkar	Guest Editor for special issue on 'Traffic operations and Highway capacity in India' hosted by Transportation Letters: the International Journal of Transportation Research	Ten

COMPUTER ENGINEERING DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Mukesh A. Zaveri	Pattern Recognition Letters Elsevier Publication	2
2.	Mukesh A. Zaveri	IET Journal of Image Processing	1
3.	Mukesh A. Zaveri	Indian Conference on Computer Vision, Graphics and Image	5

		Processing (ICVGIP) 14-18 Dec. 2014, Bangalore, India.	
4.	Mukesh A. Zaveri	The seventh ACM Compute 2014 organized by ACM Nagpur Chapter during 9-11 October 2014 at VNIT Nagpur, Maharashtra (also as programme committee member)	4
5.	Mukesh A. Zaveri	Elsevier Journal of Biomedical Signal Processing and Control	1
6.	Mukesh A. Zaveri	IEEE Transactions on Intelligent Transportation Systems	1
7.	Mukesh A. Zaveri	Elsevier Journal of Infrared Physics & Technology	1
8.	Mukesh A. Zaveri	Signal Processing Journal Elsevier Publication	1
9.	Mukesh A. Zaveri	National Conference on Communications (NCC 2015) during February 27 – March 1, 2015 at IIT, Bombay	5
10.	Mukesh A. Zaveri	American Journal of Undergraduate Research	1
11.	Udai Pratap Rao	International Conference on Computing, Communication and Automation (ICCCA2015) during 15-16 May 2015	03
12.	Udai Pratap Rao	National Conference on "Emerging Vista of Technology in 21 Century" during 10th-11th May 2013	05

ELECTRICAL ENGINEERING DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. Prasanta Kundu	IEEE Transactions on Power Delivery	2
2.	Dr. Prasanta Kundu	International Conference On Industrial And Information Systems (ICIIS)	1
3.	Dr. Prasanta Kundu	National Conference on "Emerging Vistas of Technology in 21st Century"	2
4.	S N Sharma	Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, the UK's National Academy of Sciences,	1

		London, UK	
5.	S N Sharma	International Journal of Control, UK. (one paper reviewed)	1
6.	S N Sharma	Non-linear Dynamics (An international Journal for dynamics and control),	1
7.	S N Sharma	The 2016 Indian Control Conference (ICC), Indian Institute of Technology Hyderabad, January 4-6, 2016. (Reviewed one)	1
8.	S N Sharma	The 54th IEEE Conference on Decision and Control(CDC), Osaka International Convention Center, Osaka, Japan, December 15-18, 2015. (Reviewed one)	1
9.	S N Sharma	The 2015 European Control Conference (ECC), Johannes Kepler University, Linz, Austria, July 15-17, 2015. (Reviewed two papers)	1
10.	S N Sharma	Reviewer, the 27th Chinese Control and Decision Conference (CCDC), Qingdao, China during, May 23-May 25, 2015. (Reviewed two papers)	2
11.	S N Sharma	9th IFAC symposium on Control of Power and Energy Systems December 9-11, 2015. Indian Institute of Technology, Delhi, India. (Reviewed one)	1
12.	S N Sharma	MED'14, 22nd Mediterranean Conference on Control and Automation, University of Palermo, Italy, July 16-19, 2014.	1
13.	S N Sharma	the 19th IFAC World Congress, International Federation of Automatic Control, Cape Town, South Africa, 24-29 August 2014. (Reviewed two papers)	Two papers
14.	Dr. A.Chowdhury	Third International Conference on Computer, Communication, Control and Information Technology (C3IT 2015),	Two papers

ELECTRONICS ENGINEERING DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Mrs. J. N. Patel	ICTACT Journal on Communication Technology , ICT Academy of Tamil Nadu	01
2.	Mr. Z. M. Patel	Int. Conf. ET2ECN 2014, SVNIT, Surat	3
3.	Mrs. R. N. Dhavse	Int. Conf. ET2ECN 2014, SVNIT, Surat	13
		Journal & engineering and technology	01
4.	Mrs. S. N. Shah	McGraw Hill Book on wireless communication	4 chapters
5.	Dr. Piyush Patel	"IEEE Sensor Journal", U.K	01
		"WSEAS Transactions on Communications", Athens, Greece.	01
		"WSEAS Transactions on Systems and Control", Athens, Greece.	01
		"Journal of Electrical Engineering", David Publications, USA.	02
		Fourth International Conference on Advances in Computing, Communication and Control (ICAC3'15), 3-4 April 2015, Fr. Conceicao Rodrigues College of Engineering, Mumbai, India.	02
		National Conference on "Emerging Trends in Communication and VLSI Design, 10 th March 2015, Kings College of Engineering, Chennai, India	01
		IEEE International Conference on Advances in Electronics, Computers and Communications (ICAECC), 10-11 October 2014, Reva Institute of Technology and Management, Bangalore, India.	02
		2 nd IEEE International Conference on Emerging Technological Trends in Electronics, Communication and Networking, Dec-2014, SVNIT, Surat, India.	08

		'Optical Fiber Communication' by Keser, McGraw-Hill Publication, December 2014.	3 chapters
		'Optical Communication', Oxford University Press, December 2015	3 chapters
		'Opical fiber Communication', Cambridge Publication, January 2015.	3 chapters
6.	Dr. J. N. Sarvaiya	IET Science , measurement and technology	01
		IETE technology review	01
		Analog Electronics Circuits(Cambridge university press) (chapter review)	1 Chapter

MECHANICAL ENGINEERING DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. R. Venkata Rao	International Journal of Advanced Manufacturing Technology, UK	06
		Journal of Engineering Manufacture, UK	05
		International Journal of Production Research, UK	02
		Journal of Intelligent Manufacturing, UK	04
		International Journal of Mathematical and Computer Modeling, Elsevier	02
		Heat and Mass Transfer, Germany	02
		Scientia Iranica, Elsevier	01
		IEEE Transactions on Industrial Informatics	02
		SME-Journal of Manufacturing Systems, Elsevier, USA	01
		Arabian Journal of Science and Engineering, Springer	02
		Information Sciences, Elsevier	01
		Applied Soft Computing, Elsevier	06
		Engineering Optimzation, Taylor & Francis, UK	02
		Computers & Industrial Engineering,	01

		Elsevier	
		Applied Mathematical Modeling, Elsevier, USA.	02
		IEEE Transactions on Industrial Informatics	02
		International Journal of Engineering, Project, and Production Management (NUS, Singapore)	02
		International Journal of Applied Evolutionary Computation (IGI Global, USA)	01
		Machining Science & Technology, Taylor & Francis	01
		International Journal of Industrial Engineering Computations, Canada	01
2.	Dr. Bade Mukund H.	Energy Conversion and Management	12
3.	Dr. Shailendra Kumar	Institution of Mechanical Engineers, Part-B: Journal of Engineering Manufacture	05
		Int. Conference on Advances in Materials Processing Technology (AMPT-2014)	02
4.	Dr. B. M. Sutaria	Journal of Engineering Tribology, Part J	01
5.	Mr. Sandeep Soni	Proceedings of the Institution of Mechanical Engineers [IMEchE], Part J: Journal of Engineering Tribology, SAGE JOURNALS	02
6.	Dr. S. A. Channiwala	24 th National Conference on IC Engines and Combustion	11
		International Journal of Fuel	02
		Sadhana – Academic Proceedings in Engineering Science	02
		SASEC	03
		FMFP	02
		ICCME 2015	02
7.	Dr A D Parekh	International Journal of Applied Thermal engineering	02
8.	Dr. H K Raval	International Journal of Advanced Manufacturing Technology	02
		International Journal of Material Forming	01
		Materials and Design	01

9.	Dr. H. K. Dave	The International Journal of Advanced Manufacturing Technology	2
		Materials and Manufacturing Processes	4
		International Journal of Machining Science and Technology	2
10.	Dr Purnanand V Bhale	Journal of Renewable and Sustainable Energy Reviews, Elsevier, Science Direct	6
		Energy and Fuels by American Chemical Society	01
		24 th National Conference on I C Engines and Combustion	5
		Journal of Biofuel and Bioenergy	05
		Environmental Toxicology by Springer	01
		Ph D Theses	02
		Review of R & D Proposal from a Govt agency	02

APPLIED PHYSICS DEPARTMENT			
No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1.	Dr. K. N. Pathak	Indian Journal of Radio & Space Physics - NISCAIR	01
2.	Dr. K. N. Pathak	Journal of Advances in Space Research	01
3.	Dr. D. V. Shah	Journal of Physics & Chemistry of Solids	01
4.	Dr. D. V. Shah	International Journal of ACTA Crystallographica – Section B	01
5.	Dr. D. R. Roy	Indian Journal Of Physics	01
6.	Dr. D. R. Roy	Journal of Chemical Sciences	01
7.	Dr. D. R. Roy	Spectrochimica Spectra Part A	01
8.	Y. A. Sonvane	DAE Conference Proceeding	03
9.	Y. A. Sonvane	NANOCON paper Proceeding	02
10.	Y. A. Sonvane	Nanomaterials and Energy	01
11.	Y. A. Sonvane	Physics & Chemistry of Solids	01

11. ANNEXURES

11.1 a) Research Projects and Consultation Jobs:

APPLIED CHEMISTRY DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency: Department of Science and Technology, Govt. of India, New Delhi (under WTI programme)					
30/03/2015	Use of Inorganic / Hybrid ion exchanger for the removal of toxic metals from industrial waste water	Dr. Kalpana Maheria	31,40,000	3 years	Ongoing
Sponsoring Agency: SVNIT, Surat (Institute research grant for Assist. Professors)					
17/02/2014	Development of molecular sieve based catalysts for the green synthesis of pharmaceuticals through multicomponent reactions	Dr. Kalpana Maheria	10,00,000	2 years	Ongoing
Sponsoring Agency: SVNIT, Surat (Institute research grant for Assist. Professors)					
17/02/2014	Chemistry and applications of green solvents: Ionic liquids	Dr. Naved Malek	10,00,000	2 years	Ongoing
Sponsoring Agency: Department of Science and Technology, Govt. of India, New Delhi					
13/05/2014	Development of novel supramolecular sensing systems using fluorescent quantum dots	Dr Suban K. Sahoo	40,00,000	3 years	Ongoing
Sponsoring agency: GUJCOST, Gandhinagar					
18/03/2013	Synthesis of Novel Pyrimidine-(2, 4, 6)-(1H, 3H, 5H)	Dr. Bharat Dholakiya	2,00,000	2 years	Ongoing

	Trione Based Anticancer Agents from RasphanusStavivus L. (Brassieaceae) as Plant Source and Algae as Marine Source.				
Sponsoring agency: CSIR, New Delhi					
1/12/2013	"Biodiesel Purification: Preparation of Novel Biodegradable Purification Material from Saw Dust and Development of Cutting Cost Dry Wash Biodiesel Purification Technology."	Dr. Bharat Dholakiya	13,90,000	2 years	Ongoing
Sponsoring agency: Institute Research Grant					
10/02/2014	"Synthesis and Biological Evaluation of Antrocinamomide C and Unnatural Analogues"	Dr. Bharat Dholakiya	10,50,000	2 years	Ongoing
Sponsoring agency: SERB					
04-09-2014	Polymer-graphene-antimicrobial protein hybrid composite microspheres as potent biocidal agents with attract and kill protein – metal synergy"	Dr. Rajender Kumar	12,00,000	2 years	Ongoing

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency: GUJCOST					
30/03/2015	GUJCOST	Twinkle R. Singh	lin procedure	02 year	
Sponsoring Agency: DBT					
25/03/2011	Establishment of Bioinformatics Infrastructure Facility For Biology Teaching Through Bioinformatics (DBT)	Dr. Neeru Adlakha	20 Lakhs	Mar 2011 to 2016	On going
Sponsoring Agency: CSIR					
30.10.2014 (CSIR)	Wright type Generalized Hypergeometric Functions: Inequalities and Applications	Dr. R. K. Jana as Co-PI	Rs. 97,500/-	2015-2018	ongoing
Sponsoring Agency: SVNIT					
17.02.2014 (SVNIT)	Data Assimilation methods in Numerical Weather Prediction	Dr. R. K. Jana	Rs. 10,00,00/-	2014-2016	ongoing
17/02/2014	A study of mechanisms to develop Techno-Entrepreneurship Culture in the Students of Engineering & Technology Institutes of Surat region of Gujarat, India (Principal Investigator)	Dr. Hemantkumar P. Bulsara	Rs.800000/-	2014-2016	Ongoing
17.02.2014 (SVNIT)	Solution of Multi-objective Transportation	Dr. Jayesh M. Dhodiya	Rs.2,00,000/-	2014-2016	Ongoing

	Problem by Gery Situation Decision making Theory				
Sponsoring Agency: Others					
25/09/2014	Development of Course in Pedagogy framework: Industrial Management (Principal Investigator with Dr. Ravi Kant , MED, SVNIT as a Co-investigator)	Dr. Hemantkumar P. Bulsara	580000 (Honorarium, Support and contingency)		Ongoing

APPLIED MECHANICS DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency					
2013-14	Seismic resistant steel beam-column joint	Dr G R Vesmawala	4,30,000/- by GUJCOST	2 Years	ongoing

CHEMICAL ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency: CSIR, New Delhi					
16/04/2013	Studies on Novel Techniques for Extraction of Essential oil from Patchouli	Dr. J. K. Parikh (PI) Dr. M. A. Desai (Co-PI) Dr. G. C. Jadeja (Co-PI)	9,28,000/-	2 years	Ongoing
R & D Project Grant of the Institute for Assistant Professors					
2014	Fabrication of cathode nanocomposites for applications in supercapacitor and	Principal Investigator: Dr. C. M. Patel	10 Lacs	2 years	Status: ongoing.

	lithium-ion battery by nanogrinding				
Naval Research Board (NRB), Defence Research and Development Organisation (DRDO) Bhavan, New Delhi, India					
Jan. 2015	"Application of Benthic Microbial Fuel Cell (BMFC) for powering Naval Sensors"	Principal Investigator: Dr. A.K. Mungray; Co-Investigator; Dr. Alka A. Mungray & Dr. K. Suresh Kumar	17.776 Lacs	3 Years	On going
R & D TEQIP Project Grant of the Institute for Assistant Professors					
2014	"Treatment of Combined Textile and Municipal Wastewater by Bio-Electrochemical Processes using Novel Cross-linked Microbial Fuel Cell (CMFC)".	Principal Investigator: Dr. A. K. Mungray;	Rs. 9.80 Lacs	1 years	Status: ongoing.
Institute Research Grant, MHRD					
Sanctioned in 2014	A study on particle size and morphology of clopidogrel hydrogen sulfate by anti-solvent crystallization	Principal Investigator: Dr. S. R. Patel	10,00,000/-	Two year	Status: ongoing.
R & D Project Grant of the Institute for Assistant Professors					
2014	Performance assessment of various hydrotropes and optimization of hydrotropic extraction of natural product	Principal Investigator: Dr. Meghal A. Desai	10,00,000/-	2 Years	Ongoing
R & D TEQIP Project Grant of the Institute for Assistant Professors					
2014	"A revolutionary	Principal	Rs. 9.70 Lacs	1 years	Status:

	approach for regeneration of grapheme based membrane and draw agent in UASB-EFO (Up flow anaerobic sludge blanket-Electric field attached, Forward Osmosis) for the production of pure water from municipal wastewater".	Investigator: Dr. A. A. Mungray;			ongoing.
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CIVIL ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Duration	Status
July 2013 (TEQIP-II)	Centre of Excellence (COE) on Water Resources and Flood Management	Dr P L Patel	5 crores	Three Years	Ongoing
2014 (National Mission Project on Education through ICT, MHRD)	Pedagogical course on 'Hydrology and Flood Control' development (e-learning package)	Dr P L Patel (Coordinator) Dr. P V Timbadiya	5 Lakhs	Two Years	Ongoing
May 2014 (SERB, DST)	Use of water treatment plant sludge for the post treatment of UASB reactor treating municipal	M Mansoor Ahammed	Rs 16.90 lakhs	3 years	Ongoing

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	wastewater				
22/11/2011	Development of Guideline for Preventing Elderly Users Injuries at Intersection"	Rakesh Kumar & Krupesh A. Chauhan	Rs. 38,62,305	5 years	Ongoing
04/01/2013	Utilization Of Copper Slag And Fly-Ash For Road Construction And Building Materials	Rakesh Kumar & Krupesh A. Chauhan	Rs.16,93,620/	3 years	Ongoing
2014 (SVNIT)	Design of Filter for Greywater Treatment	Dr K D Yadav	7.2 Lakh	2 Year	Running
2014 (DST)	Use of water treatment sludge for the post treatment of UASB reactor for treating municipal wastewater	Dr K D Yadav Dr M Manssor Ahammed	16.9 Lakh	3 Year	Running
July 2012 (CRR)	Development of Indo – HCM Manual	Dr. GJ Joshi Dr. Ashish Dhamaniya Dr. SS Arkatkar	100.45 Lakhs	05 years	Ongoing
February 2015	Strengthening of ONGC valve station road in Khandhar Field, Bharuch	Dr. GJ Joshi Dr. Ashish Dhamaniya Dr. SS Arkatkar	17.15 Lakhs	04 Months	Completed
May 2015	Strengthening of ONGC valve station road in Bhata, Surat	Dr. Ashish Dhamaniya	5.78 Lakhs	04 Months	Ongoing
May 2015	Construction of Tad creek bridge at Diu	Dr. GJ Joshi Dr. Ashish Dhamaniya Dr. SS Arkatkar	18 Lakhs	01 year	Ongoing

July 2013 (SVNIT-Surat)	Dr P V Timbadiya	Future Trend Identification In daily precipitation in Tapi basin using Statistical downscaling	9,99,885	2 years	Ongoing
17/02/2014	Geo-textile Application For Founding Flexible Pavement On Expansive sub grade	R. M. Tailor	Rs 9.80 lakhs	2 yrs	On going
May 2013 (BITS Pilani)	Study of Traffic Flow Characteristics on Indian Expressways	DST, New Delhi	21.74 Lacs	3 Years	On going
(Since July 2014)			-	-	In Process
(Since January 2015)			1 lac	1 year	In Process
(since February 2015)				4 months	Completed

COMPUTER ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sep 2014	Information security Education and Awareness Programmer	Prof Dhiren R Patel, Prof Devesh C Jinwala	Rs 45 lakhs	Five Years	Ongoing
Oct 2011	Secure Data Aggregation in Wireless Sensor Networks	Prof Devesh C Jinwala Dr Sankita J Patel	Rs 48 lakhs	Three Years	Completed

April 2012	Replay Protection in Wireless Sensor Networks	Prof Devesh C Jinwala Dr Sankita J Patel	Rs 2.44 lakhs	Two years	Ongoing
January 2011	Immersive Navigation for Walk through Application under Indian Digital Heritage (IDH) - Hampi DST sponsored project	Prof. M. V. Joshi – PI (DAIICT, Gandhinagar) Dr. Mukesh A. Zaveri - Co PI (SVNIT, Surat) Dr. Hemant Patil – Co PI (DAIICT, Gandhinagar)	Rs. 38 lacs	3 years	On going
March 2014	Technical consultancy project on "Gemstone Scanning and Fitting" for Kohinoor Techno Engineers Limited, Surat.	Dr. Mukesh A. Zaveri	Rs. 1 lac	6 months	Completed

ELECTRICAL ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency: CSIR					
22(0679)/14/EMR-II January 2015	Development of stochastic filtering algorithms for coloured noise processes: control-theoretic perspective,		Two lacks and seventy-three thousand rupees	Two years	Under progress
Sponsoring Agency: IIT Kharagpur					
1-10-2013	Pedagogy research project		5,00,000 x 2 = 10,00,000	Two years	Under progress

	(02 Nos.)				
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ELECTRONIC ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency: DST					
15/11/2011	Performance Appraisal of A FG MOS Transistor by Using Quantum Dots Floating Gate in 45 nm Regime	Dr. V. Mishra Mrs. R. N. Dhavse	Rs. 16,43,000	2.5 Years	Completed on June 2014
01/10/2012	Development of Intelligent optical bio-chemical sensor using optical fiber gratings	Dr. V. Mishra Phd Scholar Sunita Ugale	Rs. 34,00,000	3 Years	On Going
Sponsoring Agency: INUP, IIT Bombay					
10 th Oct 2014	Characterization of floating Gate MOS capacitors	Mrs. R. N. Dhavse	-	2 Months	Completed On December 2014
1 st Oct, 2013	Fabrication & Characterization of Conventional & Quantum Dots Floating GATE MOSCAP Structure for Thin Tunnel Oxides	Dr. R. M. Patrikar, Dr. V. Mishra, Mrs. R. N. Dhavse	---	6 months	Completed On June 2014
Sponsoring Agency: BRNS					
December, 2014	FPGA Based Adaptive Filter For Noise Cancellation	Dr. A. D. Darji Dr. J. N. Sarvaiya	Rs. 24,00,000	02 Years	Sanctioned
Sponsoring Agency(DRDO, New Delhi)					
3 rd May 2011	Fabrication, characterization	Dr. V. Mishra Dr. Piyush	30 lacs	4 Years	On going

	and application of porous silicon as optical biosensor device	Patel Dr. J. N. Sarvaiya			
17 th February 2015	Fabrication and Characterization Radome Structures for Microstrip Patch Antenna	Dr. (Mrs.) U. D. Dalal Dr. Piyush Patel Dr. Y. P. Costa	30,90,940	3 years	On Going
Sponsoring Agency(SAC/ISRO, Ahmedabad)					
12 th January,2015	IRNSS Navigation Receiver Field Train and Data Collection between SAC, Ahmedabad and SVNIT, Surat	Dr. (Mrs.) U.D. Dalal, Dr. S. N. Shah, Mr. Mehul Desai, Mr. Ronak Trivedi	IRNSS Navigation Receiver Set	2 years	On Going
Sponsoring Agency (Deity, New Delhi)					
21 st October, 2014	Visvesvaraya Ph.D scheme for Electronics and Information Technology	Nodal Officer: Dr. D.C. Jinwala	55.06 Lakhs	5 years	On Going

ELECTRONIC ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
Sponsoring Agency: GUJCOST					
2013-2014	Analysis, Design & Experimental Investigation on Radial Inflow Micro Gas Turbine	Project Coordinator: Dr. S. A. Channiwala; Project Co-coordinator: Beena D. Baloni	5 Lac	2 years	Ongoing
Sponsoring Agency: SERB, DST, Govt. of India					
May, 2014	Automation of design of	Dr. Shailendra	24.10 Lakhs	2014-2017	Ongoing

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	compound dies for sheet metal industries	Kumar SERB, DST, Govt. of India			
Sponsoring Agency: NRB, Govt. of India					
Feb'2015	Investigation on the influence of Machining Parameters in the Machining of Carbon epoxy composite with AWJM to improve surface finish and minimize defects	Dr. Shailendra Kumar	18.12 Lakhs	2015-2018	Ongoing
Sponsoring Agency - DST					
Feb 2012	Design, Development & Investigation on Two Stage GM type Pulse Tube Cryocooler for 10K Application	Dr. H.B. Naik Dr. K.P. Desai Dr. M. D. Atrey (IIT-B)	Rs. 29,00,000/-	3 Years	Ongoing
July 2013	Development of Thermoacoustically driven pulse tube Refrigeration	Dr. H.B. Naik Dr. M. D. Atrey (IIT-B)	Rs. 24,99,000/-	3 Year	Ongoing
Sponsoring Agency - ARDB					
07 October 2014	Parametric Investigations on Upward Swirl Gas Turbine Combustor	Dr. Jyotirmay Banerjee and R D Shah	Rs. 20.12 lakhs	2 years	Ongoing
Sponsoring Agency - BRNS					
21st July 2014	Mathematical Modeling of Thermal Dispersion of Effluent released into Moticher Lake at KAPS	Dr. Jyotirmay Banerjee	Rs. 24,99,600 /-	2 years	Ongoing
Sponsoring Agency - SERB					

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23 May 2014	Experimental Analysis of slug regime in Gas-Liquid Two-Phase flow through pipes	Dr. Jyotirmay Banerjee	25,18,400/-	3 years	Ongoing
Sponsoring Agency - THDCL India Ltd.					
7 th July 2014	Conduction of Computational Fluid Dynamics (CFD) simulation of hydro turbine unit including tail race channel of Koteshwar Hydro-electric Project	Dr. Jyotirmay Banerjee	-	-	Ongoing
Sponsoring Agency - GUJCOST					
2014	Towards higher generation biofuel : Characterization, Material Compatibility, Storage Stability and Engine Performance	Dr. Purnanand V. Bhale	4.00 Lakhs	14-2016	Ongoing
Sponsoring Agency – SVNIT					
2014	Performance, emission and system compatibility studies of CI engine using biodiesel obtained from high free fatty acid oil.	Dr. Purnanand V. Bhale	10.00 Lakhs	14-2016	Ongoing
Sponsoring Agency – SVNIT					
2014	Design, Development, Testing and Analysis of Fuel Reforming Reactor for Biogas Upgradation to Syngas	Mr. Vikram Rathod	9.90 Lakhs	2014-16	Ongoing
Sponsoring Agency – Omnibus Industrial Development Corporation Daman					
2014	Advisory services	Dr.	28,000	2014	Completed

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	for recommendation of 32 seater buses	Purnanand V. Bhale, Dr. S A Channiwala			
Sponsoring Agency – Tapi Zilha Panchayat Animal Husbandary					
2015	Advisory services for finalizing specifications/ recommendation of 150 Chauff Cutter/ Milking Set	Dr. Purnanand V. Bhale Dr K P Desai	25000 (inclusive of testing and consultation charges)	March 2015	Completed
30/06/2014	Flame Propagation & Stabilization Studies in Gas Turbine Combustion Chambers using Hydrogen as Fuel	Dr. S. A. Channiwala	8.50 Lacs	3 yrs	Ongoing
2013-14	Analysis, Design and Experimental Investigations on Radial Inflow Micro Gas Turbine	Dr. S. A. Channiwala	5.00 Lacs	3 yrs	Ongoing
Sponsoring Agency: GUJCOST, Gandhinagar					
June 2014	Study of effect of tooling on formability of 6xxx aluminium alloys during single point die-less rapid prototyping (Incremental Forming)	Dr. H K Raval	5,00,000/-	2 years	Ongoing
Sponsoring Agency : SVNIT Surat					
Feb 2014	Study of Bond Strength of Ultrasonic Welded Joints of Dissimilar Metals	Dr. H. K. Dave	Rs. 10,00,000/-	2 years	Ongoing
Sponsoring Agency : GUJCOST, Gandhinagar					
Jan 2015	Generation of Non-Circular Cavity using Planetary	Dr. H. K. Dave	Rs. 2,50,000/-	2 years	Ongoing

EDM					
Sponsoring Agency : MHRD, New Delhi					
Sep 2014	Course Development on topic entitled "Casting, Welding and Forming" under National Mission Project on Education through ICT	Dr. H. K. Raval Dr. H. K. Dave	Rs. 5,00,000/-	2 years	Ongoing

ELECTRONIC ENGINEERING DEPARTMENT					
Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Dura-Tion	Status
June 2013	A study on changes in refractivity of the Atmosphere prior to Earth quack's	Dr. K. N. Pathak	14.66 Lacs	3 Years	Ongoing
June 2013	Ground state properties of low – dimensional quantum systems	Dr. L. K. Saini	14.49 Lacs	3 Years	Ongoing
June 2014	Strongly – correlated electronic materials, Topological Quantum Nano – materials	Dr. L. K. Saini	14.00 Lacs	3 Years	Ongoing
April 2011	Development of Antireflection counting for fabrication of super luminescent light emitting diode.	Dr. V. A. Kheraj	19.89 Lacs	3 Years	Completed
June 2013	Properties of mesons using QCD inspired models	Dr. A. K. Rai	12.84 Lacs	3 Years	Ongoing

June 2014	Novel Nanomaterials : Structure, Growth, Electronic Magnetic and Optical properties	Dr. D. R. Roy	6 Lacs	3 Years	Ongoing
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b) Consultation & Testing jobs during the years under report consultancy:

APPLIED MECHANICS DEPARTMENT

Consultancy (Structural Engineering)

No.	Consultancy Project	Name of organization	Amount(Rs.)
1.	Condition Assessment, Design Proof Checking, Mix Design, NDT etc.	Organization in surrounding area engaged in construction activities	1,73,31,431.00

Consultancy & Testing (Geotechnical Engineering)

No.	Consultancy Project	Name of organization	Amount(Rs.)
1.	Soil Investigation	Organization in surrounding area engaged in construction activities	26,03.614.00

Testing (Structural Engineering)

Applied Mechanics Department			
No.	Testing Project	Name of organization	Amount(Rs.)
1.	Routine Testing like, brick, cube, steel, tiles, Mix Design etc.	Organization in surrounding area engaged in construction activities	55,46,726.00

CHEMICAL ENGINEERING DEPARTMENT

No.	Title of the Consultancy assignment	Name of the Industry for whom assignment carried out	Name of the Coordinator	Total Amount Earned in Rs Lakhs	Year
1.	Adequacy for Forced	Surashtra Enviro	Dr. Jigisha	0.45	2014-15

	Evaporation system	Projects Pvt. Ltd., Kutch.	Parikh		
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CIVIL ENGINEERING DEPARTMENT

Type of consultancy	Sponsoring Agency	Name of Project Coordinator	Consultancy Amount	Status
Preliminary design of different utilities of TP2E at DSIR	Design Point Consultant Pvt. Ltd., Surat	Dr P L Patel Dr P V Timbadiya	25,00,000	Final report submitted
Preliminary design of different utilities of part of TP4E at DSIR	Design Point Consultant Pvt. Ltd., Surat	Dr P L Patel Dr P V Timbadiya	4,50,000	Final report submitted
Safety assessment of Singanpore weir-cum- Causeway	Surat Municipal Corporation, Surat	Dr P L Patel Dr P V Timbadiya	15,00,000.00	Ongoing
Morphological Study on Tapi River using Remote Sensing Technique	Central Water Commission (CWC), New Delhi	Dr P L Patel Dr P V Timbadiya	72,86,000	Ongoing
Design of lining of vinzol vhela passing through VATVA, GIDC, Ahmedabad and its estimation	NWRW&KD, Govt. of Gujarat	Dr P L Patel Dr P V Timbadiya	10,00,000	Hydraulic design report submitted
CFD Simulation of Hydro Turbines including Tail Race of Koteswar Hydro Power Project	Tehri Hydro Development India Corporation Limited (THDCIL)- Rishikesh, Uttarakhand	Dr P L Patel Dr P V Timbadiya	15,00,000	Ongoing
Testing of water and waste water sample	Various industries and private agencies	Dr M M Ahamed Dr Namrata Jariwala Dr K D Yadav	2,00,937/-	
Vetting Report for	Daman Union	Dr R A Christian	2,00,000/-	

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DPR on Integrated Solid Waste Management for Urban and Rural Areas of Daman District	Territory	Ms N D Jariwala Dr K D Yadav		
Third Party Inspection of Ward Office and Library Construction in South East (Limabayat Zone) of SMC	Surat Municipal Corporation	Dr. B. N. Tandel	As per actual (Rs. 2500 per visit)	
Third Party Inspection of Aanganwadis (Limabayat) of SMC	Surat Municipal Corporation	Dr. B. N. Tandel	As per actual (Rs. 2500 per visit)	
Third Party Inspection of Extension of South East Zone Office and Library in South East Zone (Limabayat) of SMC	Surat Municipal Corporation	Dr. B. N. Tandel	As per actual (Rs. 2500 per visit)	
Khajod Disposal Site: Scope of study, report and estimation of unorganized disposal waste by using scientific method.	Surat Municipal Corporation	Dr K D Yadav	35,000/-	
Third Party Inspection of Sewage Pumping Station of	Surat Municipal Corporation	Dr R A Christian Dr. B N Tandel Dr K D Yadav	As per actual (Rs. 2500 per visit)	
Third Party Inspection of SMC Roads in various zones	Surat Municipal Corporation	Dr. Ashish Dhamaniya	Per percentage basis and visit basis as	

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			per tender amount	
Third Party Inspection of SUDA Roads in various zones	Surat Urban Development Authority	Dr. Ashish Dhamaniya	Per percentage basis and visit basis as per tender amount	
Inspection of PMGSY roads in Gujarat State as a Member of State Technical Agency	PMGSY, Gol	Dr. Ashish Dhamaniya	As per tender	
Review and Proof Checking of Rigid Pavement Design for Nagpur Bhandara Toll Plaza at Km 523+485 under the work of "Four Lanning of Nagpur – Wainganga Bridge Section of NH – 6 from Km. 498+000 to 544+200 under NHDP Phase – III in the state of Maharastra on BOT (Toll) basis (Package No. NHDPIII /BOT /MH/ 2011/ 01)	NHAI	Shri A.J.Solanki Shri Ravin Tailor	1.00 lakh	
TPI works for Hostel and Staff Quarters at Adarsh Nivashi School Sarthana Surat. Client: EE, R & B Division-I	R&B, GoG	Shri R. M. Tailor, Shri C. R. Patel,	Approx. 0.65 lakh	
Third Party Inspection services for Construction of various metal grouting road works	Surat Municipal Corporation	Dr. G. J. Joshi, Shri A. J. Solanki, Dr. A. D. Dhamania, Shri R. M. Tailor, Shri C. R. Patel,	Approx 10 lakh	

within Surat Municipal Corporation limit		Dr. S. A. Arkatkar,		
Third Party Inspection services for Construction of various road works within Surat Urban Development Authority limit	Surat Urban Development Authority	Dr. G. J. Joshi, Dr. J. N. Patel, Shri A. J. Solanki, Dr. A. D. Dhamania, Shri R. M. Tailor, Shri C. R. Patel, Dr. S. A. Arkatkar,	Approx. 1.5 lakhs	
Third Party Inspection services for VARIOUS projects at Diu.	Diu Union Territory	Dr. J. E. M. Macwan, Dr. G. J. Joshi, R. M. Tailor, C. R. Patel, A. J. Solanki, S. S. Arkatkar, A. D. Dhamania	Approx. 22 lakhs	
Professional services for Design and estimation of ONGC road from Muler to GGS-V in Gandhar field (7.2 km)	ONGC, Ankaleshwar	S. S. Arkatkar	16.5 Lacs	

ELECTRICAL ENGINEERING DEPARTMENT

Sponsoring Agency: DGVCL					
December-2014	Recruitment of Junior Engineer (Electrical and Civil)		12,00,000	4 Months	Completed

11.2 Faculty Position

List of Faculty Members in Applied Chemistry Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. Smita Jauhari	Associate Professor	Ph.D
2.	Dr. Premlata Kumari	Assistant Professor	Ph.D
3.	Dr. Kalpana C. Maheria	Assistant Professor	Ph.D
4.	Dr. Naved I. Malek	Assistant Professor	Ph.D
5.	Dr. Suban K Sahoo	Assistant Professor	Ph.D
6.	Dr. Suresh Kumar Kailasa	Assistant Professor	Ph.D
7.	Dr. Bharat Dholakiya	Assistant Professor	Ph.D
8.	Dr. Ketan Kuperkar	Assistant Professor	Ph.D
9.	Dr. Rajender Kumar	Assistant Professor	Ph.D

List of Faculty Members in Applied Mathes &Hum. Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. M. N. Mehta	Professor	Ph.D.
2.	Dr. A. K. Shukla	Associate Professor	Ph.D.
3.	Dr. V. H. Pradhan	Associate Professor	Ph.D.
4.	Dr. Neeru Adlakha	Associate Professor	Ph.D.
5.	Dr. Hemantkumar P. Bulsara	Assistant Professor	Ph.D.
6.	Dr. Ramakanta Meher	Assistant Professor	Ph.D.
7.	Dr. Ranjan Kumar Jana	Assistant Professor	Ph.D.
8.	Dr. Vishnu Narayan Mishra	Assistant Professor	Ph.D.
9.	Dr. Twinkle R. Singh	Assistant Professor	Ph.D.
10.	Dr. Urvashi Kausal	Assistant Professor	Ph.D.
11.	Dr. Dhananjay Gopal	Assistant Professor	Ph.D.
12.	Dr. Sushil Kumar	Assistant Professor	Ph.D.
13.	Dr. Jayesh M. Dhodiya	Assistant Professor	Ph.D.

List of Faculty Members in Applied Mechanics Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr C D Modhera	Professor & Head	M. E., Ph. D.
2.	Dr H S Patil	Professor	M. E., Ph. D.
3.	Dr A K Desai	Professor	M. E., L L. B, Ph.D.
4.	Dr S A Vasanwala	Professor	M. E., Ph. D.
5.	Dr C H Solanki	Professor	M. E., Ph. D.
6.	Dr D B Raijiwala	Associate Professor	M. E., Ph. D.
7.	Prof S N Desai	Associate Professor	M. E., Ph.D.
8.	Prof A J Shah	Associate Professor	M. E.
9.	Dr Y D Patil	Assistant Professor	M. E., Ph. D.

10.	Shri A M Parghi	Assistant Professor	M.E.
11.	Shri Satyajit Patel	Assistant Professor	M.E.
12.	Dr G R Vesmwala	Assistant Professor	M. E., Ph. D.
13.	Shri Shailendra Kumar	Assistant Professor	M.E.
14.	Shri S R Suryavanshi	Assistant Professor	M.E.
15.	Dr M K Desai	Assistant Professor	M.Tech., Ph.D.
16.	Shri J B Patel	Assistant Professor	M.Tech.
17.	Mrs S J Shukla	Assistant Professor	M.Tech.
18.	Dr B. Kondraivendhan	Assistant Professor	M. Tech, Ph. D.
19.	Prof R T Patel	Visiting Faculty	M.E.
20.	Mr. Doni Ankit	Teaching Assistant	M.E.
21.	Mrs Rachna Shah	Teaching Assistant	M.E.
22.	Ms. Dhanshree Goyal	Teaching Assistant	B.E. (Civil)
23.	Ms. Nirmila Pawar	Teaching Assistant	B.E. (Civil)

List of Faculty Members in Chemical Engineering Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. Z. V. P. Murthy	Professor	M. Tech., Ph.D.
2.	Dr. P.A. Parikh	Professor	M.E., Ph.D.
3.	Dr. (Mrs.)M. Chakraborty	Associate Professor	M. Tech., Ph. D.
4.	Dr. (Mrs.) J. K. Parikh	Associate Professor & Head of the Department	Ph.D.
5.	Dr.(Mrs.) M. Mukhopadhyay	Associate Professor	M. Tech., Ph.D.
6.	Mr. C. M. Patel	Assistant Professor	M. Tech., Ph.D.
7.	Dr. V. N. Lad	Assistant Professor	M. Tech., Ph.D.
8.	Dr. A. K. Mungray	Assistant Professor	M. Tech., Ph.D.
9.	Dr. S. R. Patel	Assistant Professor	M. E., Ph. D.
10.	Dr. A. K. Jana	Assistant Professor	M. Tech., Ph.D.
11.	Dr. M. A. Desai	Assistant Professor	M. Tech., Ph. D.
12.	Dr. (Mrs.) J. N. Solanki	Assistant Professor	M. E., Ph. D.
13.	Dr. (Mrs.) A. A. Mungray	Assistant Professor	M.E., Ph. D.
14.	Mrs. S. Gupta	Assistant Professor	M. Tech., Ph.D.
15.	Dr. G.C.Jadeja	Assistant Professor	M. Tech., Ph. D.

List of Faculty Members in Civil Engineering Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. N. J. Mistry	Professor	Ph. D (Environmental Engineering)
2.	Dr. B. K. Samtani	Professor	Ph. D (Water Resources Engineering)

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3.	Dr. J. N. Patel	Professor & Head	Ph. D (Water Engineering)
4.	Dr. P. L. Patel	Professor	Ph. D (Hydro Engineering)
5.	Dr. J.E.M. Macwan	Associate Professor	Ph. D (Town Planning)
6.	Dr. S. M. Yadav	Associate Professor	Ph. D (Water Engineering)
7.	Prof. N. N. Patel	Associate Professor	M. E. (Environmental Engineering)
8.	Dr. R. A. Christian	Associate Professor	Ph. D (Environmental Engineering)
9.	Dr. M. Mansoor Ahammed	Associate Professor	Ph. D (Environmental Engineering)
10.	Dr. G. J. Joshi	Associate Professor	Ph. D (Transportation Engineering & Planning)
11.	Dr. K. A. Chauhan	Associate Professor	Ph. D (Town Planning)
12.	Dr. V. L. Manekar	Associate Professor	Ph. D (Hydraulics)
13.	Dr. Rakesh Kumar	Associate Professor	Ph. D (Transportation Engineering & Planning)
14.	Dr.(Mrs) A. K.Khambete	Associate Professor	Ph.D (Environmental Engineering)
15.	Prof. B. J. Batliwala	Associate Professor	M. E. (Water Engineering)
16.	Dr. P. G. Agnihotri	Associate Professor	Ph.D (Water Engineering)
17.	Dr. (Mrs.) N. D. Jariwala	Assistant Professor	Ph.D (Environmental

			Engineering)
18.	Amit J. Solanki	Assistant Professor	M. E. (Transportation Engg)
19.	Dr. Bhaven N. Tandel	Assistant Professor	Ph.D (Environmental Engineering)
20.	Ganesh D. Kale	Assistant Professor	M. E. (Water Engineering)
21.	Dr. K. D. Yadav	Assistant Professor	Ph. D (Environmental Engineering)
22.	Dr. Ashish Dhamaniya	Assistant Professor	Ph.D (Transportation Engineering)
23.	Dilip A. Patel	Assistant Professor	M. Tech. (Construction & Project Management)
24.	Dr. Praful V. Timbadiya	Assistant Professor	Ph.D (Water Resource Engineering)
25.	Ravin M. Tailor	Assistant Professor	M. TRP (Town & Regional Planning)
26.	Chetan R. Patel	Assistant Professor	M. Tech. (Town Planning)
27.	Dr. S. S. Arkatkar	Assistant Professor	Ph.D (Transportation Engineering)

List of Faculty Members in Computer Engineering Department as on 31/03/2015

No.	Name	Designation	Qualification
1.	Dr. Dhiren R. Patel	Professor & Head	M.Tech, Ph.D.
2.	Dr. Devesh C. Jinwala	Professor	M. E., Ph.D.
3.	Dr. Mukesh A. Zaveri	Associate Professor	M. E., Ph.D.
4.	Mr. Rakesh P. Gohil	Associate Professor	M.Tech.(R)
5.	Mrs Rupa G. Mehta	Associate Professor	M. Tech.(R)
6.	Mrs. Krupa N. Jariwala	Assistant Professor	M. Tech.(R)
7.	Mrs. Dipti P. Rana	Assistant Professor	M. Tech.(R)

8.	Dr. Udai Pratap Rao	Assistant Professor	M. Tech., Ph.D
9.	Mr. Satish Raj Goyal	Assistant Professor	M. Tech.
10.	Mrs. Sankita J. Patel	Assistant Professor	M. Tech.. Ph.D.
11.	Mr. Bhavesh N. Gohil	Assistant Professor	M. Tech.

List of Faculty Members in Electrical Engineering Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. Anandita Chowdhury	Associate Professor	Ph. D.
2.	Dr. Varsha A. Shah	Associate Professor	Ph. D.
3.	Mr. M. N. Bhusavalwala	Associate Professor	M. E.
4.	Dr. S. N. Sharma	Associate Professor	Ph. D.
5.	Mr. J. J. Patel	Associate Professor	M. E., M. B. A.
6.	Dr. H. R. Jariwala	Associate Professor	Ph. D.
7.	Dr. M. A. Mulla	Associate Professor	Ph. D.
8.	Dr. Ashish K. Panchal	Associate Professor	Ph. D.
9.	Dr. R. Chudamani	Associate Professor	Ph. D.
10.	Ms. M. D. Chauhan	Associate Professor	M. Tech.
11.	Mr. P. B. Darji	Associate Professor	M.E (IISc, Bangalore) Pursuing PhD from IIT Bombay
12.	Dr. Prasanta. Kundu	Assistant Professor	Ph. D.
13.	Dr. Sabha Raj Arya	Assistant Professor	Ph. D.
14.	Dr. Hiren G. Patel	Assistant Professor	Ph. D.
15.	Dr. Rakesh Maurya	Assistant Professor	Ph. D.
16.	Dr. Khyati D. Mistry	Assistant Professor	Ph. D.
17.	Ms. Chandni Gor	Assistant Professor	M. E.
18.	Dr. Vasundhara Mahajan	Assistant Professor	Ph. D.
19.	Dr. Makrand Lokhande (Left SVNIT in June-2015)	Assistant Professor	Ph. D.

List of Faculty Members in Electronics Engineering Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. (Mrs.) U. D. Dalal	Associate Professor & Head	Ph. D.
2.	Mr. A. H. Lalluwadia	Associate Professor	M. Tech
3.	Mr. P. K. Shah	Associate Professor	M. Tech
4.	Mr. N. B. Kanirkar	Associate Professor	M. Tech

5.	Dr. Jignesh N. Sarvaiya	Associate Professor	Ph.D.
6.	Dr. A. D. Darji	Assistant Professor	Ph.D.
7.	Dr. P. N. Patel	Assistant Professor	Ph.D.
8.	Mr. Z. M. Patel	Assistant Professor	M. Tech, Pursuing Ph.D
9.	Mr. P. J. Engineer	Assistant Professor	M. E., Pursuing Ph.D
10.	Mrs. Rasika N. Dhavse	Assistant Professor	M. Tech,Pursuing Ph.D
11.	Mr. Abhilash Mandloi	Assistant Professor	M.Tech., Pursuing Ph.D
12.	Mrs. Shilpi Gupta	Assistant Professor	M. E., Pursuing Ph.D
13.	Mr. Golak Santra	Assistant Professor	M. E., Pursuing Ph.D
14.	Mrs. Jigisha N. Patel	Assistant Professor	M. E., Pursuing Ph.D
15.	Mrs. Shweta N. Shah	Assistant Professor	M. E., Pursuing Ph.D
16.	Mr. Mehul C. Patel	Assistant Professor	M. E., Pursuing Ph.D
17.	Mr. KishorUpla	Assistant Professor	M. E., Pursuing Ph.D

List of Faculty Members in Mechanical Engineering Department as on 31/03/2015			
No.	Name	Designation	Qualification
1.	Dr. S. A. Channiwala	Professor	Ph.D
2.	Dr. H. B. Naik	Professor	Ph.D
3.	Dr. H. K. Raval	Professor	Ph.D
4.	Dr. P. R. Tailor	Professor	Ph.D
5.	Dr. H. J. Nagarsheth	Professor	Ph.D
6.	Dr. R. Venkata Rao	Professor	Ph.D
7.	Dr. D. P. Vakharia	Professor	Ph.D
8.	Dr. D. V. Bhatt	Professor	Ph.D
9.	Dr. K. P. Desai	Professor	Ph.D
10.	Mr. S. N. Gaderia	Associate Professor	M.E
11.	Dr. A. A. Shaikh	Associate Professor	Ph.D
12.	Dr. Jyotirmay Banerjee	Associate Professor	Ph.D
13.	Dr. M. K .Bhatt	Associate Professor	Ph.D
14.	Dr. Shailendra Kumar	Associate Professor	Ph.D
15.	Dr. T. N. Desai	Associate Professor	Ph.D
16.	Dr. B. M. Sutaria	Associate Professor	Ph.D

17.	Dr. A. D. Parekh	Associate Professor	Ph.D
18.	Mr. M.B.Maisuria	Associate Professor	M.E
19.	Mr. D. B. Gohil	Associate Professor	M.E
20.	Dr. D. I. Lalwani	Associate Professor	Ph.D
21.	Mr. A. V. Doshi	Assistant Professor	M.E
22.	Dr. R. D. Shah	Assistant Professor	Ph.D
23.	Mr. Ajay B. Makwana	Assistant Professor	M.E
24.	Dr. Jyoti Menghani	Assistant Professor	Ph.D
25.	Dr. Manish K. Rathod	Assistant Professor	Ph.D
26.	Dr. Achchhelal	Assistant Professor	Ph.D
27.	Dr. Dinesh Singh	Assistant Professor	Ph.D
28.	Mr. Anil Kumar Mahto	Assistant Professor	M.E
29.	Dr. Hemant B. Mehta	Assistant Professor	Ph.D
30.	Dr. Beena D. Baloni.	Assistant Professor	Ph.D
31.	Dr. Bade M. H.	Assistant Professor	Ph.D
32.	Dr. Purnanand V. Bhale	Assistant Professor	Ph.D
33.	Dr. Harshit K. Dave	Assistant Professor	Ph.D
34.	Dr. Ravi Kant	Assistant Professor	Ph.D
35.	Mr. Vimal K. Patel	Assistant Professor	M.Tech
36.	Mr. Sandeep Soni	Assistant Professor	M.Tech
37.	Mr. Shailesh N. Pandya	Assistant Professor	M.Tech
38.	Dr. Vivek D. Kalyankar	Assistant Professor	Ph.D
39.	Mr. Nikunj Patel	Assistant Professor	M.Tech
40.	Mr. Vikram Rathod	Assistant Professor	M.E

List of Faculty Members in Applied Physics Department as on 31/03/2014			
No.	Name	Designation	Qualification
1.	Dr. K. N. Pathak	Associate Professor	Ph. D
2.	Dr. A. K. Rai	Assistant Professor	Ph. D
3.	Dr. D. V. Shah	Assistant Professor	Ph. D
4.	Dr. L. K. Saini	Assistant Professor	Ph. D
5.	Dr. V. A. Kheraj	Assistant Professor	Ph. D
6.	Dr. Y. A. Sonvane	Assistant Professor	Ph. D
7.	Dr. D. R. Roy	Assistant Professor	Ph. D

11.3 Administrative and other Staff**LIST OF NON TEACHING STAFF AS ON 31/03/2015**

Sr. No.	Name	Designation	Deptt./ Section
1.	Shri H.A. Parmar	Registrar	Registrar
2.	Shri M.N. Patel	Dy. Registrar (Acad)	Academic
3.	Dr. S.G. Shah	Medical Officer	Dispensary
4.	Shri A.C. Patel	Sr. Programmer	CCC
5.	Shri Ajay Sharma	Asst. Librarian	LIB
6.	Shri Chirag Vaghela	SAS Officer	Phy. Edu.
7.	Shri Ravinder kUmar	Asst. Registrar	Deputed to MHRD
8.	Shri Vigneshwara Raj A.G.	Asst. Registrar	Estate & Store

Class – III (Non Technical)

Sr. No.	Name	Designation	Deptt./ Section
1.	Shri K.P. Solanki	Sr. Asst.	ACAD
2.	Mrs. M.A. Patel	Sr. Asst.	ACAD
3.	Mrs. R. M. Garasiya	Assistant SG-II	Acad
4.	Shri Kamal M. Desai	Sr. Asst.	Academic
5.	Shri C.M. Suthar	Sr. Asst.	Academic
6.	Mrs. D.M. Shah	Sr. Asst.	Account
7.	Shri V.N. Mehta	Sr. Asst.	Account
8.	Mrs. M.P. Mody	Sr. Asst.	Account
9.	Mrs. S.S. Desai	Sr. Asst.	Account
10.	Shri R.D. Ruparel	Sr. Asst.	Account
11.	Shri R.M. Varlekar	Assistant SG-II	Account
12.	Shri M.C. Vania	Sr. Asst.	Admn
13.	Shri R.J. Patel	Sr. Asst.	Admn
14.	Shri K.S. Bhavsar	Sr. Asst.	Admn.
15.	Shri P.D. Bhatt	Sr. Asst.	AMD
16.	Mrs. P.H. Kantharia	Sr. Asst.	ASHD
17.	Ms. P.K. Bhagwagar	Sr. Asst.	CHED
18.	Shri K.J. Parmar	Sr. Asst.	COED
19.	Shri M.L. Patel	Sr. Asst.	E & S
20.	Shri V.R. Patel	Sr. Asst.	E & S
21.	Shri V.D. Patel	Sr. Asst.	EED
22.	Mrs. S.J. Pathak	Sr. Asst.	Library
23.	Shri A.V. Panchal	Sr. Asst.	Library

24.	Shri A.P. John	Sr. Asst.	MED
25.	Shri V.N. Surati	Sr. Asst.	TEQIP
26.	Shri N.C. Solanki	Sr. Asst.	Workshop

11.4 Staff members deputed / sponsored for training / learning

- a) List of faculty members deputed for Ph.D Programme under QIP during year under report

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name & Designation	Period	Place
1.	Amit J. Solanki	3 years (From July 2010 onwards) Joined duty w.e.f. Nov-2013	IIT Kharagpur
2.	Dr. Ashish Dhamaniya	3 years (From July 2011 onwards) Joined duty w.e.f. July-2014	IIT Roorkee
3.	Dilip A. Patel	3 years (From July 2012 onwards) Joined duty w.e.f. July-2015	IIT Delhi
4.	Ganesh D. Kale	3 years (From July 2012 onwards)	IISC Bangalore

- b) List of faculty members deputed for M. Tech. Programme under QIP during year under report.

Sr. No.	Name of Faculty Member & Deptt.	Scheme	Place of Deputation	Period
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- c) List of faculty members deputed for summer/winter schools / short terms courses during the year.

List for faculty members deputed for summer /winter schools/ short terms courses during the year:

APPLIED CHEMISTRY DEPARTMENT				
No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
1.	Dr. Premlata Kumari	Advanced scientific tools for materials science and technology	SVNIT	29-31' May 2015
2.	Dr. Premlata Kumari	Research Methodology: Tools and Techniques	SVNIT	15-19' June 2015
3.	Dr. Kalpana Maheria	EXIL 2014 workshop on "Liquid liquid extraction by use of ionic liquids"	IPHC, Strasbourg, France	3 days (24 th – 26 th April 2014)
4.	Dr. Kalpana Maheria	97 th CSC conference held during 29 th May 2015 – 22 nd June 2015	Vancouver Convention Centre, Vancouver, British Columbia, Canada to attend one day Raman Workshop during 97 th CSC conference	4 st June 2014 (One day)
5.	Dr. Kalpana Maheria	Management Capacity Enhancement Program for Administrators	IIM, Noida Campus, Lucknow	3 days (23 rd -27 th Sept. 2014)
6.	Dr. Kalpana Maheria,	Introduction to Gaussian – Theory and Practice	SCUBE Scientific Software Solutions at IISER, Pune	4 days (12 th – 16 th Dec. 2014)
7.	Dr. Kalpana Maheria,	22 nd National Symposium on Catalysis, Catalysis for better tomorrow (CATSYMP 22)	CSMCRI, Bhavnagar	3 days (7 th – 9 th Jan. 2015)

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT				
No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
1.	Twinkle R. Singh	Two week short term training programme on "Mathematical Methods for Engineers and Scientists" under TEQIP	SVNIT	29 June-10 July 2015.
2.	Twinkle R. Singh	Application of Fixed Point Theory & Nonlinear Analysis for Engineers and Sciences under TEQIP –II	Sardar Vallabhbhai National Institute of Technology, Surat-395007	June 30-July 04, 2014.
3.	Dr. R. K. Jana	NISAR Science Workshop	Space Applications Centre (ISRO), Ahmedabad	November 17-18, 2014.
4.	Dr. R. K. Jana	Workshop on "High Performance Computing Architecture and Applications for Engineers and Scientists"	SVNIT, Surat	January 24-26, 2015.
5.	Dr. Jayesh. M. Dhodiya	Hindi karyasala "Rajbhasa niyam avem software prasiksan"	SVNIT, Surat	9th -13th June, 2014
6.	Dr. Sushil Kumar	Advanced workshop and conference on hyperbolic PDEs: Theory, Numerics and Applications	LNMIIT, Jaipur	Dec 1-11, 2014
7.	Dr. Sushil Kumar	Advanced workshop on Finite Difference Method for Differential equations	South Asian University New Delhi	March 13-17, 2014

8.	Dr.Ramakanta Meher	AIS on Differential Topology organized under National Center of Mathematics, Govt. of India	North Eastern Hill University, Shilong	15/06/2015 to 04/07/2015 (21 days)
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APPLIED MECHANICS DEPARTMENT

No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
NIL				

CHEMICAL ENGINEERING DEPARTMENT

No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
1.	Dr. V. N. Lad	8 th National Symposium on Complex Fluids – 2014	Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR), Bangalor	22/12/14 to 24/12/14

CIVIL ENGINEERING DEPARTMENT

No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
NIL				

COMPUTER ENGINEERING DEPARTMENT

No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
NIL				

ELECTRICAL ENGINEERING DEPARTMENT				
No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
1.	Dr. Sabha Raj Arya	Power Electronics Applications for Renewable Integration	IIT, Kharagpur	30 March to April 1, 2015

ELECTRONICS ENGINEERING DEPARTMENT				
No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
1.	Mrs. S. N. Shah, Mrs. J.N.Patel Dr. (Mrs.) U. D. Dalal	Woman scientist conference	Hyderabad	29 th May to 1 st June 2014
2.	Mrs. S. N. Shah, Mrs. J.N.Patel Dr. (Mrs.) U. D. Dalal	Visit to navy	Jamnagar	13 June
3.	Mrs. S. Gupta	Statistical Signal Processing in Wireless Communications	Nirma University, Ahmedabad	26/5/2014 - 07/06/2014
4.	Mrs. S. Gupta	Hindi Workshop	SVNIT, Surat	9/6/2014 to 13/6/2014
5.	Mr. A. S. Mandloi	Hindi Workshop	SVNIT, Surat	9/6/2014 to 13/6/2014
6.	Mr. A. S. Mandloi	Transforming Engineering Education System To Match Global Standards-	EQUATE, New Delhi	2/7/2014 to 5/7/2014

		Objective & Outcome Based Education System (OOBES)		
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MECHANICAL ENGINEERING DEPARTMENT				
No.	Name of Faculty Member	Name of the Training Programme	Organizing Institute	Duration
	Shailesh N. Pandya	Advanced Quality Engineering Techniques	MED, SVNIT, Surat	04/08/2014 to 08/08/2014

- d) List of Staff member deputed for participation for Paper Presentation abroad (under other/TEQIP training programme)

Sr. No.	Name of Faculty Member	Period	Place
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Department Name

---- NIL ----

- e) List of staff members deputed for participation under TEQIP training programme.

List of Staff member deputed for participation under TEQIP training programme:

APPLIED CHEMISTRY DEPARTMENT			
No.	Name & Designation	Period	Place
1.	Dr. Smita Jauhari, Associate Professor	12-16 Dec'2014	IISER, Pune, India for Workshop on Introduction to Gaussian: Theory and Practices
2.	Dr. Smita Jauhari, Associate Professor	23 rd -27 th February 2015	Advanced Analytical Techniques for Materials Characterization (AATMC-2015)
3.	Dr. Premlata Kumari, Assistant Professor	12-16 Dec'2014	IISER, Pune, India for Workshop on

			Introduction to Gaussian: Theory and Practices
4.	Dr. Premlata Kumari, Assistant Professor	18-20 Nov' 2014	Suzhou, China for conference BIT's 5 th Annual International Congress of Medicchem-2014(ICM-2014)
5.	Dr. Kalpana Maheria, Assistant Professor	4 st June 2014 (One day) during the 97 th CSC conference held during 29 th May 2015 – 22 nd June 2015	Vancouver Convention Centre, Vancouver, British Columbia, Canada to attend one day Raman Workshop during 97 th CSC conference
6.	Dr. Kalpana Maheria, Assistant Professor	23 rd -27 th September 2014	To attend Management Capacity Enhancement Program for Administrators at IIM, Noida Campus, Lakhnow
7.	Dr. Kalpana Maheria, Assistant Professor	12 th – 16 th December 2014	Workshop on Introduction to Gaussian – Theory and Practice organized by SCUBE Scientific Software Solutions at IISER, Pune
8.	Dr. Kalpana Maheria, Assistant Professor	7 th January 2015 – 9 th January 2015	To participate in 22 nd National Symposium on Catalysis, Catalysis for better tomorrow (CATSYMP 22) at CSMCRI, Bhavnagar
9.	Dr. Rajender Kumar, Assistant Professor	5 days	Work Shop on Right To Information ACT at GOA
10.	Dr. Rajender Kumar, Assistant Professor	5 days	Work shop on Faculty Development Programme at IIM Raipur.

APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT			
No.	Name & Designation	Period	Place
1.	Dr. Hemantkumar P. Bulsara	Conference	18 th CEOs Conference organized by Indian Institution of Industrial Engineers (IIIE)

2.	Dr. Hemantkumar P. Bulsara	Management Capacity Enhancement Programme (MCEP)	Training on Management Capacity Enhancement Programme (MCEP) for TEQIP Institutions
3.	Dr. Ramakanta Meher	15/06/2015 to 04/07/2015 (21 days) Under TEQIP	North Eastern Hill University, Shilong
4.	Dr. D. Gopal	March 2015	Raipur, C. G.

APPLIED MECHANICS DEPARTMENT

No.	Name & Designation	Period	Place
1.	Dr M K Desai Assistant Professor	11 – 12 August 2014	International Conference of Science and Technology University of Cornell, Ithaca, New York
2.	Prof Satyajit Patel Assistant Professor	19 – 21 November 2014	GEOMATE 2014 (4 th International Conference on Geotechnique Construction materials and Environment Brisbane
3.	Prof Satyajit Patel Assistant Professor	29/09/2014 to 01/10/2014	9 th International symposium on Lowland Technology Saga, Japan
4.	Dr G R Vesmawala Assistant Professor	21 – 23 August 2014	36 th Conference on Our world in Concrete & structures Singapore,
5.	Dr G R Vesmawla Assistant Professor	25 – 26 August 2014	International Conference on Materials and Structural Engineering Kuala Lumpur
6.	Shri. A J Shah Associate Professor	5 – 6 January 2015	Reducing Earthquakes Lossess and Advances in Earthquake Science DST, Gandhinagar
7.	Shri. A J Shah Associate Professor	16 – 17 June 2014	Civil, Structural and Earthquake Engineering Toronto, Canada
8.	Dr. C H Solanki	5 – 6 January 2015	Reducing Earthquakes

	Professor		Lossess and Advances in Earthquake Science DST, Gandhinagar
9.	Dr. C H Solanki Professor	19 – 21 November 2014	GEOMATE 2014 (4 th International Conference on Geotechnique Construction materials and Environment Brisbane
10.	Dr. A K Desai Professor	5 – 6 January 2015	Reducing Earthquakes Lossess and Advances in Earthquake Science DST, Gandhinagar

CHEMICAL ENGINEERING DEPARTMENT

No.	Name & Designation	Period	Place
1.	Dr. C. M. Patel	Outcome based education systems during 2 nd to 5 th July, 2014	Equate-Gudgaon

CIVIL ENGINEERING DEPARTMENT

No.	Name & Designation	Period	Place
1.	Dr. P L Patel	Dec. 17-19, 2014	MANIT Bhopal
2.	Dr. P V Timbadiya	Dec. 17-19, 2014	MANIT Bhopal
3.	Ravin M. Tailor, Assistant Professor	20-22 May 2014	Accreditation Workshop, CED, SVNIT

ELECTRICAL ENGINEERING DEPARTMENT

No.	Name & Designation	Period	Place
1.	Dr. Rakesh Maurya, Assistant Prof.	July 14-July 18, 2014	EED, SVNIT
2.	Dr. Rakesh Maurya Assistant Prof.	July 07-July 11, 2014	EED, SVNIT
3.	Dr. Sabha Raj Arya Assistant Prof.	July 14-July 18, 2014	EED, SVNIT
4.	Dr. A. Chowdhury Head, Asso. Prof., Dr. H. R. Jariwala	9th September, 2014	SVNIT

	Asso. Prof. Dr. M. A. Mulla Asso. Prof.		
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ELECTRONICS ENGINEERING DEPARTMENT			
No.	Name & Designation	Period	Place
1.	Dr. Piyush N. Patel	23-26 June 2014	EQUATE, Noida, Delhi
2.	Dr. J. N. Sarvaiya	23-26 June 2014	EQUATE, Noida, Delhi
3.	Mrs. R. N. Dhavse	23-27 June, 2014	BVM, V. V. Nagar
4.	Mr. P. J. Engineer	30/09/2014	College of Engineering, Pune
		December 10-11, 2014	VJTI, Mumbai

MECHANICAL ENGINEERING DEPARTMENT			
No.	Name & Designation	Period	Place
1.	Dr. V. D. Kalyankar Asst. Prof., MED	05 – 07 January 2015	Port Blair
2.	Dr. H. K. Dave Asst. Prof., MED	19-23 August 2014	IIM Lucknow
3.	Dr. Dinesh Singh Asst. Prof., MED	23-25 June 2014	Noida, UP
4.	Dr Purnanand V Bhale	19-21 Feb 215	Indo German Workshop on Sustainability IIT Madras
5.	Dr Purnanand V Bhale	25-28 Feb 2015	International Conference on Recent Advances Bio- energy Research at NIRE Kapurthala Punjab
