



सरदार वल्लभभाई  
राष्ट्रीय प्रौद्योगिकी  
संस्थान, सूरत

# SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY, SURAT



वार्षिक रिपोर्ट  
**ANNUAL  
REPORT**  
2016-2017

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**SARDAR VALLABHBHAI h° u-O**



# वार्षिक रिपोर्ट

# ANNUAL REPORT

## 2016-17



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SURAT





## ANNUAL REPORT (2016-17)

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## 1.0 INTRODUCTION

### 1.0 Our Vision

Sardar Vallabhbhai National Institute of Technology, Surat, is to be one of the leading Technical Institute disseminating globally acceptable education, effective industrial training and relevant research output.

### 1.2 Our Mission

Sardar Vallabhbhai National Institute of Technology, Surat, is 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 Six UG and Seventeen PG Programmes alongwith full time Ph.D. Programmes in Engineering and M.Sc. Integrated programs of five years in Science disciplines – Moreover, full time as well as part-time Ph.D. and M.Tech. (Research) programmes have also been offered. 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 alongwith necessary flexibility in the form of electives. The projects are offered at final year level to bring up the creativity of the students.

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 by SVNIT

- 1) The Institute provides flexibility to the students for getting an exposure at Institute of repute such as IITs.
- 2) Early induction to the Ph.D. program for the top meritorious students from the M.Tech.I – admitted directly to Ph.D. program.
- 3) Institute practices Internal Academic audit for improvement in quality of education.
- 4) Regularly participating for Accreditating of UG & PG programmes.
- 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 filling / 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 converted 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 programmes 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 4<sup>th</sup> 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, Seventeen Programmes and Three M.Sc. Five Years Integrated programme including doctoral programme in all above branches.

#### Discipline Details

Sr. No.	Discipline Name	Level	Year of Inception	No. of Sub streams	Sub stream Name	Level	Year of Sub stream Inception
1	Civil Engineering	UG	1961	04	Environmental Engineering	PG	1973
					Water Resource Engineering	PG	1987
					Urban Planning	PG	1973
					Transportation Engineering & Planning	PG	2007
2	Mechanical Engineering	UG	1961	05	Turbo Machines	PG	1983
					Mechanical Engineering	PG	1974
					Manufacturing Engg. / IPED (2013)	PG	2013
					Thermal System Design	PG	2007
					CAD / CAM	PG	2007
3	Electrical Engineering	UG	1961	02	Power Electronics & Electrical Drives	PG	2006
					Power System	PG	2012
4	Electronics Engineering	UG	1982	02	Communication Systems	PG	2005
					VLSI & Embedded System	PG	2012
5	Computer Engineering	UG	1988	01	Computer Engineering	PG	2006
6	Chemical Engineering	UG	1995	01	Chemical Engineering	PG	2005
7	Applied Mechanics	--	--	02	Soil Mechanics & Foundation Engg.	PG	1973
					Structural Engineering	PG	1974
8	Applied Physics	M.Sc.	2007	--			
9	Applied Chemistry	M.Sc.	2007	--			
10	Applied Mathematics	M.Sc.	2007	--			

## 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 Ahmedbad (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 girls student is increasing day by day. The Institute has at present 150 staff quarters and 80 new flats have been built and occupied by faculty. 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, MHRD – Govt. of India, Industrialists, Technologists, Indian Institute of Technology, Alumni and faculty of the Institute in the Board of Governors.

The Govt. of India, Ministry of HRD (Deptt. 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 Under Graduate Programmes, Bachelor of Technology (B.Tech.) of minimum four years, eight semesters duration in Civil Engineering, Mechanical Engineering, Electrical Engineering, Electronics & Communication Engineering, Computer Engineering and Chemical Engineering.

The Institute also is one of the first NIT (National Institute of Technology) to initiate the Post Graduate Programmes in Basic Sciences (Five Year Integrated M.Sc. Programmes of minimum five years, ten semester duration) in Physics, Chemistry and Mathematics.

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

The Institute is a recognized centre for post-graduation in M.Tech. (by Research) and Doctoral Programmes (Ph.D.) 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.

**Five Year Integrated M.Sc. Programmes** of minimum five years, ten semester duration in Physics, Chemistry and Mathematics.

**Full time Master of Technology (M.Tech.)** programmes of minimum two years, four semester duration are also offered.

1	Civil Engineering	:	Environmental Engineering Water Resource Engineering Urban Planning Transportation Engineering
2	Applied Mechanics	:	Structural Engineering Soil Mechanics & Foundation Engineering
3	Mechanical Engineering	:	Mechanical Engineering Manufacturing Engineering Turbo Machines Thermal System Design CAD / CAM
4	Electronics Engineering	:	Communication Systems VLSI & Embedded Systems
5	Electrical Engineering	:	Power Electronics & Electrical Drives Power Systems
6	Computer Engineering	:	Computer Engineering
7	Chemical Engineering	:	Chemical Engineering

**M.Tech. (Research)** programmes are offered in following Departments:

- (1) Civil Engineering
- (2) Applied Mechanics
- (3) Mechanical Engineering
- (4) Electronics & Communication Engineering
- (5) Chemical Engineering
- (6) Computer Engineering
- (7) Electrical Engineering

**Full Time Doctorate programmes** are being offered in following academic departments:

- (1) Applied Mechanics (Structural Engineering & Geotechnical Engineering)
- (2) Applied Chemistry
- (3) Applied Mathematics & Humanities
- (4) Applied Physics
- (5) Chemical Engineering
- (6) Civil Engineering
- (7) Computer Engineering
- (8) Mechanical Engineering
- (9) Electronics Engineering
- (10) Electrical 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.

**Post Graduate Courses:**

The admission is made on the basis of Centralized Counselling for M.Tech. / M.Plan (CCMT) admission 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 55% aggregate marks of all 8 semesters (CGPA=6.0) 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.

**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 process Master's Degree in relevant area of Research and should have passed with at least second class with minimum 50% (CGPA=5.0) or equivalent in respective engineering faculty and 55% (CGPA=6.0) 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 104 seats of DASA students are also admitted under the scheme of Central Government.

**Five Year 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)** Manufacturing Engineering **(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. Special coaching is being done for weak students and then after they can appear for supplementary examination.

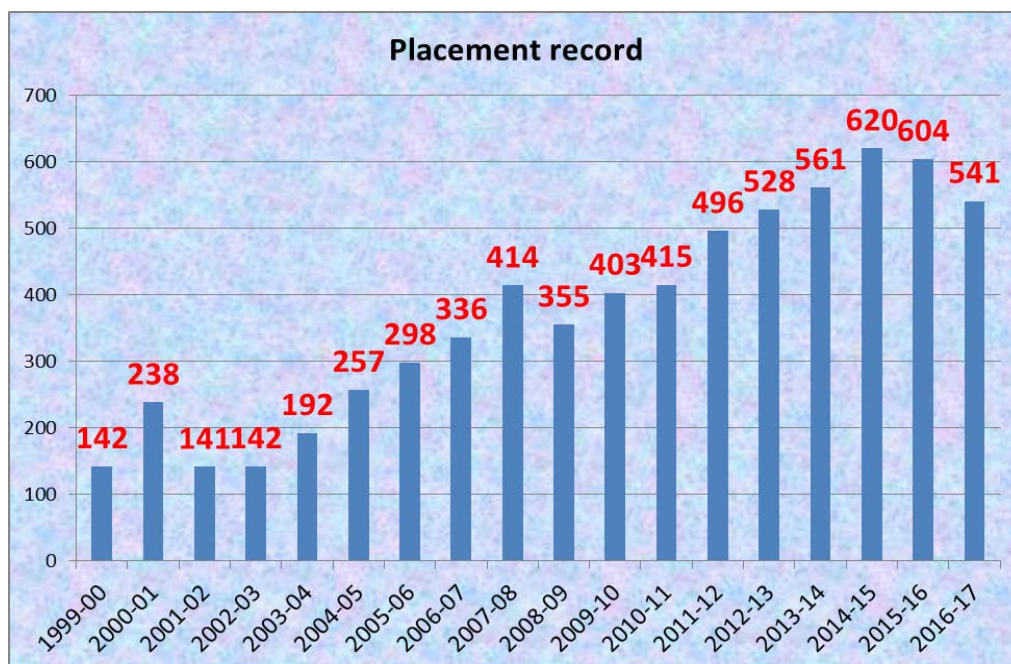
**Placement:**

SVNIT offers six Under Graduate (B.Tech.) seventeen Post Graduate (M.Tech.) and three M.Sc. Integrated courses (Chemistry, Physics & Mathematics). The Training & Placement Section (T&P) helps the student's placement in various public and private sector organizations by arranging the campus interviews. Following are the relevant information as ready reference.

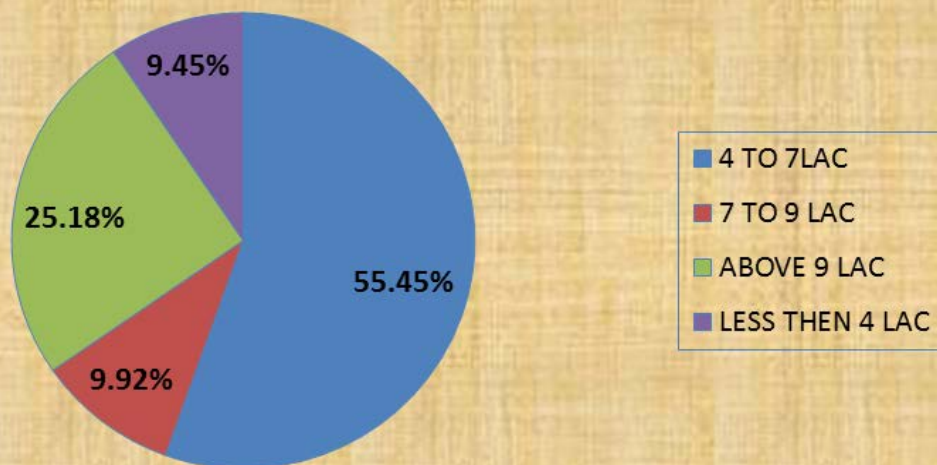
<b>Details of Placement of UG (B.Tech.) students 2016-17</b>						
<b>Particulars</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
Total No. of students	538	619	688	676	709	707
Number of eligible students	421	518	518	532	593	624
Number of students selected	438	431	420	463	457	427

<b>Details of Placement of PG (M.Tech.) students 2016-17</b>						
<b>Particulars</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
Total No. of students	252	306	304	352	353	262
Number of eligible students	174	161	262	308	329	233
Number of students selected	63	97	141	157	125	94

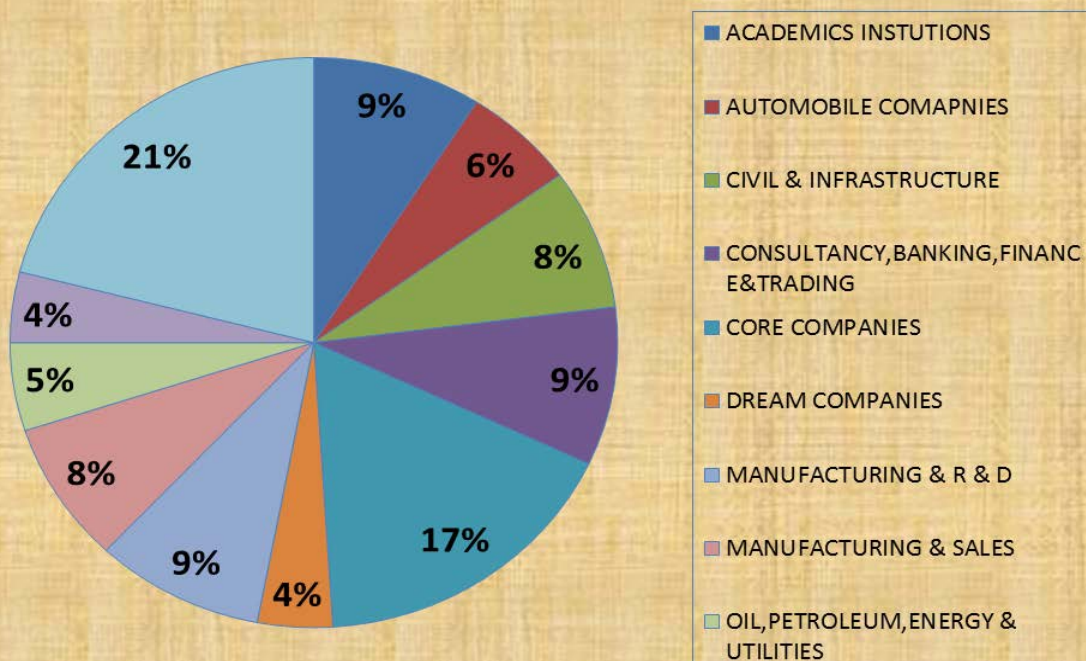
<b>Details of Placement of M.Sc. students 2016-17</b>						
<b>Particulars</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>
Total No. of students	--	69	25	47	39	55
Number of eligible students	--	36	11	32	32	44
Number of students selected	--	06	11	13	06	12



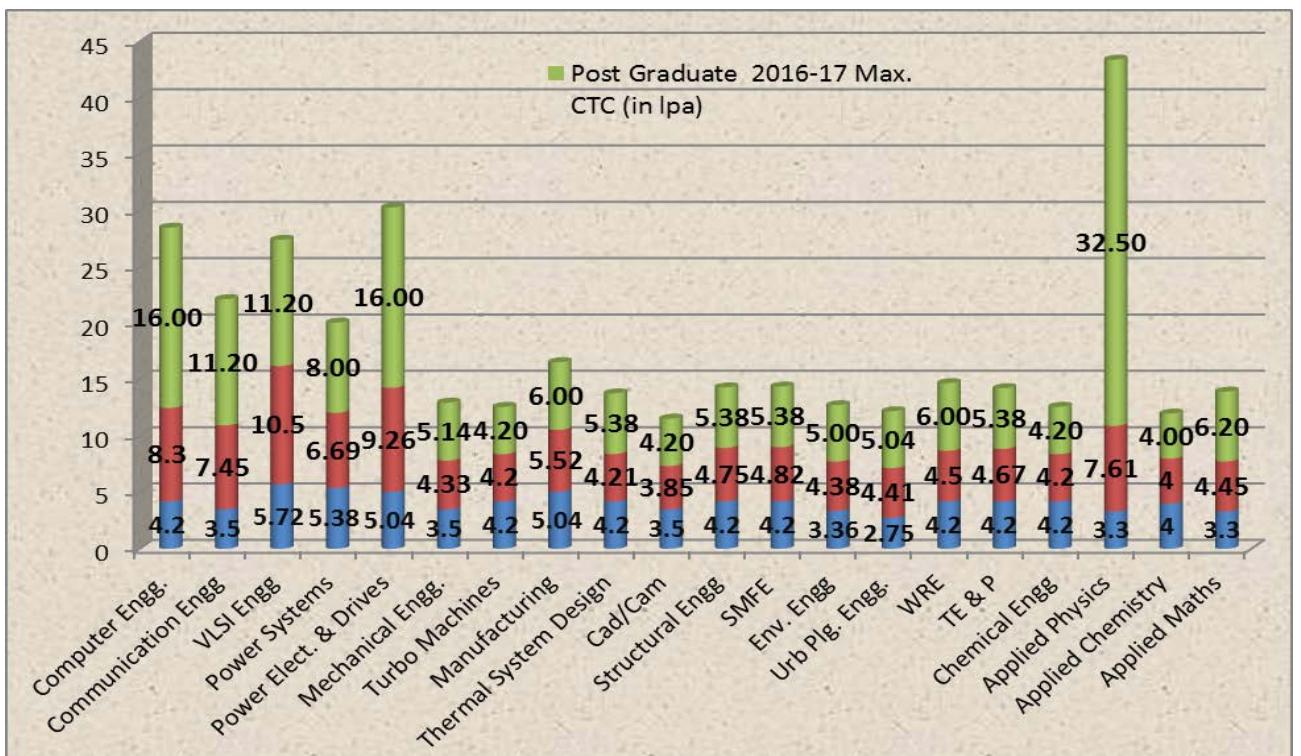
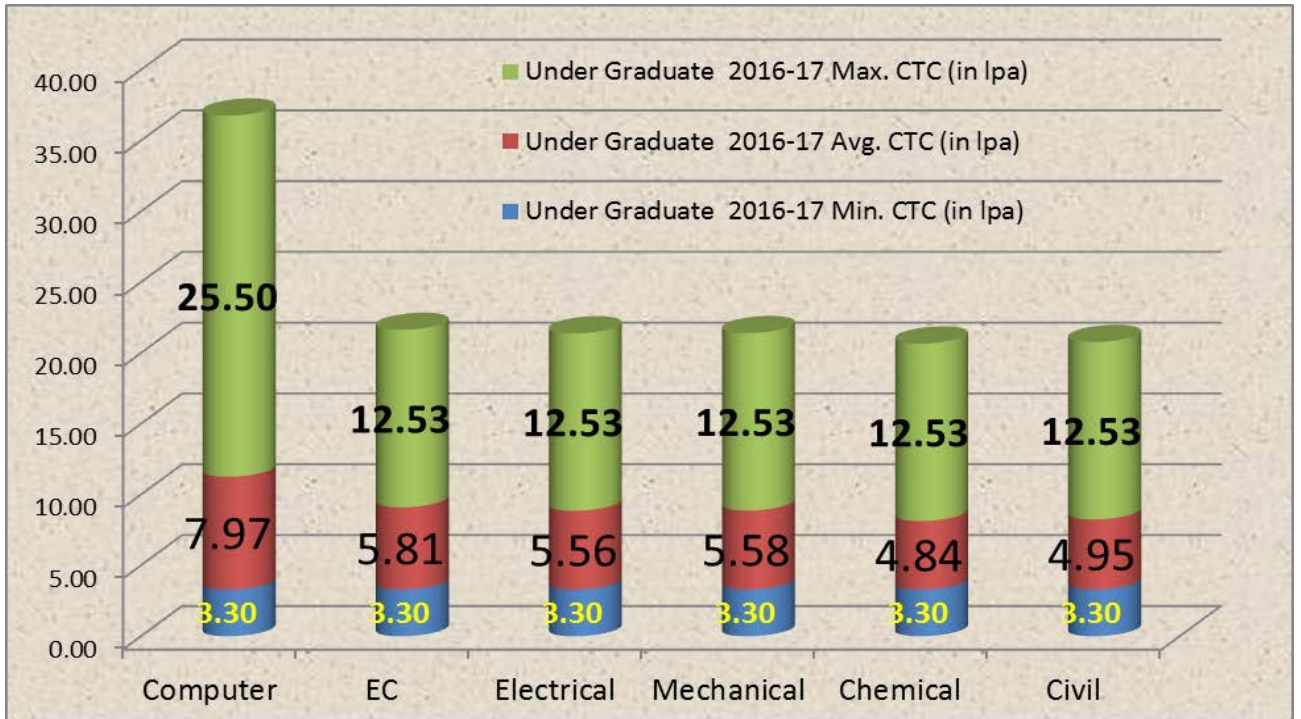
### CTC Wise Distribution of Companies 2016-17



### Sector Wise Distribution of Companies 2016-17









## 2.10 Games and Sports :

Here we share the Annual Report of the Physical Education Department for the performance of the year 2016-17. In year 2016-17 SVNIT, Surat participated in all the Inter NIT Sports Tournaments (except inter NIT Sport Tournament at NIT Srinagar). We hosted IGNIS successfully and participated in other sports events hosted by engineering institutions of various province of the nation. Year 2016-17 was a year for us where our teams failed to carry forward momentum of victories we achieved in year 2015-16. Teams struggled and end their journeys at or before semi-finals. We strongly believe it may be due to pass out of many senior students who were actively participating in sports competitions. But we have potential to groom fresh students and rebuild teams and strategically plan team combinations. Even though teams failed to achieve positions in Inter NIT, all the teams performed their best in IGNIS and other events they participated at outstation. During this year SVNIT Surat became first NIT to host inter NIT faculty and staff tournament. SVNIT faculty and staff team secured positions in Badminton and Table Tennis. Dr. N. K. Datta was appointed as an observer for an inter NIT sports tournament.

Each individual of Physical Education Section has given his best effort all across year to provide opportunities to students. Each of us has created scope for students to attend and learn sports activities. Players have won many trophies and medals in many games under guidance of Dr. N.K. Datta and Mr. Chirag Vaghela.

With help and kind support of Director, Registrar, Deans, Wardens, Faculty advisors, Members of Sports Committee, Volunteers and Students Co-ordinators. We had organized many Intra mural sports tournaments with great success and higher participation.

### Performance of SVNIT Sports Team in All India Inter NIT Sports Tournament 2016-17

Sr. No.	Name of Tournament	Venue	Performance
01	Badminton	NIT Trichy	4 <sup>th</sup>
02	Badminton(Girls)	NIT Trichy	-
03	Basketball	NIT Jaipur	Champion
04	Basketball (Girls)	NIT Jaipur	-
05	Chess	NIT Srinagar	Not participated
06	Chess (Girls)	NIT Srinagar	Not participated
07	Cricket	NIT Rourkela	Runner-up
08	Handball	NIT Surathkal	Runner-up
09	Football	NIT Agartala	Quarter Final
10	Kabaddi	NIT Rourkela	-
11	Kho-kho	NIT Surathkal	Runner-up
12	Kho-kho (Girls)	Not conducted	-
13	Table Tennis	NIT Srinagar	Not participated
14	Table Tennis (Girls)	NIT Srinagar	Not participated
15	Tennis	NIT Trichy	Quarter Final
16	Tennis (Girls)	NIT Trichy	Rth
17	Volleyball (Boys)	NIT Surathkal	4 <sup>th</sup>
18	Volleyball (Girls)	NIT Surathkal	4 <sup>th</sup>

### Performance of SVNIT in All India Inter NIT Sports Tournament

#### IGNIS-16 (2016-17)

Sr. No.	Name of Tournament	Venue	Performance
01	Badminton	SVNIT Surat	Champion
02	Badminton(Girls)	SVNIT Surat	Champion
03	Basketball	SVNIT Surat	Champion
04	Basketball (Girls)	SVNIT Surat	Runner-up
05	Chess	SVNIT Surat	Champion
06	Cricket	SVNIT Surat	Champion
07	Handball	SVNIT Surat	Champion
08	Football	SVNIT Surat	-
09	Kabaddi	SVNIT Surat	Runner-up
10	Kho-kho	SVNIT Surat	Champion
11	Kho-kho (Girls)	SVNIT Surat	Champion
12	Table Tennis	SVNIT Surat	Runner-up
13	Table Tennis (Boys)	SVNIT Surat	Champion
14	Table Tennis (Girls)	SVNIT Surat	Champion

#### Performance of SVNIT in Other Tournament

Sr. No.	Name of Tournament	Venue	Performance
01	Badminton	Jaipur	-
02	Chess	MNIT Jaipur	Champion
03	Chess (Girls)	MNIT Jaipur	Champion
04	Cricket	C.K. Pithawala	-
05	Table Tennis	MNIT Jaipur	Champion
06	Table Tennis (Girls)	MNIT Jaipur	Champion

### 3.0 THE STAFF

#### 3.1 Academic Staff (Teaching)

As on date 30/06/2017, Dr. S.R. Gandhi is the Director of the Institute.

The Institute has **296** sanctioned posts of faculty members, out of which **172** posts of faculty members have been filled. The Department wise list of faculty members with their designation and qualification is given at Point No.12.2.

#### 3.2 Non-academic staff

As on date 30/06/2017, Prof. D.P. Vakharia is the Incharge Registrar of the Institute. As present **08** Senior Administrative staff, **29** Class-III Non-Technical staff and **28** Technical staff and **29** Class-IV staff members are on the Roll. The list of staff members with their designation and department is given at Point No.12.3.

#### 3.3 Training Staff

The list of faculty / staff members deputed for the above scheme during the period under report is given at Point No.12.4.



#### 4.0 Teaching Programmes :

##### 4.1 UG Courses Offered :

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

##### 4.2 Course –wise enrolment with Sex, Caste break-up

( B.Tech.-First Year-2016-17 )

Discipline	Intake	Open		SC		ST		OBC		DASA / GOI		TOTAL	
		B	G	B	G	B	G	B	G	B	G	B	G
Civil Engg.	92	30	08	12	00	08	00	17	02	05	01	72	11
Mechanical Engg.	185	87	03	28	00	12	02	49	00	35	02	212	7
Electrical Engg.	92	31	06	11	03	03	03	26	00	03	01	74	13
Electronics & Comm.	138	36	29	17	01	06	01	24	09	07	09	90	49
Computer Engg.	93	34	08	11	01	05	02	21	04	12	08	83	23
Chemical Engg.	93	35	09	11	02	06	01	20	04	09	01	81	17
<b>Total</b>	<b>693</b>	<b>253</b>	<b>63</b>	<b>90</b>	<b>7</b>	<b>40</b>	<b>9</b>	<b>157</b>	<b>19</b>	<b>71</b>	<b>22</b>	<b>612</b>	<b>120</b>

##### 4.3 Admission statistics UG/PG/Ph. D. Programmes Course-wise :

UG Programmes (Academic Year 2016-17)

Branch	Year	Semester	Boys	Girls	Total
Civil Engineering	I	First	72	11	83
	II	Third	87	09	96
	III	Fifth	88	11	99
	IV	Seventh	95	10	105
<b>Total</b>			<b>342</b>	<b>41</b>	<b>383</b>
Mechanical Engg.	I	First	212	07	219
	II	Third	223	06	229
	III	Fifth	229	04	233
	IV	Seventh	222	05	227
<b>Total</b>			<b>886</b>	<b>22</b>	<b>908</b>
Electrical Engg.	I	First	74	13	87
	II	Third	79	20	99
	III	Fifth	79	19	98
	IV	Seventh	81	17	98
<b>Total</b>			<b>313</b>	<b>69</b>	<b>382</b>
Electronics & Comm. Engg.	I	First	90	49	139
	II	Third	99	40	139
	III	Fifth	93	51	144
	IV	Seventh	102	34	136
<b>Total</b>			<b>384</b>	<b>174</b>	<b>558</b>
Computer Engg.	I	First	83	23	106
	II	Third	70	38	108
	III	Fifth	85	21	106
	IV	Seventh	69	34	103
<b>Total</b>			<b>307</b>	<b>116</b>	<b>423</b>
Chemical Engg.	I	First	81	17	98
	II	Third	68	17	85
	III	Fifth	69	19	88
	IV	Seventh	73	23	96
<b>Total</b>			<b>291</b>	<b>76</b>	<b>367</b>
<b>Grand Total</b>			<b>2523</b>	<b>498</b>	<b>3021</b>

**Five Year Integrated M. Sc. Programmes (Academic Year 2016-17)**

Branch	Year	Semester	Boys	Girls	Total
<b>Physics</b>	I	First	18	04	22
	II	Third	35	10	45
	III	Fifth	34	13	47
	IV	Seventh	14	04	18
	V	Ninth	15	08	23
		<b>Total</b>	<b>116</b>	<b>39</b>	<b>155</b>
<b>Chemistry</b>	I	First	08	04	12
	II	Third	18	12	30
	III	Fifth	27	18	45
	IV	Seventh	10	11	21
	V	Ninth	07	11	18
		<b>Total</b>	<b>70</b>	<b>56</b>	<b>126</b>
<b>Mathematics</b>	I	First	18	04	22
	II	Third	35	10	45
	III	Fifth	34	13	47
	IV	Seventh	14	04	18
	V	Ninth	15	08	23
		<b>Total</b>	<b>94</b>	<b>52</b>	<b>146</b>
<b>Grand Total</b>			<b>280</b>	<b>147</b>	<b>427</b>

**P.G. Programmes : (Academic Year 2016-17)**

Branch	Year	Boys	Girls	Total
<b>Soil Mech. &amp; Foundation Engg.</b>				
First Sem	I	14	06	20
Third Sem	II	17	04	21
<b>Water Resource Engg.</b>				
First Sem	I	16	03	19
Third Sem	II	06	03	09
<b>Environmental Engg.</b>				
First Sem	I	12	04	16
Third Sem	II	11	02	13
<b>Urban Planning</b>				
First Sem	I	16	03	19
Third Sem	II	11	02	13
<b>Structural Engg.</b>				
First Sem	I	17	01	18
Third Sem	II	18	02	20
<b>Transportation Engg. &amp; Planning</b>				
First Sem	I	18	02	20
Third Sem	II	12	06	18
<b>Mechanical Engg. (General)</b>				
First Sem	I	18	01	19
Third Sem	II	16	01	17
<b>Turbo Machines</b>				
First Sem	I	17	02	19
Third Sem	II	18	01	19

Branch	Year	Boys	Girls	Total
<b>Manufacturing Engg.</b>				
First Sem	I	22	00	22
Third Sem	II	20	00	20
<b>Thermal System Design</b>				
First Sem	I	21	00	21
Third Sem	II	16	01	17
<b>CAD-CAM</b>				
First Sem	I	18	00	18
Third Sem	II	16	03	19
<b>Power Electronics &amp; Electrical Drives</b>				
First Sem	I	16	02	18
Third Sem	II	18	01	19
<b>Power Systems</b>				
First Sem	I	17	04	21
Third Sem	II	15	03	18
<b>Communication Systems</b>				
First Sem	I	17	01	18
Third Sem	II	11	06	17
<b>VLSI &amp; Embedded Systems</b>				
First Sem	I	14	04	18
Third Sem	II	15	04	19
<b>Computer Engg.</b>				
First Sem	I	09	09	18
Third Sem	II	11	07	18
<b>Chemical Engg.</b>				
First Sem	I	06	02	08
Third Sem	II	08	03	11
<b>Total of First Sem</b>		<b>268</b>	<b>44</b>	<b>312</b>
<b>Total of Third Sem</b>		<b>239</b>	<b>49</b>	<b>288</b>
<b>Total of First &amp; Third Sem</b>		<b>507</b>	<b>93</b>	<b>600</b>

**M.Tech. ( Research ) (Academic Year 2016-17)**

Departments	Admission Year	Boys	Girls	Total
Civil Engineering	2014-15	01	00	01
	<b>Total</b>	<b>01</b>	<b>00</b>	<b>01</b>
Applied Mechanics	2012-13	02	00	02
	2013-14	01	00	01
	2015-16	01	00	01
	<b>Total</b>	<b>04</b>	<b>00</b>	<b>04</b>
Electronics & Commu.	2014-15	01	00	01
	<b>Total</b>	<b>01</b>	<b>00</b>	<b>01</b>
	<b>Grand Total</b>	<b>06</b>	<b>00</b>	<b>06</b>



**Ph.D. Programmes (Academic Year 2016-17) (Engg.) : (A)**

Departments	Admission Year	Boys	Girls	Total
Mechanical Engineering	2008-09	01	00	01
	2009-10	04	00	04
	2010-11	08	01	09
	2011-12	14	00	14
	2012-13	13	01	14
	2013-14	16	00	16
	2014-15	15	03	18
	2015-16	16	01	17
	2016-17	17	01	18
	<b>Total</b>	<b>104</b>	<b>07</b>	<b>111</b>
Civil Engineering	2007-08	00	01	01
	2008-09	02	00	02
	2009-10	00	01	01
	2010-11	00	03	03
	2011-12	04	03	07
	2012-13	13	05	18
	2013-14	05	08	13
	2014-15	11	07	18
	2015-16	14	05	19
	2016-17	20	03	23
	<b>Total</b>	<b>69</b>	<b>36</b>	<b>105</b>
Applied Mechanics	2008-09	01	00	01
	2010-11	03	05	08
	2011-12	02	02	04
	2012-13	09	01	10
	2013-14	09	01	10
	2014-15	12	07	19
	2015-16	06	02	08
	2016-17	14	03	17
	<b>Total</b>	<b>56</b>	<b>21</b>	<b>77</b>
Chemical Engg.	2010-11	01	01	02
	2011-12	04	00	04
	2013-14	04	02	06
	2014-15	05	03	08
	2015-16	04	01	05
	2016-17	07	00	07
	<b>Total</b>	<b>25</b>	<b>07</b>	<b>32</b>
Electronics	2010-11	00	04	04
	2011-12	00	02	02
	2012-13	01	01	02
	2013-14	01	01	02
	2014-15	09	07	16
	2015-16	05	03	08
	2016-17	06	04	10
	<b>Total</b>	<b>22</b>	<b>22</b>	<b>44</b>
Electrical Engineering	2010-11	01	00	01
	2011-12	02	02	04
	2012-13	03	00	03
	2013-14	05	00	05
	2014-15	12	01	13
	2015-16	04	02	06
	2016-17	08	04	12
	<b>Total</b>	<b>35</b>	<b>09</b>	<b>44</b>
Computer Engineering	2009-10	01	02	03
	2012-13	02	01	03
	2014-15	07	01	08
	2015-16	07	05	12
	2016-17	02	01	03
	<b>Total</b>	<b>19</b>	<b>10</b>	<b>29</b>
<b>Total of Engg. (A)</b>		<b>330</b>	<b>112</b>	<b>442</b>

**Ph.D. Programmes (Academic Year 2016-17) (Science) : (B)**

Departments	Admission Year	Boys	Girls	Total
<b>Applied Chemistry</b>	2010-11	01	00	01
	2011-12	02	00	02
	2012-13	03	00	03
	2013-14	03	02	05
	2014-15	03	06	09
	2015-16	02	02	04
	2016-17	00	00	00
	<b>Total</b>	<b>14</b>	<b>10</b>	<b>24</b>
<b>Applied Mathematics</b>	2010-11	03	01	04
	2011-12	00	01	01
	2012-13	02	01	03
	2013-14	08	07	15
	2014-15	05	03	08
	2015-16	01	03	04
	2016-17	04	00	04
	<b>Total</b>	<b>23</b>	<b>16</b>	<b>39</b>
<b>Applied Physics</b>	2008-09	00	00	00
	2009-10	00	00	00
	2010-11	02	00	02
	2011-12	01	00	01
	2012-13	01	00	01
	2013-14	03	01	04
	2014-15	06	02	08
	2015-16	04	02	06
	2016-17	01	01	02
<b>Total</b>	<b>18</b>	<b>06</b>	<b>24</b>	
<b>Management</b>	2011-12	00	00	00
	2012-13	02	01	03
	2013-14	00	02	02
	2014-15	00	00	00
	2015-16	00	01	01
	2016-17	01	01	02
	<b>Total</b>	<b>03</b>	<b>05</b>	<b>08</b>
<b>English</b>	2011-12	01	00	01
	2014-15	00	01	01
	2015-16	00	00	00
		00	01	01
	<b>Total</b>	<b>01</b>	<b>02</b>	<b>03</b>
<b>Total of Science (B)</b>		<b>59</b>	<b>39</b>	<b>98</b>
<b>Grand Total (A)+(B)</b>		<b>389</b>	<b>151</b>	<b>540</b>

4.4 Total Students Strength : 4594

#### 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. The activities of hostels are managed by the Council of Wardens (COW) and Hostel Management Committees (HMC) of the students. The Students" Co-ordination Cell is formed to act as a medium of communication between Hostel section and students.

**HOSTEL SET-UP AND ACCOMODATION:**

The Institute Campus has nine hostels, including one girls" hostel and one hostel guest house. Name of hostels, hostel type, number of rooms and capacity are given below:

Sr. No.	Hostel Name	Hostel Type	No. of Rooms	No. of Seats
01	Bhabha Bhavan	Boys	460	Single/Double
02	Gajjar Bhavan	Boys	650	Single/Double
03	Tagore Bhavan	Boys	192	Single/Double
04	Nehru Bhavan	Boys	204	Single/Double
05	Raman Bhavan	Boys	98	Family/Double
06	Swami Vivekanand Bhavan	Boys	950	Single
07	Sarabhai Bhavan	Boys	132	Double
08	Mother Teresa Bhavan	Girls	800	Single
09	Narmad Bhavan	Hostel Guest House	64	Single/Double

**HOSTEL WISE OCCUPANCY-2016-17**

Name of Hostel	Year	Total Students	Warden Team
Bhabha Bhavan	B.Tech.II-III M.Sc.II-III Ph.D.	440	Dr. Abhilash Mandloi Dr. L.K. Saini Dr. Srinivas Arkatkar Shri Bhavesh Gohil
Gajjar Bhavan	B.Tech. & M.Sc.I M.Tech.II	743	Dr. M.K. Rathod Dr. Rajendra Kumar Dr. Debesh Ranjan Roy Shri S.R. Suryawanshi
Sarabhai Bhavan	M.Tech.I T.A. & JRF	242	Dr. H.K. Dave
Tagore Bhavan	B.Tech. M.Sc.II	254	Dr. Rakesh Maurya Shri Anil Kumar Mahto
Nehru Bhavan	B.Tech. & M.Sc.II	262	Dr. V.D. Kalyankar
Raman Bhavan	Ph.D. (Family) Ph.D.	82	Dr. Sabha Raj Arya
Swami Vivekanand Bhavan	B.Tech.III-IV M.Sc. III-IV-V	897	Dr. S.R. Patel Shri Nikunj Patel Dr. Dinesh Singh. Dr. Ketan Kuperkar
Mother Teresa Bhavan	B.Tech.I-II-III-IV M.Tech.I-II M.Sc.I-I-III-IV-V Ph.D. TA, JRF & NBCC	655	Dr. Urvashi Kausal Dr. Kalpana Maheria Dr. Vasundhara Mahajan
Narmad Bhavan	Guest House	-	Dr. A.K. Mungray

**4.6 Scholarship / Assistance-ship**

The Institute offers following Scholarship / Assistance-ship:

- (i) **Dr. A.P. Verma Scholarhsip** (B.Tech.I in Mathematics)  
First Prize (60% of Interest)  
Second Prize (40% of Interest)  
Scholarships awarded to 2 students.
- (ii) **Memory of Mr. NHishit Vijay Sampat, Mumbai**  
Merit based prize for best students graduating in Technology (Mech. Engg.) every year

Cash Prize Rs.2000/- to concerned students.

- (iii) **Siddharth Gupta Gold Medal**  
to be awarded to student of Mechanical Engineering getting highest marks and to be awarded during convocation.
- (iv) **Dr. B. Majumdar (Ex-Director)**  
for award of Shri Rajnikumar Majumdar memorial Merit-cum-Means Scholarship and Gold Medal every year.
- (v) **Dr. (Mrs.) Sheru S. Sopariwala Gold Medal**  
for award of late Mr. Sohrab S. Sopariwala memories to the TOPPER of (Elect. Engg.)
- (vi) **Smt. Bhavani Narendrakumar Mehta Gold Medal**  
for award of the TOPPER of (Computer Engg.)
- (vii) **Shri N.N. Patel has sponsored Gold Medal**  
For award of Smt. Mahalaxmiben Natwarlal Patel Memories to the TOPPER of (Civil Engg.)
- (viii) **Memory of Late Prof. (Dr.) Mahesh Dahyabhai Desai**  
For sponsorship of every year Merit base cash prize award Rs.15000/- to FIRST ranker in M.Tech. Civil with a specialization in Soil Mech. & Foundation Engg. Concerned student.

#### The details of scholarship offered by various agencies

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 <sup>th</sup>	10000/- per year	Not Specified	53
2.	Post Metric Scholarship SC	Rs.550/- P.M. for Day Scholars and Rs.1200/- P.M. for Hostellers Tuition Fees & Other Fees	Not Specified	41
3.	Post Metric Scholarship ST	Rs.550/- P.M. for Day Scholars and Rs.1200/- P.M. for Hostellers Tuition Fees & Other Fees	Not Specified	20
4.	Scholarships for Other Backward Classes	Rs.350/- P.M. for Day Scholars and Rs.750/- P.M. for Hostellers Rs.290/- P.A. Exam Fees	Not specified	22
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, Multimedia etc. limited to Rs.45000 per students for the entire course of study.	23	55
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	Not specified	17

Sr. No.	Name of the Scholarship	Value of Scholarship	No. of scholarships available at the college	No. of scholarships awarded
		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, Multimedia etc. limited to Rs.45000 per students for the entire course of study.		
7.	National Handicapped Finance and Development Corporation Scholarship Scheme	Non-refundable Fees Maintenance Allowances Books & Stationary Allowances	1000 (Trust Fund) 500 (National Fund)	15
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	34
9.	Indian Oil Scholarship for SC students	Rs.36000/- per annum	Not specified	01
10	National Talent Search Scheme Scholarship	Rs.6000/- per annum	Not Specified	02
11	Chief Minister Scholarship Scheme for Gujarat State (Guj)	50% of tuition fees	Not specified	58
12	Mukhyamantri Yuva Swavlamban Yojna (MYSY) (GUJ)	50% of tuition fees& Book, Equipment in entire course @ 5000/- and Lodging & Boarding @1200 P.M. for 10 month in a year	Not specified	133
13	Engineers India Ltd. Scholarship for SC/ST students	Rs. 3000/- p.m.	Not specified	02
14	CBSE Merit Scholarship Scheme for Professional courses	Rs. 1000/- p.m.	Not specified	02
15	Inspire Scholarship for UG Science students	Rs.5000/- p.m. & Rs.20000/- p.a. reimbursement for expenses towards academic research	80000	10
16	Foundation for Academic Excellence & Access (FAEA) (BHEL-5)	Financial support for tuition fees, Hostel fees, Mess book as per scholarship norms	Not Specified	01
17	Swami Dayanand Educational	Financial Support	200	10
18	National Thermal Power Corporation (NTPC)	Scholarship for SC/ST students	Not Specified	01
19	Financial Assistance from students welfare	Financial support	Not Specified	37
<b>Post Graduate</b>				
1.	M.E./ M.Tech / MS/ M.Design and GATE/GPAT qualified Assistance ship/Scholarship/ Fellowship	12400/- P.M. (Bothe 1 <sup>st</sup> & 2 <sup>nd</sup> year ) and 5 <sup>th</sup> year of Dual Degree Programmes)	Not specified	577
<b>Ph.D.</b>				
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	76
2.	SENIOR RESEARCH FELLOW (SRF)	28000/- P.M.	Not specified	91

Sr. No.	Name of the Scholarship	Value of Scholarship	No. of scholarships available at the college	No. of scholarships awarded
3	Visvesvaraya PhD Schem 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 <sup>st</sup> & 2 <sup>nd</sup> year ) @25000/- P.M. (3 <sup>rd</sup> year and onwads	2 full time	07
4	INSPIRE fellowship under AORC Scheme of “ Innovation in Science Pursuit for Inspired Research(INSPIRE)” Program of Department of Science and Technology (DST), Technology, Bhawan, New Mehrauli Road, New Delhi	15000/- Stipend per month & HRA 20000/- Contingency per annum	Not specified	03

#### 4.7 Examination Details:

##### Under Graduate Courses – Bachelor of Technology (Examination April/May 2016)

Discipline	Total No appeared	Total No passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Civil	99	96	61	24	11	Darshit Jasani	9.68
Mechanical	207	197	115	61	21	Jaiswal Hardik Rajkumar	9.75
Electrical	98	95	50	34	11	Direndranarayan L. Tripathi	9.83
Electronics & Comm.	149	148	67	68	13	Bodawala Kesha Himanshu	9.65
Computer	101	95	50	36	09	Priyanka Hiranandani	9.62
Chemical	82	82	36	16	30	Preet Shah	9.71
<b>Total</b>	<b>736</b>	<b>713</b>	<b>379</b>	<b>239</b>	<b>95</b>		

##### Post Graduate Courses – Five Years Integrated M.Sc. Courses (Examination April/May 2015)

Discipline	Total No appeared	Total No passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Chemistry	14	14	07	07	00	Tanu Anil Jain	9.54
Physics	17	17	09	08	00	Kriti Pradhan R.S.	9.42
Mathematics	09	09	05	04	00	Agarwal Heena Dilip	9.80
<b>Total</b>	<b>40</b>	<b>40</b>	<b>21</b>	<b>19</b>	<b>00</b>		

##### Post Graduate Courses – Master of Technology (M.Tech.) Courses (Examination April/May 2016)

Departments	No of students passed
Chemical Engineering	15
Civil Engineering	115
Computer Engineering	18
Electrical Engineering	36
Electronic Engineering	41
Mechanical Engineering	98
<b>Total</b>	<b>323</b>

**M.Tech. (Research) (Examination April/May 2016-17)**

<b>Departments</b>	<b>No of students passed</b>
Chemical Engineering	00
Civil Engineering	02
Computer Engineering	00
Electrical Engineering	00
Electronic Engineering	00
Mechanical Engineering	00
<b>Total</b>	<b>02</b>

**Doctorate Courses – Ph.D. Courses (2016-17)**

<b>Department</b>	<b>No. of students</b>
Chemical Engineering	02
Civil Engineering	24
Computer Engineering	10
Electrical Engineering	03
Electronics Engineering	08
Mechanical Engineering	15
Chemistry	02
Mathematics	05
Physics	05
English	00
Management	03
<b>Total</b>	<b>77</b>



## 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. :

<b>APPLIED MECHANICS DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Patil Jaymin Dattu	An Experimental Study On Pile Raft Foundation System in Sand	Dr.C H Solanki
02	Ms. VaishaliDawari	Vibration based structural damage identification in beams using modal parameters	Dr.G R Vesmawala
03	Ms. DipaliYerudkar	Buckling behavior of unrestrained stiffened cold formed steel channel and Zed sections	Dr.G R Vesmawala
04	Mr. Patel Paresh Ramjibhai	Influence of vertical load on lateral response of bored cast in-situ piles embedded in layered soil.	Dr.G R Vesmawala
05	Mr. Sameer Patel	Operational and numerical modal analysis of concrete bridges using traffic induced ambient vibration	Dr.G R Vesmawala
06	Mr. PradeepKodag	Behaviour of axially and bi-axially loaded reinforced concrete columns strengthened with glass fibre composites	Dr.G R Vesmawala
07	Minakshi V. Vaghani	Upgradation of Gravity Load Designed RC Beam Column Connections using SS Plates subjected to cyclic loading.	Dr. A.K. Desai
08	MandarSardesai	Dynamic Analysis of Extra dosed cable Stayed Bridges and correlation between ground acceleration and structural displacements for predicting Dynamic response of structure	
09	Kadam P K	Effect of Coal Bottom Ash Sand Replacement on Properties of Concrete	Dr. Y.D. Patil
10	Kulkarni S M	Advanced Reinforced Pattern for Reinforced Concrete Exterior Beam-Column Joint Subjected to Seismic Loading	Dr. Y.D. Patil
11	M V Patil	Experimental Study on Utilization of Industrial Waste	Dr. Y.D. Patil
12	Arekar V R	Development and Study of Space Structure Connectors for Double Layer Grid	Dr. Y.D. Patil
13	SiddhSharda P	Experimental Studies On Behaviour of Profiled Deck Composite Slab Subjected to Static Loading	Dr. Y.D. Patil
14	SachinMulay	Use of Sugarcane bagasse ash waste for sustainable development of cementitious system	Dr. Y.D. Patil
15	Dhake P D	Anchorage Strength and Behaviour of Headed Bars in Exterior Beam Column Joint	Dr. Y.D. Patil
<b>86 candidates are pursuing their Ph.D.</b>			

<b>APPLIED CHEMISTRY DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Mr. Yogeshwar R Suryawanshi	Synthesis of noble metal nanoparticles by microwave irradiated solvothermal technique and their catalytic applications	Dr. Smita Jauhari & Dr. Mousumi Chakraborty
02	Mr. Ashish Raychura	Polymers	Dr. Smita Jauhari Dr. Bharat Dholakiya
03	Mr. Azazahemad A. Kureshi	Phytochemical Investigation of medicinal plant(s) for cytotoxic properties	Dr. Premlata Kumari
04	Ms. Sonia R. Lakhotia	Water treatment by membranes	Dr. Premlata Kumari & Dr. Mausumi Mukhopadhyay
05	Mr. Manoj Kumar Rathod	Catalytic synthesis of biologically active	Dr. Kalpana C. Maheria &

<b>APPLIED CHEMISTRY DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
		compounds through multi-component reaction.	Dr. Suban Sahoo
06	Ms. Jenifer Gabla	Heterogeneous catalysis for pharmaceuticals synthesis	Dr. Kalpana C. Maheria
07	Mr. Dharmesh Lathiya	Heterogeneous catalysis for biodiesel synthesis	Dr. Kalpana C. Maheria & Dr. D. V. Bhatt, MED
08	Mr. Lankapati Henilkumar	Synthesis, characteristics of inorganic / hybrid materials and their environmental applications	Dr. Kalpana C. Maheria
09	Ms. Dhara Surti	Material Chemistry	Dr. Kalpana C. Maheria
10	Mr. Utkarsh U. More	Studies on the micellar Properties of Cationic Gemini Surfactants in the Presence of 1-Alkyl-3-Methylimidazolium Bromide Ionic Liquids in Aqueous Solution	Dr. Naved I. Malek
11	Mr. Zuber S.Vaid	Aggregation behavior of 1-Alkyl-3-Vinylimidazolium Bromide Ionic Liquids in Aqueous Solution and their Micellar Transition in the Presence of Different Additives	Dr. Naved I. Malek
12	Ms. Sargam Rajput	Surfactants	Dr. Naved I Malek & Dr. Suresh Kumar Kailasa
13	Mr. Ankit Shah	Task specific ionic liquid based surfactants	Dr. Naved I Malek
14	Ms. Shilpa Bothra	Vitamin B6 cofactors conjugated metal nanoparticles for optical sensing of metal ions and anions	Dr. Suban K. Sahoo
15	Ms. Yachna Upadhyay	Biological Sensors	Dr. Suban K. Sahoo & Dr. Rajender Kumar
16	Ms. Karuna A. Rawat	Organic framework on metal (Au and Ag) nanoparticles for colorimetric sensing of biomolecules and drugs	Dr. K. Suresh Kumar
17	Mr. Jigneshkumar Vasantbhai Rohit	Molecular assembly of dithiocarbamate derivatives on metal (Au and Ag) nanoparticles for colorimetric detection of pesticides	Dr. K. Suresh Kumar
18	Ms. Jigna Bhamore	Development of fluorescent nanoparticles for sensing of chemical species and their drug delivery	Dr. Suresh Kumar Kailasa
19	Ms. Mittal Desai	Metal ion-doping in nanoclusters and their applications	Dr. Suresh Kumar Kailasa
20	Mr. Mehul Savaliya	Biodiesel synthesis	Dr. Bharat Dholakiya
21	Mr. Jayanti Makasana	Natural plant extraction	Dr. Bharat Dholakiya
22	Mr. Bharatkumar B. Kanoje	Micellizationbehaviour of Conventional and Dimeric Surfactant in aqueous solution system: Characterization and their Applications. (Ongoing)	Dr. Ketan Kuperkar & Dr. Jigisha Parikh
23	Mr. Amit G. Shirke	Vegetable oil based polymer synthesis with detailed characterization and their Applications. (Ongoing)	Dr. Ketan Kuperkar & Dr. Bharat Z. Dholakia
24	Ms. Nimisha Singh	Biocompatible Nanoparticles for cancer Drug Delivery and Therapeutics by Facilitating Nitric Oxide Release	Dr. Rajender Kumar & Dr. Suban K Sahoo
25	Mrs. Khushbu Patel	Design of hybrid polymeric surfaces with anti-bio fouling properties and their application in biomedicine and environment	Dr. Rajender Kumar
<b>APPLIED MATHEMATICS &amp; HUMANITIES DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Ms Sakshi Saraf	Discrete computational approaches for mining association rules in large databases	Dr. Sanjay Sharma & Dr. Neeru Adlakha
02	Ms. Chhaya Singh	Soft and Fuzzy Set Based Machine Learning Approaches For The Prediction Of Conformational Epitope	Dr. K. R. Pardasani & Dr. Neeru Adlakha
03	Dr. Dhiren Pandit	Mathematical Technique PCA and LDA Fusion based model for Human emotion Recognition by facial expression	Dr. Jayesh M. Dhodiya
04	Ms Heta Desai	A Study of the Impact of Ethnicity on Consumer	Dr. H. P. Bulsara

APPLIED CHEMISTRY DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
		Demeanor on Financial in Surat, India	
05	Ms Jyoti Chandwani	A Study Of Women Entrepreneurship In Fashion Industry In Textile Sector Of Surat, India	Dr. H. P. Bulsara
06	Mr. Hiren Patel	A Study On Measurement Of Green Supply Chain Performance For Textile Industry Of Surat, India	Dr. H. P. Bulsara
07	Ms Meenu Shant Priya	Development of a Strategic Model to Investigate the Impact of Green Business Functions on Green Brand	Dr. H. P. Bulsara
08	Ramchandra Joshi	Life on the Move: A Study of the Migratory Experiences of the Indo-Caribbean Canadian Diaspora through the Selected works of Neil Bissoondath	Dr. Urvashi Kaushal
09	Dilip Jain	Some approximation properties of generalization of the family of positive linear operators	Dr. D. Gopal
10	Priyankaben M Patel	Exact Travelling Wave Solutions of Some Nonlinear Equations by Modified F-Expansion Method	Dr. V. H. Pradhan
11	Borana Ravindra Narayan	Numerical Solution of Single and Double Phase Flow in Porous Media	Dr. V. H. Pradhan & Dr. M. N. Mehta
12	Desale Satish Vasantrao	Numerical Solution of Boundary Layer Flow Equations Along a Flat Plate By Keller Box Method	Dr. V. H. Pradhan
13	Patel Asmita Chandrakant	Application of Haar Wavelet Method to One Dimensional Contaminant Transport Equations	Dr. V. H. Pradhan
14	Daga Amruta Rajendra	Application of Variational Homotopy Perturbation Method to Non-Linear Equations Arising in Stream Aquifer Interaction Problems	Dr. V. H. Pradhan
15	Bhadane Prem Kiran Gopal	Approximate Analytical Solution by Laplace Transform Homotopy Perturbation Method of Some Non-Linear Equations arising in Fluid Flow through Porous Media	Dr. V. H. Pradhan

CHEMICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Smitha Rajesh	Synthesis, characterization and application of <i>in situ</i> antioxidant incorporated polymeric membranes	Dr. Z.V.P. Murthy
02	Harshad R. Patil	Synthesis and characterization of ionic liquid assisted vanadium pentoxide, its doped nanoparticles applications in photodegradation and polymerization.	Dr. Z.V.P. Murthy
03	Saurabh C. Singh	Structure property relationship in natural fibres and composites.	Dr. Z.V.P. Murthy
04	Nishtha Rathore	Pervaporation of different systems.	Dr. Z.V.P. Murthy
05	Kamble Ashwin R.	Removal of mixture of gas stream by Gas permeation	Dr. Z.V.P. Murthy Dr. Chetan M Patel
06	Vaishali Umrigarh	Synthesis of Organic Compounds by Microwave irradiation	Dr Mousumi Chakraborty Dr. P.A.Parikh
07	Shilpa Nandwani	Application of Ionic Liquids in Chemical Engineering	Dr. S. Gupta Dr Mousumi Chakraborty
08	Himanshu Kohli	Separation of organic compounds by Supported Liquid Membrane	Dr Mousumi Chakraborty Dr. S. Gupta
09	Mr. Gaurav Mishra	Performance evaluation of mixed matrix HNTs-NPs-PVC UF Membrane	Dr. Mausumi Mukhopadhyay
10	Mr. Dharmesh H Sur	Study of inverse three-phase fluidized bed bioreactor in batch mode.	Dr. Mausumi Mukhopadhyay
11	Chirag Chamanlal Mevada	Study of RuO <sub>2</sub> Nanocomposites as Supercapacitors	Dr. Mausumi Mukhopadhyay
12	Sanjay Krishna	Molecular Simulation of Polymer nanocomposites	Dr. Chetan M. Patel

<b>CHEMICAL ENGINEERING DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
13	Mr. Paritosh Agnihotri	Studies on Microfluidic Flow for Fuel Cells and Other Selected Applications	Dr. V. N. Lad
14	Mr. Balaji Dhopte	Studies on the Effects of Interfacial Interactions of Liquids Containing Selected Macromolecules	Dr. V. N. Lad
15	Satish Rikame	Metals and energy recovery from wastewater using microbial fuel cell	Dr. Alka A. Mungray Dr. Arvind Mungray
16	Priyakant Pushker	Performance enhancement of microbial fuel cell	Dr. Arvind Mungray
17	Chetan Sharma	A study on ultrasound assisted crystallization of poorly water soluble active pharmaceutical ingredients (API)	Dr. Sanjaykumar R. Patel Dr. Meghal A. Desai
18	Nitu Kumari	Preparation and optimization of perovskite thin film solar cells	Dr. Sanjaykumar R. Patel Dr. Jignasa Gohil
19	Arunkumar M. Patel	Membrane assisted crystallization of active pharmaceutical ingredients (API)	Dr. Sanjaykumar R. Patel
20	Raj Kumar	Analysis of powder flow using Discrete Element Method	Dr. Chetan M. Patel Dr. Arun Kumar Jana
21	Yogeshwar N. Thakare	Investigation on liquid-solid expanded bed using high density ion exchange resin	Dr. A. K. Jana
22	Girish D. Vegad	Experimental and numerical investigation on heavy/extra heavy oil-water multiphase flow through pipelines	Dr. Arun Kumar Jana
23	Thakker Miral R.	Studies on extraction of essential oil from Palmarosa using novel techniques	Dr. Meghal A. Desai Dr. Jigisha K. Parikh
24	Piyush Modi	Application of Neoteric Solvents towards Solubilization and Extraction of Targeted Components	Dr. Meghal A. Desai Dr. Jigisha K. Parikh
25	Krishna Solanki	Synthesis and Characterization of Novel Catalytic System towards Value Added Chemicals	Dr. Jigisha K. Parikh Dr. Meghal A. Desai
26	Mr. Pankaj pardeshi	Novel modifications in osmotically microbial fuel cell (OMFC).	Dr. Alka Mungray
27	Sidhdhant Patel	Nanomaterials preparation and its applications for solar cell applications	Dr. Jignasa V. Gohel
28	Sanjay Kumar Srivastava	Catalytic upgradation of bio-oil model components towards transportation fuels and chemicals	Dr. G. C. Jadeja Dr. J. K. Parikh
29	Chandrabhushan T. Pal	Studies on extraction of phenolic antioxidants from fruit and vegetable wastes using emerging green techniques	Dr. G. C. Jadeja
30	Prajapati Rahul V.	Studies on photocatalytic degradation of organic pollutants	Dr. J. K. Parikh Dr. G. C. Jadeja

<b>CIVIL ENGINEERING DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Atul Ramdas Kolhe	Development of location based repetitive scheduling method for Indian housing industry	Dr J.E.M. Macwan Dr. K. A. Chauhan
02	Ms. Bhoomi Andharia	Numerical modelling of aggradation / degradation in mobile boundary channels	Dr. V L Manekar Dr. P L Patel Dr. P D Porey
03	Ravin M. Tailor	Performance improvement of flexible pavement over expansive subgrade using innovative materials	Dr. N. C. Shah Dr. M. D. Desai
04	Jiweshwar Sinha	Two layer numerical model for hydrodynamic and solute transport in compound open channels	Dr. P L Patel Dr. B K Samtani Dr. S K Das, CWPRS
05	Batliwala Bipinchandra J.	Economical analysis for modernization of Kakrapar right bank main canal (India)	Dr J. N. Patel
06	Ms Garg Leena	Modelling residential settlement pattern in newly expanded fringe area of a fast growing metropolitan city on spatial and temporal basis	Dr B. K. Katti

07	Ms Abhipsa R Makwana	Electrocoagulation for post-treatment of UASB reactor-treated municipal wastewater	Dr M. Mansoor Ahammed
08	Thorvat Akshay Ranjan	Development of synthetic unit hydrographs for ungauged basins of Maharashtra, India	Dr J. N. Patel

<b>MECHANICAL ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Darji Veera Pranav	Applications of Decision Making Methods to the Selected Problems of the Industrial Environment	R. V. Rao
02	Kamble Avinash Gulabrao	Gas metal arc welding of selected grades of stainless steels	R. V. Rao
03	Kiran Chunilal More	Design optimization of selected thermal devices using TLBO and Jaya algorithms.	R. V. Rao
04	Thangam Sreekumar Rajesh	Optimization of a thermal spray process used in petrochemical industries.	R. V. Rao
05	Dhiraj Rai Kalal	Development and applications of advanced optimization algorithms for parameters optimization problems of selected manufacturing processes.	R. V. Rao
06	Ankit Saroj	Development of new and hybrid optimization techniques and their applications to thermal engineering.	R. V. Rao
07	Shraddha Deshpande	Machining of Titanium based biomedical alloys	R. V. Rao
08	Hameer Singh Keesari	Optimization of renewable energy systems	R. V. Rao
09	Shashwat Saincher	"Development of a Two-Phase Navier Stokes based Numerical Wave tank for Ocean and Coastal Engineering Applications."	Dr. Jyotirmay Banerjee
10	Zinjala Hiteshkumar Karashanbhai	"Development of Novel Numerical Algorithm of Two Phase Flow"	Dr. Jyotirmay Banerjee
11	Digant S. Mehta	"Experimental and Numerical Investigation of shell and tube type latent heat storage unit"	Dr. Jyotirmay Banerjee & Dr. Manish K. Rathod
12	Jignesh P. Thaker	"Experimental Investigations on Intermittent Flow Regime Of Air-Water Two-Phase Flow Through Pipe"	Dr. Jyotirmay Banerjee
13	Parag Rajpara	"Parametric Investigation of an Upward Swirl CAN type gas turbine combustor."	Dr. Jyotirmay Banerjee & Dr. R.D.Shah
14	Gunjan Yadav	Study of Lean Six Sigma Implementation in Indian Manufacturing organizations	Dr. T. N. Desai
15	Suketu Y.Jani	Development of Lean Model for SMEs in Gujarat State	Dr. T. N. Desai
16	Ashish B.Patel	Development of Supply Chain Management Framework for Performance Improvement in Textile Industries of South Gujarat Region	Dr. T. N. Desai
17	Malek Javed	Development of Sustainable Manufacturing Practices Framework for MSMEs of Gujarat State	Dr. T. N. Desai
18	Kakade Amol Bhikaji	Investigation of tribological Parameters of Design and development of Three Roller Motorized System similar to Sugar Mill under various operating variables-A case study	Dr. D.V Bhatt & J. V Menghani
19	Hozefa Tinwala	Synthesis of lanthanum Cerium Oxide Nanoparticles and its Characterization	Dr. D.V Shah & J. V Menghani
20	Shilpesh R. Rajpurohit	Investigation on FDM Process.	Dr. H.K. Dave
21	Himanshubhai V. Patel	Fabrication of Hybrid composite using Vacuum Assisted Resin Transfer Molding Process.	Dr. H.K Dave
22	Bhavin V Desai	Parametric investigations during single point incremental sheet metal forming of AA 1060 & AA 1200-H14 (Completed)	Dr. H. K. Raval
23	Vratraj K. Joshi	Some investigation on machining of closed contour profile on CNC milling machine (Ongoing)	Dr. H. K. Raval

<b>MECHANICAL ENGINEERING DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
24	Sandeep S. Sarnobat	Investigation of the performance of cutting tool edge geometry during CBN hard turning of AISI D2 steel with different hardness (Ongoing)	Dr. H. K. Raval
25	Pramod D. Chougule	Energy and cost conscious flexible process routing(Ongoing)	Dr. H. K. Raval (Co-Guide)
26	Rakesh S. Barot	Process monitoring using acoustic emission in electrical discharge machining (Ongoing)	Dr. H. K. Raval
27	Bhavesh J. Mewada	Investigations on Bandsaw machine operations(Ongoing)	Dr. H. K. Raval
28	Prashant Powar	Effect of MQL during hard turning of AISI 4340-A technology for manufacturing sustainability (Ongoing)	Dr. H. K. Raval
29	Ravi Bhatt	Experimental and Finite element studied of single roller backward flow forming process for AA6061(Ongoing)	Dr. H. K. Raval
30	Shalin Marathe	Investigation on sheet metal forming of FSTWB(Ongoing)	Dr. H. K. Raval
31	Mr. Rakesh Kumar Malviya	Study of Green Supply Chain Adoption for Indian Automobile Organizations	Ravi Kant
32	Mr. Manojkumar V. Dalvi	Study of selected Issues of Supplier Development for Indian Manufacturing Organizations	Ravi Kant

<b>COMPUTER ENGINEERING DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Parmar Keyur J.	Secure in Network Processing of Encrypted Data in WSN.	Prof. D.C.Jinwala
02	Bhaladhare Pawan R.	Investigation Anonymization Based Clustering Approaches for Privacy Preserving Data Mining using Bio-Inspired Optimization techniques.	Prof. D.C.Jinwala
03	Reema Patel	Symmetry Reduction Technique for Fully and Partially Symmetric Probabilistic Models.	Prof. D.R.Patel
04	Choksi Ami T.	Investigating Approaches for Efficient Resource Discovery in the Semantic Web.	Prof. D.C.Jinwala
05	Bhavesh Borisaniya	Design and Implementation of Virtual Machine Introspection based Security Framework for Cloud.	Prof. D.R.Patel
06	Patel Hasmukhbhai Babubhai	Modeling Analysis and Mitigation of Denial of Service Attacks.	Prof. D.C.Jinwala
07	Pawar Vaishali S.	Novel Graph based Filtering and Clustering Algorithms for Pattern Recognition.	Prof. M.A.Zaveri
08	Pandya Devang	Novel Framework for Semantic Analysis and Summarization of Illumination Variant Soccer Video	Prof. M.A.Zaveri
09	Borisagar Viral H.	Novel Algorithms for Disparity Estimation under Illumination Variant Images.	Prof. M.A.Zaveri
10	Mrs. K. N. Jariwala	A Robust Eye gaze Based Task Selection with Moderate Targets For Real Time Vision Interface Using Low Grade Video Camera.	Dr. U. D. Dalal

<b>ELECTRONICS ENGINEERING DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Mr. Abhilash Mandloi	Segmentation Based Channel Scheduling Algorithms for Improving Channel Utilization in OBS Networks	Dr. (Mrs).U. D. Dalal (Incharge)
02	Mr. Zuber Patel	Novel DWLC-FQ and BAFPQ Algorithms for Scheduling in WiMAX, enhancing Interclustering with LL-WRR and RED-AT	Dr. (Mrs).U. D. Dalal
03	Mrs. Rasika Dhavse	Performance Evaluation of Flash Gate Stacks Employing Ultra-thin Tunnel Oxide and Silicon Nano Crystals	Dr. A. D. Darji (Incharge) Dr. R. M. Patrikar

04	Mrs. Krupa Jariwala	A Robust Eye Gaze Based Task Selection with Moderate Targets for Real Time Vision Interface Using Low Grade Video Camera	Dr. (Mrs).U. D. Dalal
05	Jay Joshi	Development and Analysis of Selective Encryption Algorithm for Sensitive Video Application	Dr. (Mrs).U. D. Dalal
06	Bhale Vishakha	A 0.18 $\mu\text{m}$ CMOS 3-5 GHz IR-Ultra-Wide-band Transceiver Design	Dr. (Mrs).U. D. Dalal Dr. R. M. Patrikar
07	Surabhi Dwivedi	Design and Development of Metamaterial-Based Radome Structures for Space-Borne Communications	Dr. J. N. Sarvaiya (Incharge)

<b>ELECTRICAL ENGINEERING DEPARATMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Hirpara Ravish H.	Multi-dimensional System in stochastic contexts	Dr. S.N. Sharma
02	Nilesh Vasantlal Shah	Studies on grid-connected photovoltaic system operating under uniform and non-uniform isolation conditions	Dr. R. Chudamani

### 5.3 Proposed Plan for Research :

#### **MECHANICAL ENGINEERING DEPARTMENT**

The focus research areas in the department are as follows:

- Design Optimization
- Manufacturing Optimization
- Multicriteria decision making
- AI Application in Sheet Metal Forming
- Press Tool Design
- Manufacturing Processes (mainly NTM processes)
- Incremental Forming
- Automation in Manufacturing
- Flexible Manufacturing Systems
- Computer Aided Process Planning (CAPP)
- CAD/CAM/CIM
- Development of Two Stage GM Type Pulse Tube Cryocooler for 10 K Applications
- Numerical Modeling of GM Type Pulse Tube Cryocooler
- Investigations on orbital EDM process
- Design, Development & Investigation on Two stage GM type Pulse Tube Cryocooler for 10K Application.
- Optimization techniques
- Automation in Manufacturing
- Investigations on micro EDM process
- Investigation on Electro-chemical Machining
- Investigation on Incremental Forming Process
- Spark column behaviour analysis using acoustic for EDM
- Additive manufacturing
- Condition monitoring
- Toolpath generation for CNC machines
- Numerical Modelling of GM type Pulse Tube Cryocooler
- Development of Thermo acoustically Driven Thermoacoustic Refrigerator
- Alternate refrigerants, low temperature refrigeration
- Vortex tube refrigeration
- Metal Forming Process
- Finite Element Analysis in Manufacturing
- Two-phase flow and Heat transfer
- Phase change processes
- Computational Fluid Dynamics



- Turbomachines
- Combustion
- Knowledge Management
- Supply Chain Management
- Benchmarking Quantitative Methods for Managerial Decisions
- Manufacturing Philosophy Project Management
- Total Quality Management & Six Sigma Enterprise Resource Planning (ERP)
- Tribological behaviour of sugarcane roller system
- Tribological behaviour of High speed micro milling operation
- Slurry erosion wear behaviour of ductile materials
- Tribological behaviour under conformal and non conformal lubricated contact condition.

**Scholars pursuing PhD, currently and their details:**

Sr. No.	Name of Candidate	Category	Supervisor	Status
1	Vyas Mayank I.	PEC	Dr. S. A. Channiwala	Ongoing
2	Doshi Asish V.	PIS	Dr. S. A. Channiwala Dr. Punit Singh	Ongoing
3	MahtoAnilkumarFekan	PIS	Dr. H. J. Nagarsheth	Ongoing
4	Salunke Nilesh P	PEC	Dr. S. A. Channiwala	Ongoing
5	V K Joshi	PEC	Dr. H. K. Raval Dr. K. P. Desai	Ongoing
6	Shah Divyang R	PEC	Dr. H. J. Nagarsheth	Ongoing
7	Rathod Kantibhai B	PEC	Dr. D. I. Lalwani	Ongoing
8	Sandeep S Sarnobat	PEC	Dr. H. K. Raval	Ongoing
9	Rajesh Thankam S.	PEC	Dr. R. V. Rao	Ongoing
10	Gujarati Paresh B.	FIR	Dr. H. B. Naik Dr. K. P. Desai Dr. M. D. Atrey,	Ongoing
11	Jitendra B. Chaudhari	PEC	Dr. S. A. Channiwala	Ongoing
12	Desai Bhavinbhai V	FIR	Dr. H. K. Raval Dr. K. P. Desai	Ongoing
13	Shah BhumiAnkit	PEC	Dr. D. P. Vakharia	Ongoing
14	ZinjalaHiteshkumar K	PIS	Dr. J. Banerjee	Ongoing
15	Soni Sandeep N	PIS	Dr. D. P. Vakharia	Ongoing
16	GosaiDipakkumar C	PEC	Dr. H. J. Nagarsheth	Ongoing
17	KambleAvinash G	PEC	Dr. R. V. Rao	Ongoing
18	Kulkarni Swanand G	PEC	Dr. J. V. Menghani Dr. Achchelal	Ongoing
19	Shah Samip P	PEC	Dr. S. A. Channiwala	Ongoing
20	ChaudhariGaurang C	PEC	Dr. S. A. Channiwala	Ongoing
21	ChougulePramod D	PEC	Dr. S. Kumar Dr. H. K. Raval	Ongoing
22	Mistry Rajivkumar A	PEC	Dr. A. A. Shaikh	Ongoing
23	MogalShyam P	PEC	Dr. D. I. Lalwani	Ongoing
24	KakadeAmolBhikaji	PEC	Dr. D. V. Bhatt Dr. J. V. Menghani	Ongoing
25	Patel JigneshKantilal	FIR	Dr. A. A. Shaikh	Ongoing
26	Anil Kumar Gillawat	PEC	Dr. H. J. Nagarsheth	Ongoing
27	Pandya Shailesh N	PIS	Dr. J. V. Menghani	Ongoing
28	GadadeAppaso M	PEC	Dr. Achchelal	Ongoing

Sr. No.	Name of Candidate	Category	Supervisor	Status
29	Palekar Shailesh P	PEC	Dr. Achchelal	Ongoing
30	Rathod Vikram P	PIS	Dr. P. V. Bhale	Ongoing
31	AjudiyaRajnikant J	PEC	Dr. A. A. Shaikh	Ongoing
32	Mewada Bhavesh G	PEC	Dr. H. K. Raval	Ongoing
33	Vishal John Mathai	FIR	Dr. H. K. Dave, Dr. K. P. Desai	Ongoing
34	Sudhanshu Kumar	FIR	Dr. K. P. Desai, Dr. H. K. Dave	Ongoing
35	KagziShakil A	PPF	Dr. H. K. Raval	Ongoing
36	Patel Divyang D	PEC	Dr. D. I. Lalwani	Ongoing
37	Mohammad Afzal Bhat	FIR	Dr. A. A. Shaikh	Ongoing
38	Jignesh P. Thaker	FIR	Dr. J. Banerjee	Ongoing
39	Prashant P. Power	PEC	Dr. H. K. Raval	Ongoing
40	Dalvi Manoj V	PEC	Dr. Ravi Kant	Ongoing
41	RakeshkumarMalviya	FIR	Dr. Ravi Kant	Ongoing
42	BhojawalaVipul M	PEC	Dr. D. P. Vakharia	Ongoing
43	Supriya R. Ingole	PEC	Dr. Dinesh Singh	Ongoing
44	More Kiran C.	PEC	Dr. R. V. Rao	Ongoing
45	GamitJigar C.	PEC	Dr. S. A. Channiwala	Ongoing
46	Shah Hitesh G	PEC	Dr. Ravi Kant	Ongoing
47	Tejendra B. Patel	PEC	Dr. A. D. Parekh, Dr. P. R. Tailor	Ongoing
48	Rishi Pareek	FIR	Dr. H. J. Nagarsheth	Ongoing
49	ChakradharBandapalli	FIR	Dr. B. M. Sutaria, Dr. D. V. Bhatt	Ongoing
50	Desai Abhinav	FIR	Dr. H. B. Naik	Ongoing
51	ShswatSaincher	FIR	Dr. J. Banerjee	Ongoing
52	Vinay Kumar	FIR	Dr. D. P. Vakharia	Ongoing
53	Shukla Rajkamal	FIR	Dr. Dinesh Singh	Ongoing
54	DhanwadeAjitDinkar	FIR	Dr. S. Kumar	Ongoing
55	Bhosale V. A.	FIR	Dr. Ravi Kant	Ongoing
56	Bhatt Ravi J.	FIR	Dr. H. K. Raval	Ongoing
57	Jamadar Imran M.	PEC	Dr. D. P. Vakharia	Ongoing
58	RaiKalalDhiraj Praveen	FIR	Dr. R. V. Rao	Ongoing
59	Khatri KhubilalDharamnarayan	FIR	Dr. Achchelal	Ongoing
60	Thakare Hitesh Ravindra	PEC	Dr. A. D. Parekh	Ongoing
61	Solanki MitulkumarThakorbbhai	FIR	Dr. D. P. Vakharia	Ongoing
62	Yadav Gunjan Satish	FIR	Dr. T. N. Desai	Ongoing
63	MaisuriaMahendrakumarBhagvandas	PIS	Dr. M. K. Bhatt	Ongoing
64	BakareAtulKamalakar	PEC	Dr. A. A. Shaikh	Ongoing
65	Trivedi Hetal K	PEC	Dr. D. V. Bhatt	Ongoing
66	Satish Rajdhar More	FIR	Dr. D. V. Bhatt Dr. J. V. Menghani	Ongoing
67	RanaParthivBharatkumar	FIR	Dr. D. I. Lalwani	Ongoing
68	Rahul Kisan Jagtap	FIR	Dr. S. Kumar	Ongoing
69	Dave Hiren R.	FIR	Dr. B. M. Sutaria	Ongoing

Sr. No.	Name of Candidate	Category	Supervisor	Status
70	Shah MaitrikKaushikbhai	PEC	Dr. (Mrs.) Beena Baloni Dr. S. A. Channiwala	Ongoing
71	Nair VipinVijayan	FIR	Dr. P. R. Tailor Dr. A. D. Parekh	Ongoing
72	Patel NikunjKumarGaneshbhai	PIS	Dr. Bade Mukund	Ongoing
73	Shah ParthDilipkumar	FIR	Dr. S. A. Channiwala	Ongoing
74	Chetan Ashok Somani	PEC	Dr. D. I. Lalwani	Ongoing
75	Deshpande ShraddhaPravin	PEC	Dr. R. V. Rao	Ongoing
76	Raval ShrutiJaysukhlal	PEC	Dr. Ravi Kant	Ongoing
77	Pathak Sunil B	PEC	Dr. S. A. Channiwala	Ongoing
78	KananiJayendraBabubhai	PEC	Dr. D. I. Lalwani	Ongoing
79	DeshmukhDhirajDevrao	PEC	Dr. V. D. Kalyankar	Ongoing
80	Magar Ashok Baban	PEC	Dr. D. P. Vakharia	Ongoing
81	RajparaParagKiritbhai	FIR	Dr. R. D. Shah Dr. J. Banerjee	Ongoing
82	WaghSantoshkumarVasantrao	PEC	Dr. D. V. Bhatt Dr. J. V. Menghani	Ongoing
83	Patel Vipul R.	FSC	Dr. R. D. Shah	Ongoing
84	S. Vaishak	FIR	Dr. P. V. Bhale	Ongoing
85	Patel Vipul M.	FIR	Dr. H. B. Mehta	Ongoing
86	SarojAnkit	FIR	Dr. R. V. Rao	Ongoing
87	JadavAniket B.	PEC	Dr. S. Kumar	Ongoing
88	SisodiaVikas S.	FIR	Dr. S. Kumar	Ongoing
89	Vaidya Hemish A.	PEC	Dr. S. A. Channiwala	Ongoing
90	RajpurohitShilpesh	FIR	Dr. H. K. Dave	Ongoing
91	Jain Khushbu	PEC	Dr. Achchelal	Ongoing
92	Joshi Varun V.	FIR	Dr. M. K. Rathod	Ongoing
93	Patel Nirav M.	FIR	Dr. H. B. Mehta	Ongoing
94	VarsiArif M.	PEC	Dr. A. A. Shaikh	Ongoing
95	Ansari Zulfiqar N.	PEC	Dr. Ravi Kant	Ongoing
96	Ashish B. Patel	PEC	Dr. T. N. Desai	Ongoing
97	Manish Sharma	FIR	Dr. (Mrs.) Beena Baloni	Ongoing
98	Vaghela Manoj	PEC	Dr. Achchelal	Ongoing
99	ChitturiSaikrishna S.	FIR	Dr. A. A. Shaikh	Ongoing
100	Patel Sanjay H.	FIR	Dr. Bade Mukund	Ongoing
101	VermaNeeraj R.	FIR	Dr. (Mrs.) Beena Baloni	Ongoing
102	Patel Himanshu	FIR	Dr. H. K. Dave	Ongoing
103	Panchal Ketan D.	PEC	Dr. A. A. Shaikh	Ongoing
104	Hameer Singh Kesari	PEC	Dr. R. V. Rao	Ongoing
105	MaratheShalin P.	FIR	Dr. H. K. Raval	Ongoing
106	Dave Priyank P.	PEC	Dr. S. A. Channiwala	Ongoing
107	Pathak Umangi	PEC	Dr. Ravi Kant	Ongoing
108	MalekJaved	FIR	Dr. T. N. Desai	Ongoing
109	Puneet Kumar Nandkaran	FIR	Dr. Ravi Kant	Ongoing

Sr. No.	Name of Candidate	Category	Supervisor	Status
110	Kumar Rahul Vijay Verma	FIR	Dr. Achchelal	Ongoing
111	ChhotaniParesh	FIR	Dr. D. P. Vakharia	Ongoing
112	KanuNandJee	PEC	Dr. Achchelal	Ongoing
113	Rathod Nishith R.	PEC	Dr. J. V. Menghani	Ongoing
114	Aher Nitin	PEC	Dr. Bade Mukund	Ongoing
115	Saini Sunny	FIR	Dr. J. Banerjee	Ongoing
116	Arote Ashish	FIR	Dr. Bade Mukund	Ongoing
117	BhamareDnyandip	FIR	Dr. M. K. Rathod Dr. J. Banerjee	Ongoing
118	Patel Jigar L.	FIR	Dr. D. I. Lalwani	Ongoing
119	ParmarPranay S.	FIR	Dr. T. N. Desai	Ongoing
120	DamaniaSanat	PEC	Dr. D. P. Vakharia	Ongoing
121	TandelKeyur	PEC	Dr. J. V. Menghani	Ongoing
122	PrajapatiHimanshu	FIR	Dr. Ravi Kant	Ongoing
123	Agarwal Sachin	PEC	Dr. Ravi Kant	Ongoing
124	Sagar Kalpak	FIR	Dr. H. B. Mehta	Ongoing
125	Naik Hardik	FIR	Dr. V. D. Kalyankar	Ongoing
126	Modi Ashish	PEC	Dr. M. K. Rathod	Ongoing
127	Wanare Sachin	FIR	Dr. V. D. Kalyankar	Ongoing
128	SaidaneUday	PEC	Dr. Sandeep Soni	Ongoing
129	MakwanaMohit D.	FIR	Dr. B. M. Sutaria	Ongoing
130	Shah Mayank	FIR	Dr. R. D. Shah	Ongoing
131	Painter Rahul	FIR	Dr. A. V. Doshi Dr. Bade Mukund	Ongoing
132	KushareDnyaneshwar	PEC	Dr. Sandeep Soni	Ongoing
133	Shete Pankaj	PEC	Dr. Ravi Kant	Ongoing
134	Gaji Rahul	PEC	Dr. A. V. Doshi Dr. Bade Mukund	Ongoing

#### Scholars pursuing M.Tech. dissertation and their details:

Sr. No.	Roll No.	Name	Dissertation Topic	Guide
1	P15ME001	MAVANI HIREN HIMMATBHAI	Quality Management Practices in SMEs of Textile Industries of Surat	Dr. T. N. Desai
2	P15ME002	PUNEET PAL SINGH	Theoretical and Experimental Simulation Based Micro Power Generator	Dr. D. V. Bhatt
3	P15ME003	SHINDE SACHIN BALASAHEB	Experimental and Numerical Investigation of Heat pipe (Thermosyphon)	Dr. M. K. Rathod
4	P15ME004	KETAN RAMCHANDRA GAWADE	Maintenance Management Practices in Manufacturing Sector of South Gujarat Region	Dr. T. N. Desai
5	P15ME005	PATIL MANOJ SHANTINATH	Study of Formability of Tailor Welded Blank by Finite Element Simulation	Dr. H. K. Raval
6	P15ME006	SENJALIYA NIKUNJ PRAVINBHAI	Optimal Design Of TFHE Using Advanced Optimization Algorithms	Dr. M. K. Rathod
7	P15ME007	PATIL SATYAJIT SARJERAO	Optimization of Tribo- Parameters for Minimize Friction and Wear Caused by Magneto Rheological Fluid in Reciprocating Motion	Dr. B. M. Sutaria
8	P15ME008	BHAGAT ASHUTOSH RAJKUMAR	Design optimization of Heat Exchanger	Dr. D. I. Lalwani
9	P15ME009	NIPUN GUPTA	Design and Analysis of Disc Brake	Dr. D. P. Vakharia
10	P15ME010	MAYUR GULABRAO PATIL	Tribological Parameters of Cam Follower Pair with Using Concentration of Anti-wear	Dr. B. M. Sutaria

Sr. No.	Roll No.	Name	Dissertation Topic	Guide
			additives in Lubricant	
11	P15ME011	MALI PRASHANT RAGHUNATH	Design and Analysis of Crane Hook with Different Cross Sections	Dr. D. P. Vakharia
12	P15ME012	GANESH BALASAHEB BRAMHANE	Design and Development of Mechanism for Ergonomic Crisper for Top Mount Refrigerator	Dr. B. M. Sutaria
13	P15ME013	SHYO RAM YADAV	Investigations on Ultrasonic Welding of Non Ferrous Materials	Dr. H. K. Dave
14	P15ME015	NIRDOSHI NISARG JAYANTI	Effect of Tooth Modification on Transmission of Gears	Dr. D. P. Vakharia
15	P15ME016	PANKAJ GADWAL	Investigation of Exhaust Gas Recirculation and Fuel Injection strategies on single cylinder diesel engine performance	Dr. B. M. Sutaria
16	P15ME017	POL SHAILESH SHAHAJI	Finite element analysis for optimizing the punch and die clearance in the blanking process	Dr. K. P. Desai
17	P15ME018	ONKAR SAMBHAJI PAROOWAD	Analysis Heat release rate and reduction of emissions in diesel engine	Dr. B. M. Sutaria
18	P15MF001	RUPAK AGARWAL	Sustainable supply chain performance measurement through DEA approach	Dr. Ravi Kant
19	P15MF003	SHEKHAR SAXENA	Experimental Investigation on the Influence of Process Parameter on Surface Roughness in Single Point Incremental Forming (SPIF) of Aluminium Alloy 1050	Dr. S. Kumar
20	P15MF004	SHUBHAM DIKSHIT	Modeling the Barriers of Food Supply Chain for Food Safety Implementation	Dr. Ravi Kant
21	P15MF005	AJIT KUMAR PANDEY	Modelling carbon foot print a cross food supply chain	Dr. Ravi Kant
22	P15MF006	PATEL MITENKUMAR VINODBHAI	Investigation on the influence of process parameters of Abrasive water jet machining of Aramid Fiber reinforced polymer composite	Dr. S. Kumar
23	P15MF007	FULARI NIKHIL SHRIKANT	Experimental investigation on friction stir processing of aluminum alloy 6061	Dr. J. V. Menghani Mr. S. N. Pandya
24	P15MF008	SAHIL KUMAR GUPTA	Investigation on influence of process parameter of Abrasive water jet machining on Surface Roughness and Kerf Taper of Hardened AISI 440C Stainless Steel	Dr. S. Kumar
25	P15MF009	NITIN CHOUHAN	Effect of Weld Parameters on joint Strength of 904L Grade Steel using Resistance Spot Welding	Dr. V. D. Kalyankar
26	P15MF010	DHARMANSHU SINGH SODHA	Experimental Investigation on Formability and Surface Roughness in Single Point Incremental Forming with Dummy Sheet	Dr. S. Kumar
27	P15MF011	GIRME HRUSHIKESH RAJENDRA	Investigation on Influence of Process Parameter on Kerf Taper and Surface Roughness in Abrasive Water Jet Machining of INCONEL X-750	Dr. S. Kumar
28	P15MF012	NAIK MAHESH ANIL	Investigation on Flow Forming using Finite Element Simulation	Dr. H. K. Dave
29	P15MF013	BOTCHA APPALANAIDU	Modelling a Mechanism for Nozzle Oscillation Technique on AWJ Machining Process	Dr. A. A. Shaikh
30	P15MF014	JITENDRA KUMAR	Parameter optimization of selected casting process using heat transfer search (HTS) algorithm	Dr. Dinesh Singh
31	P15MF015	AKSHAY RAMESH GOVANDE	Investigation on High Temperature Oxidation and Erosion Behavior of Coating	Dr. J. V. Menghani
32	P15MF016	KOSAMBIA CHAYAN DIPAKKUMAR	Effect of cryogenic process on different material properties	Dr. K. P. Desai
33	P15MF017	ANKIT BARUA	A Grey-Based DEMATEL model for Evaluating supplier development Criteria	Dr. Ravi Kant
34	P15MF018	GAMIT HARDIKKUMAR GULSINGBHAI	An experimental investigation on friction stir weld bonding of polymethyl Methacrylate (PMMA)	Mr. S. N. Pandya
35	P15MF019	SURAJ SHAH	Ranking the solution of information sharing in supply chain to overcome barriers	Dr. Ravi Kant
36	P15MF020	GOLAKIYA VINOD DEVRAJBHAI	Investigation of single point incremental forming process formability through finite element simulation	Dr. H. K. Raval

Sr. No.	Roll No.	Name	Dissertation Topic	Guide
37	P15MF021	JADAV GANESHKUMAR CHHOTALAL	Investigation on Infulence of Process Parameters on Depth in Pulsed Fiber Laser Marking Machine of Hylam Material	Dr. K. P. Desai
38	P15CC001	VAIBHAV GUPTA	Experimental Investigation on Impact of Bottom Propeller Height Variation on Slurry Erosion Wear of SS-316 Specimens in a Slurry Pot Test Rig	Dr. D. V. Bhatt
39	P15CC002	RAJODIYA RASHMIN JAYANTIBHAI	Study of Human Tibia Bone: Rapid Prototyping and Finite Element Analysis	Dr. D. P. Vakharia
40	P15CC003	DESHMUKH SNEHAL RAJESHRAO	Reverse Engineering of Aerospace Sheet Metal Part	Dr. A. A. Shaikh
41	P15CC004	PATIL CHETAN YASHWANT	Design and Development of Knee Type Earthing Switch and its Application in HVDC Products	Dr. D. I. Lalwani
42	P15CC005	TALHA AHMED MOHAMMED SAEED	Optimization of Standard Stock Removal Cycles of CNC Turning Centers Using Different Optimization Techniques	Dr. D. I. Lalwani
43	P15CC006	ANIL KUMAR	Experimental Investigaiton on Slurry Erosion Wear Behaviours of Brass Samples under Incremental Variable Depth on A Bottom Propeller Type Slurry Pot Test Rig	Dr. D. V. Bhatt
44	P15CC007	CHAUDHARI CHETAN TUKARAM	Design & Development of an Experimental Setup for Vibration Analysis of Multi-Degree of Freedom Spring Mass System	Dr. D. P. Vakharia
45	P15CC008	KILLI SAI DHRUTI	Study of Non-axisymmetric Stretch Flanging using Abaqus	Dr. H. K. Raval
46	P15CC009	MODI AKASH DHIRAJKUMAR	Development of algorithm for adaptive slicing for LOM(RP) method	Dr. A. A. Shaikh
47	P15CC010	PATIL RAHUL GOPAL	Service life prediction of pressure vessel subject to opeational damage (Creep)	Dr. H. J. Nagarsheth Dr. A. A. Shaikh
48	P15CC011	NAVEEN KUMAR	Impact of Two Axis Three Step Tracking PV Arrays at Different orientation for New Delhi, Mumbai, Kolkata, Chennai and Surat	Dr. D. V. Bhatt
49	P15CC012	VISHAL HASMUKHBHAI PRAJAPATI	Analysis of parametric effects on metallic glass material using abrasive water jet machining	Dr. A. A. Shaikh
50	P15CC013	NEETIGYA RAWAL	Customization of CAD Software using Programming Techniques	Dr. H. J. Nagarsheth
51	P15CC014	DEEPESH BAJARIYA	Finite Element Modeling and Simulation of Orthogonal and Oblique Machining Using ABAQUS / Explicit	Dr. D. I. Lalwani
52	P15CC015	AKSHAY EKNATH BHOIR	Measurement of Frequency Dependent Dynamic Properties of Viscoelastic Materials	Dr. D. I. Lalwani
53	P15CC016	GAURAV KUMAR	Experimental Investigation Study on Slurry Erosion Wear Behaviours on SS - 304 on A Slurry pot Test Rig Under Different Oprating Parameters	Dr. D. V. Bhatt
54	P15CC017	NILESH ASHOK WAGH		Dr. H. J. Nagarsheth
55	P15CC018	CHAUDHARI DEEPAKKUMAR DALPATBHAI	Development of Digital Model of Weaving Machine	Dr. A. A. Shaikh
56	P15CC019	KORRA NAGU	Parameter Optimization of welding process using Krill Herd Algorithm	Dr. Dinesh Singh
57	P15TM001	GANDHAM YEDUKONDAI U.	Estimation of Intermittent Flow Characteristics Using Image Processing Technique	Dr. J. Banerjee
58	P15TM002	SHARMA GIRISH PRAVIN	Numerical Simulation of Droplet Spreading Using Dynamic Contact Angle Model	Dr. J. Banerjee
59	P15TM003	JEETENDRA KUMAR	Theoretical and Numerical Studies on Mixed Flow Compressor	Dr. S. A. Channiwala
60	P15TM004	GARAD SURAJ KANCHAK	Nimeric Investigation on Hydrodynamic Efficiency of Tapered oscillating water column (OWC) type wave energy converter (WEC)	Dr. J. Banerjee
61	P15TM005	RAJODIYA PARESH RAGHAVBHAI	Numerical Investigation of Squealer Tip Treatments on Aerodynamic Losses in Downstream of Turbine Rotor Blade	Dr. R. D. Shah
62	P15TM006	NEERAJ SINGH	Study of Influence of Axial Thrust in Pump and Same in Pump as Turbine (PAT)	Mr. A. V. Doshi Dr. Bade Mukund
63	P15TM007	DAVE SAGAR	Direct Numerical Simulation (DNS) of large	Dr. J. Banerjee

Sr. No.	Roll No.	Name	Dissertation Topic	Guide
		NARENDRAKUMAR	scale structure in mixing layer of free circular jet	
64	P15TM008	TARANNUM SALLAUDDIN MUJAWAR	Aerodynamic design and analysis of I D Transonic Axial Flow Compressor	Dr. S. A. Channiwala
65	P15TM010	SHASHANK CHOUDHARY	Estimation of Intermittent Flow Characteristics Using Image Processing Technique	Mr. V. K. Patel Dr. Pnakaj P. Gohil
66	P15TM011	PAWAR VIPULKUMA SURESH	Parametric study of disk friction losses in centrifugal pump	Mr. A. V. Doshi Dr. Bade Mukund
67	P15TM012	SHINDE NIKHIL POPATRAO	Studies on HLG fuselage	Dr. S. A. Channiwala
68	P15TM013	SUNNY SAINI	Measurement of Flow characteristics of Stratified flow using laser Doppler Velocimetry and Flow Visualization	Dr. J. Banerjee
69	P15TM014	VANNA RAJENDRA	CFD Analysis of Multi Air Impingement Cooling on Flat Plate	Dr. R. D. Shah
70	P15TM015	PATEL KUSHAL YOGESHCHANDRA	Numerical and Experimental Investigation for Savonius Hydrokinetic Turbine	Mr. V. K. Patel
71	P15TM016	CHETAN DNYANESHWAR HUMANE	Numerical analysis of inverse diffusion flame	Dr. R. D. Shah
72	P15TM017	MATE ANKIT SHRIRAM	Study of Influence of Geometric Parameters of the Impeller on Cavitation Phenomenon in Centrifugal Pumps	Mr. A. V. Doshi Dr. Bade Mukund
73	P15TM019	PATEL JIGAR ARJUNBHAI	Experimental and Numerical Analysis of Axial Flow Wind Turbine	Mr. V. K. Patel
74	P15TD001	PARIKH JAYMINBHAI JATINBHAI	Investigations on Gifford McMahon Type Pulse Tube Cryocooler	Dr. H. B. Naik
75	P15TD002	PATEL DIVYANG BHARATBHAI	Mathematical Modelling and Analysis of Thermal Characteristics of Flat Micro Heat Pipe	Dr. M. K. Rathod Mr. V. K. Singh, ISRO, A'bad
76	P15TD003	SHRIVASTAVA SAURABH ARUN	Influence of contact angle hysteresis on pressure drop and heat transfer in Taylor plug flow through minichannel	Dr. H. B. Mehta
77	P15TD004	SAVALIYA NIRAV ARVINDBHAI	Generalized Equation for Prediction of Solar Radiation Worldwide with CFD Analysis & Experimental Studies on Cylindrical Parabolic Solar Trough Collector	Mr. V. P. Rathod
78	P15TD005	PIYUSH JOSHI	Heat Transfer Enhancement Using Various R718 Based Nanorefrigerants in Air Handling Unit	Dr. A. D. Parekh
79	P15TD006	SHAH ROHAN HIMANSHU	Design, Development, Fabrication and Testing of Water Hyacinth Based Biomass Conversion System for Bio-Fuel and Biomaterial Production and Utilization	Dr. S. A. Channiwala Dr. P. V. bhale
80	P15TD008	SAGAR CHAUDHARI	Numerical investigation on Phase change process of macro-encapsulated phase change material	Dr. M. K. Rathod
81	P15TD009	MACHHI DIGNESHBHAI KANTIBHAI	Numerical investigation on cooling performance of a Microchannel/ Slot Jet Impingement Module	Dr. H. B. Mehta
82	P15TD010	TELLI SRINIVASA RAO	Investigation on Closed Loop Pulsating heat Pipe Using CuO-Water nanofluid	Dr. H. B. Mehta
83	P15TD011	BODDEPALLI UMAMAHESH	Design, Development and Experimental Investigation on Water Based Solar Photovoltaic Thermal (PV/T) Systems	Dr. P. V. Bhale
84	P15TD012	ANUPAM KANOJIA	Numerical Simulation of Condensation Heat Transfer in Mini Channels	Dr. A. D. Parekh
85	P15TD013	KAVAD HITESHKUMAR R	Automobile Radiator based nanofluid	Mr. M. B. Maisuria
86	P15TD014	PARMAR MITUL THAKORBHAI	Energy and Exergy Analysis of Cogeneration Power Plant in Sugar Factory	Mr. M. B. Maisuria
87	P15TD015	RATHOD TUSHARKUMAR D.	Characterization of A 300 Hz Thermo Acoustically Driven Pulse Tube Cooler	Dr. H. B. Naik
88	P15TD016	SONAWANE SATISH PRAKASH	Experimental Investigation of Effect of Inclination on Natural Convection in Concentric Cylindrical Enclosure	Dr. M. K. Rathod
89	P15TD017	VEDANG DILIPBHAI CHAUDHARI	Multi Objective Optimization of a Liquid Cooled MCHS using Heat Transfer Search Algorithm	Dr. H. B. Mehta
90	P15TD018	BHUKYA VEERANNA		Mr. V. P. Rathod
91	P14TD022	HIREN M. RATNANI (JRF)	Analysis of two stage pulse tube refrigerator	Dr. H. B. Naik

### **CIVIL ENGINEERING DEPARTMENT**

The focus research areas in the department are as follows :

- Noise pollution, modeling and health impacts
- Air pollution modeling
- Solid waste, landfill site, treatment options and health impacts
- Low cost water treatment technologies
- Advanced waste water treatment techniques
- Hydrologic Modeling and Hydrodynamic Modeling,
- Fluvial Hydraulics
- Reservoir Operation Modeling
- Morphological study of river basin
- Environmental Hydraulics
- Impact of Climate Change on Water Resources
- Traffic engineering
- Traffic planning
- Pedestrian flow modeling
- Travel behavior characteristics
- Highway engineering and design
- Road design and materials
- Urban design and planning
- Heritage conservation and planning
- Geo-spatial applications in urban planning
- Urban sprawl modeling
- Housing location choice behavior
- Urban transportation planning
- Infrastructure management and planning
- Urban governance
- Slum rehabilitation

### **ELECTRONICS ENGINEERING DEPARTMENT**

The focus research areas in the department are as follows:

- MIMO Signal Processing, Security issues in Networking, Images Fusion, Face Recognitions, Image Compression, IRNSS Receiver, SIMULATION, Fabrication & Characterization of Nano-scale MOS devices, Quantum Dots, Digital and Analog VLSI Design, Embedded Systems, VLSI Chip and System Design, MEM, Wireless Broadband Networks, Wireless Communication Networks.
- Various research projects in Signal Processing, Image Processing, Communication, Sensor Design VLSI & Embedded System and Networking

**Scholarship pursuing Ph.D. currently and their details:**

Sr. No.	Roll No.	Name	Category
<b>Autumn Semester 2016-17</b>			
01	D16EC001	ShyalNehalben	FIR
02	D16EC002	Vishal Chudasama	FIR
03	D16EC003	Sruthi S.	FIR
04	D16EC004	LakhlaniAvni	PEC
05	D16EC005	Shah Raj	FIR
06	D16EC006	Pandey Maneesh Kumar	PEC
07	D16EC007	Gireesh Gaurav Soni	PEC
08	D16EC008	Chhaya P. Mehta	PEC



Spring Semester 2016-17			
01	DS16EC001	Solanki Mitesh S.	FSF
02	DS16EC002	Gandhi Divyangna N.	PEC
03	DS16EC003	Naveen Kumar Kabra	FIR
04	DS16EC004	Varun Srivastava	FIR

Research carried out by M.Tech students for following dissertation topics:

**(i) Communication System ( M.Tech, ECED 2016-17)**

Sr. No.	Name	Dissertation Title	Guide
01	Navraj Ashok Kaushal	Parametric Analysis of ODM-Index Modulation using MMSE and its extension to MIMO-MRC	Dr. (Mrs.) U. D. Dalal
02	Surya Gupta	An approach to Enhance the IRNSS Signal in the Presence of unintentional Interference	Dr. (Mrs.) S. N. Shah
03	Harshit Gupta	FPGA Implementation of Face Tracking	Mr. P. J. Engineer
04	Khambe Digvijay R.	Design and Implementation of Adaptive Filter for Noise Cancellation using FPGA	Dr. A. D. Darji
05	Mukul Kumar	Performance Comparison of Precoding Techniques in MU-MIMO System	Dr. (Mrs.) Shilpi Gupta
06	Parmar Prakash G.	Performance Evaluation of Frequency Scan and LTE-Advanced Carrier Aggregation Throughput	Dr. (Mrs.) U. D. Dalal
07	Preeti Soni	Robust DWT based Digital Image Watermarking using Compressive Sensing and Singular Value Decomposition	Dr. (Mrs.) J. N. Patel
08	Badisa Prasanth	Design and Analysis of Different Dispersion Compensation Techniques in Optical Fiber Communication System	Dr. P. N. Patel
09	Hind Gaurav	Waveform Analysis for Target Parameters Estimation for MIMO Radar	Dr. (Mrs.) Shilpi Gupta
10	Sreejith R.	TSE using Single Reference point to approximate Ionodelay for IRNSS Receiver	Dr. (Mrs.) S. N. Shah
11	Nitin Kumar	Design and Performance Analysis of WDM Passive Optical Networks	Dr. P. N. Patel
12	Virendra Pratap	Performance Analysis of Long Period Fiber Gratings for Sensing Applications	Dr. (Mrs.) Shilpi Gupta
13	Km. Rashmi Singh	Use of Reflective Semiconductor Optical Amplifiers as a Transmitter at upstream in bidirectional communication in WDM Passive Optical Networks	Dr. A. S. Mandloi
14	Parmar Ashaben B.	Optimal Power combination NOMA with LDPC & MIMO	Dr. (Mrs.) U. D. Dalal
15	Divyeshkumar Z. Patel	PMD and Chromatic Dispersion Compensation in Optical Communication using LPC Coded-OFDM	Dr. A. S. Mandloi
16	Vasava Divyaniben J.	Image Registration using Active Contour and Radon Transform	Dr. J. N. Sarvaiya
17	Ankita Srivastava	Study and implementation of Link Layer Topology, LE 2M and Long Range Bluetooth Features	Dr. (Mrs.) S. N. Shah

**(ii) VLSI & EMBEDDED SYSTEMS ( M.Tech, ECED 2016-17)**

Sr. No.	Name	Dissertation Title	Guide
01	Mansoor Sameer Rafikbhai	Optimized cell design for digital VLSI	Dr. Z. M. Patel
02	Chilukuri Narendra	Timing and Power Optimization for Robust Digital VLSI Design	Mr. M. C. Patel
03	Palakayala Ravikiran	Density Evolution of Low Density Parity Check Codes	Mr. M. C. Patel
04	Mali Rakesh Sakharan	FPGA Based Bio-Impedance Detector for Health Care Application	Dr. A. D. Darji
05	Shrikant Bhaskar Kumbhar	FPGA Based Impedance of Artifact Suppression and Feature Extraction	Dr. A. D. Darji
06	Rohit Kumar Singh	FPGA Implementation of Face Detection	Mr. P. J. Engineer
07	Abhishek Muni	Bio Signal Conditioning using Along VLSI	Dr. Z. M. Patel
08	Throvagunta Brahmaiah	Design of a High Speed Low Power Flash ADC by Employing Binary Search Algorithm in 14nm technology	Mr. P. K. Shah
09	Kolusu Siva Mounica	Power Optimization Techniques for High Speed	Mr. P. K. Shah

Sr. No.	Name	Dissertation Title	Guide
		Processor Core in SUB 14nm Technology Node	
10	Syam Sanal	Implementation of Multi Threaded Image Processing using Recon OS on Reconfigurable Computing System	Mr. P. J. Engineer
11	Naga Lingeswara Rao P	FPGA implementation of programmable DPLL for bio-impedance modulator.	Dr. R. N. Dhavse
12	Shraddha Rathore	Area Efficient Layout of a 4-bit Flash ADC Using SCL 180nm Technology Library	Dr. A. D. Darji
13	Mahesh	Design and Implementation of Programmable Digital Low Pass Filter for Biomedical Applications	Dr. R. N. Dhavse
14	Abhilash Satish Ramteke	HDL hardware implementation of LDPC codes	Dr. Z. M. Patel
15	Howal Prashant Sunil	Design and Implementation of Floating Point Vedic Multiplier in VHDL and its Applications	Dr. K. P. Upla Mr. M. C. Patel
16	Mahantesh B Walmiki	Design and Implementation of Turbo Codes using VHDL and Estimation of its Error Correction Capability	Mr. M. C. Patel
17	Patel Aarti M.	Semi-Custom Design of Functional Unit Block using Data Path Methodology in Data Cache Unit	Mr. P. K. Shah
18	Kansara Vismay Sureshbhai	Design and Implementation of Variable Rate Quasi Cyclic Low Density Parity Check Code	Mr. P. J. Engineer

### Research Proposal Accepted:

Date of Allotment	Name of Projects	Name of Project Coordinator	Grants Sanctioned	Duration	Status
DEIT, MCIT, Gol, New Delhi					
04/02/2015 to 03/02/2020	Special Manpower Development Program for Chips to System Design	Chief Investigator: Dr. A. D. Darji Chief Co-Investigator: Mr. P. J. Engineer Investigators: Dr. J. N. Sarvaiya Dr. Z. M. Patel Dr. Rasika Dhavse Mr. M. C. Patel	Approx. Rs. 75 lakhs (Total Program Outlay Rs. 99.72 Crore Distributed across 10 Resource Centers and 50 Participating Institutions)	5 years	Ongoing
DAE, BRNS, Gol, Mumbai					
27/10/2015	FPGA Based Adaptive Filter Algorithm Implementation for external noise cancellation	Dr. A. D. Darji Dr. J. N. Sarvaiya	Rs. 22,11,992	2 Years	On Going
Funding Agency (NavIC-GAGAN Utilization Programme at Space Applications Centre, Ahmedabad)					
23/01/2017	Announcement of Opportunity- Study, Design & Simulation of iono delay effects based on Ionospheric models & their correction techniques using software defined radio	Dr. (Mrs.) S. N. Shah,	Rs. 18,90,000	3 years 2016-2019	On Going
July 2015-2020	Design and Fabrication of Photonics Corrugated Device	Dr. P. N. Patel	5.0 lacs	5 Years	Ongoing

## COMPUTER ENGINEERING DEPARTMENT

Department is active in different research areas, namely, Big data, Information Security, Data Science, Internet of Things, and Wireless Sensor Network. In information Security, mainly, privacy preserving for social network and Internet of Things, Location based services are part of on-going research work. Clustering, routing and collaborative processing in IoT for post disaster management and surveillance are among the part of Meity sponsored research project. Cross layer optimization for quality of service in wireless sensor network is another domain where the department research scholars are working. In the area of data mining, various approaches for sentiment analysis for twitter, mining and classification for imbalance data, distributed approaches for mining social media data, graph based query and indexing are the specific topics where the number of research scholars are working activity. The department has planned for submitting various research projects to different agencies.

<b>COMPUTER ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Parmar Keyur J.	Secure in Network Processing of Encrypted Data in WSN.	Prof. D.C.Jinwala
02	Bhaladhare Pawan R.	Investigation Anonymization Based Clustering Approaches for Privacy Preserving Data Mining using Bio-Inspired Optimization techniques.	Prof. D.C.Jinwala
03	Reema Patel	Symmetry Reduction Technique for Fully and Partially Symmetric Probabilistic Models.	Prof. D.R.Patel
04	Choksi Ami T.	Investigating Approaches for Efficient Resource Discovery in the Semantic Web.	Prof. D.C.Jinwala
05	Bhavesesh Borisaniya	Design and Implementation of Virtual Machine Introspection based Security Framework for Cloud.	Prof. D.R.Patel
06	Patel Hasmukhbhai Babubhai	Modeling Analysis and Mitigation of Denial of Service Attacks.	Prof. D.C.Jinwala
07	Pawar Vaishali S.	Novel Graph based Filtering and Clustering Algorithms for Pattern Recognition.	Prof. M.A.Zaveri
08	Pandya Devang	Novel Framework for Semantic Analysis and Summarization of Illumination Variant Soccer Video	Prof. M.A.Zaveri
09	Borisagar Viral H.	Novel Algorithms for Disparity Estimation under Illumination Variant Images.	Prof. M.A.Zaveri
10	Mrs. K. N. Jariwala	A Robust Eye gaze Based Task Selection with Moderate Targets For Real Time Vision Interface Using Low Grade Video Camera.	Dr. U. D. Dalal
11	Surati Shivangi Keyur	Pursuing	Prof. D.C.Jinwala
12	Surati Nilam A.	Pursuing	Prof. D.C.Jinwala
13	Contractor Dipen P.	Pursuing	Prof. D.R.Patel
14	Gohil Bhavesesh N.	Pursuing	Prof. D.R.Patel
15	Gohil Rakesh P.	Pursuing	SBD/NJM
16	Mire Archana V.	Pursuing	SBD/NJM
17	Shah Kaushal Arvindbhai	Pursuing	Prof. D.C.Jinwala
18	Mehta Brijesh Balvantray	Pursuing	Prof. U.P. Rao
19	Ruchika Gupta	Pursuing	Prof. U.P. Rao
20	J. Sathish Kumar	Pursuing	Prof. M.A.Zaveri
21	Bhatia Ekta Ravikumar	Pursuing	Prof. D.R.Patel
22	Himanshu Bhikhubhai Patel	Pursuing	Prof. D.C.Jinwala
23	Domadiya Nikunj Kumar Harsukhbhai	Pursuing	Dr. U.P. Rao
24	Kulkarni Amol Shashikantrao	Pursuing	Prof. D.R.Patel/ Prof. D.C.Jinwala
25	Saurabh kumar pandey	Pursuing	Prof. M.A.Zaveri
26	Mehta Shivanshu	Pursuing	Prof. D.R.Patel/ Prof. D.C.Jinwala
27	Macwan Kamal Kumar	Pursuing	Dr. S. J. Patel
28	Shah Unnati	Pursuing	Dr. S. J. Patel/ Prof. D.C.Jinwala
29	Dhruti Sharma	Pursuing	Prof. D.C.Jinwala
30	Padhya Mukti bhavesesh	Pursuing	Prof. D.C.Jinwala
31	Kapuriya Yohesh M.	Pursuing	Prof. U.P. Rao
32	Kadhiwala Bintu B.	Pursuing	Dr. S. J. Patel
33	Mahajan Rutal S.	Pursuing	Dr. S. J. Patel
34	Shah Vishal M.	Pursuing	Dr. U.P. Rao
35	Patel Anshuman S.	Pursuing	Prof. D.C.Jinwala
36	Bharat Arun Tidke	Pursuing	Dr. R. G. Mehta
37	More Anjali S.	Pursuing	Prof. D.R.Patel
38	Patel Bhumika K.	Pursuing	Dr. S. J. Patel
39	Dhanani Jenish Jayantibhai	Pursuing	Dr. R. G. Mehta/ Dr. D. P. Rana
40	Alone Nilesh Vasanttrao	Pursuing	Prof. M.A.Zaveri

**Details of M.tech-II Year Completed (2016-17)**

1	P15CO001	Shah Nishita Jayeshkumar	<b>Clinical Data Analytics</b>
2	P15CO002	Rohan Mazumdar	Data Acquisition and Interfacing using Embedded Processor in Clustered IoT Environment.
3	P15CO003	Tanushree	<b>Testing Automation Tool Enhancement for BLE Qualification.</b>
4	P15CO004	G. Sravan Kumar	Improved Pearson Similarity for Collaborative Filtering Recommendation System using Mahout
5	P15CO005	D. Amrutha Lakshmi	<b>Optimizing and Enhancing the Test Automation Solution of Intel Mobile Platforms.</b>
6	P15CO006	Naik Shruti Chetanbhai	<b>Low Cost Big Data Analytic Solution for PMT.</b>
7	P15CO007	Vivek Paratap Chaurasia	Security Framework for IoT Devices.
8	P15CO008	Kosle Rohit Ashokrao	<b>Validation of High Level Behavioral Description of a Digital System.</b>
9	P15CO009	Nikhil Kumar	Privacy Preserving Big Data Publishing using K-Anonymity and L-Diversity.
10	P15CO010	Sweeshi Sasikumar	Energy Efficient Clustering Algorithm for an Emergency Response WSN
11	P15CO011	Thakor Viral Nirsinhbhai	<b>Improving Gnss Performance using Extended Ephemeris Predication.</b>
12	P15CO012	Ami Nareshkumar Golwala	<b>Automatic and Dynamic Verification of Intel Display Pipeline Power Saving Technology.</b>
13	P15CO013	Srusty Anand	Surveillance Image Processing using Embedded Processors in IoT Environment
14	P15CO014	Suraj Vitthal Gaikwad	<b>Simulation of Display-Port (DP) Multi-Stream Transport (MST) in Intel's Display Pipeline.</b>
15	P15CO015	Amin Deep Tarunchandra	<b>Introducing Continuous Integration for Agile Development.</b>
16	P15CO016	Didwal Laxman Shivaji	Big Data Security Framework for Secure Data Storage and Sharing
17	P15CO017	Gamit Hiteshwari Sureshbhai	Resource Allocation and Data Monitoring in Clustered Environment of Sensor Networks
18	P15CO018	Sachin Vasanjibhai Gamit	Balanced Resource Utilization in Cloud Computing

**APPLIED CHEMISTRY DEPARTMENT**

Applied Chemistry Department has grown into a major department for teaching and research in Chemical Sciences in SVNIT, Surat, India. The department is also running a Ph.D. program with around 23 Ph.D. students working under nine faculty members with areas of research encompassing all major sub-disciplines of chemistry (Organic, Inorganic, Physical, Analytical, Catalysis, Ion exchange, Medicinal chemistry, Waste water treatment, Nanochemistry, Supramolecular Computational chemistry, Ionic liquids, Corrosion, Polymers and Natural products). The departmental research is funded by major scientific funding agencies and supported by many departmental and institute facilities.

SR. NO	Admn. No.	Students Name	Admn. Year
1	DS11CY002	MORE UTKARSH UTTAMRAV	2011-12
2.	D10CY358	RATHOD MANOJKUMAR KANTILAL	2010-11
3.		YOGESHWAR SURYAVANSHI	
4.	D12CY001	MAKSANA JAYANTI SOMAJIBHAI	2012-2013
5.	D12CY004	VAID ZUBER SULEMAN	2012-2013
6.	D12CY005	JIGNESHKUMAR VASANTBHAI ROHIT	2012-13
7.	DS13CY001	SHIRKE AMITKUMAR GANESH	2013-2014
8.	DS13CY002	LAKHOTIA SONIA RAJENDRA PRASAD	2013-2014
9.	DS13CY003	KANOJE BHARATKUMAR BABANBHAI	2013-2014
10.	DS14CY001	LATHIYA DHARMESHKUMAR RANCHODBHAI	2014-2015
11.	DS14CY002	GABLA JENIFER JEHANBUX	2014-15
12.	DS14CY003	YACHANA UPADHYAY	2014-2015
13.	D14CY004	KURESHI AZAZAHEMAD ABDULKARIM	2014-2015
14.	D14CY001	NIMISHA SINGH	2014-2015
15.	D14CY002	BHAMORE JIGNA RAJESHKUMAR	2014-2015
16.	D14CY003	PATEL KHUSBHU AMRUTLAL	2014-2015
17.	D14CY005	ASHISHKUMAR JAYANTIBHAI RAYCHURYA	2014-2015
18.	DS14CY004	RAJPUT SARGAM MADANLAL	2014-2015
19.	D15CY001	LANKAPATI HENILKUMAR MADHUSUDAN	2015-2016
20.	DS15CY002	SHAH ANKIT BHARATBHAI	2015-2016
21.	D15CY002	DESAI MITTAL LALLUBHAI	2015-2016
22.	D15CY001	MORAWALA DHARA HASMUKHHBHAI	2015-2016

SR. NO	REG.NO	STUDENT NAME	Admission Year
1	I12CY003	SNEHA VIJAYAN	2012-2013
2.	I12CY013	BHARGAVA ISHA BRIJMOHAN	2012-2013
3.	I12CY015	GAURAV HAMBARDE	2012-2013
4.	I12CY016	UMME KULSUM MONDAL	2012-2013
5.	I12CY017	JYOTI YADAV	2012-2013
6.	I12CY018	RAVEENA MEENA	2012-2013
7.	I12CY019	MARU VIMAL NANJIBHAI	2012-2013
8.	I12CY020	BHAGAT BHAVIN DEVESHKUMAR	2012-2013
9.	I12CY027	GINCY GEORGE	2012-2013
10.	I12CY028	CHANIYARA KARAN RAJNIKANT	2012-2013
11.	I12CY032	MONIKA SINGH	2012-2013
12.	I12CY033	PATEL DHRUVI MAHENDRABHAI	2012-2013
13.	I12CY035	PATEL KRUNAL KUMAR B	2012-2013
14.	I12CY036	DESAI PUJA JATINBHAI	2012-2013
15.	I12CY037	PATEL RAVI ARVINDBHAI	2012-2013
16.	I12CY038	JHA BABLI KRISHANDEV	2012-2013
17.	I12CY039	NAYAK JYOTSNAMAYEE NARAYAN	2012-2013
18.	I12CY041	REVAWALA AKASH A.	2012-2013

## APPLIED PHYSICS DEPARTMENT

The focus research areas in the department are as follows:

- Upper Atmospheric Science
- Earthquake Prediction
- GPS Technology
- Nano Materials
- Condensed Matter Physics
- Strongly Correlated Electronic Materials
- Topological quantum nano Materials
- Biological Materials
- High Energy Physics
- Hadron Spectroscopy
- Crystal growth
- Thin Films
- Photovoltaic Materials
- Semiconductor Optoelectronic Devices
- Advanced Materials
- Computational Nanoscience
- 2D Materials
- Nanofluids
- Density Functional Theory
- Atomic Clusters
- Nanostructures Chemical & Materials Physics

## APPLIED MATHEMATICS & HUMANITIES DEPARTMENT

The focus research areas in the department are as follows:

- Fluid Flow through Porous Media, Special Functions, Integral Transform, 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.
- Management area (in Marketing (consumer behaviour, 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.
- Indian English Fiction, Post colonial fiction and Communication skills.

**Scholars Pursuing PhD Currently and Their Details:**

Sr. No.	Name Of Students	Cat	Topic	Guide	Status
1.	Singh Nisha Brijanand	PEC	Modelling Calcium and IP3 Dynamics in a Myocyte Cell (tentative topic)	Dr. Neeru Adlakha	Third Research Progress Seminar completed in December 2017
2.	Ms. Jagtap Yogita Dadasaheb	PEC	Modelling Calcium Dynamics in a Hepatocyte Cell (tentative topic)	Dr. Neeru Adlakha	Second Research Progress Seminar completed in December 2017
3.	Patel Yogeshwari F.	PEC	Mathematical Modeling	Dr. Jayesh Dhodiya	Thesis submission
4.	Patel Jignasha G.	PEC	Optimization	Dr. Jayesh Dhodiya	Pre - Synopsis Seminar Completed

Sr. No.	Name Of Students	Cat	Topic	Guide	Status
5.	Tailor Anita Ravi	FIR	Optimization	Dr. Jayesh Dhodiya	Thesis submission
6.	Rekh Riddhi K.	PEC	Optimization	Dr. Jayesh Dhodiya	3 <sup>rd</sup> RPS Completed
7.	Jaydeep Sosa	FIR	Optimization	Dr. Jayesh Dhodiya	1 <sup>st</sup> RPS Completed
8.	Vandana Kakran	FRS	Optimization	Dr. Jayesh Dhodiya	1 <sup>st</sup> Credit Seminar
9.	Esha Pandya	PEC	Internet marketing	Dr. H. P. Bulsara	1 <sup>st</sup> Credit Seminar
10.	Pratiksinh Vaghela	PEC	Internet marketing	Dr. H. P. Bulsara	1 <sup>st</sup> Credit Seminar
11.	Mr. Alok Kumar	PEC	Partnership(PPP) Model Projects With Traditional Projects In Highway Infrastructure Development In India	Dr. H. P. Bulsara	Thesis submission
12.	Mr. Kshitij Trivedi	FIR	Consumer Behavior towards purchase of Fruits & Vegetables with special reference to Organized and Unorganized retail formats in select cities of Gujarat: A Comparative Study	Dr. H. P. Bulsara	Thesis submission
13.	Ms. Roshni Singh	PEC	Political branding strategies in India: A comparative study of voters' opinion in select cities of Gujarat and Maharashtra	Dr. H. P. Bulsara	Synopsis
14.	Ms. Nidhi Koushal Yadav	PEC	Consumer Behavior towards Ayurvedic Medicine: A Comparative study in Select Districts of Gujarat	Dr. H. P. Bulsara	Synopsis
15.	Kunjan Shah	PEC	Approximate solutions of some non-linear partial differential equations of porous media by modify homotopy analysis method and homotopy perturbation new integral transform method.	Dr. Twinkle R. Singh	He has to submit synopsis.
16.	Bhumika Choksi	FIR	Approximate solution of PDE by sumudu transform homotopy perturbation method	Dr. Twinkle R. Singh	She has given three research progress seminar.
17.	Mihir Panchal	PEC	To be decided	Dr. Twinkle R. Singh	He has given one progress seminar.
18.	Ms. Krupa Sofiya Jeychandran	PEC	Concept of Place and Space in the Novels of M. G. Vassanji-	Dr. Urvashi Kaushal	RPS III
19.	Ms. Krupali Parekh	FSF	Fiction of the South Asian Women Diaspora writers	Dr. Urvashi Kaushal	2 <sup>ND</sup> Credit Seminar
20.	Dr. Subhanshu Goyal	PEC	Spectral clustering algorithms with efficient similarity matrix construction variants for noisy image segmentation	-Dr. Sushil Kumar, -Dr. M. A. Zaveri, -Dr. A. K. Shukla, - Prof. V. K. Katiyar	Thesis Submitted
21.	Mr. Vijay Saw	FIR	Solution of fractional differential equations using Chebyshev	Dr. Sushil Kumar	Continued
22.	Mr. Hitesh Bansu	FIR	Solution of bio-heat equation using Mesh-free method	Dr. Sushil Kumar	Continued
23.	Hardik S. Patel	FIR	Fluid Flow through Porous media	Dr. Ramakanta Meher	Pre Synopsis
24.	Trushit V. Patel	FIR	Heat and Mass Transfer in Porous Media	Dr. Ramakanta Meher	Pre Synopsis
25.	Vimal P. Gohil	PEC	Fluid Flow through Porous media	Dr. Ramakanta Meher	Continue
26.	Nirav D. Patel	PEC	Fluid Flow through Porous media	Dr. Ramakanta Meher	Continue
27.	Priyankaben Maheshbhai Patel	FIR	Exact Travelling Wave Solutions of Some Nonlinear Equations by Modified F-Expansion Method	Dr. V. H. Pradhan	Awarded Ph. D notification No. 275, dated 30/09/2016

Sr. No.	Name Of Students	Cat	Topic	Guide	Status
28.	Borana Ravindra Narayan	PEC	Numerical Solution of Single and Double Phase Flow in Porous Media	Dr. V. H. Pradhan & Dr. M. N. Mehta	Awarded Ph. D notification No. 284, dated 23/11/2016
29.	Desale Satish Vasantao	PEC	Numerical Solution of Boundary Layer Flow Equations Along a Flat Plate By Keller Box Method	Dr. V. H. Pradhan	Awarded Ph.D notification No. 305, dated 31/01/2017
30.	Patel Asmita Chandrakant	FIR	Application of Haar Wavelet Method to One Dimensional Contaminant Transport Equations	Dr. V. H. Pradhan	Awarded Ph.D notification No. 326, dated 29/05/2017
31.	Daga Amruta Rajendra	PEC	Application of Variational Homotopy Perturbation Method to Non-Linear Equations Arising in Stream Aquifer Interaction Problems	Dr. V. H. Pradhan	Thesis submitted
32.	Bhadane Prem Kiran Gopal	PEC	Approximate Analytical Solution by Laplace Transform Homotopy Perturbation Method of Some Non-Linear Equations arising in Fluid Flow through Porous Media	Dr. V. H. Pradhan	Thesis submitted

### Scholars Pursuing M.Sc. Dissertation and Their Details:

Sr. No.	Name Of Students	Title	Research Area	Guide
1.	Pragati Garg	Simulation of Landside Operation At A Container Terminal	Modelling and simulation	Dr Neeru Adlakha
2.	Ronak Gajera	A Study on Multi-Mode Multi- Objective Fuzzy PERT and CPM problem.	Optimization	Dr.Jayesh M. Dhodiya
3.	Nikunj Patel	A Study on an Analytical Solution of Differential equation by Transform	Optimization	Dr.Jayesh M. Dhodiya
4.	Vishva Sapariya (112MA042)	Study on Plant Invasion Model by Crank Nicolson Method	Mathematical modeling	Dr. Twinkle R. Singh
5.	Ms. Priyanka	Spectral method for fractional diffusion equation	Numerical methods	Dr. Sushil Kumar
6.	Bhaumic Gandhi	Kronecker operations and Numerical techniques for solving system of linear and non-linear equations	Numerical Methods	Dr. Sushil Kumar
7.	Nemita Satani	A Study on decomposition method for transverse magnetic field on Jaffery-Hammel flow problem	Fluid Dynamics	Dr.Ramakanta Meher
8.	Sandeep Shah	Solution of some Nonlinear equations arising in fluid flow through porous media	Fluid Dynamics	Dr.Ramakanta Meher
9.	Unnati Verma	A study of death based control charts with functional data	Applied Mathematics	Dr.V.H.Pradhan
10.	Hrishikesh S. Chavan	Simulation of some internal and external flows	Applied Mathematics	Dr.V.H.Pradhan

## CHEMICAL ENGINEERING DEPARTMENT

The focus research areas in the department are as follows:

- Wastewater Treatment, Separation Processes (membrane separations, adsorption, electrocoagulation, etc.), Nanoscience/Nanotechnology.
- Refining and Petrochemicals Processes
- Biomass Conversions
- CO<sub>2</sub> Capture
- H<sub>2</sub> Storage
- **Nano materials:** Synthesis by Mechanochemical, Ball milling, Sonochemical and Microemulsion technique and application of nanomaterials as catalyst and fuel additives.
- **Green Chemistry:** Ionic liquid as a membrane or solvent & catalyst for organic synthesis, Microwave assisted organic synthesis.



- **Separation Processes:** Emulsion liquid membrane & supported liquid membrane for separation of heavy metals, hydrocarbons and bio compounds etc.
- **Wastewater Treatment:** Advanced Oxidation Process like UV treatment, Ozonation, Sonication, Microwave assisted digestion etc.
- Nanoparticles characterization and its applications
- Separation (membrane)/Sorption/ bioseparation
- Environmental Engineering
- Waste water treatment
- Biomass conversion
- Polymer Nanocomposite membrane
- Degradation of organics by oxidation
- Interfacial Engineering
- Microfluidics
- Complex Fluids
- Fuel Cells
- Polymer Composite
- Microbial Fuel Cell, Benthic Microbial Fuel Cell, Decentralization, Waste to Energy
- Ultrasound Assisted Separations
- Conventional Separations
- Polymer Processing
- CFD based modeling and simulation in slurry flow
- Utilization of waste towards valuable product
- Synthesis of Value added products
- Nanotechnology
- Photovoltaic cell
- Osmotic microbial fuel cell, Hybrid forward osmosis system, membrane preparation and characterization, antifouling and self cleaning membrane, Polymer composites
- Liquid membranes and application of ionic liquids
- Development of green extraction methods for recovering high value compounds from biomass waste, an integral concept of the bio-refinery.

## ELECTRICAL ENGINEERING DEPARTMENT

The focus research areas in the department are as follows:

- Power Electronics
- Renewable Energy
- Power Systems
- Control Systems & Instrumentation
- Electrical Machines
- Power Quality
- Electric Vehicles and Charging Infrastructure
- Silicon for Photovoltaic Applications

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

Sr. No.	Name	Category	Topic	Supervisors	Status
1	CHETANKUMARKHUSHAL BHAJ LAD	PEC	Commutation Torque Ripple Minimization in BLDC Motor Drive	Dr. R. Chudamani	On going
2	DEEPAK M. SONJE	PEC	Condition Monitoring of Induction Motor	Dr. P. Kundu, Dr A. Chowdhury	On going
3	ASHOK BABULAL KHERODIA	PEC	Si Thin Film Solar Cell	Dr. A.K. Panchal	On going

4	HITESH KISHANLAL MEHTA	PEC	A Novel MPPT Algorithm for Solar Photovoltaic	Dr. A.K. Panchal	On going
5	DHRUVESH M. MEHTA	PEC	Partial Discharge in Ester based Transformer	Dr. P. Kundu, Dr. A. Chowdhury	On going
6	MUKUL DIXIT	FIR	Optimal Placement of DG and Capacitors in Distribution Network	Dr. P. Kundu, Dr. H. R. Jariwala	On going
7	PANDYA SUNDARAM B.	PEC	Optimal Reactive Power Dispatch	Dr. H. R. Jariwala	On going
8	CHAVDA JITEN K.	PEC	Bidirectional DC-DC Three Level Converter for Ultra-Capacitor Applications	Dr. V. A. Shah	On going
9	PATEL NIKUNJ RAMANBHAI	PEC	Mathematical and FEM Design of 12/15 In-wheel C-core Radial Film SRM for EV Application	Dr. V. A. Shah, Dr. M. M. Lokhande	On going
10	GOR CHANDANIBEN PANKAJ KUMAR	PIS	Multiphase Induction Motor Drive for Electric Vehicles	Dr. V. A. Shah, Dr. M. M. Lokhande	On going
11	PATEL SANJAYKUMAR KANUBHAI	FIR	Power Quality Improvement in Power Distribution System	Dr. S. R. Arya & Dr. R. Maurya	On going
12	SHAIKH MOHAMMED SUHEL ABDUL AZIZ	PEC	Multiphase Induction Motor Drive	Dr. R. Maurya	On going
13	PRITAM KESHAVDAS GUJARATHI	PEC	Investigation and Research on Conversion of Conventional Vehicles in Plug-in Hybrid Electric Vehicles	Dr. V. A. Shah, Dr. M. M. Lokhande	On going
14	KASHYAPLIBHAIMOKA RIYA	PEC	Design and Control of Battery Charger for Electric Vehicles	Dr. V. A. Shah	On going
15	LAKUM ASHOKKUMAR CHAMANLAL	FRS	Placement and Sizing of Active Power Filters	Dr. V. Mahajan	On going
16	JAWAHARLAL BHUKYA	FIR	FACTS Controller for Transmission Network with Renewable Energy Sources	Dr. V. Mahajan	On going
17	B. R. ANANTHAPADMANABHA	FIR	Improved Power Converters for Battery Charging Applications	Dr. R. Maurya, Dr. S. R. Arya	On going
18	PATEL DHARMESHKUMAR DURLABH BHAI	FSC	Differential Protection of Transformer	Dr. K. D. Mistry, Dr. Nilesh G. Gothani	On going
19	MANDAR KADU CHAUDHARI	PEC	Design and Control of Switched Reluctance Motor	Dr. A. Chowdhury	On going
20	AGARWAL SUNIL KUMAR PRAHLAD BHAI	PEC	VSC Based HVDC System	Dr. P. Kundu	On going
21	VAYALVEETIL SHIMIN SUDHAKARAN	FIR	Design of Hybrid Energy Source for Electric Vehicle	Dr. V. A. Shah, Dr. M. M. Lokhande	On going
22	PATIL YOGESH PUNJARAM	PEC	Observer-Based Discrete-Time Sliding-Mode Control For Higher-Order Dynamic Delay-Time System	Dr. H. G. Patel	On going
23	KAMANI PIYUSHKUMAR LAVJIBHAI	FSC	Multilevel Inverter	Dr. M. A. Mulla	On going
24	PATEL PAYAL PRAVINBHAI	PEC	Matrix Converter	Dr. M. A. Mulla	On going
25	BHAVINA J PATEL	PEC	Anesthesia automation	Dr. H. G. Patel	On going
26	RASHMI K. PATEL	PEC	Stability Analysis of Multi Converter System	Dr. R. Chudamani	On going
27	DUBE DEEPALI YOGENDRA	PEC	Control Design of 3 DOF Helicopter System	Dr. S. N. Sharma, Dr. H. G. Patel	On going
28	PRAJAPATI VIJAYKUMAR KANAIYALAL	FRS	Congestion Management with FACTS	Dr. V. Mahajan	On going
29	PRASAD RAJESHKUMAR MUKHTAR	PEC	DFIG Based Wind Energy Conversion System	Dr. M. A. Mulla	On going
30	NAGARSHETH SHAIVAL HEMANT	FIR		Dr. S. N. Sharma	On going
31	RITU JAIN	FIR	Benefits of Penetration DG in Energy Market	Dr. V. Mahajan	On going
32	PARMAR ASHOKKUMAR BHIKHUBHAI	PEC		Dr. P. B. Darji	On going
33	TOPPO ELIJAH TINTIUS	PEC	Maximum Torque Per Ampere Control of IPMSM Drive	Dr. R. Chudamani	On going
34	ASHUTOSH KESHAV GIRI	QIP	Control Algorithms for Distributed Power Generation with Power Conditioning	Dr. S. R. Arya, Dr. R. Maurya	On going
35	TALADA APPALA NAIDU	PPF	Control Algorithms for	Dr. S. R. Arya, Dr.	On going

			DVR	R. Maurya	
36	ALIVA ROUSTRAY	FIR	Incorporation of Renewable Energy in Distribution System	Dr. K. D. Mistry, Dr. S. R. Arya	On going
37	ROHIT CHIRAG VASANBHAI	FIR	Mitigation of SSR in DFIG Based Wind Farm using STATCOM	Dr. P. B. Darji, Dr. H. R. Jariwala	On going
38	KUMARI SHIPRA	FIR	Passivity Based Controller for Switched Electrical Network	Dr. S. N.Sharma Dr. R. Maurya	On going
39	KRISHNAV BHATIA	FIR	Touch Voltage Analysis and Grounding System	Dr. P. B. Darji, Dr. H. R. Jariwala	On going
40	VAGHELA MEGHNABEN AMRUTLAL	PEC	Design and Control of High Gain DC-DC Converter	Dr. M. A. Mulla	On going
41	BHATT DHRUVI SANJAY	FIR		Dr. S.N. Sharma	On going
42	PATEL DHRUPA MUKESHBHAI	PEC	Sen Transformer and FACT Devices	Dr. A. Chowdhury	On going
43	VAMJA RAJAN VINODRAY	FIR	PV Grid Integrated Pumping System	Dr. M. A. Mulla	On going
44	SAYED JAVED ALAM	FIR	Control Algorithms for UPQC	Dr. S. R. Arya	On going
45	RAMANJANEYULUALLA	FIR	Z Source Inverter for PV Grid Integration	Dr. A. Chowdhury	On going
46	GUPTA JYOTI MAHAVEER PRASAD	FIR	Integrated Battery Charger for Electric Vehicle	Dr.Rakesh Maurya	On going
47	NERKAR HARSHADA MADHUKAR	FIR	Ancillary Service for Frequency Control	Dr. P.Kundu And Dr.(Mrs.) A.Chowdhury	On going
48	JAYADEEP SRIKAKOLAPU	FIR	DSTATCOM and Its Application in PMSG Based Distributed Generation System	Dr. Saba Raj Arya And Dr.Rakesh Maurya.	On going
49	SHAYER ALIASGAR PARVEZ	FIR	Power Quality Improvement in Traction System	Dr.M.A.Mulla	On going
50	MEDEWAR PRASHANT GANESH	FIR	Non-linear System Control	Dr.Hiren G. Patel And Dr.S.N.Sharma	On going
51	MOHITE UTKARSHA LAXMAN	PEC	Bio-Engineering Study on Cancer Chemo Therapy	Dr.Hiren G. Patel	On going
52	MANISH YADAV	FIR	Bio-Engineering Study on Type-2 Diabetics	Dr.Hiren G. Patel	On going
53	ATHUL VIJAY P K	FIR	Regenerative Braking of Induction Motor using Ultra Capacitor	Dr.(Mrs.) V.A.Shah	On going

### Scholars Pursuing M. Tech Dissertation and their details

Sr. No.	Name	Topic	PG Programme	Supervisors
1.	Santosh Kakad	Power Control Single Phase PWM rectifier	Power Electronics & Electrical Drives	Prof J. J. Patel
2.	Boddapu Ganesh	Direct Torque Control of Six-phase Induction Motor with reduced Stator Current Harmonics	Power Electronics & Electrical Drives	Dr. Rakesh Maurya
3.	Ankit Singh Basera	Analysis and Speed Control of PMSM motor	Power Electronics & Electrical Drives	Dr. A. Chowdhury
4.	Amritansh Sagar	Design of Fractional PID controller for DC-DC converter	Power Electronics & Electrical Drives	Dr. S.N. Sharma
5.	Ramanjaneyulu	Experimental Studies on Motion Control system based on PLC	Power Electronics & Electrical Drives	Dr. R. Chudamani
6.	Trideb De	Control Strategy for Power Converter Interface for uninterrupted DC supply in Nanogrid Application	Power Electronics & Electrical Drives	Dr. R. Maurya
7.	Ragunandan M. Prajapati	Bi-directional Power flow of Back-to-Back converter for Doubly Fed Induction Generator	Power Electronics & Electrical Drives	Dr. M. A. Mulla
8.	Saurav Patel	CHB Multi-level inverter using single DC source	Power Electronics & Electrical Drives	Prof. Manisha D. Gohil
9.	Jaggapuram Samiulla	Simulation and experimental comparison of different model based maximum power point algorithms for a PV suystem	Power Electronics & Electrical Drives	Dr. A. K. Panchal
10.	Praveen Borker	Comparative Analysis of Quasi-Y Source Inverter with different sine PWM controlling Techniques	Power Electronics & Electrical Drives	Dr. A. Chowdhury
11.	Athul Vijay PK	Study on Two Different Power Theory for Shunt Active Filter and its Realization	Power Electronics & Electrical Drives	Dr. M. A. Mulla

		using		
12.	Ram Pravesh	Leakage Current Measurement of induction motor	Power Electronics & Electrical Drives	Prof.M.N. Bhusawalwala
13.	Rajesh Singh	Solar PV Array based Power Generation System for Pump Applications	Power Electronics & Electrical Drives	Dr. S.R. Arya
14.	Sharath Kumar	Fuel Cell Based Power Generation System for low and medium power application	Power Electronics & Electrical Drives	Dr. S. R. Arya
15.	Deepak Kumar Laser	Comparison of Different SPWM Techniques for NCMLI	Power Electronics & Electrical Drives	Prof. Manisha D. Gohil
16.	Qureshi Amin Firozabhai	Power Quality Features in wind energy system for Distributed Power Generation	Power Electronics & Electrical Drives	Dr. S. R. Arya
17.	Sujitha Janardhanan	Simulation Studies and Hardware Implementation of Dynamic Voltage Restorer	Power Electronics & Electrical Drives	Dr. R. Chudamani
18.	Aashish Godara	Critical line identification using line stability indices	Power Systems	Dr. K. D. Mistry
19.	Bajranglal Agrawal	Time delay compensation for wide area damping controller	Power Systems	DR. V.A. Shah
20.	Nukula Tejeshwar	A Novel maximum power point tracking algorithm for PV module based on explicit I-V relation.	Power Systems	Dr. A. K. Panchal
21.	Prankit Gupta	Speed control of five phase induction motor.	Power Systems	DR. V.A. Shah
22.	Hardik Vipulbhai Gohel	Cost analysis of diesel battery and PV hybrid systems.	Power Systems	Dr. H.G. Patel
23.	Vikas Patel	Design of control characteristics for LCC HVDC link	Power Systems	Dr. Pranav Darji
24.	Jitendra Singh	Mathematical modeling and controller design for inverted pendulum.	Power Systems	Dr. S.N. Sharma
25.	Kavya C S	Theoretical and practical estimation of partial discharge	Power Systems	Dr. P. Kundu
26.	Amit Kumar	Implementation of DTC SVM based regenerative braking of VSI fed induction motor drive.	Power Systems	Prof. C.Gor
27.	Pankaj kumar Dahima	Transmission wheeling cost evaluation using MW mile and MVA mile methodology.	Power Systems	Dr. K. D. Mistry
28.	Vineet Verma	Multiphase Induction Motor	Power Systems	Prof. C.Gor
29.	Hemant Kumar	Power quality improvement using Unified power quality conditioner.	Power Systems	Dr. H.G. Patel
30.	Karthik B G	Theoretical and practical estimation of partial discharge	Power Systems	Dr. P. Kundu
31.	Akhila Anandh S	Mitigation of voltage sag and swell by using PV STATCOM in distribution system.	Power Systems	Dr. S.N. Sharma
32.	Falguni bahen Kasanjibhai Chaudhari	Application of FACTS devices for voltage regulation and power flow control in transmission line.	Power Systems	Dr. V. Mahajan

### APPLIED MECHANICS DEPARTMENT

The focus research areas in the department are as follows:

- Sub Soil Characteristics
- Prediction in Geotechnical Engineering
- Ground Improvement

Scholars pursuing PhD, currently and their details:

Name of the supervisor	Name of Student	Title (Tentative)	Enrollment year
Prof. (Dr.) C. H. Solanki	Dipali Paresh Doshi	Seismic Retrofitting of Bridge Foundation using Micro piles	2011
	Jignesh B. Patel	Study on Pervious Concrete Column for Ground Improvement	2014
	Deepshikha Shukla	Seismicity and Ground Response Analysis for a Particular Site at Indore	2015

Name of the supervisor	Name of Student	Title (Tentative)	Enrollment year
	Vipul Kumar Vasiya	An Experimental Study on Soft Clay using Corex Slag Reinforced with Terrazyme	2015
	NiravUmrvavia	Lateral Behaviour of Geo grid Reinforced CFG Pile Supported Embankment over Expansive Soil under Static & Dynamic Loading	2015
	AvinashNavale	Analysis of Laterally Loaded Pile Group	2015
	AnandHulagabali	Static and Seismic Response Analysis of Reinforced Earth Retaining Wall	2016
	VemulaAnand Reddy	Solidification/Stabilization of Industrial Contaminated Soil using Limestone Calcined Clay Cement.	2016
	Mohit K. Mistry	Study of Fibre-Clay Interface Behaviour and Reinforcing Mechanism	2016
S. A. Vasanwala	Nirav K. Patel	Development of Fragility Curve for Reinforced Concrete Frame structures considering effect of structural characteristics	2013
	Uttamkumar	Behaviour Of Pile Raft Foundation Subject To Vertical And Horizontal Load	2014
	Megha B. BAHATT	Design Considering and checks of model RC Chimney for experimental work	2015
	Patel TejashKumar	External Strengthening of Circular and Square RC Short Column Using FRP Composites	2016
	Anuj K. Chandiwala	Behaviour Of Large Piled Raft Foundation On Clay Soil	2016
	Ankit H. Sodha	Behaviour of Multiple Friction Pendulum system under Near-fault earthquake	2016
	Channabasaveshwar Chikmath	Direct Displacement Based Seismic Design of RC Structures	2016
	Nehal M. Desai	Time Dependent Construction Sequence Analysis Of Reinforced Concrete Moment Frame	2017
	RonakMotiani	Course Work Completed	2017
Dr. Shruti J Shukla	Jiji Krishnan T U	Soil stabilization using colloidal silica	2016
	Mohit Mistry	Study of fibre clay interface behaviour and reinforcing mechanism	2016
	Khushbu Gandhi	Improvement of expansive soil using bagasse	2016
	Arpit A. Parikh	Jack up – Spudcan/Mudmat Stability studies under VMH Loading	2017
Dr. Yogesh D. Patil	Satish Waysal	Utilization potential of PET polymer in concrete	2016
	Vaibhav Pawar	Mechanical anchorage in exterior beam column joint subjected to cyclic loading	2013
	Akshay Bhoi	Properties of sustainable concrete incorporating copper slag as a sand replacement	2013

### Scholars Pursuing M. Tech Dissertation and their details

Sr. No.	Name of Student	Adm. No.	Guided By	Title of dissertatiion
1	Shah Rikhav Amitbhai	P15ST001	Dr. S.A. Vasanwala	An Analytical Study on Behaviour of post tensioned transfer Girder In RC Building
2	Siddhant Jain	P15ST002	Dr. B. Kondraivendhan	Strength and Durability Study of coir Fibber Reinforcement Concrete
3	Kritika Agrawal	P15ST003	Dr. S.A. Vasanwala	Influence of Capacity Based Design on Seismic Response of RC Building Structure
4	Prabhat Jain	P15ST004	Dr. Y.D. Patil	Effect of irregularity on Reinforced Concrete Structure
5	Anurag Bajpai	P15ST005	Dr. S.N. Desai	Cost Economic Study of Reinforced Concrete Intze Tank
6	Sheth Akshay Nanalal	P15ST006	Dr. A.K. Desai	A Comparative Study o Direct Displacement based and (Force Based) codal approaches for RC monolithic continuous Bridge
7	Madhura Chavan	P15ST007	Dr. S.A. Vasanwala	Seismic Response of RC Structure Under Bidirectional Pushover Analysis
8	Saurabh	P15ST009	Dr. S.N. Desai	Cost Economic Study of Reinforced Concrete Retaining Wall
9	Fayiz M.	P15ST010	Dr. Y.D. Patil	Seismic design of Exterior Reinforced Concrete Beam-Column Join With 'C' Shaped Steel Box
10	Thryshnav A Kumar	P15ST011	Dr. S.A. Vasanwala	Evaluation of Response reduction Factor For Unreinforced Masonry Infilled RC Building

Sr. No.	Name of Student	Adm. No.	Guided By	Title of dissertatiion
11	Jayesh Dhabhai	P15ST012	Shri A.J. Shah	Development of Fragility Curve Using Hazus Method for Assessing seismic Vulnerability of RC Building In Surat City Gujrat , India
12	Aniket A, Shirgaonkar	P15ST013	Dr. H.S. Patil	Understanding Structureal Behavior By User Friendly Model
13	Vinod Kumar	P15ST014	Dr. S.A. Vasanwala	Comparative Study of Steel Tied Arch Bridge
14	Pateliya Mukeshkumar Ramabhai	P15ST017	Dr. B. Kondraivendhan	Fibre Reinforced Concrete Using Sisal Fibre
15	Variyanwala jigar Pramodkumar	P15ST018	Shri A.J. Shah	Comparative Analytical Study of seismic Response and cost of Multi-Story (G+12) RCC Steel & Steel-Concrete Composite Building
16	Jinal Sanjeev Shah	P15ST019	Prof. Dr. A K Desai	Analysis of cable stayed Bridge with different Geometrical Variation
17	Desai Pranav Harendrabhai	P15ST021	Dr. D. B. Raijiwala	Experimental study on CORN COB ASH POWDER as Partial Replacement of cement in concrete
18	Karan H. Shah	P15ST022	Dr. G. R. Vesmawala	Strengthening of Masonary column with glass fiber strip confinement

## 5.4 INSTITUTE – INDUSTRY COLLABORATION

### CIVIL ENGINEERING DEPARTMENT

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.

### ELECTRONICS ENGINEERING DEPARTMENT

- Research work in the various industries like ITER, ISRO, Intel.
- Students deputed for dissertation & Research work in Intel, Marvel.
- Dr. Surendra Sunda, manager (GAGAN), Airport Authority India, GAGAN Lab at SAC ( ISRO) Ahmedabad in the penal of RPS and Dr. Alok Verma ( SAMEER-IITB) invited for dissertation and research work.
- Technical Collaboration with Keysight Technology and Automation Systems
- Hiren Dhudha- Ph.D scholar works as Researcher in IPR – ITER, Gandhinagr, India
- MOU between ECED SVNIT, Surat and Amdocs Development center India pvt., ltd. Pune on 23/11/16
- Department received One GPU TitaNXpascal p12 1243 from NVIDIA Graphics.
- One day workshop on IoT conducted with Innovians Technology on 31<sup>st</sup> March – 1<sup>st</sup> April
- Industrial visit to HAL and Airforce Nasik by B.Tech IV year students.
- Admission of Mr. Mahesh Kumar, based on MOU with Indian Navy, Area of work is 'Acoustic optical channel switching under water sensor network.
- Under Media LabAsia 'Vishveshwariya Ph.D scheme for Electronics & IT' sponsored by DEITY and Ph.D scholar got admission & continued.
- MOU extension with ISRO for IRNSS Navigational system and additional IRNSS Mobile Unit given to department by ISRO.
- Short term training given to Western Railway supervisors and technicians in February 2017 for two weeks.

### ELECTRICAL ENGINEERING DEPARTMENT

- The Department is actively engaged in executing research projects/consultancy funded from the Industries and Government sectors.
- The Department has generated revenues by providing testing and consultancy services to industrial clients as well.
- The Department organises frequent industrial visit for the students of B. Tech, M. Tech, research scholar and faculty.
- A few M.Tech II students are deputed for their dissertation work in the industries such as ABB, Siemens, KPIT etc
- Many B.Tech II yr and III yr students are voluntarily adopt two- four week summer internship in the relevant industries during vacation period.

### COMPUTER ENGINEERING DEPARTMENT

B.Tech students					
Sr. No	Student Name	Name of Industry	Male / Female	Work of Nature	Date Duration
1	Srinidhi Lyengar	Wipro Ltd,Bangalore	Female	Internship	May-2016 to July 2016
2	Kritika Ghaatiya	Wipro Ltd,Bangalore	Female	Internship	May-2016 to July 2016
3	Trisha Gupta	Wipro Ltd,Bangalore	Female	Internship	May-2016 to July 2016
4	Monica Gehlot	Wipro Ltd,Bangalore	Female	Internship	May-2016 to July 2016
5	Jiya Singh	Wipro Ltd,Bangalore	Female	Internship	May-2016 to July 2016
6	Lucky Srivastava	Wipro Ltd,Bangalore	Female	Internship	May-2016 to July 2016
7	Kalpan Chokshi	Wipro Ltd,Bangalore	Male	Internship	May-2016 to July 2016
8	Harshal Rohit	Wipro Ltd,Bangalore	Male	Internship	May-2016 to July 2016
9	Abhinivesh Palusa	Wipro Ltd,Bangalore	Male	Internship	May-2016 to July 2016
10	Vishnu Teja Yalakuntla	Austrian Space Forum,Austria	Male	Internship	May-2016 to July 2016
11	Vidushi Tyagi	JP Morgan	Female	Internship	May-2016 to July 2016
12	Maurya Rohit Nandkishor	JP Morgan	Male	Internship	May-2016 to July 2016
13	M.Ranjani	JP Morgan	Female	Internship	May-2016 to July 2016
14	Rohit Gurnani	JP Morgan	Male	Internship	May-2016 to July 2016

M. Tech students					
Sr. No	Student Name	Name of Industry	Male / Female	Work of Nature	Date Duration
1	Shah Nishitha Jayeshkumar	P.S.Philips Innovation Campus Bangalore.	Female	Internship	July-2016 to May 2017
2	Tanushree	Intel Bangalore.	Female	Internship	July-2016 to May 2017
3	D. Amrutha Lakshmi	Intel Bangalore.	Female	Internship	July-2016 to May 2017
4	Naik Shruti	PIC, Bangalore.	Female	Internship	July-2016 to May 2017

	Chetanbhai				
5	Kosle Rohit Ashokrao	Intel Bangalore.	Male	Internship	July-2016 to May 2017
6	Thakor Viral Narsinhbhai	Intel Bangalore	Male	Internship	July-2016 to May 2017
7	Ami Nareshkumar Golwala	Intel Bangalore	Female	Internship	July-2016 to May 2017
8	Suraj Vitthal Gaikwad	Intel Bangalore.	Male	Internship	July-2016 to May 2017
9	Amin Deep Tarunchandra	Intel Bangalore.	Male	Internship	July-2016 to May 2017



## 6.0 NIT COUNCIL, BOG AND OTHER COMMITTEES

### 6.1 NIT COUNCIL

In order to coordinate activities of all NITs the Central government has constituted NIT Council, as under:

01	Minister in charge, Ministry of Human Resource Development, Government of India	Chairman (Ex-officio)
02	Secretary to the Govt. of India, Department of Higher Education, Ministry of Human Resource Development	Member (Ex-officio)
03	The Chairperson of National Institutes of Technology located at Agartala (Tripura), Allahabad (Uttarpradesh), Bhopal (Madhya Pradesh), Calicut (Kerala), Durgapur (West Bengal), Hamirpur (Himachal Pradesh), Jaipur (Rajasthan), Jalandhar (Punjab), Jamshedpur (Jharkhand), Kurukshetra (Haryana), Nagpur (Maharashtra), Patna (Bihar) Raipur (Chattisgarh), Rourkela (Orissa), Silchar (Assam), Srinagar (Jammu & Kashmir), Surat (Gujarat), Surathkal (Karnataka), Tiruchirapalli (Tamil Nadu) and Warangal(Andhra Pradesh)	Member (Ex-officio)
04	Director of every National Institute of Technology	Member (Ex-officio)
05	The Chairman, University Grants Commission	Member (Ex-officio)
06	The Director General, Council for Scientific & Industrial Research	Member (Ex-officio)
07	Secretary, Department of Bio-Technology, Government of India	Member (Ex-officio)
08	Secretary, Department of Atomic Energy, Government of India	Member (Ex-officio)
09	Secretary, Department of Information Technology, Government of India	Member (Ex-officio)
10	Secretary, Department of Space, Government of India	Member (Ex-officio)
11	Chairman, All India Council for Technical Education	Member (Ex-officio)
12	Not less than three but not more than five persons to be nominated by the Visitor, at least one of whom shall be a women, having special knowledge or practical experience in respect of Education, Industry, Science or Technology.	Member
13	Three members of Parliament of whom two shall be chosen by the House of People and one by the Council of States.	Member
14	Two Secretaries to the State Government of Maharashtra, from amongst the Ministries or Departments of that government dealing with technical education where the Institutes are located.	Member (Ex-officio)
15	Financial Advisor, Ministry of Human Resource Development, Government of India	Member (Ex-officio)
16	Joint Secretary to the Govt. of India (Technical) / Additional Secretary (Technical) / Department of Higher Education, Ministry Human Resource Development	Member Secretary (Ex-officio)

## 6.2 BOARD OF GOVERNORS

01	An Eminent Technologist / Engineer / Industrialist / Educationist – nominated by the Visitor	Chairman	<b>Mrs. Jaya Panvalkar</b> Chairperson, BOG, SVNIT, Surat
02	Special Secretary / Additional Secretary / Joint Secretary dealing with Technical Section, Department of Higher Education, Ministry of Human Resource Development.	Member	<b>Shri Sanjeebkumar Sharma</b> Director (NIT's) MHRD, New Delhi
03	Financial Advisor, Department of Higher Education, Ministry of Human Resource Development	Member	<b>Shri Ashok Maheswari</b> Director (IFD) MHRD, New Delhi
04 05	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	<b>Shri Jay Prakash Agarwal</b> Chairman, Rachna Group & Ind. & Basi, Surat <b>Ms. Sharmila Mande</b> Chief Scit. R&D, Bio Science, Pune
06 07	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	<b>Ms. Sabha Tole</b> Prof. Deptt. Of Biological Science, Tata Inst. Of Foundation of Research Member <b>Prof. Pranab Kumar Mohapatra</b> Prof. CED, IIT, Gandhinagar
08 09	One Professor and One Associate Professor or Assistant Professor of the Institute to be nominated by the Senate	Member	<b>Prof. H.B. Naik</b> Professor, MED, SVNIT, Surat <b>Mrs.(Dr.) Varsha A. Shah</b> Asso. Prof., EED, SVNIT, Surat
10	Director of the Institute – Ex-officio	Member	<b>Dr. S.R. Gandhi</b> Director, SVNIT, Surat
11	Registrar of the Institute – Ex-officio	Member Secretary	<b>Dr. D.P. Vakharia</b> I/C Registrar, SVNIT, Surat

## 6.3 FINANCE COMMITTEE

01	The Chairman, Ex-officio who shall be the Chairman of the Committee	Chairman	<b>Mrs. Jaya Panvalkar</b> Chairperson, BOG, SVNIT, Surat
02 03	Two persons nominated by Central Government	Member	<b>Shri Sanjeebkumar Sharma</b> Director (NIT's) MHRD, New Delhi
		Member	<b>Shri Ashok Maheswari</b> Director (IFD) MHRD, New Delhi
04 05	Two person nominated by Board amongst its members	Member	<b>Prof. H.B. Naik</b> Professor, MED, SVNIT, Surat <b>Mrs.(Dr.) Varsha A. Shah</b> Asso. Prof., EED, SVNIT, Surat
06	Director, Ex-officio	Member	<b>Dr. S.R. Gandhi</b> Director, SVNIT, Surat
07	Registrar, Ex-officio	Member Secretary	<b>Dr. D.P. Vakharia</b> I/C Registrar, SVNIT, Surat

## 6.4 BUILDING & WORKS COMMITTEE

01	Director, Ex-officio	Chairman	<b>Dr. S.R. Gandhi</b> Director, SVNIT, Surat
02	One persons nominated by Government of India	Member	<b>Shri K. Rajan</b> Under Secretary (NIT) Rep. of Director (NIT's) MHRD, New Delhi
03	One persons nominated by MHRD, Government of India	Member	<b>Shri Rajesh Singh</b> Director (IFD) MHRD, New Delhi
04	One person nominated by Board amongst its member	Member	<b>Shri A.K. Jain</b> Sp. Director General (CPWD) (Rtd.) NOIDA (UP) 201 301
05	Nominee of CPWD / PWD (Civil Wing)	Member	<b>Shri K.M. Patel</b> Dy. Ex. Engr. Rep. of Supdtg. Engr. (Civil)

			R&B Circle, Surat
06	Nominee of CPWD / PWD (Elect. Engg.)	Member	<b>Shri Rajesh Bhagwani</b> Executive Engr. (Elect.) CPWD, Gandhinagar
07	Dean, Planning & Development	Member	<b>Dr. R.A. Christian</b> Den (P&D) SVNIT, Surat
08	Registrar, Ex-officio	Member Secretary	<b>Dr. D.P. Vakharia</b> I/C Registrar, SVNIT, Surat

## 6.5 PURCHASE COMMITTEE

01	<b>Dr. S.R. Gandhi,</b> Director, SVNIT, Surat	Chairman
02	<b>Shri P.K. Chopra,</b> Registrar, IIT, Gandhinagar	Member
03	<b>Shri S.S. Major</b> Prof. in Physics, IIT Powai, Mumbai	Member
04	<b>Dr. P.L. Patel</b> Professor in CED, SVNIT, Surat	Member
05	<b>Dr. (Mrs.) U.D. Dalal,</b> Asst. Prof., ECED, SVNIT, Surat	
06	<b>Shri B.J. Sawani,</b> Dy. Registrar (A/Cs), SVNIT, Surat	
05	<b>Dr. D.P. Vakharia,</b> I/C Registrar, SVNIT, Surat	Member Secretary

## 6.6 LIST OF SENATE MEMBERS

The Senate of the Institute shall consist of the following persons, namely:

01	Dr. S.R. Gandhi, Director, SVNIT, Surat	:	Chairman
02	Dr. Amit Prashant, Dean (Acad), IITGN	:	External Member
03	Dr. P.L. Patel, Dean (Acad), SVNIT, Surat	:	Member
04	Dr. JEM Macwan, Prof. & Head, CED, SVNIT, Surat.	:	Member
05	Dr. C.H. Solanki, Prof. & Head, AMD, SVNIT, Surat	:	Member
06	Dr. ZVP Murthy, Prof. & Head, CHED, SVNIT, Surat.	:	Member
07	Dr. H.R. Jariwala, Asso. Prof. & Head, EED, SVNIT, Surat	:	Member
08	Dr. B.K. Samtani, Professor, CED, SVNIT, Surat	:	Member
09	Dr. J.N. Patel, Professor, CED, SVNIT, Surat	:	Member
10	Dr. R.V. Rao, Professor, MED, SVNIT, Surat	:	Member
11	Dr. D.V. Bhatt, Professor, MED, SVNIT, Surat	:	Member
12	Dr. P.A. Parikh, Professor, CHED, SVNIT, Surat	:	Member
13	Dr. D.R. Patel, Professor, COED, SVNIT, Surat	:	Member
14	Dr. H.J. Nagarsheth, Professor, MED, SVNIT, Surat	:	Member
15	Dr. R.G. Mehta, Asso. Prof. & Head, COED, SVNIT, Surat	:	Member
16	Dr. J.N. Sarvaiya, Aso. Prof. & Head, ECED, SVNIT, Surat	:	Member
17	Dr. Kalpana Maheria, Asso. Prof. & Head, ACD, SVNIT, Surat.	:	Member
18	Dr. Vipul Kharej, Asst. Prof. & Head, APD, SVNIT, Surat	:	Member
19	Dr. H.P. Bulsara, Asst. Prof. & I/C Head, AMHD, SVNIT, Surat	:	Member
20	Dr. R.A. Christian, Dean (SW), SVNIT, Surat	:	Member
21	Dr. A.K. Khambete, Dean (P&D), SVNIT, Surat	:	Member
22	Dr. P.V. Bhale, Asso. Dean (R&C), SVNIT, Surat	:	Member
23	Dr. S. Kumar, Asso. Dean (Acad) SVNIT, Surat	:	Member
24	Dr. U.D. Dalal, Asso. Dean (FW) SVNIT, Surat	:	Member
25	Dr. D.P. Vakharia, I/C Registrar, SVNIT, Surat	:	Member Secretary

**6.7 SELECTION COMMITTEE :**

<b>(a)</b>	The Selection Committee for recruitment of Academic Staff (Excluding the Director and the Deputy Director) or for promotion shall be as under:		
(1)	Director	:	Chairman
(2)	Visitors nominee	:	Member
(3)	One nominee of the Board one being and expert But other than a member of the Board.	:	Member
(4)	One expert nominee if Senate from outside the Institute	:	Member
(5)	Head of the Department concerned (for other than the post of Professor)	:	Member

<b>(b)</b>	<b>The Selection Committee for Technical Posts shall be as under:</b>		
(1)	Director	:	Chairman
(2)	One expert from outside the Institute	:	Member
(3)	Nominee of MHRD	:	Member
(4)	Concerned Head of the Department	:	Member
(5)	Registrar	:	Member

<b>(c)</b>	<b>The Selection Committee for Administrative and Ministerial Staff shall be as under:</b>		
(1)	Director	:	Chairman
(2)	One expert from outside the Institute	:	Member
(3)	Nominee of MHRD	:	Member
(4)	Registrar	:	Member

<b>(d)</b>	<b>The Selection Committee for Senior Administrative and other comparable posts carrying pay scale of Lecturer and above shall be as under</b>		
(1)	Director	:	Chairman
(2)	One expert from outside the Institute	:	Member
(3)	Nominee of MHRD	:	Member
(4)	Nominee of Board	:	Member
(5)	Registrar	:	Member

**7.0 Concessions for SCs and STs students, concessions provided for students.**

7.1	SC, ST	-	Rs.1200/- per month for Hosteller
		-	Rs.550/- per month for Day Scholar
OBC	-	Rs.750/- per month for Hosteller	
	-	Rs.350/- 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 lacs)

Source of Fund	Non-Plan Grant (Recurring)					Plan Grant (Non-Recurring)				
	12-13	13-14	14-15	15-16	16-17	12-13	13-14	14-15	15-16	16-17
Ministry of HRD (Direct Receipt)	4200.00	4500.00	4299.52	6900.00	4200.00	3249.93	8973.75	5800.00	4500.00	6700.00
DST Project / BRNS Project	104.41	34.15	24.90	280.92	421.60	--	--	--	--	--
CSIR & Other Project	34.00	88.72	145.74	255.86	89.29	--	--	--	--	--
Tuition Fee & other fee	1470.73	1290.98	1433.99	1155.90	3079.29	--	--	--	--	--
Testing / Consultancy 50% of Receipt	148.80	51.47	116.10	341.28	85.74 (*)	--	--	--	--	--
Other Receipt & Rent from Staff Qtrs., Bank / Hostel / Post Office / Canteen	1958.61	174.90	193.10	199.63	423.53	--	--	--	--	--
<b>Total</b>	<b>6153.64</b>	<b>6140.22</b>	<b>6213.35</b>	<b>9133.59</b>	<b>8299.45</b>	<b>3249.93</b>	<b>8973.75</b>	<b>5800.00</b>	<b>4500.00</b>	<b>6700.00</b>

**N.B.** The figures 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 :

#### 01 Plan

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

#### 02 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 2016-17 (Rs. in lacs)

Financial Year	2012-13	2013-14	2014-15	2015-16	2016-17
Recurring (Non Plan) Expenditure	5560.36	6182.89	6954.13	7332.41	7909.04
Non Recurring (Plan) Expenditure	3915.63	10159.08	9347.63	8407.00	520.87
DST Projects / BRNS Projects	54.50	81.30	58.50	42.93	129.15
CSIR & other Projects	135.14	69.08	110.65	94.80	144.88
<b>TOTAL</b>	<b>9665.63</b>	<b>16492.35</b>	<b>16470.91</b>	<b>15877.14</b>	<b>8703.94</b>

(\*) Sometime 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 premium Central Learning Resource Centre of the Institute was established in 1995. It is the heart of 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, Guest House 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 at the Central Computer Centre. Distribution Core Switch are being utilized at primary distribution centre which caters approximate more than 1000 connections each. Such primary distribution centres are at Gajjar Bhavan, Bhabha Bhavan, Mother Terasa Bhavan, Swami Vivekanand Bhavan etc. Almost the entire campus is covered by LAN.
- Wireless connectivity has already been deployed at academic zone (all Departments, Labs, workshop, Central Computer Centre, Library), Hostels, Canteen, Guest House, Dispensary, Student Activity Centre 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/NKN project through which connectivity of 1 Gbps (100 Mbps for connectivity and rest 900 Mbps is for e-content in future) is functioning. The internet access to the institute is also available from various vendors, who provides 64 Mbps internet bandwidth each amounting to a total of 384 Mbps. Thus total bandwidth of the Institute is amounting to a total of 484 Mbps.
- Central Computer Centre provided services to Training and Placement section of the institute to conduct on-line test of campus recruitment process of UG, PG and M.Sc. Students of all the branches. Central Computer Centre provides internet and computing facilities for Major National & International Conferences. Centralized B.Tech. admission (JOSAA) and Centralized M.Tech. Admission (All branches) (CCMT) are carried out by Central Computer Centre in co-ordination with Academic Section. Central Computer Centre has developed institute website and currently maintaining the website. Moreover Central Computer Centre manages institute mail server and provide e-mail services to all staff and students.
- The Central Computer Centre manages Annual maintenance of campus wide computers, 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 Computes), Online Virtual Classroom (60 Computers), Research scholar room (32 Computers) meant for the B Tech, M tech and Ph.D students.
- 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 software's are housed in the laboratories. Superb computing facilities and the abundance of all types of latest software's are added to the glamour and grandeur of this centre.
- 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 (2016-2017) under report the following were added to the library.

Particulars of Reading Materials	Numbers
Books	1092
Gift Books	359
Research Proceedings	21
E-Books	79
Book Bank Books	00
Standards	00
Bound /Back Volumes (Print)	00
Bound /Back Volumes (Online)	00
Dissertation (Print)	834
Dissertation (Online)	00
Photo Copies	00
Video Cassettes	00
CD ROM (Purchased)	27
CD ROM (Along with Books & Journals)	122
Floppy Disks	00
Audio Cassettes	00
Print journals subscribed	39
Online individual journal titles subscribed	41
<b>CD-ROM Databases Available: ASME Standards (Except BPVC), British Standards: Eurocode, British Standards [5 Module], Indian Standards, International Electro Technical Commission (IEC) Standards</b>	
<b><u>E-resources provided by the E- Shodh Sindhu Consortium during Jan-Dec 2016</u></b> ACM Digital Library, All Society Periodicals Package (ASPP) & Proceedings Order Plan (POP), ASCE Journals, ASME Journals, ASTM Standards+ Digital Library, Economic & Political Weekly, Emerald CFTI Collection, Institute for Studies in Industrial Development (ISID) Database, J-Gate Plus (JCCC), JSTOR, Nature, Oxford University Press, Web of Science Lease Access	
<b>Online journals/ standards subscribed through publishers/various agency:</b> American Chemical Society (56 Journals), American Mathematical Society (16 Journals), American Physical Society (13 journals), ASCE proceedings (174 Volumes), ASTM Journals (08 Journals), Emerald Journals Package (67 Journals), Institute of Civil Engineers (ICE) journals package (36 Journals), ProQuest Science Journals (1620 Journals), Royal Society of Chemistry (36 Journals), Sage Social Science premier package (24 journals), Science Direct (696 Journals), Springer Verlag's Link (1400+), Taylor & Francis five subject collections (302 Journals)	
<b>Total Nos. of Online Journals: 4448+</b>	
<b>Online Databases :</b> ASTM Standards, IEEE, MathSciNet Database, Turnitin Plagiarism detection online software	

The total number of books, volumes and electronics documents in the library at the end of the year, (2016-17) are as under:

Particulars of Reading materials	Numbers
Books (Purchased)	76888
Gift Books	9300
PDDC Books purchased Separately	3856
Book Bank Books	7402
<b>Total No. of Books</b>	<b>97446</b>
<b>Particulars of other reading materials except Books</b>	
Research proceedings	667
Standards	15844
Bound / Back Volumes (Print)	8754
Bound / Back Volumes (Online)	5395
Dissertation (Print)	3324
Photocopies	484
<b>Total No. of other Reading materials except Books</b>	<b>34468</b>
<b>Actual Total No. of Volumes (Including Books)</b>	<b>131914</b>
<b>ELECTRONIC DOCUMENTS</b>	
Video Cassettes	1045
CD ROM (Purchased)	828
CD ROM (Along with Books & Journals)	3354
Floppy Diskettes (Along with Books)	656
Audio Cassettes	18
E-Books	9794
<b>Total No. of Electronic Documents</b>	<b>15695</b>
Print journals subscribed	39
Online individual journal titles subscribed	41
<p><b>CD-ROM Database Available:</b> 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 &amp; Biotechnology Abstracts, Environmental Chemistry, Health &amp; 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.</p>	
<p><b>E-resources provided by the E- Shodh Sindhu Consortium during Jan-Dec 2016</b></p> <p>ACM Digital Library, All Society Periodicals Package (ASPP) &amp; Proceedings Order Plan (POP), ASCE Journals, ASME Journals, ASTM Standards, Emerald CFTI Collection , JGate Plus (JCCC), JSTOR, Nature, Oxford University Press, Web of Science Lease Access</p>	
<p><b>Online journals/ standards subscribed through publishers/various agency:</b></p> <p>20 online back files of journals subscribed from John Wiley &amp; Sons, 354 Volumes of ImechE Proceedings back files, 3348 volumes of Springer back files, ASCE proceedings (174 Volumes), Institute of Civil Engineers (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 &amp; 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),</p>	
<p><b>Total Nos. of online Journals : 8170+</b></p>	
<p><b>Other Online Databases</b></p> <p>ASTM Standards, IEEE, MathSciNet Database, Turnitin Plagiarism detection online software</p>	



The total equipment available in the library is listed below:

Sr. No.	Name of the Equipment	Quantity
<b>Computer</b>		
01	HCL Infinity 2000 20 GB HD 128 MB RAM	01
02	Desktop B HCL infinitive pro Pentium 4 80 GB Hard disk	06
03	Pentium 4, 2.6 GHz. HCL infinity GL1400	01
04	HP Compaq EVO DX 6100 Intel Pentium 4, 3.0 HT	04
05	Laptop HP Compaq nx6120	01
06	IBM Think center S50U Intel Pentium 3.0MHz	01
07	IBM Highend Server Xseries 226 Intel Xeon 2.8 Ghz dual processor 2 GB DDR	01
08	Desktop computers 2 Duo, Model –Dell , CPU: Due E7500, Memory 4GB DDR2	04
09	Dell Optiplex 990, 4 GB RAM, 64 bit, 310 Ghz.	15
<b>Printer</b>		
01	HP Laser jet 1320 N	01
<b>Other Equipments</b>		
01	Toshiba E-studio 160 Xerox machine	01
02	Toshiba E-studio 282 Xerox machine	01
03	Canon Colour Photocopier C2220	01
04	Bar Code Scanner	05
05	Color Television	04
06	VCP	01
07	VCR	01
08	HP ScanJet 5590 Flatebed (digital) Scanner	01
09	HP CD Writer 9600 Series	01
10	UPS	04
11	On line UPS System rating at UPS 5.0 KVA, 1ph input- 1ph output, Backup time 60 minutes, Make – Pulsive 02, Xsis 1	03
12	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
13	Book drop station integrated with following accessories: -RFID Reader and antenna with multiple read/ write facility -Book drop -Receiving Cart -17" Touch screen LCD Planner -Auto cutter thermal Slip Printer -Branded CPU -LSmart client software	01 Unit

Sr. No.	Name of the Equipment	Quantity
14	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
15	LIBSYS (In Linux Platform with Internet embedded Version)	01
16	Windows 2003 server with 5 client license	01
17	RFID Gates (2 EAS Pedestals having 3 integrated antennas and controller – Model LSP3 Clear	01 Unit
18	LSmart-RFID Staff Station with LSmart-Client S/w compatible with LIBSYS LMS RFID Reader LSA2-SHD Antenna LSmart-Client Software	01 Unit
19	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
20	LSOpac Touch Screen Kiosk	01 Unit
21	Quick Heal Anti Virus Software (license)	15

**Other Details:**

The expenditure incurred during the year under report on the Books and Journals was Rs.2,60,13,353.00 (LOC Fund)

In addition to LOC fund an amount of Rs. 12,81,600.00 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 facilitates to industrialists/individuals surrounding the Surat city as individual members and also to the industrial organizations and institutions as institutional members against membership fees.

**9.3 LABORATORIES :****APPLIED CHEMISTRY DEPARTMENT**

Following labs are there in the Department of Applied Chemistry:

- 01 Chemistry Laboratory for UG (01) and PG(01)
- 02 Synthetic Lab
- 03 Sophisticated Instrument Lab
- 04 Computer Laboratory

**APPLIED MATHEMATICS AND HUMANITIES DEPARTMENT**

Following labs are there in the Department of Computer Engineering

- 01 Computer Laboratories for M.Sc. students
- 02 Computer Laboratories for Ph.D. students

**APPLIED MECHANICS DEPARTMENT**

Following labs are there in the Department of Applied Mechanics

- 01 Soil Mechanics & Foundation Engineering Laboratory
- 02 Engineering Mechanics Laboratory
- 03 Experimental Stress Analysis
- 04 Strength of Material Laboratory
- 05 Cement and Concrete Laboratory
- 06 Prestressed Concrete Laboratory
- 07 Heavy Structures Laboratory
- 08 Computer Laboratory
- 09 Structural Dynamics Laboratory

**CHEMICAL ENGINEERING DEPARTMENT**

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

- 01 Heat Transfer
- 02 Fluid Flow Operations
- 03 Mass Transfer Operations
- 04 Chemical Reaction Engineering
- 05 General Chemical Technology
- 06 Process Equipment Design and Drawing
- 07 Instrumentation and Process Control
- 08 Mechanical Operations
- 09 Safety and Pollution Control in Chemical Process Industries

**CIVIL ENGINEERING DEPARTMENT**

Following labs are there in the Department of Civil Engineering

- 01 Water Resources Engineering Lab
- 02 Computational Hydraulics Lab
- 03 Geospatial Technologies Lab
- 04 Environmental Engineering Lab
- 05 Transportation Engineering Lab
- 06 Computer Lab
- 07 Surveying Lab
- 08 Planning Studio
- 09 Models, Building Materials & Geology Lab
- 10 Traffic Simulation Lab

**COMPUTER ENGINEERING DEPARTMENT**

Following labs are there in the Department of Computer Engineering

- 01 Programming Laboratory
- 02 Network & Systems Laboratory
- 03 Microprocessor & Interfacing Laboratory
- 04 System & Software Laboratory
- 05 Information Security & Cloud Computing Research Laboratory
- 06 M.Tech. Project Laboratory
- 07 M.Tech. Dissertation Laboratory
- 08 Beginners Programming Laboratory
- 09 Database and Formal Software Laboratory

**ELECTRICAL ENGINEERING DEPARTMENT**

Following labs are there in the Department of Electrical Engineering :

- 01 Computer Lab
- 02 Control Lab
- 03 Testing Lab
- 04 Measurement Lab
- 05 Power Electronics Lab
- 06 Power System Lab
- 07 ET Lab
- 08 Project Lab
- 09 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

- 01 Electronics Circuit Laboratory
- 02 Electronics System Design Laboratory
- 03 Communication Laboratory
- 04 Digital & Microprocessor Laboratory
- 05 VLSI Design Laboratory
- 06 Computer Systems Laboratory
- 07 Project Laboratory
- 08 Simulation Laboratory

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

- 01 Basic Electronics Lab
- 02 VLSI Lab
- 03 Microcontroller and Embedded System
- 04 Electronics System Design Lab
- 05 Digital Circuit Lab
- 06 Basic Communication Lab
- 07 RF and Circuit Design Lab
- 08 Advance Research Lab
- 09 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

- 01 Fuels and Lubricants
- 02 Metallurgy
- 03 Dynamics
- 04 C.A.D.
- 05 Reverse Engineering
- 06 A.S.E.
- 07 Robotics
- 08 I.C.A.E.
- 09 Fluid Mechanics & Fluid Machines
- 10 Refrigeration and Air Conditioning
- 11 Boiler House & Heat Transfer
- 12 Cryogenics
- 13 Tribo-maint
- 14 Turbo Machines
- 15 Industrial Automation
- 16 Sophisticated Instrument Centre
- 17 Reacting Gas Dynamics
- 18 Advanced Fluid Dynamics
- 19 C.I.M.
- 20 Metal Forming
- 21 Simulation
- 22 Metrology
- 23 Workshop
- 24 Advanced Manufacturing

**APPLIED PHYSICS DEPARTMENT**

Following labs are there in the Department of Applied Physics

- 01 B.Tech. Laboratory
- 02 M.Sc. Electronics Laboratory
- 03 Research Laboratory
- 04 Nuclear Laboratory
- 05 Space Physics Laboratory
- 06 Stimulation Laboratory
- 07 M.Sc. Computer Laboratory
- 08 Material Science Laboratory
- 09 Modern Optics & Physics Laboratory
- 10 Nanotechnology Laboratory
- 11 Spectroscopy Lab
- 12 Thin Film Deposition Lab
- 13 Material Physics Lab
- 14 Condensed Matter Lab

## 10.1 Achievements took place during the reporting year 2016-17

### (i) Publication in the International Journals:

APPLIED CHEMISTRY DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Singh R.; Kumari P. ; Kumar S. Nanotechnology for enhanced bioactivity of Bioactive phytochemicals, Nanotechnology in Food Industry Volume V: Nutrient delivery in GrumezescuAlexandruEds., Elsevier, 413-456, 2017.
02	K. A. Shah, K. C. Maheria, J. K. Parikh, <u>Effect of reaction parameters on the catalytic transesterification of cottonseed oil using silica sulfuric acid</u> , Energy Sources, Part A: Recovery, Utilization, and Environmental Effects, 38 (10), 1470-1477, 2016.
03	D. R. Bhatt, K. C. Maheria, J. K. Parikh, <u>Separation of toxic coralene red dye using ionic liquid with triton X-114</u> , Environmental Progress & Sustainable Energy, 35 (3), 692-699, 2016.
04	Sunita Barot, Kalpana C. Maheria, Rajib Bandyopadhyay, "Synthesis of SAPO-34 molecular sieves by varying synthetic parameters and study of its effect on Biginelli reaction", J. Mater. Environ. Sci. 7 (3) 899-906, 2016.
05	D. R. Bhatt, K. C. Maheria, J. K. Parikh, "Determination of thermodynamics and design parameters for Ionic Liquid induced cloud point extraction of Coralene red dye", Int. J. Environ. Sci. Technol. (2016) 13:589-598
06	Kuwar, Anil; Torawane, Pritam D; Keshav, Karunesh; Kumawat, Mukesh Kumar; Srivastava, Rohit; Sahoo, Suban K; Borse, Amulrao Uttamrao, A novel terephthalaldehyde based turn-on fluorescent chemosensor for Cu <sup>2+</sup> and its application in living cells imaging, Photochemical and Photobiological Sciences, 2017, 16, 1464-1470, 2017.
07	Bothra, Shilpa; Paira, Priyankar; Kumar, SK; Kumar, Rajender; Sahoo, Suban K; Vitamin B6 Cofactor-Conjugated Polyethyleneimine-Passivated Silver Nanoclusters for Fluorescent Sensing of Zn <sup>2+</sup> and Cd <sup>2+</sup> Using Chemically Modified Cellulose Strips, Chemistry Select, 2, 6023-6029, 2017.
08	Suban K Sahoo, Gi-Dong Kim, Heung-Jin Choi, Optical sensing of anions using C3v-symmetric tripodal receptors, Journal of Photochemistry and Photobiology C, 27, 30-53, 2016.
09	Madhuri K Pawar, Kundan C Tayade, Suban K Sahoo, Pramod P Mahulikar, Anil S Kuwar, Bhushan L Chaudhari, Selective ciprofloxacin antibiotic detection by fluorescent siderophorepyoverdin, Biosensors and Bioelectronics, 81, 274-279, 2016.
10	Kundan C Tayade, B. Bondhopadhyay, K. Keshav, Suban K Sahoo, Anupam Basu, Jasminder Singh, Narinder Singh, Deelip Nehete, Anil Kuwar, A novel Zinc (II) and Hydrogen sulphate selective fluorescent "turn-on" chemosensor based on isonicotiamide: INHIBIT type's logic gate and application in cancer cell imaging, Analyst, 141, 1814-1821, 2016.
11	Suban K Sahoo, Darshna Sharma, Anuradha Moirangthem, Aman Kuba, Rini Thomas, Rajender Kumar, Anil Kuwar, Heung-Jin Choi, AnupamBasu, Pyridoxal derived chemosensor for chromogenic sensing of Cu <sup>2+</sup> and fluorogenic sensing of Fe <sup>3+</sup> in semi-aqueous medium, Journal of Luminescence, 172, 297-303, 2016.
12	Darshna Sharma, Aman Kuba, Rini Thomas, SK Ashok Kumar, Anil Kuwar, Heung-Jin Choi, Suban K Sahoo, Acetate selective fluorescent turn-on sensors derived using vitamin B 6 cofactor pyridoxal-5-phosphate, Spectrochimica Acta A, 157, 110-115, 2016.
13	PritamTorawane, KundanTayade, ShilpaBothra, Suban K Sahoo, Narinder Singh, AmulraoBorse, Anil Kuwar, A highly selective and sensitive fluorescent 'turn-on'chemosensor for Al <sup>3+</sup> based on C=N isomerisation mechanism with nanomolar detection, Sensors and Actuators B: Chem., 222, 562-566, 2016.
14	Darshna Sharma, Aman Kuba, Rini Thomas, Rajender Kumar, Heung-Jin Choi, Suban K Sahoo, An aqueous friendly chemosensor derived from vitamin B 6 cofactor for colorimetric sensing of Cu <sup>2+</sup> and fluorescent turn-off sensing of Fe <sup>3+</sup> , Spectrochimica

APPLIED CHEMISTRY DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Acta A, 153, 393-396, 2016.
15	Jin-Oh Park, Suban K Sahoo, Heung-Jin Choi, Design, synthesis and <sup>1</sup> H NMR study of C <sub>3v</sub> -symmetric anion receptors with urethane-NH as recognition group, A, 153, 199-205, 2016.
16	Won Kim, Suban K Sahoo, Gi-Dong Kim, Heung-Jin Choi, C <sub>3v</sub> -symmetric anion receptors with guanidine recognition motifs for ratiometric sensing of fluoride, RSC Adv., 10, 7872-7878, 2016.
17	Mahendra Sonawane, Kundan Tayade, Suban K Sahoo, Chatur P Sawant, Anil Kuwar, A new lawsoneazo-dye for optical sensing of Fe <sup>3+</sup> and Cu <sup>2+</sup> and their DFT study, Journal of Coordination Chemistry, 69, 2785-2792, 2016.
18	B. R. Jigna, S. Jha, R. K. Singhal and K. Suresh Kumar, Synthesis of water dispersible fluorescent carbon nanocrystals from <i>Syzygiumcumini</i> fruits for the detection of Fe <sup>3+</sup> ion in water and biological samples and imaging of <i>Fusariumavenaceum</i> cells, Journal of Fluorescence, Volume 27, 125–134, 2017.
19	V. N. Mehta, S. S. Chettiar, B. R. Jigna, K. Suresh Kumar and R. M. Patel, Green synthetic approach for synthesis of fluorescent carbon dots for lisinopril drug delivery system and their confirmations in the cells, Journal of Fluorescence, Volume 27, 111–124, 2017.
20	K. Suresh Kumar, Jignesh V. Rohit, Tuning of gold nanoparticles analytical applications with nitro and hydroxy benzylindole-dithiocarbamates for simple and selective detection of terbufos and thiacloprid insecticides in environmental samples, Colloids and Surfaces A: Physicochemical and Engineering Aspects, 515, pp 50–61, 2017.
21	K.A. Rawat, J.R. Bhamore, R. K. Singhal, K. Suresh Kumar, Microwave assisted synthesis of tyrosine protected gold nanoparticles for dual (colorimetric and fluorimetric) detection of spermine and spermidine in biological samples, Biosensors and Bioelectronics, 88, 71-77, 2017.
22	J. V. Rohit, R. K. Singhal, K. Suresh Kumar, Dithiocarbamate-calix[4]arene functionalized gold nanoparticles as a selective and sensitive colorimetric probe for assay of metsulfuron-methyl herbicide via non-covalent interactions, Sensors and Actuators B Chemical, 237, 1044–1055, 2016.
23	J. V. Rohit, H. Basu, R. K. Singhal, K. Suresh Kumar, Development of p-nitroanilinedithiocarbamate capped gold nanoparticles-based microvolume UV-visible spectrometric method for facile and selective detection of quinalphos insecticide in environmental samples, Sensors and Actuators B Chemical, 237, 826–835, 2016.
24	S. L. D'souza, B. Deshmukh, K.A. Rawat, J. R. Bhamore, N. Lenka and K. Suresh Kumar, Fluorescent carbon dots derived from vancomycin for flutamide drug delivery and cell imaging, New Journal of Chemistry, 40, 7075 – 7083, 2016.
25	Karuna A. Rawat, R. K. Singhal and K. Suresh Kumar, Colorimetric and fluorescence "turn-on" methods for the sensitive detection of bromelain using carbon dots functionalized gold nanoparticles as a dual probe, RSC Advances, 6, 32025–32036, 2016.
26	Bharat Dholakiya, Cutting cost technology for the preparation of biodiesel using environmentally benign and cheaper catalyst. Catalysis Letters, 146:2313-2323, 2016.
27	Bharat Dholakiya, Design, Synthesis and Comparative Study of Anti-Microbial Activities on Barbituric Acid and Thiobarbituric Acid based Chalcone Derivatives Bearing the Pyrimidine Nucleus. Chemical Sciences Journal, 7:2 <a href="http://dx.doi.org/10.4172/2150-3494.1000126">http://dx.doi.org/10.4172/2150-3494.1000126</a> , 2016.
28	Bharat Dholakiya, Influence of organic corrosion inhibitors on the corrosion performance of organic-inorganic hybrid coatings applied on aluminium alloy. Research on Chemical Intermediates, 42 (2), 545-557 DOI: 10.1007/s11164-015-2040-3:2015, 2016.
29	Nimisha Singh, Khushbu Patel, Jyotsna M Nayak, Jyoti Yadav, Suban K Sahoo, Rajender Kumar, A New Methodology for Detection and Assessment of Nitric Oxide in Biological Samples, Chemistry Select, 2, 8483-8485, 2017.
30	Singh,N.; Patel,K.; Sahoo, S.K.; Pati,R.; Kumar,R., Gastrointestinal tract mechanism of

APPLIED CHEMISTRY DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	nitrite capture modeled on the self assembled monolayer of thioproline for electrochemical nitrite determination. <i>Journal of Material Chemistry A</i> , 5, 3389–3403, 2017.
31	Synergism and aggregation behavior in aqueous binary mixture of cationic-zwitterionic surfactants: Physico-chemical characterization with molecular simulation approach. B. Kanoje, S. Padshala, J. Parikh, S. Sahoo, K. Kuperkar, P. Bahadur, <i>Physical Chemistry Chemical Physics</i> , 20, 670, 2018.
32	Morphology modification in freshly precipitated Calcium Carbonate particles using polymer-surfactant template, B. Kanoje, D. Patel, K. Kuperkar. <i>Materials Letters</i> , 187, 44-48, 2017.
33	Mixed micellization study of alkyltrimethylammonium and alkyltriphenylphosphonium bromides in aqueous solution, S. Padasala, B. Kanoje, K. Kuperkar, P. Bahadur. <i>J. Surfact. Deterg.</i> 19(2) 389-398, 2016.
34	S. Padasala, K. Kuperkar, P. Bahadur, Solubilization study of water-insoluble dye in cationic single/dimeric surfactant micelles: Effect of head group, non polar tail, spacer chain in aqueous and salt solution, <i>Coloration Technology</i> 132(3), 217-221, 2016.
35	Sargam M Rajput, Utkarsh U More, Zuber S Vaid, Kamlesh D Prajapati, Naved I Malek, Impact of organic solvents on the micellization and interfacial behavior of ionic liquid based surfactants, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 507, 182-189, 2016. DOI:10.1016/j.colsurfa.2016.08.008.
36	Heta Patel, Zuber S. Vaid, Utkarsh U. More, Sushma P. Ijardar, Naved I. Malek, Thermophysical, acoustic and optical properties of binary mixtures of imidazolium based ionic liquids + polyethylene glycol, <i>Journal of Chemical Thermodynamics</i> , 99, 40-53, 2016.
37	Zuber S Vaid, Utkarsh U More, Shantilal B Oswal, Naved I Malek, Experimental and theoretical excess molar properties of imidazolium based ionic liquids with isomers of butanol, <i>Thermochimica Acta</i> , 634, 38-47, 2016. DOI: 10.1016/j.tca.2016.03.026.
38	Anuji K. Vasua, Jagadish Katla, Naved I. Malek, Sriram Kanvah, Influence of imidazolium ionic liquids on fluorescence of push-pull diphenylbutadienes, <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 321 (1) 55-62, 2016. DOI:10.1016/j.jphotochem.2016.01.015.
39	Zubin R. Master, Zuber S. Vaid, Utkarsh U. More, Naved I Malek, Molecular interaction study through experimental and theoretical volumetric, transport and refractive properties of N-ethylaniline with aryl and alkyl ethers at several temperatures. <i>Physics and Chemistry of Liquids</i> , 54 (2) 223-244, 2016. DOI: 10.1080/00319104.2015.1074047.
40	Naved I. Malek, Sushma P. Ijardar, Binary mixtures of ([C <sub>4</sub> mim][NTf <sub>2</sub> ] + molecular organic solvents): Thermophysical, acoustic and transport properties at various compositions and temperatures. <i>Journal of Chemical Thermodynamics</i> , 93, 75-85, 2016.
41	Pankaj Bharmoria, Tushar J Trivedi, Naved I Malek, Arvind Kumar, Tuning the physicochemical properties of protic-aprotic ionic liquids upon reciprocal binary mixing, <i>Indian Journal of Chemistry-A</i> , 55, 544-553, 2016.
42	U. More, P. Kumari, Z. Vaid, and K. Behera, Naved I Malek, Interaction between Ionic Liquids and Gemini Surfactant: A Detailed Investigation into the Role of Ionic Liquids in Modifying Properties of Aqueous Gemini Surfactant, <i>Journal of Surfactants and Detergents</i> , 75-89 19 (1) 75-89, 2016.



APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Ratnamala Badge & Neeru Adlakha , Two-dimensional finite element model to study the effect of water flux on the nitrate dynamics in the rhizosphere of a maize root, International Journal of Biomathematics , World Scientific, 10 (04), 1750058,2017
02	Babita Kumari and Neeru Adlakha, Three-dimensional finite element model to study temperature distribution in peripheral layers of human limbs immediately after physical exercise,International Journal of Biomathematics , World Scientific, 10 (04), 1750053, 2017
03	Mansha Kotwani & Neeru Adlakha, Modeling of endoplasmic reticulum and plasma membrane Ca <sup>2+</sup> uptake and release fluxes with excess buffer approximation (EBA) in fibroblast cell, International Journal of Computational Materials Science and Engineering, World Scientific, 2017
04	Babita Kumari and Neeru Adlakha , Two-Dimensional Finite Element Model To Study Thermo Biomechanics In Peripheral Regions Of Human Limbs Due To Exercise In Cold Climate , Journal of Mechanics in Medicine and Biology, World Scientific, 2017
05	A Makrariya & Neeru Adlakha, Thermal Patterns in Peripheral Regions of Breast during Different Stages of Development, Biology and Medicine 9 (1), 1, 2017
06	A Makrariya & Neeru Adlakha, Quantitative Study of Thermal Disturbances Due to Nonuniformly Perfused Tumors in Peripheral Regions of Women's Breast , Cancer Informatics, SAGE Publications, 2017
07	Chhaya Singh and Neeru Adlakha , Fuzzy Classification and Regression Tree Method for the Prediction of Conformational Epitope, Journal of Advanced Bioinformatics Applications and Research, BioIT , Vol 8, Issue1, pp1-6, 2017
08	Ratnamala Badge & Neeru Adlakha, Galerkin Finite Element Model to Study Macro Nutrient Dynamics in the Rhizosphere of the Maize Root, GAMS Journal of Mathematical and Bio-mathematical Sciences, GAMS, 2017, Accepted for Publication.
09	<b>Anita Ravi Tailor<sup>1*</sup> and Jayesh M. Dhodiya<sup>1</sup></b> , Genetic algorithm based hybrid approach to solve fuzzy multi-objective assignment problem using exponential membership function, Springer Plus, VOL 5(1), 2028, 2017, DOI: 10.1186/s40064-016-3685-0.
10	<b>Anita Ravi Tailor<sup>1*</sup> and Jayesh M. Dhodiya</b> , Genetic Algorithm Based Hybrid Approach to Solve Optimistic, Most-likely and Pessimistic Scenarios of Fuzzy Multi-objective Assignment Problem Using Exponential Membership Function, British Journal of Mathematics & Computer Science, ISSN: 2231-0851, Vol.: 17, Issue.: 2, pp. 1-19 DOI : 10.9734/BJMCS/2016/26988
11	<b>Anita Ravi Tailor<sup>1*</sup> and Jayesh M. Dhodiya</b> , A Genetic Algorithm based Hybrid Approach to Solve Multi-objective Interval Assignment Problem by Estimation Theory, Indian Journal of Science and Technology, ISSN (Print) : 0974-6846 ISSN (Online) : 0974-5645, Volume 9, Issue 35, September 2016 DOI: 10.17485/ijst/2016/v9i35/94506
12	<b>Jignasha G. Patel, Jayesh M. Dhodiya</b> , Solving multi-objective interval transportation problem using grey situation decision-making theory based on grey number, International Journal of Pure and Applied Mathematics, ISSN 1311-8080 (PRINTED VERSION), ISSN 1314-3395 (ON-LINE VERSION), Volume 113, No. 2 (2017)
13	<b>Jignasha G. Patel, Jayesh M. Dhodiya</b> " n-parties contract based Transportation problem and its solution, International journal of engineering research and application, VOL-7, Issue-6, June 201

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
14	Bulsara H. P., Qureshi M. N. and Patel H. (2016). Green Supply chain performance measurement – An exploratory study. <i>International Journal of Logistics Systems and Management</i> , Inderscience, 23(4), 476-498. (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.45)
15	Dhingra, Vaishali, S., Bulsara, Hemantkumar, P., Gandhi, Shailesh (2016). Foreign Institutional Investments in India: An Empirical Analysis of Determinants, <i>International Journal of Applied Business and Economic Research</i> , 14(6), 4399-4418. (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.11)
16	Trivedi, K., & Bulsara, H.P. (2016). A Study Of Choice Of Retail Formats For Purchase Of Fruits And Vegetables Based On Demographic Variables Of Gujarat, India, <i>International Journal of Economic Research</i> , 13(3), 829-840  (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.123)
17	Bulsara, H.P., & Trivedi, K. (2016). A Conceptual Review Towards Presence Of Different Retail Formats In India, <i>AshEse Journal of Business Management</i> , 2(1), 064-070
18	Bulsara, H. P., & Trivedi, K. (2016). An Exploratory study of factors related to Consumer Behaviour towards purchase of Fruits and Vegetables from different Retail Formats. <i>Journal Of Research In Marketing</i> , 6(1), 397-406
19	Bulsara Hemantkumar P., Alok Kumar, Rakesh Kumar, Krupesh A. Chauhan (2016), Principle Factors for Success of Traditional Vs. PPP Road Projects in India. <i>International Journal of Applied Business and Economic Research</i> , 14 (6), 3575-3590. (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.11)
20	Desai H. A. and Bulsara H.P. (2016). A Study of Effects of Demographic Variables on Sources of Information in Financial Investment Decision. <i>International Journal of Applied Business and Economic Research</i> , 14 (6), 3465-3484.  (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.11)
21	T R Singh, The Modified Homotopy Algorithm for Dispersion Phenomenon,  <i>International Journal of Applied and Computational Mathematics</i> Published online  17 June 2017, DOI 10.1007/s40819-017-0382-9.
22	T R Singh, The combined approach to obtain approximate analytical solution of instability phenomenon arising in secondary oil recovery process, <i>Comp. Appl. Math.</i>  DOI 10.1007/s40314-017-0534-x Springer
23	Urvashi Kaushal. "Understanding the Migrant experience through Neil Bissoondath's <i>On the Eve of Uncertain Tomorrows</i> , in IUP Journal of English Studies Vol. XI No.3 September 2016. p 7-15.
24	Urvashi Kaushal. "Empowering Engineering Students through Employability Skills" in <i>Higher Learning Research Communications</i> , Vol. 6, No. 4, December 2016. Online.
25	Ajay Kumar, Sushil Kumar, V. K. Katiyar and Shirley Telles, Phase change heat transfer during cryosurgery of lung cancer using hyperbolic heat conduction model, <i>Computer in Biology and Medicine</i> , Volume 84, 1May 2107, pp 20-29
26	Subhanshu Goyal, Sushil Kumar, M. A. Zaveri, A. K. Shukla, Fuzzy Similarity Measure

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Based Spectral Clustering Framework for Noisy Image Segmentation, International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol. 25, No. 4 (2017) 649–673
27	HS Patel, R Meher, Simulation of Fingering Phenomena in Fluid Flow through Fracture Porous Media with Inclination and Gravitational Effect, Journal of Applied Fluid Mechanic, volume 9, no. 6, pp.3135 - 3145, 2016. (SCI Journal and ISI impact factor 0.888)
28	T.V Patel, R Meher, Adomian decomposition Sumudu transform method for solving a solid and porous fin with temperature dependent internal heat generation, Springer Plus, 5(489), 2016. DOI: 10.1186/s40064-016-2106-8. (SCI Journal and ISI impact factor 0.982)
29	H. Patel and R. Meher, Analytical Investigation of Jeffery-Hamel Flow by Modified Adomian Decomposition Method, Ain Shams Engineering Journal, 2016, <a href="http://dx.doi.org/10.1016/j.asej.2016.02.007">http://dx.doi.org/10.1016/j.asej.2016.02.007</a> .(SCOPUS and ESCI)
30	H. Patel and R. Meher, A Study on Recovery Rate for Counter-Current Imbibition Phenomenon with Corey's Model Arising during Oil Recovery Process, Applied Mathematics & Information Sciences, volume 10, no. 5, pp. 1877-1884, 2016.(SCOPUS)
31	T. Patel and R. Meher, A Study on Fin Efficiency Analysis of Convective Straight Fins with Temperature Dependent Thermal Conductivity by using Adomian Decomposition Sumudu Transform Method, International Journal of Pure and Applied Mathematics, 110(2), 311-326, 2016. <b>(SCOPUS)</b>
32	H. Patel and R. Meher, Application of Homotopy Analysis Method for the soliton solution of Cubic Boussinesq equation and Boussinesq-Burger equation, <u>Communications in Applied Analysis</u> Vol.20,No.3 (2016), 379-396. <b>(SCOPUS)</b>
33	H. Patel and R. Meher, Approximate Analytical Study of Counter-Current Imbibition Phenomenon in a Heterogeneous Porous Media, Applied Mathematical Sciences, Vol. 10, 2016, no. 14, 673 – 681. <b>(SCOPUS)</b>
34	R. Meher, Analytical treatment and convergence of the Adomian decomposition method for fingero-imbibition phenomena arising during oil recovery process, Mathematical Sciences Letters, Vol. 5(3), 2016.
35	H. Patel and R. Meher, Application of Laplace Adomian Decomposition Method for the soliton solutions of Boussinesq-Burger equations, International Journal of Advances in Applied Mathematics and Mechanics, Vol.3(2), pp.50-58,2016.
36	T. Patel and R. Meher, Adomian Decomposition Sumudu Transform Method for Solving Fully Nonlinear Fractional Order Power-Law Fin-Type Problems, International Journal of Mathematics and Computation, Vol. 27(2),pp-7-16,2016 <sup>[11]</sup> <sub>SEP.</sub>
37	H. Patel and R. Meher, Application of modified Adomian decomposition method for solving higher order boundary value problem, International Journal of Mathematics and Computation, Vol. 27(3), pp.120-131, 2016.
38	Shukla, S., Gopal, D., Martínez-Moreno, J., Some fixed point theorems in 1-M-complete fuzzy metric-like spaces (45), International Journal of General Systems (SCI), 2016.
39	Shukla, S., Gopal, D., Rodríguez-López, R., Fuzzy-Prešić-Ćirić Operators and

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Applications to Certain Nonlinear Differential Equations (21), Mathematical Modelling and Analysis (SCI), 2016.
40	Lakzian, H., Gopal, D., Sintunavarat, W., New fixed point results for mappings of contractive type with an application to nonlinear fractional differential equations (18), Journal of Fixed Point Theory and Applications (SCI), 2016.
41	Gopal, D., Abbas, M., Patel, D.K., Vetro, C., Fixed points of $\alpha$ -type F-contractive mappings with an application to nonlinear fractional differential equation (36), Acta Mathematica Scientia (SCI), 2016.
42	Komal, S., Kumam, P., Gopal, D., Best proximity point for Z-contraction and Suzuki type Z-contraction mappings with an application to fractional calculus (17), Applied General Topology (Scopus), 2016.
43	Ravi Borana., Vikas Pradhan, Manoj Mehta 'Numerical solution of instability phenomenon arising in double phase flow through inclined homogeneous porous media', Perspectives in Science, Science Direct, Elsevier, 8, 225-227, 2016.
44	A. C. Patel and V. H. Pradhan, Numerical solution of one dimensional contaminant transport equation with variable coefficient (temporal) by using Haar wavelet, Global Journal of Pure and Applied Mathematics, ISSN 0973-1768, Vol. 12, July-2016, pp. 1283-1292
45	Amruta R. Daga, Vikas H. Pradhan, Approximate analytical solution for water infiltration problem in unsaturated soil, International Journal on recent and innovation trends in computing and communication, Vol., issue , July,2016

APPLIED PHYSICS DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Zalak Shah, K Thakkar, Ajay Kumar Rai, Excited state mass spectra of doubly heavy baryons The European Physical Journal C, 76, 530, 2016
02	Z Shah, K Thakkar, A K Rai, PC Vinodkumar, Mass spectra and Regge trajectories of, $\Lambda_c^+$ , $\Sigma_c^0$ , $\Xi_c^0$ and $\Omega_c^0$ baryons, Chinese physics C, 40, 123102, 2016
03	Zalak Shah, K Thakkar, A K Rai, P C Vinodkumar, Excited State Mass spectra of Singly Charmed Baryons, The European Physical Journal A, 52, 313, 2016
04	PANDA Collaboration paper (Dr. A. K Rai is member of this group) Feasibility studies of time-like proton electromagnetic form factors at PANDA at FAIR The European Physical Journal A, 52, 325, 2016
05	PANDA Collaboration paper (Dr. A. K Rai is member of this group), Study of doubly strange systems using stored antiprotons, Nuclear Physics A, 954, 323, 2016
06	DP Rathaud, AK Rai, Mass spectra of dimesonic states in light flavour sector Indian Journal of Physics, 90, 1299, 2016
07	Authors: E. V. Shah, C. M. Patel and D. R. Roy*, Structure, Electronic, Optical and thermodynamic behavior on the Polymerization of PMMA: A DFT Investigation, Ref. Comp. Biol. Chem. (Elsevier Science) 72 (2018) 192-198. ISSN: 1476-9271, SCI I. F.: 1.331 (2016)
08	Anomalous Variation in GPS TEC, Land and Ocean Parameters Prior to 3 Earthquakes Kunvar Yadav, Sheetal P Karia, Kamlesh N Pathak, ActaGeophysica, 2016, 64(1), 43-60
09	Removal of solar radiation effect based on nonlinear data processing technique for Seismo-Ionospheric Anomaly before few earthquakes, Kunvar Shardaprasad Yadav, Sheetal Piyush Karia, Kamlesh Nikulkumar Pathak, Geomatics, Natural Hazards and Risk, 2016, 7(3), 1147-1161
10	GPS-TEC Variation during Low to High Solar Activity Period (2010-2014) under the

APPLIED PHYSICS DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Northern Crest of Indian Equatorial Ionization Anomaly Region Nilesh C Patel, Sheetal P Karia, Kamlesh N Pathak, Positioning, 2016, 8(2), 13-35
11	KK Patel, D Shah, Influence of Deposition Parameters on Cadmium Sulphide Thin Films Grown by Chemical Bath Deposition, Advanced Science Letters, 22, 1071, 2016, 1.253
12	K Siddhapara, D Shah, Effect of Transition Metal (Fe, Mn) Ion Doping on TiO <sub>2</sub> Nano Particles, Advanced Science Letters, 22, 911, 2016, 1.253
13	Kirit Siddhapara, Dimple Shah, Study of Photocatalytic activity and Magnetic properties of Co, Mn metal ions doped Nanocrystalline TiO <sub>2</sub> prepared by Sol-Gel Method Journal of Crystal Growth, 452, 158, 2016, 1.462
14	Hozefa Tinwalaa, Patij Shah, Kirit Siddhapara, Dimple Shah, Jyoti Menghani, Investigation of Ionic conductivity of Lanthanum Cerium Oxide Nano Crystalline powder synthesized by co-precipitation method, Journal of Crystal Growth, 452, 54, 2016, 1.462
15	Authors: E. V. Shah and D. R. Roy* Title: Sc <sub>3</sub> N and Sc <sub>2</sub> C <sub>2</sub> Encapsulated B40: Smarter than its Carbon Analogue Ref. Physica E (Elsevier Science) 84 (2016) 354-360.
16	Authors: V. Kumar, M. Shaikh and D. R. Roy* Title: 2D and Bulk h-MgSe Materials from MgmSen(m,n=1-3) Clusters: Density Functional Investigation Ref. J. Alloys Comp. (Elsevier Science) 687 (2016) 30-34.
17	Authors: D. R. Roy*, M. Shaikh and V. Kumar Title: In <sub>4</sub> Mg <sub>3</sub> in In <sub>x</sub> Mg <sub>3</sub> (x=1-6) series: A magic unit for future smart materials Ref. Nanosystems: Phys. Chem. Math. (ITMOU, Russia) 7 (2016) 592–594.
18	Authors: M. Shaikh, V. Kumar and D. R. Roy* Title: BemSn (m,n=1-3) Clusters to Hexagonal BeS Material: A Density Functional Study Ref. Nano Res. Appl. (iMedPub, USA), Editorial Invited Article, 2(1) (2016) 1-11.
19	Authors: R O Sharma, L K Saini* and B P Bahuguna Title: Ground state properties of electron-hole bilayer: Mass asymmetric effect Ref. Physical Review B 94 (90), 205435 (2016).
20	Authors: B P Bahuguna, L K Saini* and R O Sharma Title: Electric Field induced insulator to metal transition in a buckled GaAs monolayer Ref. RSC Advances 6 (58), 52920-52924 (2016)
21	Janki Shah, Sanjeev K. Gupta, Yogesh Sonvane and VipulDavariya, Review: Enhancing efficiency of solar thermal engineering systems by thermophysical properties of a promising nanofluids, Renewable and Sustainable Energy Reviews, 77, 1343 (2017) (Impact factor: 8.050) [pdf]
22	Prabal Dev Bhuyan, Deobrat Singh, ShivamKansara, Pritam Yadav, Sanjeev K. Gupta, Yogesh Sonvane, Sanjeeb K. Rout, Ela Sinha, Experimental and theoretical analysis of electronic and optical properties of MgWO <sub>4</sub> , Journal of Materials Science, 52, 4934 (2017) (Impact factor: 2.599)[pdf]
23	3. H.R. Mahida, Deobrat Singh, Yogesh Sonvane, Sanjeev K. Gupta and P.B. Thakor, MgF <sub>2</sub> monolayer as an anti-reflecting material, Solid State Communications, 252, 22-28 (2017) (Impact factor: 1.554)[pdf]
24	A. V. Prajapati, Yogesh Sonvane, P. B. Thakor Atomic Transport Properties of Liquid Gallium and Indium, Physics and Chemistry of Liquids, 55, 570 (2017)(Impact factor: 1.145)[pdf]
25	A. V. Prajapati, Yogesh Sonvane, P. B. Thakor & H. P. Patel, Comparative study of electrical transport properties of liquid semiconductors – a theoretical approach, Physics and Chemistry of Liquids, Manuscript Accepted (2016)(Impact factor: 1.145)[pdf]
26	S. K. Gupta, Deobrat Singh, Kaptan Rajput and Yogesh Sonvane, Germanene: New Electronic Gas Sensing Material, RSC Advances, 6, 102264-102271 (2016)(Impact factor: 3.108)[pdf]
27	Vishwa Bhatt, Kavita Pandey, Sanjeev. K. Gupta, Yogesh Sonvane, Pankaj Yadav and Manoj Kumar, Photodynamic response of a solution-processed organolead halide

APPLIED PHYSICS DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	photodetector, RSC Advances, 6, 111942-111949 (2016)(Impact factor: 3.108)[pdf]
28	Kavita Pandey, Pankaj Yadav, Deobrat Singh, Sanjeev K. Gupta, Yogesh Sonvane, Igor Lukačević, Joondong Kim & Manoj Kumar, First step to investigate nature of electronic states and transport in flower-like MoS <sub>2</sub> : Combining experimental studies with computational calculations, Scientific Report (Nature Publication), 6, 32690 (2016) (Impact factor: 5.228)[pdf]
29	ShivamKansara, Deobrat Singh, Sanjeev K. Gupta, Yogesh Sonvane, Density functional Studies of structural, electronic and vibrational properties of palladium oxide, Solid State Communications, 245, 36–41 (2016)(Impact factor: 1.554) [pdf]
30	Deobrat Singh, Sanjeev Kumar Gupta, Yogesh Sonvane, Ashok Kumar and Rajeev Ahuja, 2D-HfS <sub>2</sub> as an efficient Photocatalyst for Water Splitting, Catalysis Science & Technology, 6, 6605-6614 (2016) (Impact factor: 5.773)[pdf]
31	Deobrat Singh, Sanjeev Kumar Gupta, Yogesh Sonvane and Igor Lukačević, Antimonene: a monolayer material for ultraviolet optic nanodevices, Journal of Materials Chemistry C, 4, 6386 (2016) (Impact factor: 5.773)[pdf]
32	Deobrat Singh, Sanjeev Kumar Gupta, Igor Lukačević and Yogesh Sonvane, Indiene 2D Monolayer: a New Nanoelectronic Material, RSC Advances, 6, 8006 (2016). (Impact factor: 3.108)[pdf]
33	Deobrat Singh, ShivamKansara, Yogesh Sonvane, P. B. Thakor, Thermal Conductivity and Thermoelectric Power of Some Transition Metals in Liquid Phase, Advanced Science Letters, 22, 11, 3944-3947, (2016) (Impact factor: 1.253). [pdf]
34	Yogesh Sonvane, Deobrat Singh, Sanjeev Gupta, ShivamKansara, Temperature and Size Dependent Thermal Conductivity of Graphene Nanoribbons Description for Phonon Dispersion and Polarization, Advanced Science Letters, 22, 3916-3918 (2016). (Impact factor: 1.253)[pdf]

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
1	Dr. Jayantilal N. Patel and Manisha Desai, Optimum Diameter of Groundwater Recharge Well in Conjunction with Storm Water Drainage System, KSCE Journal of Civil Engineering, <b>Springer</b> , doi: 10.1007/s12205-017-3045-9, Vol. 22, No. 2, February 2018 PP 859-867
2	Smita Varade and Dr. Jayantilal N. Patel, Development of empirical formula for recharge estimation for basaltic areas, ISH Journal of Hydraulic Engineering, Taylor and Francis, Vol. 24, No. 1, January 2018 PP 68-73
3	Smita Varade and Dr. Jayantilal N. Patel, Estimation of change in groundwater storage and draft from rainfall to achieve good irrigation practices, ISH Journal of Hydraulic Engineering, Taylor and Francis, Vol. 24, No. 1, January 2018 PP 100-104
4	Smita Varade and Dr. Jayantilal N. Patel, Determination of Optimum Cropping Pattern Using Advanced Optimization Algorithms, ASCE's Journal of Hydrologic Engineering, Vol -23, No- 6, 2018, PP 1-9
5	Manisha Desai and Dr. Jayantilal Patel, Integrated Rainwater Drainage System for Groundwater Improvement and Economic Benefits, Journal of Science and Technology Manuscript ID JST-0901-2017.R1, Vol 26, No 2 PP 763-784
6	Manisha Desai and Dr. Jayantilal Patel, Assessment of Future Groundwater Quality Using GIS for Bhimrad Area of Surat City (India) , International Journal of Hydrology Science and Technology, Paper ID IJHST 172215, Accepted on 12-12-2017
7	Pranita N. Balve and Dr. Jayantilal N. Patel, Optimization of Multireservoir Operation Policy using Teaching-Learning Based Optimization (TLBO) Algorithm, Journal of Science and Technology Manuscript ID JST-0898-2017.R2, Accepted on 17-01-2018
8	Pawan N. Bhavsar and Dr. Jayantilal N. Patel, Event Based Rainfall Runoff Modeling and

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Uncertainty Analysis for Lower Tapi Basin, India, ISH Journal of Hydraulic Engineering, Published on 03-05-2018 pp 1-10
9	Sharma, P. J., Patel, P. L., & Jothiprakash, V., Efficient discretization of state variables in stochastic dynamic programming model of Ukai reservoir, India, <i>ISH Journal of Hydraulic Engineering</i> , 22(3), 293-304.
10	Mirajkar, A. B., & Patel, P. L., Multiobjective Two-Phase fuzzy optimization approaches in management of water resources, <i>Journal of Water Resources Planning and Management</i> , 142(11), 04016046.
11	J.E.M. Macwan, Digant Pastagia," Residential Green building: A Parametric Evaluation of Leading national consultants." Int. J. of Civil Engg and Tech. Vol 8 Nov 2017
12	J.E.M. Macwan, Hecson Christian," Landfill site selection through GIS approach for fast growing urban area." Int. J. of Civil Engg and Tech. Vol 8 Nov 2017
13	J.E.M. Macwan," Assesment of Urban Land management polices by analytical hierarchical process" Int. J. of Civil Engg and Tech. Vol 8 Nov 2017
14	J.E.M. Macwan, Digant pastagia," Development of Fuzzy rating Model for Residential Green Buildings based on Pre-occupancy and post-occupancy parameters. IJCIET Vol 8 Oct. 2017
15	J.E.M. Macwan, Petkar Arti," Identifying Urban zonal preferences" Int J. ICE Vol 170 Issue 1 Feb 2017 PP 1-22.
16	J.E.M. Macwan, Hecson Christian," Fuzzy Ranking for Landfill site selection in Indian Context" Int Jornal of GEOMET Oct.2016 vol 11,issue 26 pp2576-2580
17	Randhavane S B, Anjali K Khambete, "Hydrodynamic Cavitation: An approach to Degrade Chlorpyrifos Pesticide from Real Effluent", <i>KSCE Journal of Civil Engineering</i> , 2017, DOI: 10.1007/s12205-017-2045-0.
18	Randhavane S B, Anjali K. Khambete, "Harnessing Hydroxyl Radical Generated by Hydrodynamic Cavitation Reactor in Simultaneous Removal of Chlorpyrifos Pesticide and COD from Aqueous Solution", <i>Desalination and Water Treatment</i> , 2017, 82, 346–354. doi: 10.5004/dwt.2017.20965.
19	Randhavane S B, A.K.Khambete, "Pesticide Industry: A General Insight", <i>International Journal of Modern Trends in Engineering and Research</i> , 2016, 4, Vol.3, 395-402.
20	Randhavane S B. and Khambete A. K., "Chlorpyrifos: An Emerging Contaminant in Natural Environment and Treatment methods: Mini Review", <i>Ecology, Environment and Conservation</i> .(SCOPUS indexed) Vol 1,2018 Accepted on June 15, 2017.
21	Randhavane S B. and Khambete A. K.; "Hydrodynamic Cavitation: A Novel Treatment Approach", <i>Materials Today's: Proceedings</i> (SCOPUS indexed) Accepted on June 27, 2017.
22	Khambete A.K and Christian R. A., "Statistical analysis to identify the main parameters to effecting WWQI of sewage treatment plant and predicting BOD", <i>International Journal of Research in Engineering and Technology</i> ; (IJRET); 2017;e ISSN: Page 186-194.2319-1163pISSN:- 7308.
23	Rakesh Kumar and Radha Gonawala, "Laboratory study on the effects of GBFS and Lime stabilizers in subgrade layers for expansive soil", <i>International Journal of Earth Sciences and Engineering</i> , Vol 10. No.06 pp 1201-1205, 2016.
24	Manjurali I. Balya, Rakesh Kumar, "Proposed Integrated Bicycle Feeder Mode Service Analysis for Bus Rapid Transit System- A Multinomial Logit Model Approach", <i>International Journal for Traffic and Transport Engineering</i> , DOI: 10.7708/ijtte.2017.7(1).08, 7 (1) 108-116, 2017.
25	Feeder Mode Choice Modeling for Proposed Integrated Public Transit Service of Ahmedabad City: A Case Study, <i>World Review of Intermodal Transportation Research (WRITR)</i> , Inderscience, (SCOPUS-Elsevier), Vol. 6, No. 3, 177-192, 2017,
26	Manjurali I. Balya, Rakesh Kumar , "Impact of para-transit travel time reliability on urban mobility: a case study", <i>World Review of Intermodal Transportation Research (WRITR)</i> ,



CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Inderscience, (SCOPUS-Elsevier), DOI: 10.1504/WRITR.2017.10003648, 6(2) 93-109, 2017 Rakesh Kumar and Fatima Electricwala
27	Rakesh Kumar, Vinod Kumar, and Sunny Deol, "Comparative studies of lightweight deflectometer and Benkelman beam deflectometer in low volume roads", Journal of Traffic and Transportation Engineering, Science Direct, 3 (5): 438-447, 2016.
28	Rakesh Kumar and Fatima Electricwala, "Impact of Green Shading on Urban Bus Stop Structure, <i>IEEE Xplore</i> , IEEE, DOI 10.1109/CICT.2016.128, page no 616-623, 2016.
29	Kadhbhane SJ, Manekar V L, (2017). "An experimental study on the grape orchard: comparison of two irrigation systems." Journal of Water and Land Development, Vol. 32 (I - III), 41-51, Mar 1, 2017.
30	Kadhbhane S J and Manekar V L, (2017). "Development of the agro-climatic grape yield model for the Nashik district, India" Journal of Agrometeorology, Vol. 19(1), 88-89, Mar 2017.
31	Rathod P, Manekar V. L. (2017). "Estimation of Pan Evaporation and Actual Evapotranspiration Using GIS and Remote Sensing". Development of Water Resources in India 2017 (pp. 233-244). Springer, Cham.
32	Bharadiya N, Manekar V (2017). "Agrometeorological Wheat Yield Prediction Models". Development of Water Resources in India 2017 (pp. 285-292). Springer, Cham.
33	Tandel B N and Macwan JEMM, "Road Traffic Noise Exposure and hearing impairment among policemen in Surat, Western India", Journal of Institution of Engineers (India), Series A (Springer), 98(1-2):101–105.June 2017
34	Patel, D. A., and Jha, K. N. Developing a Process to Evaluate Construction Project Safety Hazard Index Using the Possibility Approach in India." Journal of Construction Engineering and Management, ASCE, 143(1),2017
35	Patel, D.A., and Jha, K.N., Evaluation of construction projects based on the safe work behavior of co-employees through a neural network model, Safety Science, Elsevier,240-248, 2016
36	M Sonu, A Dhamaniya, S Arkatkar, G J Joshi, Time occupancy as measure of PCU at four legged roundabouts, Transportation Letters, 1-12, 2016
37	S Jiten, J Gaurang, P Purnima, S Arkatkar, Effect of stairway width on pedestrian flow characteristics at railway stations, Transportation Letters 8 (2), 98-112, 2016
38	S Arkatkar, S Velmurugan, R Puvvala, B Ponnu, S Narula, Methodology for simulating heterogeneous traffic on expressways in developing countries: a case study in India,Transportation Letters 8 (2), 61-76, 2016
39	N Bharadwaj, P Kumar, S Arkatkar, A Maurya, G Joshi, Traffic data analysis using image processing technique on Delhi-Gurgaon expressway, Current Science (00113891) 110 (5), 2016
40	S Kurle, KNS Behara, JR Prasad, S Arkatkar, AK Sarkar, Study of Lane Utilization on Delhi-Gurgaon Expressway, Transportation Research Procedia 17, 674-684, 2016
41	C Shirke, GJ Joshi, V Kandala, SS Arkatkar, Transit Oriented Development and Its Impact on Level of Service of Roads & METRO: A Case Study of Mumbai Metro Line-I Transportation Research Procedia 25, 3035-3054, 2016
42	K Jha, N Sinha, SS Arkatkar, AK Sarkar, A comparative study on application of time series analysis for traffic forecasting in India: prospects and limitations, Current Science (00113891) 110 (3), 2016
43	JH Shah, GJ Joshi, PM Parida, SS Arkatkar, Determination of Pedestrian Level of Service for Undivided Stairways at Suburban Rail Stations in Developing Countries, Transportation Research Record: Journal of the Transportation Research Board, 2016
44	S Jiten, J Gaurang, S Arkatkar, P Purnima, Estimation of free speed of pedestrians flow on stairways at busy suburb rail transit station in India, Current Science, 2017



CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>Z.V.P. Murthy</b> and Mrigash Kumar Shah, Separation of Isopropyl Alcohol-Toluene Mixtures by Pervaporation using Poly(vinyl alcohol) Membrane, <b>Arabian Journal of Chemistry</b> , Vol.10 (Supplement 1) (2017) S56–S61.
02	Jibin Babu and <b>Z.V.P. Murthy</b> , Treatment of Textile Dyes Containing Wastewaters with PES/PVA Thin Film Composite Nanofiltration Membranes, <b>Separation and Purification Technology</b> , Vol.183 (2017) 66–72.
03	<b>V.N. Lad</b> and <b>Z.V.P. Murthy</b> , Breakup of Free Liquid Jets Influenced by External Mechanical Vibrations, <b>Fluid Dynamics Research</b> , Vol.49 (No.1) (2017) Article 015503.
04	Jainesh H. Jhaveri, <b>Chetan M. Patel</b> , and <b>Z.V.P. Murthy</b> , Preparation, Characterization and Application of GO-TiO <sub>2</sub> /PVC Mixed Matrix Membranes for Improvement in Performance, <b>Journal of Industrial and Engineering Chemistry</b> , Vol.52 (2017) 138–146.
05	<b>Jignasa N. Solanki</b> , Preeti S. Mishra and <b>Z. V.P. Murthy</b> , Enhanced Performance of DMFC Prepared by 10Cu/CeO <sub>2</sub> Catalyst and Nanocomposite SPVA Membranes with Layer-by-Layer Coating of Polyacrylic Acid and Chitosan, <b>International Journal of Hydrogen Energy</b> , Vol.42(No.18) (2017) 13198-13208.
06	Smitha Rajesh and <b>Z.V.P. Murthy</b> , Characterization of Antioxidant Incorporated Polymeric Blend Membrane Through <i>in situ</i> Incorporation Along with Surface Modification, <b>Desalination and Water Treatment</b> , Vol.76 (2017) 148-154.
07	Harshad R. Patil and <b>Z.V.P. Murthy</b> , A Sol-Gel Route to Synthesize Vanadium Doped Silica Through Ionic Liquid Control and Methylene Blue Degradation, <b>Chemical Engineering Research &amp; Design</b> , Vol.124 (2017) 134-144.
08	Saurabh C. Singh and <b>Z.V.P. Murthy</b> , Study of Cellulosic Fibres Morphological Features and Their Modifications Using Hemicelluloses, <b>Cellulose</b> , Vol.24 (No.8) (2017) 3119-3130.
09	Dharmesh H. Sur and <b>Mausumi Mukhopadhyay</b> , COD reduction of textile effluent in Three-phase fluidized bed bioreactor using Pseudomonas aureofaciens and Escherichia coli, <b>3 Biotech</b> , 7(2017), 141:1-11.
10	Nitu Kumari, <b>Jignasa V. Gohel</b> , <b>S. R. Patel</b> Multi-response optimization of ZnO thin films using Grey-Taguchi technique and development of a model using ANN, <b>Optik-International Journal for Light and Electron Optics</b> (2017) 144, 422-435.
11	Sanjay Srivastava, <b>G. C. Jadeja</b> , <b>Jigisha Parikh</b> , Synergism studies on alumina-supported copper-nickel catalysts towards furfural and 5-hydroxymethylfurfural hydrogenation, <b>Journal of Molecular Catalysis A: Chemical</b> , 426 2017 (Part A), 244-256.
12	T. Yadav, <b>A. A. Mungray</b> , <b>A.K. Mungray</b> , Effect of TiO <sub>2</sub> Nanoparticles on UASB Biomass Activity and Dewatered Sludge. <b>Environmental Technology</b> , Feb, 2017, 38(4), 413-423.
13	P. Kumar, <b>A. K. Mungray</b> , Microbial Fuel Cell: Optimizing pH of Anolyte and Catholyte by

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	using Taguchi Method. <b>Environmental Progress and Sustainable Energy</b> , 2017, 36(1), 120-128.
14	31. S.S. Rikame, <b>A.A. Mungray, A.K. Mungray</b> , Synthesis, characterization and application of phosphorylated fullerene/sulfonated polyvinyl alcohol (PFSP) composite cation exchange membrane for copper removal. <b>Separation and Purification Technology</b> , 177, 2017, 29-39.
15	Shilpa K. Nandwani, Naved I. Malek, <b>V. N. Lad, Mousumi Chakraborty</b> , Smita Gupta, Study on interfacial properties of Imidazolium ionic liquids as surfactant and their application in enhanced oil recovery, <b>Colloids and Surfaces A: Physicochemical and Engineering Aspects</b> 516, 2017, 383-393.
16	A B Madavi, S U Nandanwar, <b>M Chakraborty</b> , Kinetics study of a palladium–nickel colloidal nanocatalyst synthesized by a wet-chemical method for reduction of nitrophenol, nitroaniline, and 4-nitrobenzo-15-crown compounds, <b>Particulate Science and Technology</b> 35, 2017, 400-409.
17	Jainesh H. Jhaveri and <b>Z.V.P. Murthy</b> , Nanocomposite Membranes, <b>Desalination and Water Treatment</b> , Vol.57 (No.55) (2016) 26803–26819.
18	Smitha Rajesh and <b>Z.V.P. Murthy</b> , PSU/PET Copolymer Based Asymmetric Polymeric Membranes: Influence of Antioxidant, <b>Desalination and Water Treatment</b> , Vol.57 (No.55) (2016) 26820–26829.
19	Abhijeet H. Thaker , Mathew John, Kishore Kumar, Mahesh W. Kasture, Snehalkumar Parmar, Bharat L. Newalkar, and <b>Parimal A. Parikh</b> , Hydroisomerization of biomass derived n-hexadecane towards diesel pool: Effect of selective removal external surface sites from Pt/ZSM-22, <b>Int. J. Chem. React. Eng.</b> , 14(1) (2016)155-165.
20	Gedela Ashok Kumar Naidu, <b>Smita Gupta, Mousumi Chakraborty</b> , Application of pseudo-emulsion-based hollow fiber strip dispersion for the extraction of p-nitrophenol from aqueous solutions, <b>Environmental Technology</b> , 37(22) (2016) 2924-2934.
21	P. Pokhalekar, <b>M. Chakraborty</b> , Degradation of bisphenol A and 4-tert-octylphenol: a comparison between ultrasonic and photocatalytic technique, <b>Desalination and Water Treatment</b> , 57 (22) (2016) 10370-10377.
22	S. U. Nandanwar, A. A. Dabbawala, <b>M. Chakraborty</b> , H. C. Bajaj, S. Mukhopadhyay and K. T. Shenoy, Partial hydrogenation of benzene to cyclohexene over Ru/ $\gamma$ -Al <sub>2</sub> O <sub>3</sub> nanocatalyst via w/o microemulsion using boric acid and ethanolamine additives, <b>Research on Chemical Intermediates</b> , 42 (2)(2016) 1557-1569.
23	J.M. Barad, S.U. Nandanwar, <b>M. Chakraborty</b> , Selection of microemulsion composition via study of phase behavior for synthesis of stable monodisperse platinum nanoparticles and optimization of experimental parameters, <b>Particulate Science and Technology</b> , 30 (2016) 533-542.
24	A.N. Raut, S.U. Nandanwar, Y.R. Suryawanshi, <b>M. Chakraborty</b> , S. Jauhari, Liquid phase selective hydrogenation of phenol to cyclohexanone over Ru/Al <sub>2</sub> O <sub>3</sub> nanocatalyst under

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	mild conditions, <b>Kinetics and Catalysis</b> , 57 (1) (2016) 39-46.
25	R.N. Mehta, U. More, N. Malek, <b>M. Chakraborty, P.A. Parikh</b> , Study of stability and thermodynamic properties of water-in-diesel nanoemulsion fuels with nano-Al additive, <b>Applied Nanoscience</b> , 5 (8) (2016) 891-900.
26	<b>C.M. Patel, M. Chakraborty, Z.V.P. Murthy</b> , Fast and scalable preparation of starch nanoparticles by stirred media milling, <b>Advanced Powder Technology</b> 27 (4)(2016)1287-1294.
	Preeti Dauthal and <b>Mausumi Mukhopadhyay</b> , Noble metal nanoparticles: Plant mediated synthesis, mechanistic aspects of synthesis and applications, <b>Industrial and Engineering Chemistry Research</b> . 55(2016), 9557–9577.
27	<b>V. N. Lad</b> , Swati Ralekar, 2016. Controlled evacuation using the biocompatible and energy efficient microfluidic ejector. <b>Biomed. Microdevices</b> 18 (5), 2016, 96.
28	<b>V. N. Lad, Z. V. P. Murthy</b> , Effects of the geometric orientations of the nozzle exit on the breakup of free liquid jet, <b>Journal of Mechanical Science and Technology</b> 30 (4), 2016, 1625-1630.
29	P. Pardeshi, <b>A. A. Mungray, A. K. Mungray</b> . Determination of optimum conditions in forward osmosis using a combined Taguchi-Neural approach <b>Chemical Engineering Research and Design</b> , May 2016, 109, 215-225.
30	T. Yadav, <b>A. A. Mungray, A. K. Mungray</b> , Effect of Multi-walled Carbon Nanotubes on UASB Microbial Consortium. <b>Environmental Science and Pollution Research</b> , 23(5), 2016, 4063-4072.
31	Y. N. Thakare, S. S. Shewale and <b>A. K. Jana</b> , Experimental Investigation and modeling of copper ion adsorption in packed and expanded bed, <b>Chemical Engineering and Processing: Process Intensification</b> , Vol. 109, (2016) 51-58.
32	<b>S. R. Patel</b> , Drug delivery with porous silicon films, microparticles, and nanoparticles, <b>Reviews of advanced materials science</b> , 44 (2016) 257-272.
33	Miral R. Thakker, <b>Jigisha K. Parikh, Meghal A. Desai</b> , "Microwave assisted extraction of essential oil from the leaves of palmarosa: Multi-response optimization and predictive modelling", <b>Industrial Crops and Products</b> , 86, 2016 311-319.
34	<b>Jignasa N. Solanki</b> , Preeti S. Mishra and <b>ZV.P. Murthy</b> , In Situ Prepared TiO <sub>2</sub> Nanoparticles Crosslinked Sulfonated PVA Membranes with High Proton Conductivity for DMFC, <b>Química Nova</b> , Vol.39 (No.6) (2016) 704-711.
35	Ramesh Nakka, <b>Alka A. Mungray</b> Biodegradable and biocompatible temperature sensitive triblock copolymer hydrogels as draw agents for forward osmosis, <b>Separation and Purification Technology</b> , 168(2016) 83–92.

COMPUTER ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Jagannath Nirmal, Mukesh Zaveri, Suprava Patnaik and Pramod Kachare, "Novel Approach of MFCC based Alignment and WD-Residual Modification for Voice Conversion Using RBF", Elsevier Journal of Neurocomputing, Sept 2016.
02	N S Kapadia, D P Rana, U Parikh, "Weather Forecasting using Satellite Image Processing and Artificial Neural Networks", International Journal of Computer Science and Information Security, (IJCSIS), Vol. 14 (11), pp. 1069, 2016
03	Udai Pratap Rao, Nikhil Kumar Singh, "Weighted Role Based Data Dependency Approach for Intrusion Detection in Database", International Journal of Network Security, Vol.19, No.3, PP.358-370, 2017
04	Macwan, K. R., & Patel, S. J. (2017). k-Degree anonymity model for social network data publishing. <i>Advances in Electrical and Computer Engineering</i> , 17(4), 117-125.

ELECTRONICS ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Rahul Yadav, Piyush N. Patel, "EBG-inspired reconfigurable patch antenna for frequency diversity application," <i>International Journal of Electronics and Communications (AEU)</i> , vol. 76, pp. 52-59, March-2017. (Publisher: Elsevier, SCI IF: 1.147)
02	Rahul Yadav, Piyush N. Patel, "Development of a MPBG-Inspired Probe for Detection of Low pKa Value Drug in Bio-Fluid," <i>IEEE Sensor Journal</i> . (Accepted) July
03	Dhananjay Patel, Vinay Kumar Singh, U. D. Dalal "Assessment of the DC Bias to Mitigate the Clipping Noise in DCO-OFDM, ACO-OFDM; and Non-linear Distortion of DFB Laser Transmitted through Dispersive Single Mode Fibers in IM/DD Systems' Wireless personal Communication, DOI 10.1007/s11277-017-4170-y, Springer Publication, Published online 21 April, 2017
04	Hemant S Goklani, Jignesh N Sarvaiya, Fahad Abdul "A Review on Image Reconstruction using compressed Sensing Algorithms: OMP, CoSaMP and NIHT" Accepted for publication in <i>International Journal of Image, Graphics and Signal Processing</i>
05	Kartikay Thakar, Divyang Kapadia Fenil Natali, Jignesh Sarvaiya "Implementation and analysis of template matching for image registration on DevKit-8500D, <i>Optik - International Journal for Light and Electron Optics</i> , Elsevier, Volume 130, February 2017, Pages 935-944, ELSEVIER Science Citation Index (SCI)
06	Gambhir M., Gupta S., John P., Mahakud R., Kumar J. and Prakash O., "Detection of fungi using a long-period fibre grating", <i>Ukr. J. Phys. Opt.</i> , Volume 18, Issue 2, pp. 77-82, March 2017. (SCIE)
07	Chintan A. Parmar, Bhaskar Ramanadham, Anand D. Darji "FPGA implementation of hardware efficient adaptive filter robust to impulsive noise" <i>IET Computers &amp; Digital Techniques</i> , doi: 10.1049/iet-cdt.2016.0067
08	R Rana Chandrakanth, K Inamdar, A.H. Lalluwadia, "Study design and analysis of U shaped metamaterial absorber for X-band application.", <i>IUP journal of telecommunication</i> , Volume 8 Issue 1 pg 23-37
09	Tazeen Shaikh, Golak Santra, Novel Tree Shaped Fractal Dielectric Resonator Antenna, 3rd International Conference on Electrical, Electronics, Engineering Trends, Communication, Optimization and Sciences (EEECOS)
10	Rasika Dhavse, Kumar Prashant, Chetan Dabhi, Anand Darji, R. M. Patrikar, "Modified ITAT Model for Data Retention in Nanocrystals Based Flash Memory Gate Stack", <i>TTP Journal of Nano Research</i> , Thomson Reuters SCI Indexed, January 2017, Vol. 45, pp.1-11, doi:10.4028/www.scientific.net/JNanoR.45.1
11	Golak Santra and Bratin Ghosh, "A coaxial fed solid half conical monopole antenna for multiple wireless and satellite communications," <i>International Conference on Radar, Antenna, Microwave, Electronics, and Telecommunications</i> , pp.102-104, October, 2016
12	Rahul Yadav, Piyush N. Patel, "Experimental Study of Adulteration Detection in Fish-Oil Using Novel PDMS Cavity Bonded EBG Inspired Patch Sensor," <i>IEEE Sensors Journal</i> ,

ELECTRONICS ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
	vol. 16, no. 11, pp. 4354-4361, 2016.(Publisher: IEEE, SCI IF: 2.512)
13	Dr.P. N. Patel, Kumari, Ratnesh, "A low-cost dielectric spectroscopic system using metamaterial open horn-ring resonator-inspired BSF and detection circuitry", Applied Physics A, journal,vol.122,no.7,pp711,2016, doi:10.1007/s00339-016-0238
14	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal. "On the effect of the extinction ratio and the modulation index on optical up conversion using DSBSC modulation and transmitting over different fiber links." Optik-International Journal for Light and Electron Optics 127.24 (2016): 11845-11853
15	M. J. Shah and Upena Dalal, "SDME Quality Measure Based Stopping criteria For Iterative Deblurring Algorithms" (IJACSA) International Journal of Advanced Computer Science and Applications Vol. 7, No. 10, 2016, eISSN : 2156-5570 impact factor-0.63 DOI: 10.14569/IJACSA.2016.071027 6.
16	Bholebawa IZ, U D Dalal, "Performance Analysis of Proposed OpenFlow-Based Network Architecture Using Mininet", WIRELESS PERSONAL COMMUNICATIONS journal 86, 943-958, (2016).
17	N. N. Shah, U. D. Dalal, "Hardware Efficient Double Diamond Search Block Matching Algorithm for Fast Video Motion Estimation," Springer Journal of Signal Processing Systems, vol 82, no 01, 2016. DOI: 10.1007/s11265-015-0993-5.
18	N. N. Shah, H. Singapuri, U. D. Dalal, "Hardware Efficient Architecture with Variable Block Size for Motion Estimation," Journal of Electrical and Computer Engineering, vol. 2016, Article ID 5091519, 11 pages, 2016. DOI:10.1155/2016/5091519
19	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal; "Performance evaluation of optical OFDM in direct detected systems based on MZM bias and drive voltages." Journal of Telecommunication Systems, Springer US: p-p.1-11; 2017
20	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal. "Analysis of second order harmonic distortion due to transmitter non-linearity and chromatic and modal dispersion of optical OFDM SSB modulated signals in SMF-MMF fiber links." Elsevier, Optics Communications Vol. 383; p-p. 294-303; 2017
21	Patel Dhananjay, and U. D. Dalal; "A novel wavelength reused bidirectional RoF-WDM-PON architecture to mitigate reflection and Rayleigh backscattered noise in multi-Gb/s m-QAM OFDM SSB upstream and downstream transmission over a single fiber." Elsevier, Optics Communications Vol. 390; p-p.26-35; 2017
22	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal. "Performance analysis of single sideband modulation technique using Mach Zehnder Modulator based on different phase angles of electrical hybrid coupler." Optik-International Journal for Light and Electron Optics; Vol 128;p-p. 93-100 ;2017
23	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal. "Chirped and Chirped Free Optical OFDM MMW Generation with Direct Detection to Overcome Fiber Chromatic Dispersion and MZM Non Linearity." Journal of Optoelectronics and Advance Materials (JOAM), Vol. 19, No. 5 - 6, May – June 2017, p. 336 – 340.

ELECTRICAL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
01	Deepak M. Sonje, <b>P. Kundu</b> and <b>A. Chowdhury</b> , Intelligent approach for multiple bearing fault detection in three phase induction motor using random forest algorithm, Accepted in Journal of Interdisciplinary and multidisciplinary research., 2017
02	Deepak M. Sonje, <b>P. Kundu</b> and <b>A. Chowdhury</b> , Extended version A Novel Approach for Multi Class Fault Diagnosis in Induction Machine Based on Statistical Time Features and Random Forest Classifier, IOP, Materials Science and Engineering, 2017
03	Dhruvesh M Mehta, <b>P. Kundu</b> , <b>A Chowdhury</b> , VK Lakhiani, AS Jhala A review of critical evaluation of natural ester vis-a-vis mineral oil insulating liquid for use in transformers:

ELECTRICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Part II,IEEE Transactions on Dielectrics and Electrical Insulation, Vol.23,Issue 3,Pages 1705-1712,2016
04	Dhruvesh M Mehta, <b>P Kundu</b> , <b>A Chowdhury</b> , VK Lakhiani, AS Jhala A review of critical evaluation of natural ester vis-a-vis mineral oil insulating liquid for use in transformers: Part I,IEEE Transactions on Dielectrics and Electrical Insulation, Vol.23,Issue 2,Pages 873-880, 2016
05	Balaji G Gawalwad and <b>Shambhu N Sharma</b> ,Coloured noise analysis of a phase-locked loop system: beyond Itô and Stratonovich stochastic calculi, Differential Equations and Dynamical Systems: Mathematics and Statistics (An International Journal for Theory, Applications, Computer Simulations), vol 24 (2), 231-245, 2016.MR 2242909 DOI: 10.1007/s12591-014-0212-z.
06	Ravish H Hirpara and <b>Shambhu N Sharma</b> , On the stochastic filtering theory of a power system dynamics,Transactions of the Institute of Systems, Control and Information Engineers,vol. 29, no 1, 09-17, 2016. <a href="http://www.iscie.or.jp/e/?Transactions">http://www.iscie.or.jp/e/?Transactions</a>
07	Balaji G Gawalwad and <b>Shambhu N Sharma</b> , On a non-linear electronic circuit filtering, Circuits, Systems and Signal Processing (CSSP) Journal, vol 35, issue 2, pp 459-480, February 2016. <a href="http://link.springer.com/article/10.1007/s00034-015-0070-0">http://link.springer.com/article/10.1007/s00034-015-0070-0</a>
08	MK Das, AM Kulkarni, <b>P B Darji</b> , "Comparison of DQ and Dynamic Phasor based frequency scanning analysis of grid-connected Power Electronic Systems,"Power Systems Computation Conference (PSCC), 2016
09	Ashok Parmar and P B Darji, "Optimum capacity allocation and pricing in energy and capacity market by particle swarm optimizer," 7th International Conference on Power Systems (ICPS), 2017
10	M Dixit, <b>P Kundu</b> , <b>H R Jariwala</b> , Incorporation of distributed generation and shunt capacitor in radial distribution system for techno-economic benefits, - Engineering Science and Technology, an International Journal,Vol. 20(2) (Feb. 2017): 482-493.
11	Mukul Dixit, <b>Prasanta Kundu</b> , <b>Hitesh R. Jariwala</b> , Gbest-guided artificial bee colony algorithm based simultaneous placement of distributed generation and shunt capacitor in distribution networks, DOI: 10.1504/IJPELEC.2018.10008122 International Journal of Power Electronics Inderscience, In Press
12	Deepak M. Sonje, <b>P. Kundu</b> , and <b>A. Chowdhury</b> , " Intelligent Approach for Multiple Bearing Fault Detection in Three Phase Induction Motor using Random Forest Algorithm", accepted for publication in Journal of Interdisciplinary and Multidisciplinary Research, Scientific Journal International, vol.11(7), pp.87-98, 2017.
13	Deepak M. Sonje, <b>P. Kundu</b> , and A. Chowdhury, "A Novel Approach for Multi-Class Fault Diagnosis in Induction Machine Based on Statistical Time Features and Random Forest classifier", IOP: Material Science and Engineering, 225 (2017) 012141.
14	M Dixit, <b>P Kundu</b> , HR Jariwala, Incorporation of distributed generation and shunt capacitor in radial distribution system for techno-economic benefits, - Engineering Science and Technology, an International Journal,Vol. 20(2) (Feb. 2017): 482-493.
15	<b>Sabha Raj Arya</b> and NunsavathSharath Kumar, "Grid connected fuel cell based distributed power generation system,"Journal of GreenEngineering, vol. 7, no.1 and 2, pp. 285-310, January 2017.
16	B. R. Ananthapadmanabha, <b>Rakesh Maurya</b> , <b>Sabha Raj Arya</b> and B. ChittiBabu, "Electric Vehicle battery charger with improved power quality Cuk- Derived PFC converter,"Journal of Green Engineering, vol. 7,no.1 and 2,pp. 255-284, January 2017.
17	ShaikhMo.Suhel A, and <b>Rakesh Maurya</b> , "Modeling, Design and Analysis of Multi-Phase Induction Motor," International Journal of Power and Energy Conversion (Inderscience) vol. 8, no. 2, pp.186–203, 2017.
18	J. Bangarraju, V. Rajagopal, <b>Sabha Raj Arya</b> and B. Subhash, "Enhancement of PQ Using adaptive theory based improved linear tracer sinusoidal control strategy for DVR,"Journal of Green Engineering, vol. 7,no.1 and 2,pp. 189-212, January 2017.
19	<b>Sabha Raj Arya</b> , NunsavathSharath Kumar and B. R. Ananthapadmanabha, "Power

ELECTRICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	generation using fuel cell in the application of sensor power supply," Journal of Green Engineering, vol. 7,no.1 and 2,pp. 159-188, January 2017.
20	Papia Ray, <b>Sabha Raj Arya</b> and ShobhitNandkeolyar, " Electric load forecasts by metaheuristic based back propagation approach," Journalof Green Engineering, vol. 7,no.1 and 2,pp. 61-82, January 2017.
21	Bhavina J. Patel and <b>Hiren G. Patel</b> , 'Advanced Model Based Control Strategy for Dynamic Dose of Propofol', International Journal of Control Theory and Applications, International Science Press , 9(39), pp. 55-62, 2016
22	N.G. Chothani, D.D. Patel, <b>K.D. Mistry</b> , " Support Vector Machine Based Classification of Current Transformer Saturation Phenomenon", J. Green Engineering River Publication, Vol., pp. 25-42., 2017

MECHANICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Sunil Kumar Pathak, Vineet Sood, Yograj Singh, S. A. Channiwala Real World Vehicle Emissions: Their Correlation with Driving International Journal of Transportation Research Part D Vol. 44 (2016), pp. 157-176 (Elsevier).
02	Dharti Parmar, Meha Setiya, Beena Baloni, S. A. Channiwala Flow Analysis of Subsonic and Supersonic Nozzles International Journal of Fluid Mechanics and Fluid Power – Contemporary Research, (2016), pp. 405-419.
03	Shah, S. P.; Channiwala, S. A.; Kulshreshtha, D. B.; Chaudhari, G Study of Flow Patterns in Radial and Back Swept Turbine Rotor under Design and Off-Design Conditions Journal of Applied Fluid Mechanics . 2016, Vol. 9 Issue 4, p1791-1798. 8p
04	R. V. Rao,Multi-objective optimization of machining and micro-machining processes using non-dominated sorting teaching-learning-based optimization algorithm Journal of Intelligent Manufacturing, 2016 DOI:10.1007/s10845-016-1210-5 ISSN: 0956-5515, <i>Springer</i>
05	R. V. Rao,A new algorithm for parameter optimization of nano-finishing processes Scientia Iranica Transaction on Industrial Engineering, 24(4) 2016, 868-875. ISSN: 1026-3098
06	R. V. Rao A new multi-objective Jaya algorithm for optimization of modern machining processes Advances in Production Engineering & Management 11(4) 2016, 271-286. ISSN: 1854-6250
07	R. V. Rao A multi-objective algorithm for optimization of modern machining processes Engineering Applications of Artificial Intelligence, 61 2017, 103-125.ISSN: 0952-1976 <i>Elsevier</i>
08	R. V. Rao Optimization of welding processes using quasi oppositional based Jaya algorithm Journal of Experimental and Theoretical Artificial Intelligence, 2017 DOI:10.1080/0952813X.2017. 1309692 ISSN: 1362-3079 <i>Taylor &amp; Francis</i>
09	R. V. Rao Optimization of submerged arc welding process using quasi oppositional based Jaya algorithm Journal of Mechanical Science and Technology, 31(5) 2017, 2013-2025.ISSN:976-3824 <i>Springer</i>
10	R. V. Rao A self-adaptive multi-population based Jaya algorithm for engineering optimization Swarm and Evolutionary Computation, 2017, <a href="https://doi.org/10.1016/j.swevo.2017.04.008">https://doi.org/10.1016/j.swevo.2017.04.008</a> ISSN: 2210-6502 <i>Elsevier</i>
11	R. V. Rao Design optimization and analysis of selected thermal devices using self-adaptive Jaya algorithm Energy Conversion and Management, 140 2017, 24-35. ISSN: 0196-8904 <i>Elsevier</i>
12	R. V. Rao Constrained economic optimization of shell-and-tube heat exchangers using elitist- Jaya algorithm Energy, 128 2017, 785-800. ISSN: 0360-5442 <i>Elsevier</i>
13	R. V. Rao Dimensional optimization of a micro-channel heat sink using Jaya algorithm Applied Thermal Engineering, 103 2016, 572-582. ISSN: 1359-4311 <i>Elsevier</i>



MECHANICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
14	R. V. Rao Economic optimization of shell-and-tube heat exchanger using Jaya algorithm with maintenance consideration Applied Thermal Engineering, 116 2017, 473-487. ISSN: 1359-4311 Elsevier
15	R. V. Rao Optimal design and analysis of mechanical draft cooling tower using improved Jaya algorithm International Journal of Refrigeration, <a href="https://doi.org/10.1016/j.ijrefrig.2017.06.024">https://doi.org/10.1016/j.ijrefrig.2017.06.024</a> ISSN: 0140-7007 Elsevier
16	R. V. Rao Multi-objective optimization of the Stirling heat engine through self-adaptive Jaya algorithm Journal of Renewable and Sustainable Energy, 9(3) 2017,033703. <a href="http://doi.org/10.1063/1.4987149">http://doi.org/10.1063/1.4987149</a> ISSN: 1941-7012 American Institute of Physics
17	R. V. Rao Multi-objective optimization of thermo-acoustic devices using teaching-learning-based optimization algorithm Science and Technology for the Built Environment, 2017 DOI: <a href="http://dx.doi.org/10.1080/23744731.2017.1296319">http://dx.doi.org/10.1080/23744731.2017.1296319</a> Taylor & Francis
18	R. V. Rao Multi-objective design optimization of heat exchangers using elitist-Jaya algorithm Energy Systems 2016, DOI: 10.1007/s12667-016-0221-9 ISSN: 1868-3967 Springer
19	R. V. Rao <u>Book Chapter</u> : Optimization of Advanced finishing processes using teaching-learning-based optimization algorithm Nanofinishing Science and Technology: Basic and Advanced Finishing Processes. Edited by V. K. Jain., 2016, CRC Press, Florida, USA.
20	Dr. T. N. Desai, Lean Six Sigma: A Categorized Review of the Literature International Journal of Lean Six Sigma Vol. 7, No. 1, 2016 (Emerald)- Scopus Indexed
21	Shaileshkumar Pandya, Kamlesh Meena, Aditya Kumar Optimization of Friction Stir Processing Parameters for 60/40 Brass using Taguchi Method Materials Today: Proceedings, Vol. 4(2), Page No.1978-1987, December 2017.
22	Dinesh Singh Experimentation investigation of abrasive water jet machining parameters using Taguchi and evolutionary optimization techniques Swarm and Evolutionary Computation, Vol. 32, pp. 167-183, 2017.
23	Dinesh Singh Unequal-area, fixed-shape facility layout problems using the firefly algorithm Engineering Optimization, Vol. 49, No. 7, pp. 1097–1115, 2017.
24	Jyoti Menghani, Akshay Govande, Satish More Investigation on Erosion Wear Behaviour of Cr2O3 Plasma spray coating and Ni based Hardfacing by Welding with Taguchi Approach IJMMT Modtech Romania ISSN 2067–3604 Vol.IX (2017), page no 45
25	Satish More, Dhanajay Bhat, Jyoti Menghani Study of Parametric performance of Solid particle Erosion wear under slurry pot test rig Tribology in Industry, Journal of Serbian tribology society Vol.39 (2017), page no 471
26	Dr. H.K. Dave Characterization and Modeling of Tool Electrode Wear during Planetary EDM of Titanium Grade 5 alloy International Journal of Manufacturing Technology and Management (Article in Press)
27	Dr. H.K. Dave Methodology for database development for electro discharge boring of aerospace material International Journal of Materials and Product Technology (Article in Press)
28	Dr. H.K. Dave Analysis of Dimensional inaccuracies in square cavities generated on Ti-6Al-4V using planetary EDM International Journal of Materials and Product Technology, 56(1-2), pp.108-134
29	Dr. H.K. Dave End wear compensation during planetary EDM of Ti-6Al-4V by adaptive neuro fuzzy inference system Production Engineering, 12(1), pp.1-10.
30	Beena Baloni & et al. Design, development and analysis of centrifugal blower Journal of the Institute of Engineers (India): Series C, Springer; DOI: 10.1007/s40032-017-0356-z
31	Dr. V. D. Kalyankar Simulation and design optimization of broach tool geometry for enhancing material removal rate International Journal of Simulation and Process Modelling Accepted on 25/01/2018



<b>MECHANICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
32	Dr. V. D. Kalyankar Recent status of overlay by plasma transferred arc welding technique International Journal of Materials and Product Technology Vol. 56. Pp. 23-83, 2017 DOI: 10.1504/IJMPT.2018.10009997
33	Dr. H. K. Raval An Investigation of Forces during Flow Forming Process International Journal of Modern Manufacturing Technologies, Vol. 8 (1), 2016
34	Dr. H. K. Raval Optimization of cutting rate and taper in bandsawing process using Taguchi and Desirability approach International Journal of Modern Manufacturing and Technology, Romania IJMMT Vol. VIII 2/2016. Dec.20,2016
35	Dr. H. K. Raval Machining of archimedean spiral by parametric programming International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. VIII, No. 2 / 2016
36	Dr. H. K. Raval A study on process parameters effect in hard turning of en24 steel using minimum quantity lubrication (MQL) International Journal of Modern Manufacturing Technologies ISSN 2067–3604, Vol. VIII, No. 2 / 2016
37	Dr. H. K. Raval Numerical Investigation on Effect of Leading (Attack) Angle during Single Roller Backward Flow Forming Process for AA6063 Computing in Mechanical Engineering, Research Publishing, Singapore, 2016, pp. 77-89 (ISBN: 978-981-09-6278-4)
38	Dr. H. K. Raval Investigating the effect of top arm angle on material removal rate and cut quality (Taper) in bandsaw cutting operation Journal of Manufacturing Engineering, Vol. 11, Issue-4, Dec 2016, pp 184-192
39	Dr. H. K. Raval CNC milling of planar curves using MACRO programming Journal of Manufacturing Engineering, Vol. 11/1, 2016, 13-19.
40	Dr. H. K. Raval CNC milling of impeller blade by MACRO programming Journal of Manufacturing Engineering. Vol. 11/3, 2016, 135-140.
41	Gorane, S. J. and Kant, Ravi A Case Study for Predicting the Success Possibility of Supply Chain Practices Implementation Using AHP Approach Journal of Business and Industrial Marketing, Vo. 31, No.2, pp. 137-161
42	Bhosale, V. A. and Kant, Ravi An Integrated ISM Fuzzy MICMAC Approach for Modelling the Supply Chain Knowledge Flow Enablers International Journal of Production Research, Vol. 54, No. 26, PP.7374-7399
43	Malviya, R. K., and Kant, Ravi Hybrid decision making approach to predict and measure the success possibility of green supply chain management implementation Journal of Cleaner Production, Vol.135, PP. 387-409
44	Patil, S. K. and Kant, Ravi Evaluating the impact of Knowledge Management adoption on Supply Chain performance by BSC-FANP approach: An empirical case study TÉKHNE - Review of Applied Management Studies, Vo. 14, PP. 52-74.
45	Bhosale, V. A. and Kant, Ravi Metadata analysis of knowledge management in supply chain: investigating the past and predicting the future Business Process Management

<b>MECHANICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
	Journal, Vo. 22, No. 1, PP. 140-172.
46	Gorane, S. J. and Kant, Ravi Supply Chain Practices- An Implementation Status in Indian Manufacturing Organizations Benchmarking: An International Journal, Vo. 23, No. 5, PP. 1076-1110.
47	Dalvi, M. V. and Kant, Ravi Development of a Instrument/Questionnaire to Assess Supplier Development Benefits, Criteria and Activities  International Journal of Procurement Management, Vo. 9, No. 6, PP. 637-658.
48	Malviya, R. K., Kant, Ravi, and Duttagupta, A. Identification of Critical Success Factors for Green Supply Chain Management Implementation International Journal of Logistics System and Management, Vol. 25, No. 4, PP. 474 – 512.
49	Malviya, R. K., and Kant, Ravi A Comprehensive Analysis of the Barriers of Green Supply Chain Management Implementation International Journal of Decision Sciences, Risk and Management, Vol. 6, No. 4, PP. 331-362.
50	Patil, S. K. and Kant, Ravi A fuzzy ANP-based approach for selection of knowledge management strategies to build resilient supply chain: An empirical case study  International Journal of Integrated Supply Management, Vol. 10, No. 2, PP. 173-205.
51	Hetal. K. Trivedi (Ph.D Scholar) Dr. D. V. Bhatt Effect of Lubricating Oil on Tribological behaviour in Pin on Disc Test Rig International Journal of Tribology in Industry, Vol. 39, pp. 90-99.
52	Sudhanshu Kumar, Harshit K. Dave, K. P. Desai Experimental investigation on performance of different tool movement strategies in EDM process for boring operation International Journal of Advanced Manufacturing Technology, 2016
53	Vratraj K. Joshi, K. P. Desai, H. K. Raval Machining of Archimedean Spiral by Parametric Programming International Journal of Modern Manufacturing Technologies, ISSN 2067-3604, Vol. VIII, No. 2 (2016)
54	Mathai V., Dave H., Desai K. Study on effect of process parameters on responses during planetary EDM of titanium grade 5 alloy International Journal of Modern Manufacturing, (2016)
55	Mathai V. J., Dave H. K., Desai K. P., Study on effect of process parameters on end wear of tool electrode during planetary EDM of Ti-6Al-4V” International Journal of Materials, Mechanics & Manufacturing, vol. 5 (3), pp. 159-163(2016)
56	Vratraj K. Joshi, Desai K. P., Raval H. K CNC Milling of Planar Curves using Macro Programming Journal of Manufacturing Engineering, Vol. 11, Issue 1 pp. 013-019, 2016
57	Mathai V., Dave H., Desai K Study on effect of tool motion strategies on tool wear characteristics during generation of non-circular cavities by electro discharge machining process International Journal of Machining and Machinability of Materials, (2016) Vol. 17 Issue 2

**(ii) Publication of Books :**

<b>APPLIED CHEMISTRY DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	K. Suresh Kumar, Jigneshkumar V. Rohit, Hui-Fen Wu, Combination of Thin-Layer Chromatography with Laser Desorption Ionization- and Electrospray Ionization- Mass Spectrometric Techniques for Screening of Organic Compounds” (Chapter 15) Teresa Kowalska, Joseph Sherma, MieczyslawSajewicz (Eds), Planar Chromatography - Mass Spectrometry, CRC Press/Taylor&Francis, FL, USA, Volume 110, Page No: 255 – 280, 2016.
02	K. Suresh Kumar, V. N. Mehta, N. Hassan, Hui-Fen Wu, “Applications of carbon dots in biosensing and cellular imaging” Chapter 11, A. M. Grumezescu (Eds) Multi-Volume SET (I-XI), Nanobiomaterials in Medical Imaging Applications of Nanobiomaterials Volume 8, Pages 339–364, Elsevier, DOI: 10.1016/B978-0-323-41736-5.00011-X, 2016.
03	Bharat Dholakiya, Chemistry of Barbiturates and Thiobarbiturates based Chalcones: Fluorinated Barbiturates and Thiobarbiturates. LAP Lambert Academic Publishing ISBN-13: 978-3-659-87091-0 ISBN-10: 3659870919, 2016.

<b>APPLIED MATHEMATICS &amp; HUMANITIES DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	Urvashi Kaushal, book review of “ <i>Contemporary Diasporic South Asian Women's Fiction: Gender, Narration and Globalisation</i> ” by Ruvani Ranasinha, Palgrave Macmillan 2016, ISBN 978-1-137-40305-6 published in <a href="http://www.grfdt.com/Publication_Details.aspx?Type=Book%20Review&amp;TabId=7056">http://www.grfdt.com/Publication_Details.aspx?Type=Book%20Review&amp;TabId=7056</a> publication date Saturday, Sep 17, 2016
02	Ramchandra Joshi and Urvashi Kaushal. Book review of “Parsis in India and the Diaspora” ed. John R. Hinnells and Alan Williams. <a href="http://www.grfdt.com/Publication_Details.aspx?Type=Book%20Review&amp;TabId=7049">http://www.grfdt.com/Publication_Details.aspx?Type=Book%20Review&amp;TabId=7049</a> Publication Date: Friday, Jul 08, 2016.
03	Urvashi Kaushal. Book Review of Sleeping on Jupiter by Anuradha Roy to Literati (A Peer- Reviewed journal Devoted to English Language & Literature) Summer & Winter (6.1&6.2) 2016. P- 126-128.

<b>APPLIED PHYSICS DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	NIL

<b>APPLIED MECHANICS DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	<b>Dr.Shruti J Shukla</b> Compacted clay liner with bentonite and black cotton soil Lampert Academic ,2017
02	<b>Dr.Shruti J Shukla</b> A Behavioural study of piled raft foundation for tall structure Lampert Academic,2017

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	Partha Tripathy, Krupesh A. Chauhan and Anjali K. Khambete Chapter 10 Smart City Project Selection, Prioritization, Customization and Implementation—Voice of Smart Citizens Case Study of Bhubaneswar, and Surat .Springer Nature Singapore Pte Ltd. 2017 T.M. Vinod Kumar (ed.), E-Democracy for Smart Cities, Advances in 21st Century; Human Settlements, DOI 10.1007/978-981-10-4035-1_10.ISSN: 2198-2546, ISBN: 978-981-10-4034-4.

02	Partha Tripathy; and Khambete A. K.; Chauhan Krupesh C.; "Title of Contribution: **Citizen Engagement in Project Selection, Prioritization, Customization & Implementation in Indian Smart Cities: Bhubaneswar & Surat, India"; Title of Book: E-Democracy for Smart Cities Editor(s) name(s): Prof. T.M. Vinod Kumar* ISBN 978-981-10-4034-4; - Published by Springer, Singapore -- DOI : 10.1007/978-981- 10-4035-1 -- the book details are in : <a href="http://www.springer.com/in/book/9789811040344">http://www.springer.com/in/book/9789811040344</a> Jun,2017.
03	Ahammed M M (2017) Water Treatment Municipal, Reference Module in Life Sciences, Elsevier, DOI10.1016/B978-0-12-809633-8.13125-5.
04	Dr. K. A. Chauhan, Application of Copper Slag as Optional Filler in Microsurfacing, International Journal of Civil Engineering (IJCE)
05	Dr. K. A. Chauhan, Application of Hydrated Lime as optional Filler in Microsurfacing, International Journal of Civil Engineering and Technology(IJCIET)

#### CHEMICAL ENGINEERING DEPARTMENT

No.	<i>*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	<b>Book Chapter: V. N. Lad and Z. V. P. Murthy</b> , Natural Materials as Additives in Food Emulsions, In Novel Approaches of Nanotechnology in Food, Nanotechnology in the Agri-Food Industry, Vol. 1, Ed. A. M. Grumezescu, Academic Press, Elsevier, Ch.4, 97-132, 2016.

#### COMPUTER ENGINEERING DEPARTMENT

No.	<i>*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	NIL

#### ELECTRONICS ENGINEERING DEPARTMENT

No.	<i>*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	Dr. (Mrs.) U.D.Dalal Wireless and Mobile Communication Oxford University Press Dr. Manoj K. Shukla

#### ELECTRICAL ENGINEERING DEPARTMENT

No.	<i>*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	<b>Mahmadasraf Mulla, Rajagopalan Chudamani, Anandita Chowdhury</b> , <i>Studies of Control Algorithms for Series Hybrid Active Power Filter</i> , LAP Lambert Academic Publishing, Germany, ISBN: 978-3-659-90333-5, 2016. <a href="https://www.morebooks.de/store/gb/book/studies-on-control-algorithms-for-series-hybrid-active-power-filter/isbn/978-3-659-90333-5">https://www.morebooks.de/store/gb/book/studies-on-control-algorithms-for-series-hybrid-active-power-filter/isbn/978-3-659-90333-5</a>

#### MECHANICAL ENGINEERING DEPARTMENT

No.	<i>*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	R. V. Rao Teaching-learning-based optimization and its engineering applications, <b>2016</b> , ISBN: 978-3-319-22731-3 Springer-International Publishing, Switzerland
02	Jyoti V. Menghani Thin Films and its Application ISBN No. 978-613-8-00706-7, Lambert Academic Publishing
03	Dr. H.K. Dave Sustainable Electro Discharge Machining Using Bio Oil as Dielectric Lambert Academic Publishing, ISBN: 978-330-32451-0
04	Pujara, A. Akashy and Kant, Ravi Operations Research (5 <sup>th</sup> Edition) Books India Publication House
05	Pujara, A. Akashy and Kant, Ravi Industrial Engineering (2 <sup>rd</sup> Edition) Books India Publication House
06	Pujara, A. Akashy and Kant, Ravi Energy Conservation & Management (3 <sup>th</sup> Edition) Books India Publication House

**(iii) Publication of National Journals:**

<b>APPLIED CHEMISTRY DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	S. Bothra and Suban K. Sahoo, A short overview on fluorescent nanoclusters and its application in sensing of metal ions, J. Indian Chem. Soc., 94, 1-8, 2017.
02	Bharat Dholakiya Effect of seed treatment on germination and flavonoids diversity in accessions of butterfly pea <i>Clitoria ternatea</i> . Indian Journal of Agricultural Sciences 86 (12): 1553–8, 2016.
03	Bharat Dholakiya Assessment of chemical diversity in <i>Clitoria ternatea</i> accessions by an improved and validated HPTLC method. Indian Journal of Agricultural Sciences 86 (9): 1133–9, 2016.
04	Bharat Dholakiya Extraction of Sapodilla Seeds Oil from Sapodilla Seeds and Study of Their Physico-Chemical Parameter. Journal of Applicable Chemistry 5(6), 1267-1275, 2016.
05	Sahoo, S.K.; Sharma, D.; Bothra, S.; Sutapa Mondal, S.; Kumar, R.; Kumar, S.K.; Nandre, J.; Patil, U.; Callan, J.; Pyridoxal derived chemosensor: Its application in anion sensing and molecular logic gate building. <i>Indian Journal of Chemistry</i> , 55 A, 44-50, 2016.

<b>APPLIED MATHEMATICS &amp; HUMANITIES DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	T R Singh, Solution of Burger's equation in a one-dimensional groundwater recharge by spreading using q-homotopy analysis method, European Journal of Pure and Applied Mathematics Vol. 9, No. 1, 114-124, 2016.
02	T R Singh, An Approximate Solution of $\theta$ -based Richards' Equation by Combination of New Integral Transform and Homotopy Perturbation Method, Journal of Nigerian Mathematical Society, Vol. 36(1), 85-100, 2017.
03	Urvashi Kaushal. "Women as Metaphor in Anita Rau Badami "Can you Hear the Night Bird Call and Shauna Singh Baldwin's What the Body Remembers" to RE-MARKINGS. Vol. 16 no.2 March 2017. Pp 86-91.

<b>APPLIED PHYSICS DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	NIL

<b>APPLIED MECHANICS DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	G. R. Vesmawala Mechanical Properties of Nano Concrete First structural Integrity Conference and Exhibition (SICE-2016) Bangalore
02	G. R. Vesmawala Effect of wrap thickness and ply orientation on cracking and failure of FRP wrapped columns First Structural Integrity Conference and Exhibition (SICE-2016) Bangalore
03	G. R. Vesmawala Identification of Delamination in Composite Beams Using Mode Shape Based Methods First Structural Integrity Conference and Exhibition (SICE-2016) Bangalore
04	G. R. Vesmawala Structural Damage Detection of Reinforced Concrete Slab Using Modal Characteristics First Structural Integrity Conference and Exhibition (SICE-2016) Bangalore
05	G. R. Vesmawala Ambient Vibration Testing of Ichchapore Bridge in Surat City International Conference on Innovative Trends in Civil Engineering for Sustainability (ICICES – 2016)
06	G. R. Vesmawala Experimental Studies on Slab Deck Type Bridge under Traffic Induced Vibration 10th Biennial Event, Structural Engineering Convention 2016, SEC-2016, IIT

APPLIED MECHANICS DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Madras
07	Dr. C D Modhera Experimental Study On The Strength Aspects Of M50 And M60 Grade Concrete Containing Waste Of Steel Making Industry International Conference On Materials Science & Technology At Delhi DOI: 10.5185/icmtech
08	Dr. C D Modhera Experimental Investigation On High Performance Concrete Containing Steel Industry Waste Focusing Rapid Chloride Penetration Test 42 <sup>nd</sup> Conference on Our World in Concrete & Structures, Proceeding, Singapore , pp. 151-158
09	Dr. C D Modhera Laboratory Investigation On The Mechanical Behavior Of Concrete Containing Steel Industry Waste 33 <sup>rd</sup> National Convention of Civil Engineers Organized by Gujarat State Center The Institution of Engineers
10	Dr. C D Modhera Effect Of Colloidal Nano Silica (Cns)On Properties Of High Strength Concrete At Elevated Temperature Volume 8, Issue 4, pp. 618–628, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
11	Dr. C D Modhera Utilization Of Sanitary eramic Wastes In Concrete Volume 8, Issue 4, pp. 711-718, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
12	Dr. C D Modhera Comparative Parametric Study For Post-Tension Flat Slab And Flat Slab With Drop System Volume 8, Issue 4, pp. 33–41, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
13	Dr. C D Modhera Experimental Study On The Strength Aspects Of M50 And M60 Grade Concrete Containing Waste Of Steel Making Industry International Conference On Materials Science & Technology At Delhi DOI: 10.5185/icmtech
14	Dr. C D Modhera Experimental Investigation On High Performance Concrete Containing Steel Industry Waste Focusing Rapid Chloride Penetration Test 42 <sup>nd</sup> Conference on Our World in Concrete & Structures, Proceeding, Singapore , pp. 151-158
15	Dr. C D Modhera Laboratory Investigation On The Mechanical Behavior Of Concrete Containing Steel Industry Waste 33 <sup>rd</sup> National Convention of Civil Engineers Organized by Gujarat State Center The Institution of Engineers
16	Dr. C D Modhera Effect Of Colloidal Nano Silica (Cns)On Properties Of High Strength Concrete At Elevated Temperature Volume 8, Issue 4, pp. 618–628, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
17	Dr. C D Modhera Utilization Of Sanitary eramic Wastes In Concrete Volume 8, Issue 4, pp. 711-718, ISSN Print: 0976-6308 and ISSN nline: 0976-6316
18	Dr. C D Modhera Comparative Parametric Study For Post-Tension Flat Slab And Flat Slab With Drop System Volume 8, Issue 4, pp. 33–41, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
19	C. H. Solanki, Vasawala. S. A Experimental Investigation on Geotechnical Properties of Nano-Chemically Treated Soil Indian Geotechnical Conference
20	C. H. Solanki, Vasawala. Experimental Investigation and Microstructural Analysis of Nano-Chemically Treated Clayey Soil Indian Geotechnical Conference
21	Dr. S A Vasawala Soil-Raft Foundation-Structural Interaction Effects on Seismic Performance of Multi-Story MRF Building with Vertical Irregularity Indian Geotechnical Conference IIT Guwahati, India

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	Dr. K. A. Chauhan, Comparison of Different Mode Choice Models for Work Trips using Data Mining Process, Indian Journal of Science and Technology
02	Mishra Rajiv, A Dhamaniya, S Arkatkar, Estimation of Capacity of Expressways in India using Dynamic PCU Value, Urban Transport Journal, Institute of Urban Transport (India), 15(1), 93-102, 2016

<b>CHEMICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	Makarand V. Karkare and <b>Z.V.P. Murthy</b> , Mass Transfer Characteristics of Activated Sludge Process at High MLSS and Power Consumption, <b>Indian Journal of Chemical Technology</b> , Vol.24(No.1) (2017) 40-46. (National Institute of Science Communication and Information Resources (NISCAIR), CSIR, India).
02	K Rochlani, R Vadakkekara, <b>M Chakraborty</b> , S Dasgupta, <u>Antibacterial activity of biostabilized silver nanoparticles</u> , <b>Indian Journal of Chemical Technology</b> , 23 (2016) 520-526.
03	Miral R. Thakker, <b>Jigisha K. Parikh, Meghal A. Desai</b> , "Isolation of essential oil from the leaves of <i>Cymbopogon martinii</i> using hydrodistillation: effect on yield of essential oil, yield of geraniol and antimicrobial activity", Journal of Essential Oil bearing Plants, 19, (2016),1943-1956.

<b>COMPUTER ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	NIL

<b>ELECTRONICS ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	NIL

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	NIL

<b>MECHANICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	Dr. H. K. Raval Study on effect of tooling angles during flow forming process Journal of manufacturing engineering vol.11 (3) page 166-170.2016.

**(iv) Conference Proceedings / Papers presented in the International conferences / Workshops / Seminar :**

<b>APPLIED CHEMISTRY DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	Kalpna C. Maheria, Henilkumar Lankapati, Lalita Chaudhary, Recent advances in the removal of toxic metals using modified zeolites", at ISWATS 2016, Yashda, Pune, India, during 21 <sup>st</sup> - 23 <sup>rd</sup> April 2016.
02	K. C. Maheria, J. A. Kozinski, Ramesh Chaudhari, Ajay K. Dalai, n-Butyl levulinate synthesis over Cs salt of heteropoly supported zeolite beta catalysts, at 24 <sup>th</sup> Canadian Symposium on Catalysis, University of Ottawa, Ottawa, Ontario, Canada, during 8 <sup>th</sup> – 11 <sup>th</sup> May 2016.
03	Jenifer J. Gabla, Sunil R. Mistry, Kalpna C. Maheria, Large pore zeolite catalyzed green synthesis of tri-substituted imidazole via multicomponent reaction - A biologically active drug like molecule, at CHEMCON-2016, Anna University, Chennai, during 27 <sup>th</sup> – 30 <sup>th</sup>

APPLIED CHEMISTRY DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	December 2016.
04	P. R. Acharya, D. R. Lathiya, D. V. Bhatt, K. C. Maheria, "Sulfated zirconia catalyzed biodiesel production from acid oil containing high free fatty acids", at APCAT – 2017, ICT-Mumbai, during 17 <sup>th</sup> - 21 <sup>st</sup> January 2017.
05	Chemically modified cellulose strips with vitamin B6 cofactors conjugated fluorescent nanoclusters for the detection of metal ions; 254 <sup>th</sup> ACS meeting, Washington, August 20-24, 2017.
06	Fluorescent nanoclusters and its application in sensing of metal ions, ICNM 2017, Mahatma Gandhi University, Kottayam, Kerala, India, 10-12 Feb. 2017.
07	Pyrene pyridoxal conjugates for the fluorescent sensing of multiple analytes, ICMS-2017, Mahatma Gandhi University, Kottayam, Kerala, India, Dec. 8-10, 2017
08	K. Suresh Kumar, Mittal L. Desai, H. Basu, P. K. Sharma, and R. K. Singhal, Influencing Factors on Fluorescence Properties of Mn <sup>2+</sup> -doped ZnS Quantum Dots with Glutathione for Cu <sup>2+</sup> and Hg <sup>2+</sup> ions sensing, 1 <sup>st</sup> International Conference on Nanoscience and Nanotechnology, October 19 <sup>th</sup> – 21 <sup>st</sup> 2016, VIT University, Vellore, India., 2016
09	K. Suresh Kumar, Stephanie D'souza, Shiva Shankaran Chettiar, Karuna A. Rawat, Facile hydrothermal method for synthesis of fluorescent carbon dots derived from carrot juice and their application for mytomycin drug delivery, PITTCON-2017, March 5 <sup>th</sup> – 10 <sup>th</sup> 2017, Chicago, USA, 2017.
10	Bharat Dholakiya, Cutting cost technology for the preparation of biodiesel using environmentally benign and cheaper catalyst. 19 <sup>th</sup> international conference of International Academy of Physical Sciences (CONIAPS XIX) & symposium on Fixed Point and Dynamical Systems, Dept. of Maths & Dept. of Computer Science, Kumaun University, Nainital, 17 <sup>th</sup> – 19 <sup>th</sup> October 2016.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Dr. Jayesh M. Dhodiya, Ronak Gajera, "Fuzzy PERT and CPM Problem and their solution", National Seminar on "Role of Statistics in Current Scenario". Organized by the Department of Statistics, V.N.S.G. University, Surat
02	Twinkle R Singh, Solution of a Fokker-planck equation by successive linearization method, 4 <sup>th</sup> International Conference on Industrial Engineering, December 21-23, MED, SVNIT, EPH, 2017, p. no. 1153-1158, 2017
03	Twinkle R Singh, An approximate solution of Fingering Phenomenon arising in fluid flow through homogeneous porous media by successive linearization methods, International Conference on Fluid Dynamics and its Applications BNMIT, Bengaluru, July 12-14, 2017
04	Dr. Urvashi Kaushal, Presented a paper "Empowering Engineering Students through Employability Skills" in 4th International Conference MAGIC - Methods Aesthetics and Genre In English Communication - an initiative to Support Skill India, on the 10 <sup>th</sup> and 11 <sup>th</sup> of November 2016 organised by The Centre for Professional Communication, College of Engineering Studies under the aegis of University of Petroleum & Energy Studies, Dehradun, Uttarakhand.
05	T. Patel and R. Meher ,A Study on temperature distribution of porous fin with uniform magnetic field in vertical isothermal surface of fractional order energy balance equation by using Adomian decomposition sumudu transform method,International Conference on Computational Modeling & Simulation (ICCMS-2017),Colombo, Srilanka. May 17-19, 2017.
06	R. Meher and H.Patel ,A Study on counter – current imbibition phenomena for two phase flow process in a Homogenous porous media,International Conference on Computational Modeling & simulation (ICCMS-2017),Colombo, Srilanka. May 17-19, 2017
07	T. Patel and R. Meher ,Application of Adomian Decomposition Sumudu Transform to Nonlinear Time-fractional Type Heat Transfer and Porous Media Equations, <i>International</i>



APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
	<i>Conference on Differential &amp; Difference Equations and Applications (ICDDEA-2017), Amadora, Portugal, June 5-9, 2017.</i>
08	N. Patel and R. Meher, "Differential Transform Method for Solving for Fingero-Imbibition Phenomena Arising in Double Phase flow through Homogeneous Porous Media" International Conference On Mathematics & Computer Science – 2017 during at Bangalore, Karnataka, India, Feb 16-18, 2017.
09	R. Meher and V.P Gohil, Solution of some problems of partial differential equation by using Homotopy Analysis Method, International Conference On Advances in Mathematics & Computer Science – 2017 during at Virrudhnagar, Tamilnadu, India.

APPLIED PHYSICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
01	DP Rathaud A K Rai, Dimesonic states in the heavy-light meson sector, AIP Conf. Proc. (Scopus), 1728, 20115 (2016)
02	Z Shah, K Thakkar, A K Rai, PC Vinodkumar Excited mass spectra of $\Omega_c^0$ Baryon, J. Phys. Conf. Ser. (Scopus), 759, 012076, 2016
03	Z Shah, K Thakkar, A K Rai, PC Vinodkumar, Excited state mass spectra of $\Lambda_c^+$ baryon, AIP Conf. Proc. (Scopus), 1728, 020096, 2016
04	Authors: V. Kumar, E. V. Shah, and D. R. Roy*, Electronic Properties of Hexagonal Gallium Phosphide: A DFT Investigation, Proc. of 60th DAE SSPS 2015, Noida, AIP Conf. Proc. 1731 (2016) 120026.
05	Authors: V. Kumar and D. R. Roy*, DFT Investigation on Structure, Electronic and Magnetic Properties of Mn <sub>n</sub> (n=2-8) Clusters, Proc. of ICC-2015, Bikaner, AIP Conf. Proc. 1728 (2016) 020245.
06	Authors: E. V. Shah, V. Kumar and D. R. Roy*, DFT Investigation on Structure, Electronic and Magnetic Properties of Cr <sub>n</sub> (n=2-8) Clusters, Proc. of ICC-2015, Bikaner, AIP Conf. Proc. 1728 (2016) 020605.
07	Authors: L K Saini*, M G Nayak and R O Sharma, Correlation effects of spin-polarized electron-hole quantum bilayer, Proc. ICC-2015 AIP Conf. Proc. 1728 (1), 020001 (2016).
08	Authors: B P Bahuguna, R O Sharma and L K Saini*, The LDA+U calculation of electronic band structure of GaAs, Proc. ICC-2015, AIP Conf. Proc. 1728(1), 020601 (2016).
09	Sagar Parekh, Deobrat Singh, Sanjeev K. Gupta, and <b>Yogesh Sonvane</b> , Structural, electronic and ferroelectric properties of BaReO <sub>3</sub> , AIP Conference Proceedings 1832, 090033 (2017)- [pdf]
10	H. R. Mahida, Deobrat Singh, Sanjeev K. Gupta, <b>Yogesh Sonvane</b> and P. B. Thakor, Electronic and transport properties of fluorite structure of La <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> , AIP Conference Proceedings 1832, 090038 (2017)- [pdf]
11	Sagar Parekh, Mohini Ramwala, Ruchi Rathod, Deobrat Singh, Sanjeev K. Gupta and <b>Yogesh Sonvane</b> , Structural, electronic and ferroelectric properties of BaTcO <sub>3</sub> , AIP Conference Proceeding, 1387, 040030 (2017) -
12	H. P. Patel, <b>Y. A. Sonvane</b> , and P. B. Thakor, Structure factor and radial distribution function of some liquid lanthanides using charged hard sphere, AIP Conference Proceedings 1832, 090036 (2017)-
13	Deobrat Singh, Sanjeev K. Gupta and <b>Yogesh Sonvane</b> , Structural and opto-electronic properties of 2D AlSb monolayer, AIP Conf. Proc. 1731, 120018 (2016) - [pdf]
14	H. P. Patel, Y. A. Sonvane, and P. B. Thakor, Structure factor and radial distribution function of some liquid lanthanides using charged hard sphere, AIP Conference Proceedings 1832, 090036 (2017) - [pdf]
15	Pinank Jariwala, Deobrat Singh, <b>Y. A. Sonvane</b> , Sanjeev K. Gupta and P. B. Thakor, First-principles study of structural & electronic properties of pyramidal silicon nanowire,

APPLIED PHYSICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
	AIP Conf. Proc. 1731, 090042 (2016) - [pdf]
16	A. V. Prajapati, <b>Y. A. Sonvane</b> and P. B. Thakor, Temperature dependent electrical resistivity of gallium and antimony in a liquid form, AIP Conf. Proc. 1728, 020698 (2016)
17	Deobrat Singh, <b>Yogesh Sonvane</b> and P. B. Thakor, Mechanical properties of 4d transition metals in molten state, AIP Conf. Proc. 1728, 020408 (2016)
18	A. V. Prajapati, <b>Y. A. Sonvane</b> and P. B. Thakor, Temperature dependent electrical resistivity of gallium and antimony in a liquid form, AIP Conf. Proc. 1728, 020698 (2016) -
19	Deobrat Singh and <b>Y. A. Sonvane</b> , Theoretical investigation of structural and electronic properties of ultrathin nickle nanowire, AIP Conference Proceeding, 1724, 020134 (2016)

APPLIED MECHANICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
01	Dr.C.H. Solanki, Experimental Investigation on Geotechnical Properties of Nano-Chemically Treated Soil Indian Geotechnical Conference 2017
02	Dr. C.H. Solanki Experimental Investigation and Microstructural Analysis of Nano-Chemically Treated Clayey Soil Indian Geotechnical Conference 2017
03	Dr. C.H. Solanki Comparative Study of Curve Fitting Methods and Field Observatory Methods Practiced to Evaluate the Coefficient of Consolidation- A Review Conference On Numerical Modeling In Geomechanics 2017
04	Dr. R. Kondraivendhan Effect of inhibitor and slag blended with cement on corrosion of reinforcement NACE Corrosion 2017 Conference, USA 2017
05	Dr. R. Kondraivendhan Effect of Metakaolin and slag blended cement on corrosion behavior of concrete IOP Material science and Engineering science conference series 216 (1), Seoul 2017,012022 2017
06	Dr. C.D. Modhera Experimental Study On The Strength Aspects Of M50 And M60 Grade Concrete Containing Waste Of Steel Making Industry International Conference On Materials Science & Technology At Delhi DOI: 10.5185/icmtech 2017
07	Dr. C D Modhera Experimental Investigation On High Performance Concrete Containing Steel Industry Waste Focusing Rapid Chloride Penetration Test 42 <sup>nd</sup> Conference on Our World in Concrete & Structures, Proceeding, Singapore , pp. 151-158 2017
08	Dr. C D Modhera Laboratory Investigation On The Mechanical Behavior Of Concrete Containing Steel Industry Waste 33 <sup>rd</sup> National Convention of Civil Engineers Organized by Gujarat State Center The Institution of Engineers 2017
09	Dr. C D Modhera Effect Of Colloidal Nano Silica (Cns)On Properties Of High Strength Concrete At Elevated Temperature Volume 8, Issue 4, pp. 618–628, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 2017
10	Dr. C D Modhera Utilization Of Sanitary ceramic Wastes In Concrete Volume 8, Issue 4, pp. 711-718, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 2017
11	Dr. C D Modhera Comparative Parametric Study For Post-Tension Flat Slab And Flat Slab With Drop System Volume 8, Issue 4, pp. 33–41, ISSN Print: 0976-6308 and ISSN Online: 0976-6316 2017
12	Dr. Atul K. Desai Evaluation of dynamic response for monopole and hybrid wind mill tower. International conference on Functional materials, characterization, solid state physics, power, thermal and combustion energy, American institute of physics Conference Proceedings., vol. no 1859, pp 020114-1 to 020114-9 ISBN: 978-0-7354-1533-1(Scopus indexed)2017
13	Dr. Atul K. Desai Dynamic analysis of innovative wind mill tower considering soil structure interaction International conference on bridge and structural engineering Vancouver, Canada 39th IABSE Symposium – Engineering the Future, Vancouver, Canada(Scopus indexed) 2017
14	Fracture and size effect studies on fibre reinforced self compacting concrete using digital

APPLIED MECHANICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
	image correlation 9th international conference on fracture mechanics of concrete and concrete structures.2017
15	Innovation in turbo generator frame foundation, an experimental and analytical study International Conference on Sustainable Civil Engineering Capetown , South Africa 2017
16	Dynamic Analysis of Turbo Machinery Foundation for Different Rotating Speed International Journal of Civil and Environmental Engineering Vol. 4, No. 4, WASET, LONDON.2017
17	Comparative Study of Compressive Strength of Triangular Polyester Fiber with Fly Ash Roller Compacted Concrete Using Ultrasonic Pulse Velocity Method International Journal of Civil and Environmental Engineering Vol. 4, No. 4, WASET, LONDON.2017
18	Dr. Shruti J Shukla Desai A.K., Solanki C.H A Dynamic Behavioural Study of Structure and Foundation for 25 Storey Structure with Variable Sub-Soils by Time History FEM Model 8th International Conference on Electrical, Electronics and Civil Engineering (ICEECE'2016) Jan. 12-13, 2016
19	Dr. Satyajit Patel Feasibility of lime stabilized expansive soil as a subbase material for flexible pavements 8th Int. Conference on Electrical, Electronics and Civil Engg., Dubai, pp. 81-85 (Jan. 2016)
20	Yogesh D. Patil H.S.Patil Developed of new connector of double layered space grid Recent trends in engineering and material sciences Elsevier, 2016

CIVIL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
1	Pawan N. Bhavsar and Jayantilal N. Patel, Simulation of Hydrologic Behavior of Lower tapi Basin Using HEC-HMS and Geospatial Technology, 37 <sup>th</sup> IAHR World Congress, Organised by IAHR, Kuala Lumpur, Malaysia, August 13-18, 2017 pp. 4017-4025
2	S. C. Rana and Jayantilal N. Patel, " AHP-Weighted Sum Method Application for Priority Analysis of A Hydropower Project Location", International Conference on Materials, Applied Physics and Engineering (ICMAE), 3rd- 4th June, 2018, Indore, India
3	S. C. Rana and Jayantilal N. Patel, " An Approach to Find Better Optimal Location for A Hydropower Project Using AHP-WAM Methods", International Conference on Materials, Applied Physics and Engineering (ICMAE), 3rd- 4th June, 2018, Indore, India
4	Sharma, P. J., Patel, P. L., & Jothiprakash, V., Seasonal Stochastic Model for Long Term Reservoir Inflow Forecasting for Ukai Reservoir, India, Proceedings of the 20th IAHR APD 2016 at Colombo, Sri Lanka, during August 28-31, 2016.
5	Loliyana, V. D., &Patel, P. L., Physics based distributed overland flow modeling for Yerli sub-catchment, Maharashtra, India, Proceedings of the 20th IAHR APD 2016 at Colombo, Sri Lanka, during August 28-31, 2016
6	Laxmi Narayana, P., Timbadiya P. V., &Patel, P. L, Aggradation in mobile boundary channel due to overloading of sediments, Proceedings of the 20th IAHR APD 2016 at Colombo, Sri Lanka, during August 28-31, 2016.
7	Sinha, J., Patel, P. L., Das, S. K., & Samtani, B. K., Flow characteristics at horizontal interface of asymmetric compound open channel, Proceedings of the 21 <sup>st</sup> HYDRO – 2016 International at CWPRS during Dec. 8-10, 2016.
8	Sharma, P. J., Patel, P. L., & Jothiprakash, V., At-site flood frequency analysis for Upper Tapi basin, India, Proceedings of the 21 <sup>st</sup> HYDRO – 2016 International at CWPRS during Dec. 8-10, 2016.
9	Resmi, S. R., Patel, P. L. &Timbadiya P. V., Morphological study of Upper Tapi river using remote sensing and GIS technique, <i>Proceedings of the 21<sup>st</sup> HYDRO – 2016 International at CWPRS during Dec. 8-10, 2016.</i>
10	Loliyana, V. D., &Patel, P. L., Groundwater Flow Estimation using Distributed Hydrologic Model for Yerli sub-catchment, Maharashtra, India, <i>Proceedings of the 21<sup>st</sup> HYDRO – 2016 International at CWPRS during Dec. 8-10, 2016.</i>
11	J.E.M. Macwan, Bhatt Ajay, "RANKING FOR GROWTH OF UDAIPUR CITY ZONES USING FUZZY COMPOSITE PROGRAMMING" Research world International conference USA Chicago June17, Pp 24-25

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
12	Preeti Ramkar, S M Yadav and K C Khare. "Analysis of the runoff generation using MIKE 11 NAM with application to the Nira Deodgar watershed in upper Bhima Basin. 20 <sup>th</sup> Congree of the Asia pacific division 1AHR APD 2016, Colombo Shrilanka 28 <sup>TH</sup> to 31 <sup>st</sup> August 2016.
13	Rahul S Patel, S. M. Yadav, S I Waikhom. "Estimation of Suspended Sediment Concentration in Lined Canal", <i>Kalpa Publications in Civil Engineering</i> , Vol.1, 2017.
14	Waikhom S, Yadav S M. "Comparative analysis of the applicability of Ackers and White Total sediment transport function for River and Flume data", 20th Congress of IAHR Asia Pacific Division, Colombo, 29-31 August 2016.
15	Waikhom, S. I., and S. M. Yadav. "Variation in total sediment rate prediction using different fall velocity methods." In <i>River Sedimentation: Proceedings of the 13th International Symposium on River Sedimentation (Stuttgart, Germany, 19-22 September, 2016)</i> , p. 458. CRC Press, 2016.
16	V. G. Yadav, S. M. Yadav, S. I. Waikhom. "A comparison of two total sediment transport models for rivers", In <i>River Sedimentation: Proceedings of the 13th International Symposium on River Sedimentation (Stuttgart, Germany, 19-22 September, 2016)</i> , CRC Press, 2016.
17	Darshan Mehta, S. M. Yadav, Sahita Waikhom, Keyur Prajapati. "Stable Channel Design of Tapi River using HEC-RAS for Surat Region." HYDRO 2016, 21st International Conference on Hydraulics, Water Resources and River Engineering, 08-10 December, 2016, CWPRS, Pune, India
18	Rahul Patel, S I Waikhom, S M Yadav. "Estimation of suspended sediment concentration in lined canal", International Conference on Research and Innovations in Science, Engineering & Technology (ICRISET), 2017.
19	Ahammed M M (2017) The Effect of water coolers on the microbiological quality of drinking water, Second International Water and Health Conference, Antalya, Turkey, February 13-17, 2017
20	Ghorpade, A G, Ahammed M M (2016) Water treatment sludge for removal of heavy metals from electroplating wastewater, International Conference on Particle Separation, Oslo, Norway, June 22-24.
21	Kadbhane S. J., Manekar V. L., (2016). "Assessment of drought impact on grape crop and mitigation through modern irrigation technics in the Nashik district, India" Proceeding HYDRO-2016 International conference on Hydraulics, water resources, costal & Environmental Engineering at CWPRS Pune.
22	Praveen Rathod, V.L. Manekar (2016). "Turbulence Characteristics Around Circular Bridge Pier" HYDRO-2016 International conference on Hydraulics, water resources, costal & Environmental Engineering at CWPRS Pune.
23	Praveen Rathod, V.L. Manekar (2016). "Parameter Uncertainty Analysis of Rainfall Runoff Model Using Monte-Carlo Method." IAHRAPD 2016, Colombo, Sri Lanka.
24	Dr. K. A. Chauhan, Urban Mobility Performance Measurement Framework for Sustainable & Smart Cities – Prospects & Challenges, International Conference on Smart Sustainable Cities,
25	Dr. K. A. Chauhan , Evaluation of use of non motorized vehicles for shopping trips under mix traffic conditions, ASCE India Conference 2017
26	Drasti Kapadia and Namrata Jariwala (2017) "Comparative Study for Identification of Appropriate Vehicle Emission Model", TEQIP II sponsored National conference on "Noise and air Pollution Monitoring and modeling " (NAP 2017) organized by CED, SVNIT, Surat during 17-18 <sup>th</sup> March 2017.
27	Tandel B N and Sonaviya D R, "A Review on GIS-Based Approach for Road Traffic Noise Mapping", RECYCLE-2K16, IIT Guwahati, April 2016
28	Tandel B N and Yadav M M, "A quick review on adoption of fuzzy logic in prediction of noise pollution effects", RECYCLE-2K16, IIT Guwahati, April 2016
29	Tandel B N and Sonaviya D R, "A Quick review On Noise propagation models and software", International Conference on Sustainable Built Environment, Kandy, Sri Lanka, Dec 2016
30	Tandel B N and Yadav M M , "Applications of fuzzy logic in prediction of noise induced

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	health effects”, International Conference on Sustainable Built Environment, Kandy, Sri Lanka, Dec 2016
31	Shantwna, D., and Patel, D.A., “A framework to evaluate urban underground utility complexity index using the Delphi method and analytic hierarchy process.” Proceedings, Annual Conference of Canadian Society for Civil Engineering (CSCE), Vancouver, Canada, 2017
32	Vyas, G. S., Patel, D. A., and Jha, K. N. “Development of a ranking algorithm for the green building attributes: A case of Indian cities.” Proceedings, 5th International Symposium on Life-cycle Civil Engineering Systems: Emphasis on Sustainable Civil Infrastructure, Delft University of Technology, Delft, Netherlands, Taylor & Francis Group, London, ISBN 978-1-138-02847-0, Pp:896-900, 2017.
33	Patel, D. A., and Jha, K. N. “An estimation of fatal accidents.” Proceedings, 32nd Annual Conference of Association of Researchers in Construction Management (ARCOM), Manchester, UK, 2016.
34	Vyas, G. S., Patel, D. A., and Jha, K. N. “Enhancement of greenness of new construction using through DEA.” Proceedings, 32nd Annual Conference of Association of Researchers in Construction Management (ARCOM), Manchester, UK, 2016.
35	Ganesh D. Kale, Few Climate Change Studies Assessment across the Three Continents, International Conference on Climate Change-2017 (ICCC 2017), Colombo, Sri Lanka, 16-17 February 2017 (Paper Presented).
36	Patel C R, Karmadwala, C. and Damodariya, S., 2017. Key Factor’s for defining travel time reliability on urban arterial under mixed traffic condition. In: ASCE International Civil Engineering Symposium (ICES’17), VIT. Chennai, India, 16-19 March 2017.
37	Pawan N. Bhavsar and Jayantilal N. Patel, Simulation of Hydrologic Behavior of Lower tapi Basin Using HEC-HMS and Geospatial Technology, 37 <sup>th</sup> IAHR World Congress, Organised by IAHR, Kuala Lumpur, Malaysia, August 13-18, 2017 pp. 4017-4025
38	S. C. Rana and Jayantilal N. Patel, “ AHP-Weighted Sum Method Application for Priority Analysis of A Hydropower Project Location”, International Conference on Materials, Applied Physics and Engineering (ICMAE), 3rd- 4th June, 2018, Indore, India
39	S. C. Rana and Jayantilal N. Patel, “ An Approach to Find Better Optimal Location for A Hydropower Project Using AHP-WAM Methods”, International Conference on Materials, Applied Physics and Engineering (ICMAE), 3rd- 4th June, 2018, Indore, India
40	Sharma, P. J., Loliyana, V.D., Patel, P. L., & Timbadiya, P. V., Investigation of Long-Term Trends and Temporal Variability in Annual Rainfall across Purna River Basin, India
41	Rajendran, K., Patel, P. L., & Timbadiya, P. V., Morphological Analysis of Lower Tapi River using Remote Sensing and GIS Technique, Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.
42	Rajak, A., Patel, P. L., & Timbadiya, P. V., Characterization of Erosion and Deposition Behaviour of Middle Tapi River, India, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
43	Resmi, S. R., Patel, P. L., & Timbadiya, P. V., Quantification of Bank Erosion and Bankline Migration in Upper Tapi River, India, Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.
44	Pal, L., & Patel, P. L., Identification of Trend and Change Point in Hydro- Climatic Variables in Tapi Basin, India, Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016
45	Sharma, V., Loliyana, V. D., Timbadiya, P.V., & Patel, P. L., Investigation of Trends in Extreme Rainfall and Rainy Days over Middle Tapi Basin, India, Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.
46	Shah, N., Sharma, P. J., Loliyana, V. D., Timbadiya, P. V., & Patel, P. L. , Spatio-Temporal Analysis of Changes in Rainfall Pattern over Gujarat State, India, Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.
47	Vachchhani, R. P., Lathiya, Y. J., Timbadiya, P.V., Trend Analysis of Water Quality Parameters in Tapi Basin, India, Proceedings of National Conference on Water Resources and Flood Management

<b>CIVIL ENGINEERING DEPARTMENT</b>	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
48	Bhagat, M.S., Ghare, A.D., Ralegaonkar A.V., &Patel, P. L., Flood and Agricultural Water Management using a Hydrophilic Material, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
49	Chetan, S.V., Tripathi, A., Timbadiya, P.V., &Patel, P. L., Flood Hazard Mapping of Surat City for Different Return Period Floods, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
50	Maurya, V., Sharma, P. J., Timbadiya, P. V., &Patel, P. L., Analysis of Rainfall Variability for Middle Tapi Basin, India , <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016</i>
51	Loliyana, V. D., &Patel, P. L., Distributed Hydrological Modelling using MIKE SHE for Gopalkheda Sub- Catchment, Maharashtra, India, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
52	Laxmiarayana, P., Timbadiya, P.V., &Patel, P. L., Influence of Turbulence in Aggraded Alluvial Bed in Mobile Boundary Channel, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
53	Andharia, B. R., Patel, P. L., Manekar, V. L., & Porey, P. D., Prediction of Bed Aggradation in Alluvial Streams: Application of Numerical Computations,, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
54	Sharma, P. J., Patel, P. L.,& Jothiprakash, V., M5 Model Tree Technique in Daily River Flow Forecasting for Purna River in Tapi Basin, India, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
55	Sinha, J., Das, S. K., Patel, P. L., & Samtani, B. K., Hydrodynamic Characteristics of Flows in a Two-Layered Compound Open Channels using Dynamic SGS Model, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016.</i>
56	Pawar, S.B., Mirajkar, A.B. &Patel, P. L., Optimal Irrigation Planning in an Intuitionistic Fuzzy Environment, <i>Proceedings of National Conference on Water Resources and Flood Management (WRFM)-2016 at SVNIT Surat during Oct. 14-15, 2016</i>
57	Waikhom S, Yadav S M. "Testing of Maddock's approximate estimation of Bed load for rivers", National Conference on Water Resources & Flood Management, SVNIT, Surat, October, 2016.
58	K.B. Patel, S.M. Yadav, Hydraulic Modelling of Purna River Reach using HEC-RAS, <i>Proceedings of National Conference on Water Resources &amp; Flood Management with Special reference to Flood Modelling (2016).</i>
59	K. A.Chitnis, Khambete A. K, "Review: Common Effluent treatment Plant", National Level Conference on Emerging Technology for Innovation, March 2016.
60	Satpal, Garg Sooraj, Khambete A. K., "Primary Aluminium Industries - Present Status In India And Control Of Pollutants", National Conference on Recent Advances in Civil Engineering (RACE 2016), March 2016.
61	Sudhanshu Kamat and Khambete A. K, "Role of Chemical Oxygen Demand in the Anaerobic Digestion of Food Waste and Biological Sludge", 1st National Conference of Recent Advances in Civil Engineering (RACE 2016), March 2016.
62	Anvita Tripathi and Khambete A. K, "Fuzzy MCDM approach for assessment of effluent quality for sewage treatment plant", National conference on recent advance in civil engineering (RACE 2016), SVNIT, Surat, March 2016.
63	Sudhanshu Kamat and Khambete A. K. "Biogas Generation by Co-Digestion with Organic MSW- A Review", National Conference On Mechatronics, Feb 2016
64	Partha Tripathy; Khambete A.K. , Chauhan Krupesh C. and Rajeev.K.R; "Urban Mobility Performance Measurement Framework Using Fuzzy MCDM Method- An Innovative Approach", International Conference on Recent Innovations in Engineering and Technology (ICRIET), Nov,2016
65	Kadbhane S. J., Manekar V. L., (2016). "Study of drought impact on grape yield in Waghad command area, Nashik" <i>Proceeding National Conference on Water Resources and Flood</i>

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
	Management WRFM – 2016, WRH-34-1-8, SVNIT Surat.
66	Anil Kumar Yadav, Manekar V. L., (2016). "Evaluation of climate change impact on precipitation using SDSM for Surat district, India" Proceeding National Conference on Water Resources and Flood Management WRFM – 2016, WRH-46, SVNIT Surat.
67	Praveen Rathod, V.L. Manekar, Anil Kumar Yadav, Jidhi G.K.(2016) "Uncertainty in Scour Prediction using HEC-RAS 1D Model" National Conference on WRFM-2016, WRM -11, SVNIT Surat.
68	Praveen Rathod, V.L. Manekar (2016). "Estimation of Pan Evaporation and Actual Evapotranspiration Using GIS and Remote Sensing" WRHP International Conference, Dehradun, India.
69	Dr. Krupesh A. Chauhan, Influence of Land use Planning on Travel Demand Pattern – an overview, Recent Advances in Civil Engineering (RACE-2016), SVNIT Surat, 2016
70	Tandel B N and Sonaviya D R, "Mitigation, control techniques and legislation for noise pollution: A review", Noise and Air Pollution (NAP-17), SVNIT, Surat, March 2017.
71	Tandel B N and Yadav M M, "Noise Pollution Impacts on Human Health: A Review", Noise and Air Pollution (NAP-17), SVNIT, Surat, March 2017.
72	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Level of Service at Toll Plaza under Mixed Traffic Scenario". Urban Mobility India Conference, Hyderabad, India, 2017
73	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Stream Equivalency Factor: A Measure of Heterogeneous Traffic at Tollbooths in India". 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay, India, 2017.
74	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., (2017). "Headway Distribution at Tollbooth in India under Mixed Traffic Condition". 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay, India, December 17-20, 2017.
75	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "An Approach of Estimating Vehicle Equivalency Factors at Toll Booth in India." Proceeding of 12th Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC 2016), Transportation Systems Engineering group, IIT Bombay, India, 2016.
76	Jiten H. Shah, Gaurang J. Joshi, Shrinivas S. Arkatkar, Manoranjan Parida, Impact of Human Factors and Functional Characteristics of Location On Walking Speed At Stairway Facility, Accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA, January 8-12, 2017.
77	Narayana Raju, Pallav Kumar, Akhilesh Chepuri, Shrinivas S. Arkatkar, Gaurang Joshi, Calibration of Vehicle Following Models Using Trajectory 2 Data Under Heterogeneous Traffic Conditions, accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA, January 8-12, 2017.
78	Avinash R. Chaudhari, Jiten H. Shah, Shrinivas S. Arkatkar, Gaurang J. Joshi, Manoranjan Parida, Examining Effect of Individual Characteristics On Walking Speed At Un-Signalized Mid-Block Crossings, Accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA, January 8-12, 2017.
79	Pallav Kumar, Krishnanunni, Shrinivas S. Arkatkar, Gaurang J. Joshi, Examining Microscopic and Macroscopic Traffic Flow Parameters at Diverging Section On Multilane Urban Roads in India, accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 8-12, 2017.
80	Pallav Kumar, Shrinivas S. Arkatkar, Gaurang J. Joshi, Ashish Dhamaniya, New Methodology For Estimating PCU on Multi Lane Urban Roads under Mixed Traffic Scenario Based On Area Occupancy, Accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 8-12, 2017.
81	Raunak Mishra, Pallav Kumar, Shrinivas S. Arkatkar, Ashoke Kumar Sarkar, Gaurang J. Joshi, Novel Area Occupancy Based Methodology For PCU Estimation On Multilane Urban Roads Under Heterogeneous Traffic Scenario. Accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 8-12, 2017.
82	Manraj Singh Bains, Shrinivas Arkatkar, K S Anbumani, Siva Subramaniam,

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	Optimizing/Modelling Toll Way Operation Using Micro Simulation: Case Study Sanand Toll Plaza, Ahmedabad, Gujrat, India. Accepted for presentation in the 96th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 8-12, 2017
83	Mannilthodi Jabeena, Mathew Sonu, Shriniwas Arkatkar, Gaurang Joshi and KayithaRavinder, Effect of Traffic Composition and Emergency Lane on Capacity: A Case Study of Intercity Expressway in India, 14th World Conference on Transport Research, Tongji University, Shanghai, China, during 10-15 July 2016.
84	Akhilesh Chepuri, Sanskruti Joshi, Shriniwas Arkatkar, Gaurang Joshi and Ashish Bhaskar, Travel time reliability analysis of public transport system in India: A case study of bus routes in Mysore city, 14th World Conference on Transport Research, Tongji University, Shanghai, China during 10-15 July 2016.
85	Vasudevan N., Shriniwas S. Arkatkar and Gaurang J. Joshi, Travel demand elasticity analysis for non-voluntary purpose trips by heterogeneous travellers in Indian metropolitan city, Surat, 14th World Conference on Transport Research, Tongji University, Shanghai, China, during 10-15 July 2016
86	Shah Jiten, Joshi Gaurang, Arkatkar Shriniwas and ParidaPurnima, Estimation of free speed of pedestrians flow on stairways at busy suburb rail transit station in India, 14th World Conference on Transport Research, Tongji University, Shanghai, China during 10-15 July 2016.
87	Chaitrali Shirke, G. J. Joshi, V. Kandala and S. S. Arkatkar, Transit Oriented Development and Its Effect on Mode Choice Behaviour of People: A Case Study of Mumbai Metro Line – I, 14th World Conference on Transport Research, Tongji University, Shanghai, China during 10-15 July 2016.
88	Srinivas Reddy, Akhilesh Chepuri, Shriniwas Arkatkar and Gaurang J. Joshi, Developing proximal safety indicators for assessment of un-signalized intersection - a case study in Surat, 14th World Conference on Transport Research, Tongji University, Shanghai, China during 10-15 July 2016.
89	Manraj Singh Bains, Pallav Kumar, NipjyotiBharadwaj and Shriniwas Arkatkar, Effect of Speed Limit Compliance on Roadway Capacity of Expressways in India: A case study of Delhi-Gurgaon Expressway, 14th World Conference on Transport Research, Tongji University, Shanghai, China during 10-15 July 2016.
90	Mathew Sonu, Ashish Dhamaniya, Shriniwas Arkatkar and G J Joshi, Conceptual Approach of Estimating PCU at Roundabouts, 14th World Conference on Transport Research, Tongji University, Shanghai, China during 10-15 July 2016.
91	Chaudhari A., Jiten Shah, Gaurang Joshi, and ShriniwasArkatkar (2016) "Study of Pedestrian flow characteristics on crosswalk at mid-blocks in India", In proceedings of 12th Conference of Transportation planning and implementation methodologies for developing countries (TPMDC), Mumbai, India.
92	Narayana Raju, Akhilesh Chepuri, Vinayaraj VS, Shriniwas S. Arkatkar, Guarang Joshi (2016) "A Simulation Study for Improving the Traffic Flow Efficiency at an Oversaturated Intersection Coupled with BRT" In proceedings of 12th Conference of Transportation planning and implementation methodologies for developing countries (TPMDC), Mumbai, India.
93	Vinayaraj VS, Chaudhari A, Shriniwas Arkatkar and Gaurang Joshi (2016) Comparative Study of Pedestrian Flow Characteristics at Selected Midblock Crosswalks in India, In proceedings of 12th Conference of Transportation planning and implementation implementation methodologies for developing countries (TPMDC), Mumbai, India.
94	Pallav Kumar, Joyjeet Chakraborty, Ayush Mishra, Shriniwas Arkatkar, Gaurang Joshi, Ashish Bhaskar (2016) "Comparative study of PCU estimation methods on Multilane Urban roads in India". In proceedings of 12th Conference of Transportation planning and implementation methodologies for developing countries (TPMDC), Mumbai, India.
95	Chetan Kumar, Akhilesh Chepuri, Shriniwas Arkatkar, Gaurang Joshi.(2016) "Travel Time Reliability Analysis on selected bus routes of Mysore public transportation system using GPS data". In proceedings of 12th Conference of Transportation planning and implementation methodologies for developing countries (TPMDC), Mumbai, India.
96	Nipjyoti Bharadwaj, Shriniwas S. Arkatkar, Ashish Bhaskar, Gaurang Joshi (2016)



CIVIL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
	"Expressing Traffic flow on Intercity Expressways in India: lane vs. directional traffic flow behaviour". In proceedings of 12th Conference of Transportation planning and implementation methodologies for developing countries (TPMDC), Mumbai, India.

CHEMICAL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	Smitha Rajesh and <b>Z.V.P. Murthy</b> , (2017), Synthesis, characterization and application of antioxidants nanoparticles incorporated PES membranes. Presented at the TEQIP-II Sponsored International Conference on "Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017)", Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat, India, 22-23 March, 2017. (Oral-S1_11)
02	Kamble Ashwin Ramesh, Vijay Kumar Singh, <b>Z.V.P. Murthy, Chetan M. Patel</b> , (2017), Large scale exfoliation of h-BN by combined stirred media milling and ultrasonication. Presented at the TEQIP-II Sponsored International Conference on "Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017)", Department of Chemical Engineering, Sardar Vallabhbhai National Institute of Technology (SVNIT) Surat, India, 22-23 March, 2017. (Oral-S3_5).
03	Nishant Srivastava and <b>Mausumi Mukhopadhyay</b> (2017), "Assessment of antifungal property of gold nanoparticles biosynthesized using Erwinia herbicola", Published in Proceeding of International Conference on Nanomaterials and Nanotechnology (ICNANO 2017) <a href="http://www.vbripress.com/icnano">www.vbripress.com/icnano</a> , doi: <a href="https://doi.org/10.5185/icnano2017">10.5185/icnano2017</a> .
04	<b>Mausumi Mukhopadhyay</b> , Sonia R. Lakhotia, R. N. Joshi, A. K. Ghosh and P. K. Tewari (2017), "Removal of arsenic from aqueous media using zeolite/chitosan nanocomposite membrane", Published in Proceeding of International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017), SVNIT Surat, India. S2_7.
05	Pathikrit Saha and <b>Mausumi Mukhopadhyay</b> (2017), "Pilot plant design and scale up of the plant mediated biosynthesis of nanoparticles using simulation approach", Published in Proceeding of International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017), SVNIT Surat, India. Poster_008.
06	<b>Mausumi Mukhopadhyay</b> , Gourav Mishra and Deepti patil (2017), "Study of properties of synthesized silica blended cellulose acetate-polyamide nanocomposite membrane", Published in Proceeding of International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017), SVNIT Surat, India. S3_9.
07	Parvathy S Chandran and <b>Mausumi Mukhopadhyay</b> (2017), "Synthesis and characterization of magnetite (Fe <sub>3</sub> O <sub>4</sub> ) nanoparticles by co-precipitation method and sol-gel method - a comparative study", Published in Proceeding of International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017), SVNIT Surat, India. S4_9.
08	Mehali J. Mehta, R. A. Christian, N. J. Mistry and <b>Mausumi Mukhopadhyay</b> (2017), "Regeneration and reuse of magnesium oxide (MgO) nano-crystallites" Published in Proceeding of International Conference on Nanotechnology Applications: Chemical, Energy and Environment (NACEE-2017), SVNIT Surat, India. S2_10.

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
09	<b>V. N. Lad</b> , (2017). Modifying the Interfacial Interactions in Gels by Selective Use of Nanoparticles in Optimized Conditions' Nanobiotechnology Conference, Dubai, May 27-29, 2017.
10	<b>A.K. Mungray</b> , (2017). Effects of cerium oxide nanoparticles coating on the electrodes of benthic microbial fuel cell, International conference on Nanotechnology applications: Chemical, Energy and Environment (NACEE-2017), at SVNIT Surat
11	Aarti R. Deshmukh, <b>Sanjaykumar R. Patel</b> , (2017), Crystallization of clopidogrel hydrogen sulphate from methanol Iso-propanol system, Proceeding of International conference on nanotechnology applications: Chemical, Energy, and Environment, held on 22-23, March, 2017, SVNIT, Surat .ISSN:978-93-5268-680-3.
12	Chetan Sharma, <b>Sanjaykumar R. Patel</b> , and <b>Meghal A. Desai</b> , (2017), Effect of Surfactants and Polymers on Particle Size and Morphology of Telmisartan in Antisolvent Crystallization, Proceeding of International conference on nanotechnology applications: Chemical, Energy, and Environment, held on 22-23, March, 2017, SVNIT, Surat. ISSN:978-93-5268-680-3.
13	Sagar Kapadiya, <b>Meghal A. Desai</b> , (2017)., Isolation of essential oil from buds of <i>Syzygium aromaticum</i> using hydrodistillation: Multi-response optimization and predictive modeling; 6 <sup>th</sup> International Conference on Recent Trends in Science, Engineering and Management, Chandigarh, India, 2017.
14	Chetan Sharma, <b>Meghal A. Desai</b> , <b>Sanjaykumar R. Patel</b> , (2017), Effect of surfactants and polymers on particle size and morphology of telmisartan in anti-solvent crystallization, International Conference of Nanotechnology Applications: Chemical, Energy and Environment, Surat, India, 2017.
15	Siddhant B. Patel and <b>Jignasa V. Gohel</b> , (2017), Influence of thin film quality control parameters on the properties of spray coated Tin monosulfide thin films for photovoltaic application" –Dubai (UAE) from <i>Proceedings of the "International Conference on Agricultural, Chemical, Biological and Environmental Science (ACBES 2017)</i> , Dignified Researchers Publication (DiRPUB), Dubai, October 17-19, 2017, pp.181-186.
16	Nitu Kumari, <b>Sanjaykumar R. Patel</b> and <b>Jignasa V. Gohel</b> , "Effect of annealing temperature on the structural, morphological and properties of zinc oxide thin films prepared by spin coating Techniques, deposition parameters on the ZnO thin films prepared by spray pyrolysis technique, Proceeding of international conference on sustainable development for energy and environment(ICSDEE-2017) 16-17 January, 2017, NCL Pune
17	Ashok Naidu, <b>Smita Gupta</b> and <b>Mousumi Chakraborty</b> , (2016)., Presented paper at 7 <sup>th</sup> International Conference on Environmental Science and Technology, 10-12 <sup>th</sup> June 2016, Barcelona, Spain: Extraction of Nitrophenols Using Pseudo-emulsion Based Hollow Fiber Strip Dispersion, 94, IPCBEE proceedings (2016)38-43.
18	Nitu Kumari, <b>Sanjaykumar R. Patel</b> and <b>Jignasa V. Gohel</b> , (2016), Paper presented on Zinc Oxide thin films preparation, characterization and their application in solar energy in international conference on macromolecules, synthesis, morphology, processing, structure, properties and applications (ICM)-2016 at Mahatma Gandhi University, Kottayam during 13-15 May 2016.

<b>COMPUTER ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	Mukesh A. Zaveri, Saurabh K. Pandey and J. Sathish Kumar," Collaborative Service Oriented Smart Grid using the Internet of Things", Proceedings of Fifth IEEE International Conference on Communication and Signal Processing (ICCSP 2016), pp. 1412-1418, 6-8 April 2016, Melmaruvathur, Tamilnadu, India.
02	Ankita N. Chadha, Mukesh A. Zaveri and Jignesh N. Sarvaiya, "Optimal Feature Extraction and Selection Techniques for Speech Processing: A Review", Proceedings of Fifth IEEE International Conference on Communication and Signal Processing (ICCSP 2016), 6-8 April 2016, Melmaruvathur, Tamilnadu, India.
03	J. Sathish Kumar and Mukesh A. Zaveri, "Clustering for collaborative processing in IoT network", Proceedings of Second ACM International Conference on IoT in Urban Space, pp. 95-97, May 2016, Japan.
04	Saurabh K. Pandey and Mukesh A. Zaveri, "Localization for collaborative processing in the internet of things framework", Proceedings of Second ACM International Conference on IoT in Urban pace, pp. 108-110, May 2016, Japan.
05	Ruchi Aggarwal, Sudhir Agarwal and Mukesh A. Zaveri, "Design and Development of Multiservice Network for Mobile Satellite Services", Proceedings of IEEE International Conference on Inventive Computation Technologies (ICICT 2016), 26-27 August 2016, Coimbatore, Tamilnadu, India.
06	J Sathish Kumar and Mukesh Zaveri, "Hierarchical Clustering for Dynamic and Heterogeneous Internet of Things", Proceedings of Elsevier/IEEE 6th International Conference on Advances in Computing and Communications (ICACC-2016) Theme: Ubiquitous computing & communication systems for a smarter world, Elsevier Procedia Computer Science, pp. 276-282, 6-8 September 2016, Kochi, India.
07	Ankita Chadha, Mukesh Zaveri and Jignesh Sarvaiya, "Isolated Word Recognition using Neural Network for Disordered Speech", Proceedings of IASTED International Conference on Telehealth and Assistive Technology (TAT 2016), 6-7 October 2016, Zurich, Switzerland.
08	Saurabh K Pandey and Mukesh A Zaveri, "Optimized Deployment Strategy for Efficient Utilization of the Internet of Things", Proceedings of IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT 2016), pp. 192-197, 2-3 December 2016, Pune, India.
09	Kaveri V Sonani, Mukesh A Zaveri, Sanjay Garg," Human Gesture Analysis for Action Recognition", Proceedings of IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT 2016), 2-3 December 2016, Pune, India.
10	Rutal S. Mahajan and Mukesh A. Zaveri, "Machine Learning based Paraphrase Identification System using Lexical Syntactic Features", Proceedings of IEEE International Conference on Computational Intelligence and Computing Research (ICCIC 2016), 15-17 December 2016, Thalambur, Chennai, Tamilnadu, India.
11	J. Sathish Kumar and Mukesh A. Zaveri, "Graph based Clustering for Two-tier Architecture in Internet of Things", Proceedings of 9th IEEE International Conference on Internet of Things (iThings 2016), pp. 229-233, 16-19 December 2016, Chengdu, China.
12	Meghavi Choksi, Saurabh K Pandey, Mukesh A Zaveri and Sanjay Garg, "Dynamic Localization Algorithm forWireless Sensor Networks", Proceedings of International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016), Springer, Advances in Intelligent Systems and Computing (AISC) series, 21-23 December 2016, Bhubaneswar, Ordisha, India.
13	Ankita Chadha, Mukesh Zaveri and Jignesh Sarvaiya, "Optimized Spectral floor in Multi-band Spectral Subtraction for Dysarthric Speech Recognition", Proceedings of 4th IEEE International Conference on Signal Processing and Integrated Networks (SPIN 2017), 2 - 3 February 2017, Noida, India.
14	Bharat Tidke, Rupa Mehta, Jenish Dhanani, "Knowledge Discovery from Social Media", National Conference on Business Studies & Social Sciences, Christ University, Bangalore, India, 9-10 March 2017.
15	Yash Parikh, Abhinivesh Palusa, Shravankumar Kasthuri, R Mehta and D Rana, "Efficient Word2Vec Vectors for Sentiment Analysis to improve Commercial Movie Success", First

<b>COMPUTER ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
	International Conference on Advanced Computational and Communication Paradigms, Sikkim, India, 2017.
16	Litun Patra, Udai Pratap Rao, "Internet of Things – Architecture, Applications, Security and other Major Challenges", In the proceedings of 10th INDIACom; 2016 3rd International Conference on Computing for Sustainable Global Development, March, pp. 1894- 1899, 2016
17	Brijesh B Mehta, Udai Pratap Rao, Nikhil Kumar, and Sravan Kumar Gadekula, "Towards Privacy Preserving Big Data Analytics", In the proceedings of Sixth International Conference on Advanced Computing & Communication Technologies (ACCT-2016), Research Publishing, pp. 28-35, Sept. 2016. ISBN: 978-981-11-0783-2, doi:10.3850/978-981-11-0783-2 390.
18	Dilay Parmar, A. Sathish Kumar, Ashwin Nivangune, Padmaja Joshi, and Udai Pratap Rao, "Discovery and Selection Mechanism of Cloudlets in a Decentralized MCC environment", In the proceedings of third IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft 2016), ACM, Austin (TX), USA, 2016.
19	Shah, U. S., Patel, S., & Jinwala, D. (2016). Specification of Non-Functional Requirements: A Hybrid Approach, 3rd International Workshop on Requirements Engineering and Testing, March 14, 2016, Gothenburg, Sweden.

<b>ELECTRONICS ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	Dr.U.D. Dalal, Mr. Vinay Kumar Singh, Mr.Dhananjay Patel, "A 100Mbps Visible Light Communication System using Optical Wireless Channel for Indoor Application Based on Composite White Light Generated using RGB LEDs", 6 <sup>th</sup> International Conference On Advances In Computing & Communications, ICACC 2016, 6-8 September 2016.
02	Dr.J. N. Sarvaiya, Mr. Hemant S. Goklani, Ms.Shravya S., "Image Super-resolution using Multi Image Multi-coupled Dictionary Learning", The First IASTED International Conference on Intelligent Systems and Robotics <i>ISAR 2016</i> , October 6-8, 2016Zurich, Switzerland, DOI: 10.2316/P.2016.847-008
03	Dr.J. N. Sarvaiya, Prof.M.A.Zaveri, Ms. Ankita N Chadha, "Isolated Word Recognition using Neural Network for Disordered Speech", The Third IASTED International Conference on Telehealth and Assistive Technology, ~ <i>TAT 2016</i> . October 6-8, 2016,Zurich, Switzerland, DOI: 10.2316/P.2016.846-005.
04	Dr. Mrs. Shweta Shah, Mehul Desai, "Impact of Dilution Of Precision for Position Computation in Indian Regional Navigation Satellite System", 5 <sup>th</sup> International Conference on Advances in Computing, Communications and Informatics (ICACCI), September 21- 24, 2016.
05	Rahul Yadav, Piyush N. Patel, "Detection of vasodilator drugs through microwave spectroscopy of Au NPs colorimetric probes using a microwave metallic photonic crystal-inspired resonant probe," RSC Advances, vol. 7, issue 47, pp. 30784-30791, June-2017. (Publisher: Royal Society of Chemistry, SCI IF: 3.108)
06	Aarti Patel, Prashant K Shah, "Semi-Custom Design of Functional Unit Block Using data path methodology in data cache unit." SSRG International Journal of VLSI & Signal Processing (SSRG-IJVSP) – Volume 4 Issue 3 May to June 2017, ISSN: 2394-2584, P.P.-1-5
07	Kolisu Siva Mounica, Prashant K Shah, "Power Optimization Techniques for High Speed Processor Core in Sub 14nm Technology Node." SSRG International Journal of VLSI & Signal Processing (SSRG-IJVSP) – Volume 4 Issue 3 May to June 2017, ISSN: 2394-2584, P.P.-11-15
08	Brahmiah Throvgunta, Prashant K Shah, "A 4-bit High Speed, Low Power Flash ADC by

ELECTRONICS ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
	Employing Binary Search Algorithm.” SSRG International Journal of VLSI & Signal Processing (SSRG-IJVSP) – Volume 4 Issue 3 May to June 2017, ISSN: 2394-2584, P.P.-16-20
09	Surya Gupta, Darshna D. Jagiwala and Shweta N. Shah, “Characterization of Interfering Signal in S band of IRNSS”, 2 <sup>nd</sup> International Conference on Microelectronics, Computing & Communication Systems (MCCS-2017) 13 -14th May. 2017 at ARTTC BSNL Ranchi-835217 Jharkhand India
10	Dr.U.D.Dalal. Dr J. N Sarvaiya Sarosh Dastoor.” Issues, Solutions and Radio Network Optimization for the Next Generation Heterogeneous Cellular Network—A Review” International Conference on Wireless Communications Signal Processing and Networking (WISPNET 2017) 22 - 24 March 2017, <b>SSN College of Engineering, Chennai, India</b> , <a href="http://www.wispnet2017.org/#home1">http://www.wispnet2017.org/#home1</a> , ISBN: 978-1-5090-4442-9/17
11	Dr.U.D.Dalal. . Dr J. N Sarvaiya, Sarosh Dastoor “Efficient Dimensioning and Deployment criteria for Next Generation Wireless Mobile Network” 2nd International Conference on Information and Communication Technology for Intelligent Systems <b>March 25-26, 2017, Springer SIST Series: (ISSN No -2190-3018) India.</b> <a href="http://ictis.in/">http://ictis.in/</a>
12	Dharmesh Patel, Pinalkumar Engineer, “Design and Implementation of Quasi Cyclic Low Density Parity Check (QC-LDPC) Code on FPGA”, International Conference on Wireless Communications Signal Processing and Networking (WispNET)-2017, March 22-24, 2017
13	Dr. K.P.Upla, “Automatic Visual Inspection of Printed Circuit Board for Defect Detection and Classification”, 2017 International Conference on Wireless Communications, Signal Processing and Networking (WiSPNET 2017), 22-24 <sup>th</sup> March, 2017
14	Dr. K.P.Upla, “Computer Aided Diagnosis of Malaria Disease for Thin and Thick Blood Smear Microscopic Images,” 4th International Conference on Signal Processing and Integrated Networks, SPIN-2017, 2-3 February 2017
15	Dr U.D.Dalal . Dr J.N Sarvaiya, Sarosh Dastoor” Comparative Analysis of Optimization Techniques for Optimizing the Radio Network Parameters of Next Generation Wireless Mobile Communication” Fourteenth International Conference on Wireless and Optical Communications Networks (WOCN2017),24 <sup>th</sup> , 25 <sup>th</sup> and 26 <sup>th</sup> of FEB 2017 .ISBN: 978-1-5090-4884-7, Online ISSN 2151-7703 CD-ROM : CFP17604-CDR 978-1-5090-4883-0, Thakur College of Engineering and Technology (TCET), Mumbai University <a href="http://www.wocn2017.org/">http://www.wocn2017.org/</a>
16	Jignesh R. Prajapati and Zuber M. Patel, “High linearity low noise figure mixer for Wi-max in 0.18 $\mu\text{m}$ tsmc technology”, IEEE International Conference on Signal and Image Processing (IConSIP 2016), pp. , 6-8 Oct. 2016, DOI: 10.1109/ICONSIP.2016.7857456
17	Dhananjay Patel & U. D. Dalal. "System Design and Analysis of a Novel Wavelength Reused High Speed Bidirectional ROF-WDM-PON Architecture using a M-QAM OFDM SSB Modulation Technique to Mitigate Chromatic Dispersion, Reflection and Rayleigh Backscattering over a Single Mode Fiber." OSA and SPIE sponsored International conference on “Development in optics and communication- DOCRIGA 2017”, at Riga Latvia (2017).
18	Dhananjay Patel & U. D. Dalal, “Mitigating transmitter non linearity and fiber impairments in Radio over Fiber Technology”. in Summer School on Optics and Photonics at University of Oulu, Oulu, Finland from 1-3, June 2017 (Invited Paper).

ELECTRICAL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	Deepak M. Sonje, <b>P.Kundu, A.Chowdhury</b> , A Novel Approach for Multi Class Fault Diagnosis in Induction Machine Based on Statistical Time Features and Random Forest Classifier, International Conference on Advanced Material Technologies (ICAMT)-2016, 27th and 28th December 2016
02	<b>RakeshMaurya, Sabha Raj Arya</b> and Arjun P Raj, “Experimental Evaluation of Interleaved DC-DC Converters for Maximum PV Power Tracking” has been accepted for publishing in proceeding of 7th IEEE Power India International Conference (PIICON) at GEC Bikaner, Rajasthan, India 25th -27th November, 2016
03	Himanshu Sharma, <b>Anandita Chowdhury</b> , Sumit Bagade , A Comparison Study of Z-Source inverter and Y Source inverter Topologies with Different Types of controlling

ELECTRICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	Techniques, ICPEICES, DTU, IEEE conference, July, 4-6, 2016
04	Suraj Ankush Dahat, <b>Anandita Chowdhury</b> , <b>Prasanta Kundu</b> , G Santosh Kumar Viranchi, Mitigation of Voltage Fluctuation in The Transmission Line by using SEN Transformer, ICPEICES, DTU, IEEE conference, July, 4-6, 2016
05	<b>Shambhu N Sharma</b> and Balaji G Gawalwad, Wiener meets Kolmogorov, Norbert Wiener in the 21st Century (Thinking Machines in the Physical World), IEEE (CSS) and IEEE (SSIT) IFAC Conference, Jul 13-Jul 15, 2016 University of Melbourne, Australia.
06	Ravish H Hirpara and <b>Shambhu N Sharma</b> , A hybrid non-linear filter for an Unmanned Aerial Vehicle (UAV) dynamics, 20th International Conference on System Theory, Control and Computing, 13 - 15 October 2016, Sinaia, Romania.
07	P. L. Kamani and <b>Mahmadasraf A. Mulla</b> , "A New Multilevel Inverter Topology with Reduced Device Count and Blocking Voltage," in 2016 IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC), 2016.
08	P. Patel and <b>Mahmadasraf A. Mulla</b> , "Space Vector Modulated Three-Phase to Three-Phase Direct Matrix Converter," in 2016 IEEE 16th International Conference on Environment and Electrical Engineering (EEEIC), 2016.
09	P. L. Kamani and <b>Mahmadasraf A. Mulla</b> , "A new multilevel inverter with reduced component count and reduced voltage stress," in Electrical, Electronics and Computer Science (SCECS), 2016 IEEE Students' Conference on, 2016, pp. 1-7.
10	Rahul Singh, Parth S. Shah, <b>A. K. Panchal</b> , "Explicit current-voltage models for solar photovoltaics" 40th IEEE Photovoltaic Specialists Conference (PVSC) at Portland, USA, June-2016.
11	Mukul Dixit, <b>Prasanta Kundu</b> , <b>Hitesh. R. Jariwala</b> , Optimal placement of PV array in distribution system for power loss minimization considering feeder reconfiguration, 16th IEEE International Conference on Environment and Electrical Engineering (EEEIC), Jun 7, 2016 (pp. 1-6).
12	Mukul Dixit, <b>Prasanta Kundu</b> , <b>Hitesh. R. Jariwala</b> , Assessment of distribution system reliability using artificial bee colony algorithm, 2nd IEEE Conference on Electrical, Computer and Communication Technology (ICECCT-2017) 22-24, Feb. 2017
13	<b>P Kundu</b> , NK Kishore, AK Sinha, Temperature Dependency of Partial Discharge Acoustic Emission Signal in Transformer Oil, NTPC O&M Conference, IPS 2017 13th to 15th February, 2017
14	Suraj Ankush Dahat, <b>Anandita Chowdhury</b> , <b>Prasanta Kundu</b> and G. Santosh Kumar Viranchi, Mitigation of voltage fluctuation in the transmission line by using SEN transformer, Power Electronics, Intelligent Control and Energy Systems (ICPEICES), IEEE International Conference on 4-6 July 2016
15	D. Y. Dube, <b>H. G. Patel</b> , Control Design of 3 DOF Helicopter System, 11th IEEE International Conference on Industrial & Information Systems, IIT, Roorkee, 3-4 December, 2016.
16	Y.P. Patil, <b>H.G. Patel</b> and B.B. Musmade, Robust Control Design using Discrete Sliding Mode Control for Uncertain Systems, 11th IEEE International Conference on Intelligent Systems and Controls (ISCO 2017), Coimbatore, Tamilnadu, India, 5th - 6th January 2017.
17	Y. P. Patil, <b>H G Patel</b> , Observer-Based Discrete-Time Sliding-Mode Control For Higher-Order Dynamic Delay-Time System, 14th International IEEE Conference on Control, Automation, Robotics & Vision Phuket, Thailand, 13-15th November, 2016.
18	D. Y. Dube, <b>H. G. Patel</b> , Control Design of 3 DOF Helicopter System, 11th International IEEE Conference on Industrial & Information Systems, IIT, Roorkee, 3-4 December, 2016.
19	<b>Hiren Patel</b> , Mihir Raval, Closed Loop Control Of Flow Under The Influence Of Varying Temperature In Air Blower System Using PLC And VFD, Proceeding of International conference on Intelligent system and signal processing, Vallabh Vidyanagar, 23-25 March 2017. (Springer)
20	<b>Khyati D. Mistry</b> , " MSFL Based Determination of Optimal Size and Location of Distributed Generation in Radial Distribution System", International IEEE Conference on Electrical and Electronics Optimization Techniques (ICEEOT), pp. 530-535, Chennai-2016
21	Deepak Joshi, S. Burada, <b>Khyati D. Mistry</b> , " Distribution System Planning With Optimal Conductor Selection ", IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016)

ELECTRICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
22	S.Burada, Deepak Joshi, <b>Khyati D. Mistry</b> , " Contingency Analysis of Power System by using Voltage and Active Power Performance Index ", IEEE 1st International Conference on Power Electronics, Intelligent Control and Energy Systems (ICPEICES 2016).

MECHANICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Samip P. Shah, Digvijay B. Kulshreshtha S. A. Channiwala A Three Dimensional Study of Flow inside a Single and Double Entry Turbine Volute Asian Congress on Gas Turbines – ACGT-2016 held during 14-16 Nov. 2016 at IIT Bombay
02	Venkatesh Kaki Salim Channiwala Design and Numerical Analysis of Mixed Flow Compressor Impeller for Small Gas Turbine Engine Asian Congress on Gas Turbines – ACGT-2016 held during 14-16 Nov. 2016 at IIT Bombay
03	Jitendra Chaudhary Salim Channiwala Numerical Study of Small Scale Combustor with Wall Heat Recirculation Asian Congress on Gas Turbines – ACGT-2016 held during 14-16 Nov. 2016 at IIT Bombay
04	Vasu Goswami Hemraj Rajan, S rivil Pargi, Suresh Chandra Pal, Hemish Vaidhya, Salim Channiwala Design, Development and Analysis of A Light weight Energy Efficient Box Type Solar Cooker 16-18 August 2016, organized by Weentech Harriot – Watt University, Edinbugh, UK. Prof. Vol. 3, ISSN: 2059-2353, ISBN: 978-9932795-2-2 pp. 120-125, Pub. World Energy and Environment Technology Ltd.
05	R. V. Rao Optimization of selected casting processes using Jaya algorithm Proceedings of the International Conference on Advanced Materials, Manufacturing, Management & Thermal Sciences (AMMMT 2016) held at Siddaganga Institute of Technology, Tumkur, Karnataka, 23-24 September 2016
06	R. V. Rao Optimization of abrasive waterjet machining process using multi-objective Jaya algorithm 7th Proceedings of the International Conference on Materials Processing and Characterization (ICMPC 2017) held at G.R.Institute of Engineering and Technology, Hyderabad, Telangana, 17-19 March 2017
07	R. V. Rao <b>Experimental Investigation and Parameter Optimization of Al<sub>2</sub>O<sub>3</sub>-40% TiO<sub>2</sub> Atmospheric plasma Spray Coating on SS316 Steel Substrate</b> 7th Proceedings of the International Conference on Materials Processing and Characterization (ICMPC 2017) held at G.R.Institute of Engineering and Technology, Hyderabad, Telangana, 17-19 March 2017
08	R. V. Rao <b>Design optimization of a micro-channel heat sink</b> Proceedings of the "International Conference on Computational Heat and Mass Transfer (ICCHMT)" held during 23-26 May 2016 conducted by Cracow University of Technology, Cracow, Poland.
09	Shailesh N. Pandya, Jyoti Menghani Optimum Heat Source Position Offset in Welding of Dissimilar Al-Cu Metals using a Theoretical Approach International Conference on Advances in Materials & Manufacturing (ICAMM-2016), Osmania University, Hyderabad. December 8-10, 2016 Proceeding e-ISBN: 978-93-86256-19-5, Page No. 64-69.
10	Shailesh N. Pandya, Jyoti Menghani. Formation of Intermetallics during Friction Stir Welding of Dissimilar Al to Cu Welds: A Review. 6th International & 27th All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), COEP, Pune, December 16-18, 2016. Proceeding ISBN No. 978-93-86256-27-0 Page No. 606-610.
11	Dr. T. N. Desai Development of Six Sigma: A Structured Review of Methodological Expansion 58 <sup>th</sup> National Convention and International Conference on "Smart Strategies for Digital World- Industrial Engineering Perspective" Shri Ramdeobaba College of Engineering & Management, Nagpur 21-22 October, 2016
12	Dr. T. N. Desai A Study of Major Barriers of Lean Manufacturing in MSMEs of South Gujarat Region – A Survey Result 58 <sup>th</sup> National Convention and International Conference on "Smart Strategies for Digital World- Industrial Engineering Perspective" Shri Ramdeobaba College of Engineering & Management, Nagpur 21-22 October, 2016
13	Dr. T. N. Desai An Analysis & Technique of Value Stream Mapping 58 <sup>th</sup> National Convention and International Conference on "Smart Strategies for Digital World- Industrial Engineering Perspective" Shri Ramdeobaba College of Engineering & Management, Nagpur 21-22 October, 2016

<b>MECHANICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
14	Dr. T. N. Desai Cost of Quality Models and Its Implementation in Manufacturing Firm Case Study 58 <sup>th</sup> National Convention and International Conference on "Smart Strategies for Digital World- Industrial Engineering Perspective" Shri Ramdeobaba College of Engineering & Management, Nagpur 21-22 October, 2016
15	Dr. T. N. Desai A hybrid Multi Criteria Decision Making Approach to rank Lean Six Sigma barriers, Annual Summit on Research and Innovation (SRI-2016) October 15, 2016
16	Dinesh Singh Parameter Optimization of Electrochemical Machining Process using Black hole Algorithm International Conference on Material Engineering and Advanced Manufacturing Technology MEAMT-2017, 25 <sup>th</sup> – 27 <sup>th</sup> August, 2017, <b>Busan, South Korea.</b>
17	Dinesh Singh Parameter Optimization of Wire Electric Discharge Machining Parameters Using Non dominated Sorting Genetic algorithm-II International Conference on Manufacturing Technology and Simulation ICMTS -2017, 7 <sup>th</sup> – 8 <sup>th</sup> July, <b>IIT Madras, Chennai.</b>
18	Dinesh Singh Parameter optimization of Ultrasonic machining process using Bio-geography based algorithm International Conference on Advanced Production and Industrial Engineering <b>ICAPIE-2017</b> , October 6-7, <b>Delhi Technological University (DTU)</b> , Delhi, India.
19	Dinesh Singh Investigation of Performance Parameters on Electro Discharge Machining Using Cuckoo Search Algorithm International Conference on Industrial Engineering ICIE-2017, December 21-23, <b>SVNIT</b> , Surat.
20	Dinesh Singh Biogeography-based optimization algorithm for unequal area facility layout problems International Conference on Manufacturing Technology and Simulation (ICMTS-2017), July 7-8, 2017, <b>IIT Madras</b> , Chennai.
21	Dinesh Singh Multi-objective facility layout problem using non dominated sorting genetic algorithm (NSGA-II) International Conference on Advanced Production and Industrial Engineering (ICAPIE-2017), October 6-7, 2017, <b>Delhi Technological University (DTU)</b> , Delhi.
22	Dinesh Singh Flexible bay dynamic facility layout problems using aisle structure." International Conference on Industrial Engineering (ICIE-2017), December 21-23 2017, <b>SVNIT</b> , Surat.
23	Dinesh Singh Facility layout problem using firefly and biogeography-based optimization algorithms International Conference on Industrial Engineering (ICIE-2017), December 21-23, 2017, <b>SVNIT</b> , Surat.
24	Jyoti Menghani, K Baba Pai ,M.K Totlani Investigation on Corrosion Behaviour of ZrN thin films in Industrial Environment ISECT 2017 Dubai 17-19 <sup>th</sup> Oct 2017 ISBN 978-93-86878-03-8
25	Nitin S. Aher, A. V. Doshi; and <b>M. H. Bade</b> Simulation of a Building Using Design Builder Software and Energy Analysis, International Conference on Advances In Construction Materials and Structures (ACMS-2018) March 7-8, 2018, Department of Civil Engineering, IIT Roorkee, Roorkee – 247667, Dist: Haridwar, State: Uttarakhand
26	A. V. Doshi; <b>M. H. Bade</b> Pump as Turbine: Review of Simple Modifications for Performance Improvement International Conference on Advances in Power Generation from Renewable Energy Sources (APGRES 2017) ISBN-978-81- 932091-2-7, Government Engineering College, Banswara, Rajasthan, India
27	A. V. Doshi; <b>M. H. Bade</b> Parametric study of Pump as Turbine-1: variation of speed International Conference on Advances in Power Generation from Renewable Energy Sources (APGRES 2017) ISBN-978-81-932091-2-7, Government Engineering College, Banswara, Rajasthan, India
28	A. V. Doshi; Sahu Rohit and <b>M. H. Bade</b> Parametric study of Pump as Turbine-2: Variation of Diameter of Impeller International Conference on Advances in Power Generation from Renewable Energy Sources (APGRES 2017) ISBN-978-81- 932091-2-7, Government Engineering College, Banswara, Rajasthan, India



<b>MECHANICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
29	Dr. H.K. Dave Tensile Properties of 3D Printed PLA under Unidirectional and Bidirectional Raster Angle: Comparative Study World Academy of Science, Engineering and Technology International Journal of Materials and Metallurgical Engineering Vol:12, No:1, 2018
30	Dr. H.K. Dave Impact of Process Parameters on Tensile Strength of Fused Deposition Modeling Printed Crisscross Polylactic Acid World Academy of Science, Engineering and Technology International Journal of Materials and Metallurgical Engineering Vol:12, No:2, 2018
31	Dr. H.K. Dave Effect of Raster Angle on Tensile Properties of PLA Part Fabricated Using Fused Deposition Modeling Process Proceedings of 10 <sup>th</sup> International Conference on Precision, Meso, Micro and Nano Engineering (COPEN10) held at IIT Madras
32	Beena Baloni & et al. Multi Attribute Decision Method approach to select Solid propellant based on theoretical performance. ICAME – 2008, SVNIT, Surat (International Conference); 15-17 December, 2008
33	Dr. V. D. Kalyankar Effects of process parameters on microstructure and mechanical properties of FSW A Review International Conference on Design, Materials & Manufacture - IcDeM 2018, NIT Surathkal 29-31 Jan. 2018
34	Dr. V. D. Kalyankar Recent applications of scanning electron microscope and its variants in industries: A review 4 <sup>th</sup> International Conference on Industrial Engineering (ICIE-2017), SVNIT Surat 21-23 Dec. 2017
35	Dr. V. D. Kalyankar Process parameters optimization of friction stir welded butt joint: A review 4 <sup>th</sup> International Conference on Industrial Engineering (ICIE-2017), SVNIT Surat 21-23 Dec. 2017
36	Dr. V. D. Kalyankar Demonstration and implementation of heat treatment search algorithm for standard benchmark functions 4 <sup>th</sup> International Conference on Industrial Engineering (ICIE-2017), SVNIT Surat 21-23 Dec. 2017
37	Dr. V. D. Kalyankar Causes of surface defects during surface coating of industrial equipment by PTAW welding techniques 4 <sup>th</sup> International Conference on Industrial Engineering (ICIE-2017), SVNIT Surat 21-23 Dec. 2017
38	Dr. V. D. Kalyankar Cold metal transfer welding for joining similar and dissimilar combinations of aluminium alloy International Conference on Advanced Materials and Processes: Challenges and Opportunities Organized by IIT Roorkee, 30 Nov. – 02 Dec. 2017
39	Dr. V. D. Kalyankar Failure investigations of failed valve plug SS410 steel due to cracking International Conference on Material Engineering and Advanced Manufacturing Technology (MEAMT 2017) Organized by Korea Maritime and Ocean University, Busan, Korea, 25-27 Aug. 2017
40	Dr. V. D. Kalyankar Effect of PWHT on mechanical properties of pressure vessel steel International Conference on Advances in Materials and Manufacturing Applications (IConAMMA 2017), Amrita University, Bengaluru, 17-19 August 2017
41	Dr. V. D. Kalyankar Experimental investigation of welding distortion on P15E Gr.91 steel International Conference on Manufacturing Technology and Simulation (ICMTS 2017) Organized by IIT Madras, 7-8 July 2017
42	Dr. H. K. Raval Investigation on Effect of Operating and Tooling Variables during Flow Forming Process. Proceedings of 6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR-2016), COE Pune, (ISBN: 978-93-86256-27-0)

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
43	Dr. H. K. Raval An investigation of effect of material properties on forces during flow forming process. 1th international symposium on plasticity and impact mechanics. Proceedia Engineering 173 (2016) 1587-1594
44	Dr. H. K. Raval Influence of operating variables during flow forming process 5 <sup>th</sup> CIRP global web conference research and innovation for future production. Procedia CIRP 55 (2016) 146-151
45	Dr. H. K. Raval Machining of Bezier curve by MACRO programming IV <sup>th</sup> International Conference on Production & Industrial Engineering, Submission id: 11, Dr. B.R. Ambedkar National Institute of Technology, Jalandhar. 19-21 December-2016.
46	Bhosale, Vishal A., <b>Kant, Ravi</b> and Bhandarkar, B. M. Identifying Causal Relations of Critical Supply Chain Knowledge Flow Barriers for an Indian Case Organization, pp. <b>83-88</b> 8 <sup>th</sup> IEEE International Conference on Industrial Engineering and Engineering Management, <b>Bankok, Thailand</b>
47	Sudhanshu Kumar, harshit K. Dave, Keyur P. Desai Development of Mathematical Model for Surface Roughness during Radial Orbital Electro Discharge Machining Process of Inconel 718 Proceedings of 6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR- 2016)
48	Sudhanshu Kumar, Harshit K. Dave, Keyur P. Desai Investigation on Effect of Process Parameters on Dimensional Accuracy of Features Generated by Planetary EDM Proceedings of 6 <sup>th</sup> International & 27 <sup>th</sup> All India Manufacturing Technology, Design and Research Conference (AIMTDR- 2016)
49	Vratraj K. Joshi, K. P. Desai, H. K. Raval Machining of Bezier Curve by Macro Programming 4 <sup>th</sup> International Conference on Production and Industrial Engineering 2016
50	P. B. Gujarati, K. P. Desai, H. B. Naik, M. D. Atrey Novel numerical analysis of single stage GM type orifice pulse tube cryocooler ICEC26-ICMC 2016, New Delhi

(v) **Conference Proceedings / Papers presented in the National Conferences / Workshops / Seminar :**

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/
01	Azaz Kureshi, Satyanshu Kumar, Premlata Kumari, "Microwave assisted solvent extraction of fruit rinds of two important <i>Garcinia</i> species" An annual summit on research and innovation (SRI), organized by research park and innovation centre, S. V. N. I. T, Surat, on 15 <sup>th</sup> October, 2016.
02	Azaz Kureshi, Premlata Kumari, Satyanshu Kumar, "Evaluation of antioxidant activity of fruit rinds of four important <i>Garcinia</i> species" 53 <sup>rd</sup> Annual Convention of Chemists 2016, held at GITAM Institute of Science, GITAM University, Visakhapatnam-530 045, Andhra Pradesh, India on 27 <sup>th</sup> – 29 <sup>th</sup> December, 2016.
03	Azaz Kureshi, Premlata Kumari, Satyanshu Kumar, "Microwave assisted solvent extraction of three important <i>Garcinia</i> species" 104 <sup>th</sup> Indian Science Congress - 2017 held at S. V. University, Tirupati, Andhra Pradesh, on 3 <sup>rd</sup> - 7 <sup>th</sup> Jan., 2017.
04	Azaz Kureshi, Premlata Kumari, Satyanshu Kumar, "Effect of method of extraction and solvent on total phenolic content of <i>Garcinia</i> extracts" 3 <sup>rd</sup> One Day National Seminar on "Current Regulations on Herbal Drugs and Food Supplements" held at JamiaHamdard, New Delhi – 62, India on 16 <sup>th</sup> May 2017.
05	Jenifer J. Gabla, Sunil R. Mistry, Kalpana C. Maheria, "Alum KAl(SO <sub>4</sub> ) <sub>2</sub> ·12H <sub>2</sub> O: An efficient and cost effective catalyst for the one pot synthesis of Diarylpyrimidinones", Jenifer J. Gabla, Sunil R. Mistry, Kalpana C. Maheria, at 17 <sup>th</sup> National workshop on Challenges in Catalysis Science and Technology, Hyderabad, during 23 <sup>rd</sup> – 25 <sup>th</sup> June 2016.

<b>APPLIED CHEMISTRY DEPARTMENT</b>	
<b>No.</b>	<b><i>/* Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i></b>
06	D. R. Lathiya, D. V. Bhatt, K. C. Maheria, "Solid acid catalyzed biodiesel production from waste oil feedstock – A review", at Annual Summit on Research and Innovation (SRI), SVNIT, Surat, during 15 <sup>th</sup> October 2016.
07	Jenifer J. Gabla, Sunil R. Mistry, Kalpana C. Maheria, "One pot synthesis of biologically active Lophine derivatives using zeolites as green and reusable catalysts via MCRs", at Annual Summit on Research and Innovation (SRI), SVNIT, Surat, on 15 <sup>th</sup> October 2016.
08	Jenifer J. Gabla, Vasim Babuna, Kalpana C. Maheria, "Synthesis and characterization of SAPO-34 molecular sieves and their application in multicomponent reactions", at HETCAT-2016, M. S. University, Vadodara, during 10 <sup>th</sup> December 2016.
09	K. A. Shah, D. R. Lathiya, D. V. Bhatt, K. C. Maheria, "Comparative study on use of silica based catalysts for biodiesel synthesis from various oil feedstocks", at HETCAT-2016, M. S. University, Vadodara, on 10 <sup>th</sup> December 2016.

<b>APPLIED MATHEMATICS &amp; HUMANITIES DEPARTMENT</b>	
<b>No.</b>	<b><i>/* Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i></b>
01	NIL

<b>APPLIED PHYSICS DEPARTMENT</b>	
<b>No.</b>	<b><i>/* Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i></b>
01	NIL

<b>APPLIED MECHANICS DEPARTMENT</b>	
<b>No.</b>	<b><i>/* Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i></b>
01	G.R. Vesmawala Mechanical Properties of Nano Concrete First structural Integrity Conference and Exhibition (SICE-2016) Bangalore
02	G.R. Vesmawala Effect of wrap thickness and ply orientation on cracking and failure of FRP wrapped columns First Structural Integrity Conference and Exhibition (SICE-2016) Bangalore
03	G.R. Vesmawala Identification of Delamination in Composite Beams Using Mode Shape Based Methods First Structural Integrity Conference and Exhibition (SICE-2016) Bangalore
04	G.R. Vesmawala Structural Damage Detection of Reinforced Concrete Slab Using Modal Characteristics First Structural Integrity Conference and Exhibition (SICE-2016) Bangalore
05	G.R. Vesmawala Ambient Vibration Testing of Ichchapore Bridge in Surat City International Conference on Innovative Trends in Civil Engineering for Sustainability (ICICES – 2016)
06	G.R. Vesmawala Experimental Studies on Slab Deck Type Bridge under Traffic Induced Vibration 10th Biennial Event, Structural Engineering Convention 2016, SEC-2016, IIT Madras
07	Dr. C D Modhera Experimental Study On The Strength Aspects Of M50 And M60 Grade Concrete Containing Waste Of Steel Making Industry International Conference On Materials Science & Technology At Delhi DOI: 10.5185/icmtech
08	Dr. C D Modhera Experimental Investigation On High Performance Concrete Containing Steel Industry Waste Focusing Rapid Chloride Penetration Test 42 <sup>nd</sup> Conference on Our World in Concrete & Structures, Proceeding, Singapore , pp. 151-158
09	Dr. C D Modhera Laboratory Investigation On The Mechanical Behavior Of Concrete

<b>APPLIED MECHANICS DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</b>
	Containing Steel Industry Waste 33 <sup>rd</sup> National Convention of Civil Engineers Organized by Gujarat State Center The Institution of Engineers
10	Dr. C D Modhera Effect Of Colloidal Nano Silica (Cns)On Properties Of High StrengthConcrete At Elevated Temperature Volume 8, Issue 4, pp. 618–628, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
11	Dr. C D Modhera Utilization Of Sanitary eramic Wastes In Concrete Volume 8, Issue 4, pp. 711-718, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
12	Dr. C D Modhera Comparative Parametric Study For Post-Tension Flat Slab And Flat Slab With Drop System Volume 8, Issue 4, pp. 33–41, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
13	Dr. C D Modhera Experimental Study On The Strength Aspects Of M50 And M60 Grade Concrete Containing Waste Of Steel Making Industry International Conference On Materials Science & Technology At Delhi DOI: 10.5185/icmtech
14	Dr. C D Modhera Experimental Investigation On High Performance Concrete Containing Steel Industry Waste Focusing Rapid Chloride Penetration Test 42 <sup>nd</sup> Conference on Our World in Concrete & Structures, Proceeding, Singapore , pp. 151-158
15	Dr. C D Modhera Laboratory Investigation On The Mechanical Behavior Of Concrete Containing Steel Industry Waste 33 <sup>rd</sup> National Convention of Civil Engineers Organized by Gujarat State Center The Institution of Engineers
16	Dr. C D Modhera Effect Of Colloidal Nano Silica (Cns)On Properties Of High StrengthConcrete At Elevated Temperature Volume 8, Issue 4, pp. 618–628, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
17	Dr. C D Modhera Utilization Of Sanitary eramic Wastes In Concrete Volume 8, Issue 4, pp. 711-718, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
18	Dr. C D Modhera Comparative Parametric Study For Post-Tension Flat Slab And Flat Slab With Drop System Volume 8, Issue 4, pp. 33–41, ISSN Print: 0976-6308 and ISSN Online: 0976-6316
19	C. H. Solanki, Vasanwala. S. A Experimental Investigation on Geotechnical Properties of Nano-Chemically Treated Soil Indian Geotechnical Conference
20	C. H. Solanki, Vasanwala. Experimental Investigation and Microstructural Analysis of Nano-Chemically Treated Clayey Soil Indian Geotechnical Conference
21	Dr. S A Vasanwala Soil-Raft Foundation-Structural Interaction Effects on Seismic Performance of Multi-Story MRF Building with Vertical Irregularity Indian Geotechnical Conference IIT Guwahati, India

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</b>
01	Krupesh A. Chauhan, Comparison of Different Mode Choice Models for Work Trips using Data Mining Process, Indian Journal of Science and Technology
02	Krupesh A. Chauhan, Cable stayed bridge for Urban Development. A case study of Surat City, Development in India: Issues and Challenges. Veer Narmad South Gujarat University, Surat.
03	Ashish Dhamaniya, "Evaluation of pedestrian flow characteristics at roundabouts in a mixed traffic scenario", 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017
04	Ashish Dhamaniya, "Financial feasibility analysis of truck parking terminal: A case study", 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017
05	Ashish Dhamaniya, "Analysis of Vehicular Pedestrian Interaction at Urban Undesignated Mid-Block Sections", 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</b>
06	Ashish Dhamaniya, "Modelling Dynamic PCUs using Occupancy Time Approach at Urban Signalised Intersections under Mixed Traffic Conditions", 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017
07	Ashish Dhamaniya, "Vehicle Categories-wise Service Time Analysis at Tollbooths under Mixed Traffic Scenario", 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017
08	Ashish Dhamaniya, "Headway Distribution at Tollbooth in India under Mixed Traffic Condition", 4th International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017
09	Ashish Dhamaniya, "Stream Equivalency Factor: A Measure of Heterogeneous Traffic at Tollbooths in India", 4 <sup>th</sup> International Conference of Transportation Research Group of India (CTRG), IIT Bombay (India), December 17-20, 2017
10	Lukaman,E., and Patel, D. A., "Heritage Information Modeling: A conceptual framework for enhancing cultural resilience of Indian tangible and intangible heritage." Mid Term Session and Seminar on Conservation and Restoration of Heritage, Udaipur , Rajasthan, India, Indian Building Congress (IBC), 26(1), ISSN 2349-7475, 23rd -24th June, 2018.
11	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Analysis of Traffic Characteristics at Toll Plaza using Performance Box." Proceeding of 3rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), Surat, India, 11 and 12th August 2018.
12	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Level of Service at Toll Plaza under Mixed Traffic Scenario". Urban Mobility India Conference, Hyderabad, India, November 4-6, 2017.
13	Dongre, P., Jha, K.N., and Patel, D. A., "Structural Equation Modelling of work injuries in the construction sector." International Conference on Safety, Safety Centre, Indian Institute of Technology, Gandhinagar, Jan.3-4, 2017.
14	Patel, C. and Patel, S., 2017. Public Bike Sharing: An Approach towards Sustainable Transportation a Case Study of CBD in Indian Context. In: The Urban Mobility India (UMI) Conference and Expo. Hyderabad, India. 4-6 November 2017.
15	Chaudhary P M, Harsh Shah, Joshi G J and Arkatkar S S (2016) Rural Road Pavement subgrade & sub base Improvement with the Use of lime, lime & fly ash and Geosynthetics in South Gujarat region, National Conference on Fifteen Years of PMGSY, 6-7, August, 2016 at IIT Roorkee.
16	Rakesh Kulakarni, AkhileshChepuri, ShriniwasArkatkar, Gaurang Joshi, (2016). "Estimation of Saturation Flow at Signalised Intersections under Heterogeneous Traffic Conditions". , In Proceedings of 3rd Conference of Transportation Systems Engineering and Management (CTSEM), Bangalore, India
17	Vinayaraj VS, Vasudevan N, Chaudhari A, ShriniwasArkatkar and Gaurang Joshi. (2016). "Modelling of pedestrians Gap acceptance behaviour at midblock Crosswalks sections in Indian Metropolitan Cities", In Proceedings of 3rd Conference of Transportation Systems Engineering and Management (CTSEM), Bangalore, India.
18	Vasudevan N., Shriniwas S. Arkatkar, GaurangJ. Joshi (2016). "Travel Demand Elasticity Analysis for Work Purpose Trips by Heterogeneous Travellers in Indian Metropolitan City, Surat", In Proceedings of 3rd Conference of Transportation Systems Engineering and Management (CTSEM), Bangalore, India.
19	Srinivasula Reddy, Akhilesh Chepuri, Narayana Raju, Shriniwas S. Arkatkar, Gaurang Joshi (2016)."Safety Evaluation for Un-Signalized Intersections In Heterogeneous Traffic Conditions Using Simulation", In Proceedings of 3rd Conference of Transportation Systems Engineering and Management (CTSEM), Bangalore, India
20	Akhilesh Chepuri, Jairam R, Shriniwas S. Arkatkar, Gaurang Joshi (2016)."Travel Time Reliability-Based Performance Indicators Assessment for Bus Routes Using GPS-Based Bus Trajectory under Mixed Traffic Conditions" In Proceedings of 3rd Conference of Transportation Systems Engineering and Management (CTSEM), Bangalore, India
21	Pallav Kumar, Shriniwas Arkatkar, Gaurang Joshi, Area Occupancy Based Optimized PCU values for multilane urban roads in India, accepted for presentation in 3rd CTSEM Conference held in Bangalore from 24th Nov 2016 to 25th Nov 2016.

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</b>
	Narayana Raju, Pallav Kumar, Chakradhar Reddy, Shriniwas S. Arkatkar, Gaurang Joshi, Methodology of Developing Vehicular Trajectories under Heterogeneous Traffic Conditions, accepted for presentation in 3rd CTSEM Conference held in Bangalore from 24th Nov 2016 to 25th Nov 2016.

<b>CHEMICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</b>
01	Siddhant Patel and <b>Jignasa V. Gohel</b> , Synthesis and characterization of Copper Zinc Tin Sulfide films prepared by spray pyrolysis deposition, Paper presented at International Conference on Sustainable Development for Energy and Environment, (ICSDEE-2017)", held at National Chemical Laboratory, Pune, India, January 16-17, 2017 (Paper No. EN-102) ISBN No. 978-93-24457-19-0.
02	Nishtha Rathore and <b>Z.V.P. Murthy</b> , Pervaporation of Different Systems - An overview of latest literature, Presented at the NSST 2016: 2 <sup>nd</sup> National Symposium on Advances in Separation and Purification Science & Technology, held at G.H. Patel College of Technology and Engineering, Vallabh Vidyanagar, Gujarat, during September 23-24, 2016. (Paper No. SST-39; Page 58).
03	Nitu Kumari, <b>Jignasa V. Gohel</b> and Sanjaykumar R. Patel, Effect of type of precursor on optical, structure and Morphological properties of ZnO thin films, Presented at SVNIT: Annual summit on research and innovation (SRI-2016), 15 October, 2016.

<b>COMPUTER ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</b>
01	Mukesh A. Zaveri, Saurabh K. Pandey and J. Sathish Kumar," Collaborative Service Oriented Smart Grid using the Internet of Things", Proceedings of Fifth IEEE International Conference on Communication and Signal Processing (ICCSP 2016), pp. 1412-1418, 6-8 April 2016, Melmaruvathur, Tamilnadu, India.
02	Ankita N. Chadha, Mukesh A. Zaveri and Jignesh N. Sarvaiya, "Optimal Feature Extraction and Selection Techniques for Speech Processing: A Review", Proceedings of Fifth IEEE International Conference on Communication and Signal Processing (ICCSP 2016), 6-8 April 2016, Melmaruvathur, Tamilnadu, India.
03	J. Sathish Kumar and Mukesh A. Zaveri, "Clustering for collaborative processing in IoT network", Proceedings of Second ACM International Conference on IoT in Urban Space, pp. 95-97, May 2016, Japan.
04	Saurabh K. Pandey and Mukesh A. Zaveri, "Localization for collaborative processing in the internet of things framework", Proceedings of Second ACM International Conference on IoT in Urban pace, pp. 108-110, May 2016, Japan.
05	Ruchi Aggarwal, Sudhir Agarwal and Mukesh A. Zaveri, "Design and Development of Multiservice Network for Mobile Satellite Services", Proceedings of IEEE International Conference on Inventive Computation Technologies (ICICT 2016), 26-27 August 2016, Coimbatore, Tamilnadu, India.
06	J Sathish Kumar and Mukesh Zaveri, "Hierarchical Clustering for Dynamic and Heterogeneous Internet of Things", Proceedings of Elsevier/IEEE 6th International Conference on Advances in Computing and Communications (ICACC-2016) Theme: Ubiquitous computing & communication systems for a smarter world, Elsevier Procedia Computer Science, pp. 276-282, 6-8 September 2016, Kochi, India.
07	Ankita Chadha, Mukesh Zaveri and Jignesh Sarvaiya, "Isolated Word Recognition using Neural Network for Disordered Speech", Proceedings of IASTED International Conference on Telehealth and Assistive Technology (TAT 2016), 6-7 October 2016, Zurich, Switzerland.
08	Saurabh K Pandey and Mukesh A Zaveri, "Optimized Deployment Strategy for Efficient Utilization of the Internet of Things", Proceedings of IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT 2016), pp.

<b>COMPUTER ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</b>
	192-197, 2-3 December 2016, Pune, India.
09	Kaveri V Sonani, Mukesh A Zaveri, Sanjay Garg," Human Gesture Analysis for Action Recognition", Proceedings of IEEE International Conference on Advances in Electronics, Communication and Computer Technology (ICAECCT 2016), 2-3 December 2016, Pune, India.
10	Rutal S. Mahajan and Mukesh A. Zaveri, "Machine Learning based Paraphrase Identification System using Lexical Syntactic Features", Proceedings of IEEE International Conference on Computational Intelligence and Computing Research (ICCIC 2016), 15-17 December 2016, Thalambur, Chennai, Tamilnadu, India.
11	J. Sathish Kumar and Mukesh A. Zaveri, "Graph based Clustering for Two-tier Architecture in Internet of Things", Proceedings of 9th IEEE International Conference on Internet of Things (iThings 2016), pp. 229-233, 16-19 December 2016, Chengdu, China.
12	Meghavi Choksi, Saurabh K Pandey, Mukesh A Zaveri and Sanjay Garg, "Dynamic Localization Algorithm forWireless Sensor Networks", Proceedings of International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2016), Springer, Advances in Intelligent Systems and Computing (AISC) series, 21-23 December 2016, Bhubaneswar, Ordisha, India.
13	Ankita Chadha, Mukesh Zaveri and Jignesh Sarvaiya, "Optimized Spectral floor in Multi-band Spectral Subtraction for Dysarthric Speech Recognition", Proceedings of 4th IEEE International Conference on Signal Processing and Integrated Networks (SPIN 2017), 2 - 3 February 2017, Noida, India.
14	Bharat Tidke, Rupa Mehta, Jenish Dhanani, "Knowledge Discovery from Social Media", National Conference on Business Studies & Social Sciences, Christ University, Bangalore, India, 9-10 March 2017.
15	Yash Parikh, Abhinivesh Palusa, Shrivankumar Kasthuri, R Mehta and D Rana, "Efficient Word2Vec Vectors for Sentiment Analysis to improve Commercial Movie Success", First International Conference on Advanced Computational and Communication Paradigms, Sikkim, India, 2017.
16	Litun Patra, Udai Pratap Rao, "Internet of Things – Architecture, Applications, Security and other Major Challenges", In the proceedings of 10th INDIACom; 2016 3rd International Conference on Computing for Sustainable Global Development, March, pp. 1894- 1899, 2016
17	Brijesh B Mehta, Udai Pratap Rao, Nikhil Kumar, and Sravan Kumar Gadekula, "Towards Privacy Preserving Big Data Analytics", In the proceedings of Sixth International Conference on Advanced Computing & Communication Technologies (ACCT-2016), Research Publishing, pp. 28-35, Sept. 2016. ISBN: 978-981-11-0783-2, doi:10.3850/978-981-11-0783-2 390.
18	Dilay Parmar, A. Sathish Kumar, Ashwin Nivangune, Padmaja Joshi, and Udai Pratap Rao, "Discovery and Selection Mechanism of Cloudlets in a Decentralized MCC environment", In the proceedings of third IEEE/ACM International Conference on Mobile Software Engineering and Systems (MOBILESoft 2016), ACM, Austin (TX), USA, 2016.
19	Shah, U. S., Patel, S., & Jinwala, D. (2016). Specification of Non-Functional Requirements: A Hybrid Approach, 3rd International Workshop on Requirements Engineering and Testing, March 14, 2016, Gothenburg, Sweden.

<b>ELECTRONICS ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</b>
01	NIL

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</b>
01	Dharmesh D. Patel, K. D. Mistry, N. G. Chothani Digital Differential Protection of Power Transformer using DFT Algorithm with CT Saturation Consideration IEEE 19th National Power System Conference NPSC-2016, IIT Bhubaneswar 19-21 December 2016

<b>MECHANICAL ENGINEERING DEPARTMENT</b>	
No.	/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/
01	Parth D. Shah, S. P. Doodhwala, S. A. Channiwala Fuel Air Cycle Analysis of Producer Gas Fired S. I. Engine with Cp, Cv variation & Dissociation National Conference on "Progress, Research and Innovation in Mechanical Engineering" Prime-2017 organized by SCET, Surat during 25-26 March 2017
02	Taha Poonawala, Jeetendra Kumar, R. N. Patel, S A. Channiwala Design of Mixed Flow Compressor- A Review and Limits of Design Parameters National Conference on "Progress, Research and Innovation in Mechanical Engineering" Prime-2017 organized by SCET, Surat during 25-26 March 2017
03	Taha Poonawala, Nihar Thakkar, Hardikkumar Bhavsar, S. A. Channiwala Flow Through a Convergent – Divergent Nozzle – Theoretical, CFD and Experimental Studies National Conference on "Progress, Research and Innovation in Mechanical Engineering" Prime-2017 organized by SCET, Surat during 25-26 March 2017
04	Dr. T. N. Desai Development of enabler based hierarchical structure to facilitate the implementation of Lean Six Sigma National Conference on "Innovative Trends in Mechanical Engineering" Shri Mata Vaishno Devi University, Katra, J&K March 3, 2017
05	Satish More, Dhanajay Bhat, Jyoti Menghani Study the slurry Erosion Behaviour of Brass using slurry pot test rig under solid liquid slurry ICRIEAT 2017 Hyderabad 21-22 <sup>nd</sup> Dec 2017 ISBN978-93-86647-85-6
06	Dr. H. K. Raval Parametric study of Friction Stir Welding (FSW) of AA 6061 using Taguchi method IPROMM-2016 challenges in manufacturing, NIT-Nagpur, December 2016.
07	Dr. H. K. Raval FE analysis of 3-roller forward flow forming process for 45 CrNiMoV IPROMM-2016 challenges in manufacturing, NIT-Nagpur, December 2016.
08	S. R. More (Ph.D Scholar) <b>Dr. D. V. Bhatt</b> Dr. J. V. Menghani An Overview on Upgradation of Different Laboratory Test Rig use to Study the Slurry Erosion Wear National Conference on Thermal Fluid Science and Tribo Application, NCTFSTA2016, 27th -28th May, 2016, SVNIT, Surat, Gujarat, India.
09	A. B. Kakade (Ph.D Scholar) <b>Dr. D. V. Bhatt</b> Dr. J. V. Menghani Study the tribological parameters of three roller sugar cane mill industry – Research Overview National Conference on Thermal Fluid Science and Tribo Application, NCTFSTA2016, 27th -28th May, 2016, SVNIT, Surat, Gujarat, India.
10	Chakradhar. B. (Ph.D Scholar) Dr. B. M. Sutaria <b>Dr. D. V. Bhatt</b> An Overview on tool wear mechanisms in metal cutting National Conference on Thermal Fluid Science and Tribo Application, NCTFSTA2016, 27th -28th May, 2016, SVNIT, Surat, Gujarat, India.
11	Hetal. K. Trivedi (Ph.D Scholar) <b>Dr. D. V. Bhatt</b> Experimental Analysis of Frictional Behaviour of Cylinder Liner-Piston Ring Combination with Commercial Lubricants National Conference on Thermal Fluid Science and Tribo Application, NCTFSTA2016, 27th -28th May, 2016, SVNIT, Surat, Gujarat, India.

**(vi) Conference / Workshops / Seminar / Stmposium / Short Term Programmes organized at SVNIT**

<b>Civil Engineering Department</b>				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	J. N. Patel	Training Programme to Technical Personnel of SMC	Surat Municipal Corporation, Surat	February 2018 to May 2018
2	V L Manekar P L Patel	STTP on 'Computational Mechanics and Modeling	(CMM 2016)' Self-financed	Dec. 26-30, 2016
3	P V Timbadiya P L Patel	STTP on 'Design of Storm Water Network for Smart City: Theory and Practice – II'	Self-financed	Jan. 2-7, 2017
4	S M Yadav	River Flood Analysis and Modeling	TEQIP-II	Dec. 19-21,2016
5	S M Yadav	Role of Alumina in the development of Institute	CED SVNIT	Nov. 18, 2016



<b>Civil Engineering Department</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency / Self financed</b>	<b>Period</b>
6	S M Yadav	Carrier Counseling	Bomika In association with SVNIT AA, Surat chapter	Sep. 6, 2016
7	S M Yadav	Key to Success	Anand Nidu, regional LN International South Gujarat	Sep. 6, 2016
8	M Mansoor Ahammed K D Yadav	Advances in Waste Management Techniques	TEQIP	Jan. 23-27, 2017
9	M Mansoor Ahammed K D Yadav	Two-Day finishing school on Statistics for Experimenters (TEQIP)	TEQIP	March 28-2, 2017
10	P L Patel V L Manekar P V Timbadiya	National Conference on "Water Resources and Flood Management with special reference to Flood Modeling (WRFM 2016)"	Center of Excellence on TEQIP-II	Oct 14-15, 2016
11	V L Manekar P L Patel	One-week Self-Financed Short Term Training Programme on Computational Mechanics and Modeling (CMM2016)	Self-financed	Dec. 26-30, 2016.
12	V L Manekar	Workshop on "PG WRE Curriculum Revision"	Institute fund	April 28, 2017.
13	KA. Chauhan	Unnat Bharat Abhiyan: Way Forward	UBA Cell, SVNIT	March 03-04, 2016
14	Rakesh Kumar	Two week teqip-ii sponsored sttp on "state of art practices for characterisation of pavement materials and evaluation of pavements"	TEQIP-II SPONSORED STTP SVNIT, Surat, Gujarat	Oct 17-28, 2016
15	Rakesh Kumar	One week self financedsttp on road planning, design, construction, operation, evaluation and rehabilitation,	SELF FINANCED STTP SVNIT, Surat, Gujarat	May 10-14, 2016
16	Rakesh Kumar	One week self financedsttp on "state of art transportation laboratory investigation and analysis"	SELF FINANCEDSTTP SVNIT, Surat, Gujarat	May 10 -14, 2016
17	B. N. Tandel	Two days' workshop on "Noise and Air pollution: Challenges and opportunities" (NAP-COP 16)	TEQIP-II	Oct 15-16, 2016
18	B. N. Tandel	1st National conference on "Recent advances in Civil Engineering" (RACE-16)	TEQIP-II	March 5-6, 2016
19	D A Patel J N Patel	Two weeks Self-financed STTP on "Research Methodology for Civil Engineering and Management"	Self Financed	May 16-27, 2016
20	D A Patel	Two Day Workshop on Ethics in Technical Education: Challenges and Solutions	TEQIP	Nov 18-19, 2016
21	C R Patel	Building Development: Challenges and way forward	TEQIP	Dec 19-23, 2016

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Programme</b>	<b>Date of Programme</b>
1.	Dr. S. A. Channiwala Dr. A. V. Doshi	QIP One Week STTP on "Advances in Theory and Design of Turbomachines"	7-12 November 2016
2.	Dr. S. A. Channiwala	TEQIP-II Sponsored STTP on "Theory	20-25 February 2017

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Programme</b>	<b>Date of Programme</b>
	Dr. A. V. Doshi Mr. V. K. Patel	and Design of Pumps and Turbine”	
3.	R. V. Rao	16 <sup>th</sup> one-week short term training program on “Advanced engineering optimization through intelligent techniques”	22-26 August 2016
4.	R. V. Rao	17 <sup>th</sup> one-week short term training program on “Advanced engineering optimization through intelligent techniques”	6-10 February 2017
5.	R. V. Rao	18 <sup>th</sup> one-week short term training program on “Advanced engineering optimization through intelligent techniques”	27-31 March 2017
6.	S. N. Pandya, Dr. A.lal, Dr. J.V.Menghani	ADVANCES IN MATERIAL SCEINCE AND ENGINEERING (AMSE-2016) (Under TEQIP-II)	October 10 to 14, 2016
7.	Dr. T. N. Desai	Short Term Training Program on “New Trends in Industrial Engineering” under Technical Education Quality Improvement Programme (TEQIP) Phase II at SVNIT, Surat	January 23-27, 2017
8.	<b>Dr. Bade Mukund</b> , Mr. Patel Nikunj G.	One week STTP On “Fundamentals of Energy Management and Applications (FEMA 2016)” Under TEQIP-II- )	OCT 10-14, 2016
9.	Doshi Ashish V./ <b>Dr. Bade Mukund H.</b>	One week STTP On “LIFE LONG RESEARCHER (LLR-III 2018)” Supported by TEQIP-III	March 5-9, 2018
10.	Dr. H. K. Raval	One week Second STTP Tools and Techniques for Effective Teaching and Research	13 Feb to 17 Feb, 2017
11.	Dr. H. K. Raval	Recent Advances in Manufacturing (RAM-2016)	May 12-14, 2016
12.	Dr. Tushar N. Desai Dr. Ravi Kant	TEQIP-II STTP on “New Trends in Industrial Engineering”	July1-5, 2016
13.	Dr. V. D. Kalyankar	Modeling and Optimization Techniques for Engineering Applications (MOTEA-II)	26-30 December 2016
14.	Dr. V. D. Kalyankar	Modeling and Optimization Techniques for Engineering Applications (MOTEA-III)	27 February - 03 March 2017
15.	Dr. D. V. Bhatt	3-Day’s Hands-on training workshop on SOLAR POWER PLANT	21 <sup>st</sup> to 23 <sup>rd</sup> July 2016
16.	Dr. D. V. Bhatt	5s Quality Measure	14 <sup>th</sup> March 2017

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Programme</b>	<b>Date of Programme</b>
17.	Dr. D. V. Bhatt	Maintenance Engg, Industrial Safety	15 <sup>th</sup> – 16 <sup>th</sup> March 2017
18.	Dinesh Singh	One Week Short Term Training Program on “Modeling and Optimization Techniques for Engineering Applications (MOTEA-II)”	December 26-30, 2016
19.	Dinesh Singh	One Week Short Term Training Program on “Modeling and Optimization Techniques for Engineering Applications (MOTEA-III)”	February 27 – March 03, 2017
20.	Dinesh Singh	Two days workshop on “Advanced Optimization Techniques and Decision Making Methods”	February 17-18, 2017

<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Period</b>
01	Mr. G. Santra	Practical electromagnetic for modern antennas, RF and Microwave Designs	27/06/-2/07/2016
02	Dr. A.D. Darji	COMSOL Multiphysics and Application Builder Workshop	22/07/2016
03	Dr. K.P. Upla	Paper and Article writing with LaTeX	13-14/08/2016
04	Mr. P.K. Shah	Holistic Approach For Technical Education –Role Of Teachers	12-16/09/2016
05	Dr. J.N. Sarvaiya Dr. A. D. Darji	Emerging Trends In Signal And Image Processing	13-17/09/2016
06	Dr. K.P. Upla	Hands-on Practice on LATEX	7-9/10/2016
07	Dr. K.P. Upla	Basics of OpenCV and Python	15/10/2016
08	Dr. J.N. Sarvaiya Dr. A. D. Darji Dr. (Mrs.) S. N. Shah	New Trends in Signal Processing (NeTSiP-2016)	20-1/10/2016
09	Dr. A. D. Darji	FPGA based Digital System Design using VHDL	22-23/10/2016
10	Dr. K. P. Upla	Image Processing using OpenCV and Python	3-5/12/2016
11	Dr. K. P. Upla	Paper and Article Writing with LaTeX	21-25/1/2017
12	Dr. (Mrs.) R. N.Dhavse, Dr. (Mrs.) S.Gupta	ANDROIDBOTIX	15-16/10/2016
13	Dr. (Mrs.) R. N.Dhavse, Dr. (Mrs.) S.Gupta	Internet Of Things	15-16/10/2016
14	Dr. J, N. Sarviya	NETSIP-2016(20-21th oct) joint organized by SVNIT, SCET	20-21/10/2016
15	Dr. A.D. Darji Dr. (Mrs.) R. N. Dhavse Dr. Z. M. patel	QIP Short Term Course on “Digital Vlsi Design”	19-23/10/2016
16	Dr. Anand Darji Prof. R. P. Gohil	Two-Week Iste Sttp On Cmos, Mixed Signal And Radio Frequency Vlsi Design National Mission on Education	30-4/01/2017
17	Dr. A. D. Darji	A four-day workshop on Mentor Graphics	9-12/1/2017

<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Period</b>
		Tool Training	
18	Dr. K.P.Upla	Paper and Article Writing with LaTeX	21-25/1/2017
19	Dr. A. D. Darji, Ph.D., Workshop Coordinator Department of Electronics Engineering, NIT Surat.  Prof. R. P. Gohil, Remote center Coordinator (RC ID 1010), Department of Computer Engineering, NIT Surat.	Two week ISTE STTP on "CMOS Mixed Signal and Radio Frequency VLSI Design", Under the National Mission on Education through ICT.	30/01/17 to 04/02/17
20	Dr. (Mrs.) U.D. Dalal Dr. P.N.Patel	Training cum Workshop for Supervisors and Technicians of Indian Railways For Upgrading Their Skills	1st Batch Programme Schedule (6-11 February 2017  2nd Batch Programme Schedule (13-11 February 2017
21	Dr. A. D. Darji Dr. (Mrs.) R. N. Dhavsé	Installation and demonstration-cum- training of Keithley-make Semiconductor Characterization System (SCS 4200)	15/02/2017
22	Dr. (Mrs.) S. Gupta Dr. (Mrs.) R. N. Dhavsé	two days event "Hertz and Sundeep Memorial Project Competition (SMPC)" In this students are organizing many activities like Robomania, Circuitrix, Aavhan, E-Quiz, Sculptura, Coding Events, Smackdown etc.	25-26/03/ 2017
	Dr. K.P.Upla Dr. J N Sarvaiya	Finishing School on "Machine Learning using OpenCV and Python" during	18-19/03/2017
	Dr.(Mrs.) Rasika Dhavsé	Workshop: Monte Carlo Simulation using Synopsys TCAD Tool	17/05/ 2017 10.30 am to 06.00 pm
	Dr. A.D. Darji	Two-Week Iste Sttp On Cmos, Mixed Signal And Radio Frequency Vlsi Design National Mission On Education	30/01/17 to 04/02/17

<b>Computer Engineering Department</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency/ Self financed</b>	<b>Period</b>
1	Mukesh A. Zaveri	Five-days QIP sponsored Short Term Course on Statistical Methods	QIP Sponsored organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	19 - 23 December 2016
2	Mukesh A. Zaveri	Five-days Short Term training Programme (STTP) on Big Data Analytics (BDA 2016)	under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	27 June - 1 July, 2016

Computer Engineering Department				
No.	Faculty	Name of Programme	Sponsoring Agency/ Self financed	Period
3	Mukesh A. Zaveri	Five-days Short Term Training Programme (STTP) on Design and Analysis of Algorithms (DAA 2016)	under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	23-27 May, 2016
4	Mukesh A. Zaveri	Coordinator for a Five-days Short Term training Programme (STTP) on Wireless Network and Mobile Computing (WMC 2016)	under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	16-20 May, 2016
5	Dr. D. P. Rana	Recent Trends in Big Data Analytics (RTBDA-2017)	under the Technical Education Quality Improvement Programme (TEQIP) II at SVNIT, Surat	27 <sup>th</sup> February-3 <sup>rd</sup> March
6	Dr. D. P. Rana	'C' Programming for Engineers (CPE-2017)	Self Sponsored at SVNIT, Surat	4 <sup>th</sup> -9 <sup>th</sup> December (Excl. 6 <sup>th</sup> )
7	Dr. D. P. Rana	Advanced 'C' Programming for Engineers (ACPE-2017)	Self Sponsored at SVNIT, Surat	11 <sup>th</sup> -15 <sup>th</sup> December
8	Dr. R. G. Mehta	Recent Trends in Big Data Analytics (RTBDA-2017)	under the Technical Education Quality Improvement Programme (TEQIP) II at SVNIT, Surat	27 <sup>th</sup> February-3 <sup>rd</sup> March
9	Dr. R. G. Mehta	'C' Programming for Engineers (CPE-2017)	Self Sponsored at SVNIT, Surat	4 <sup>th</sup> -9 <sup>th</sup> December (Excl. 6 <sup>th</sup> )
10	Dr. R. G. Mehta	Advanced 'C' Programming for Engineers (ACPE-2017)	Self Sponsored at SVNIT, Surat	11 <sup>th</sup> -15 <sup>th</sup> December
11	Dr Udai Pratap Rao	Big Data Analytics (BDA 2016) at Computer Engineering Department, SVNIT Surat	TEQIP-II at SVNIT, Surat	27 <sup>th</sup> June-01 <sup>st</sup> July 2016
12	Dr Udai Pratap Rao	<b>Big Data and Hadoop (BDH 2016)</b> at Computer Engineering Department, SVNIT Surat	TEQIP-II at SVNIT, Surat	24-28 October, 2016
13	Dr Udai Pratap Rao	Advances in Big Data Analytics at Computer Engineering Department, SVNIT Surat	TEQIP-II at SVNIT, Surat	12-16 December, 2016
14	R P Gohil	Mixed Signal and Radio Frequency Vlsi Design at IIT Kharagpur &	Online course at SVNIT, Surat	30-Jan-17 to 04 —17 Feb 2017

Computer Engineering Department				
No.	Faculty	Name of Programme	Sponsoring Agency/ Self financed	Period
		Electronics Engg. Dept.(ECED)		

CHEMICAL ENGINEERING DEPARTMENT				
<p><b>1. Dr. Mausumi Mukhopadhyay Dr. V. N. Lad, Dr. C. M. Patel and DR. Z.V.P.Murthy</b>, organized TEQIP-II sponsored International Conference on ‘Nanotechnology Applications: Chemical, Energy and Environment’, March 22-23, 2017, SVNIT-Surat.</p> <p><b>2. Dr Mousumi Chakraborty and Dr. Smita Gupta</b> as Coordinators organized TEQIP sponsored STTP “Process intensification in chemical industries, 6<sup>th</sup>-10<sup>th</sup> Feb,2017, ChED, SVNIT.</p> <p><b>3. Dr. Meghal A. Desai, Dr. Sanjay R. Patel, Dr. Girirajsinh C. Jadeja</b> organized QIP sponsored One week Short Term Training Programme on “Green Concepts in Engineering and Chemistry” during 12/12/2016 to 16/12/2016.</p> <p><b>4. Dr. Meghal A. Desai</b> organized TEQIP-II sponsored “Annual Summit on Research and Innovation” on 15/10/2016.</p> <p><b>5. Dr. Meghal A. Desai, Dr. Sanjay R. Patel, Dr. V. N. Lad, Dr. G. C. Jadeja, Dr. Z. V. P. Murthy</b> organized TEQIP-II sponsored One week STTP on “Recent Trends in Chemical Engineering” during 11/07/2016 to 15/07/2016.</p> <p><b>6. Dr. Meghal A. Desai, Dr. Sanjay R. Patel</b> organized TEQIP-II sponsored One week STTP on “Design of Experiment for Process Optimization” during 06/06/2016 to 10/06/2016.</p> <p><b>7. Dr Mousumi Chakraborty and Dr. Smita Gupta</b> organized TEQIP-II sponsored STTP “Carbon Neutral Energy Sources”, 9<sup>th</sup>- 13<sup>th</sup> May, 2016, ChED, SVNIT.</p>				

Applied Mathematics And Humanities Department				
Sr. No.	Faculty	Name Of Programme	Sponsoring Agency/ Self Financed	Period
1.	Dr. Jayesh M. Dhodiya Dr. Yogesh Sonvane	One week STTP “Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications ”	TEQIP-II, SVNIT, Surat	16 <sup>th</sup> – 20 <sup>th</sup> January, 2017
2.	Dr. Ramakanta Meher	TEQIP Sponsored STTP on “Advances in Computational Heat and Mass Transfer”	TEQIP-II	1 <sup>st</sup> - 5 <sup>th</sup> August 2016
3.	Dr. Ramakanta Meher	TEQIP Sponsored STTP on “Recent Advances in Computational Fluid Dynamics”	TEQIP-II	13 <sup>th</sup> - 17 <sup>th</sup> March- 2017
4.	Dr. V. H. Pradhan	One week STTP on “Modeling and Simulation for Researchers, Engineers and Scientist”	TEQIP II, SVNIT	11 <sup>th</sup> - 15 <sup>th</sup> July, 2016

Applied Chemistry Department				
No.	Faculty	Name of Programme	Sponsoring Agency/ Self Financed	Period
1.	Dr. Smita Jauhari,	Recent Trends in Applied Chemical Sciences and Technology	TEQIP-II	17 <sup>th</sup> – 21 <sup>st</sup> October 2016.

2.	Dr. Smita Jauhari,	Current Scenario in Chemical Sciences and Technology	TEQIP-II	25 <sup>th</sup> – 29 <sup>th</sup> , January 2017
3.	Dr. Premlata Kumari	Sophisticated Analytical Techniques in Surface Chemistry	TEQIP-II	19 <sup>th</sup> - 23 <sup>rd</sup> September 2016
4.	Dr. Premlata Kumari	Recent Trends in Applied Chemical Sciences and Technology	TEQIP-II	17 <sup>th</sup> – 21 <sup>st</sup> October 2016.
5.	Dr. Premlata Kumari	Current Scenario in Chemical Sciences and Technology	TEQIP-II	25 <sup>th</sup> – 29 <sup>th</sup> , January 2017
6.	Dr. Kalpana C. Maheria	Recent Trends in Applied Chemical Sciences and Technology, (RTACST-2016) at Department of Applied Chemistry, SVNIT, Surat, Gujarat.	TEQIP-II	17 <sup>th</sup> – 21 <sup>st</sup> October 2016
7.	Dr. Kalpana C. Maheria	Current Scenario in Chemical Sciences and Technology, (CSCST-2017) during at Department of Applied Chemistry, SVNIT, Surat, Gujarat.	TEQIP-II	25 <sup>th</sup> – 29 <sup>st</sup> January 2017
8.	Dr. Bharat Dholakiya	Organized TEQIP-II Sponsored Short Term Training Programme on Micro- & Macro Chemistry Meets Technological Developments (M <sup>2</sup> CMTD-2016) at Applied Chemistry Department, SVNIT, Surat	TEQIP -II	6 <sup>th</sup> – 10 <sup>st</sup> October 2016.
9.	Dr. Bharat Dholakiya	Organized TEQIP-II Sponsored Short Term Training Programme on Journey of Analytical Techniques in Chemical and Biological Sciences (JATCBS-2016) at Applied Chemistry Department, SVNIT, Surat	TEQIP - II	19 <sup>th</sup> – 24 <sup>th</sup> December 2016
10.	Dr. Ketan Kuperkar	Short Term Training Programme on “Sophisticated Analytical Techniques in Surface Chemistry (SATSC-2016)”	TEQIP-II	19 <sup>th</sup> –23 <sup>rd</sup> September 2016

<b>Applied Physics Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name Of Programme</b>	<b>Sponsoring Agency/ Self Financed</b>	<b>Period</b>
1.	Dr. A. K. Rai, Dr. K. N. Pathak, Dr. D. R. Roy and Dr. V. A. Kheraj	Role Of Physics In Technology Development	TEQIP-II Sponsored STTP	One Week 2 - 6 Jan'17
2.	Dr. D. V. Shah	Nanotechnology and Biotechnology – The Pinnacle of Scientific efforts (NBPSE – 2017)	TEQIP – II Sponsored STTP	20 – 24 <sup>th</sup> March 2017
3.	Dr. Y. A. Sonvane	Two Week STTP on Hands on Training on Multiscale Simulation in Advanced Materials Science & Technology (HTMSAMST- 2016)	TEQIP-II sponsored	14-24 July, 2016

4.	Dr. Y. A. Sonvane	Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications	TEQIP-II sponsored	12-16 January, 2017
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<b>Electrical Engineering Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency/ Self financed</b>	<b>Period</b>
1.	Dr. Anandita Chowdhary	Two day Workshop on Women in higher Education	TEQIP (phase II)	24th to 25th February, 2017
2.	Dr. Anandita Chowdhary	One week STC on Advances in Electrical Machines	QIP AICTE	12th to 16th Dec, 2016
3.	Dr. S. N. Sharma	A week short term course on Advances in Control and Instrumentation Education and their Implementation	TEQIP II	December 12-16, 2016.
4.	Dr. S. N. Sharma	A Finishing school on 'Industrial Automations',	TEQIP II	June 20-24, 2016.
5.	Dr. Mahmadasraf A. Mulla	Three day's Self-Financed workshop on "ARM Cortex-M4 Microcontroller based Power Electronics System"	TEQIP II	24-26 Feb, 2017
6.	Dr. Mahmadasraf A. Mulla	Lecture Series on "Electrical Machines and Power Electronics"	TEQIP II	12 –13 March, 2016
7.	Dr. Mahmadasraf A. Mulla	Finishing school on Solar Photovoltaics: Fundamentals to Fabrication (SPFF)	TEQIP-II	11-12-18-19 March 2017
8.	Dr. Mahmadasraf A. Mulla	Solar Photovoltaic Energy: Contemporary Technologies and Recent Advances (SPECTRA-2016)	TEQIP-II	8-12 October 2016
9.	Dr. A. K. Panchal	Solar Photovoltaics: Fundamentals to Fabrication (SPFF)	TEQIP-II	11-12, 18-19 March 2017
10.	Dr. A. K. Panchal	Solar Photovoltaic Energy: Contemporary Technologies and Recent Advances (SPECTRA-2016),	TEQIP-II	8-12 October 2016
11.	Dr. Sabha Raj Arya	Design and Control of Power Electronic Circuits using OPAL- Real Time Simulators	TEQIP- II	March 2017
12.	Dr. Sabha Raj Arya	Power conditioning and Distributed Power Generation	Self Sponsored	Dec-2016
13.	Dr. Rakesh Maurya	Design and Control of Power Electronic Circuits using OPAL- Real Time Simulators	TEQIP II	March 2017
14.	Dr. Rakesh Maurya	Power conditioning and Distributed Power Generation	Self Sponsored	Dec.-2016
15.	Dr. Hiren G. Patel	Short Term Training program on Industrial Automation	TEQIP II	20-24 June 2016
16.	Dr. Hiren G. Patel	Finishing school Industrial Automation	TEQIP II	SVNIT Surat 3-4, 10-11 September 2016
17.	Dr. Hiren G. Patel	QIP Short Term course on Advances in Control and	QIP	12-16 December 2016



		Instrumentation Education and Implementations		
18.	Dr. Hiren G. Patel	Two week training cum work shop for Supervisors and Technician of Indian railways.	Indian Railways	6-18 February 2017
19.	Dr. Hiren G. Patel	Finishing school Industrial Automation	TEQIP II	SVNIT Surat (28-29 January and 04-05 February 2017)
20.	Dr. Khayati D. Mistry	Power Conditioning and Distributed Power Generation	Self Sponsored	26th to 30th Dec, 2016
21.	Dr. Vasundhara Mahajan	Hands On: Mathematical Modelling and Software Simulation for Power System Engineering	TEQIP II	6 – 15 June 2016
22.	Dr. Vasundhara Mahajan	Hands On: Mathematical Modelling and Software Simulation for Power System Engineering	TEQIP II	Nov. 30 – Dec. 10, 2016
23.	Dr. Vasundhara Mahajan	Women in Higher Education Role and Challenges	TEQIP II	Feb. 24 -25, 2017
24.	Dr. Vasundhara Mahajan	Learning redefined: Time to un(learn) and Re(learn)	TEQIP II	20 – 24 Feb. 2017

**Applied Mechanics Department**

No.	Name of Faculty Member	Name of Programme	Date of Programme
1	Dr. Shruti J Shukla	WORKSHOP on Elementary Course on Experiential Research (ECER-2017•	13th November to 17th November 2017
2		One Day National Seminar On “Advances In Geotechnical Engineering (AGE 2017)”	27-28 May-2017
3		Two Days National Seminar On “Pile Foundations -Advances In Design And Construction Practices”	4th NOVEMBER 2017
4	Dr. Y. D. Patil	Short term programme on earthquake engineering for engineer and architect	3 to 5 feb 2016
5	Dr. Y. D. Patil	Short term programme on earthquake engineering for engineer and architect	24 to 26 feb 2016
6	Dr. Y. D. Patil	One week Short term programme on recent advances in testing methodology and techniques for engineered materials	27 to 1 july 2016

**(vii) Expert Lectures delivered by the faculty members at SVNIT / other Institute / Organizations :**

**Civil Engineering Department**

No.	Faculty	Title of Lecture	Place & Date
1	J. N. Patel	Software for Civil Engineering	Bhagwan Mahavir College of Engineering and Technology, Surat July 27, 2017
2	J. N. Patel	Storm water Drainage System with in Conjunction with Ground Water Recharge	International Conference on Innovative Engineering Technologies (ICIET), Bangkok, Thailand

<b>Civil Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
			March 11, 2018.
3	J. N. Patel	Designing and Construction of Stormwater and Drainage Lines	Training programme to Technical Personnel of SMC, Surat February 2018 to May 2018
4	J. N. Patel	Designing and Construction of Water Supply Lines	Training programme to Technical Personnel of SMC, Surat February 2018 to May 2018
5	J. N. Patel	Civil Engineering Software and AutoCAD	Training programme to Technical Personnel of SMC, Surat February 2018 to May 2018
6	J. N. Patel	Survey Techniques	Training programme to Technical Personnel of SMC, Surat February 2018 to May 2018
7	P L Patel	Tools and Techniques for effective teaching and Research	2 <sup>nd</sup> self-financed STTP on Tools and Techniques for Effective Teaching and Research at Dept. of Mechanical Engg., SVNIT Surat Feb. 13-17, 2017
8	P L Patel	Measurement of rainfall and post processing of data	Self-financed STTP on "Design of Storm Water Network for Smart City: Theory and Practice-II" at Dept. of Civil Engg., SVNIT Surat Jan. 2-7, 2017
9	P L Patel	Development of IDF curve – I & II	Self-financed STTP on "Design of Storm Water Network for Smart City: Theory and Practice-II" at Dept. of Civil Engg., SVNIT Surat Jan. 2-7, 2017
10	P L Patel	Basic concepts of storm water flow – I & II	
11	P L Patel	Estimation of design flood for storm water design	
12	P L Patel	Hydraulic design of storm water network using spreadsheet	
13	P L Patel	Discretization methods	TEQIP-II sponsored STTP on "Computational Mechanics and Modeling (CMM 2016)", at Dept. of Civil Engg.,

<b>Civil Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
			SVNIT Surat during Dec. 26-30, 2016
14	S M Yadav	Recent advances in testing methodology and techniques for engineered materials	Short Term Training Program (STTP) at Department of Applied Mechanics, S.V.N.I.T., Surat 24 June 2016.
15	S M Yadav	Hydraulic failure of Bridges	Civil engineering Dept., SCET, Surat.
16	S M Yadav	1-D Modeling of River reach using HEC RAS to access carrying capacity	STTP organized by CED, Marvari Engineering college Rajkot Nov. 18, 2016.
17	S M Yadav	Modeling scour and flow around parallel Bridges	River Flood Analysis and Modeling, STTP, CED SVNIT, Surat Dec. 19-21, 2016
18	S M Yadav	Basics of Flood Analysis-I	River Flood Analysis and Modeling, STTP, CED SVNIT, Surat Dec. 19-21, 2016
19	S M Yadav	Tutorial on HEC RAS Software	River Flood Analysis and Modeling, STTP, CED SVNIT, Surat Dec. 19-21, 2016
20	S M Yadav	Basic of Flood Analysis II, One dimensional modeling of a River Reach	River Flood Analysis and Modeling, STTP, CED SVNIT, Surat Dec. 19-21, 2016
21	S M Yadav	Application on MIKE 11 for predicting Runoff- A case study of Nira Deoghar basin	River Flood Analysis and Modeling, STTP, CED SVNIT, Surat Dec. 19-21, 2016
22	S M Yadav	UNDP Sustainable Development Goals	Expert Lecture at SCET, Surat Feb. 07, 2017
23	S M Yadav	Selection of Water Main Using AHP	STTP organized by BVM Engineering college Vallabh Vidhyanagar March 10, 2017.
24	V L Manekar	"Basics of Computational Fluid Dynamics"	One week self-financed STTP, SVNIT, Surat Dec. 26-30, 2016
25	V L Manekar	"Flow in open channel"	Civil Engineering Department Shree Swami Atmanand Saraswati Institute of Technology, Surat Jan. 30, 2017
26	Rakesh Kumar	Impact of LWD in Low volume	NIT, RAIPUR,

<b>Civil Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
		Road Design	Dec. 8-9, 2017
27	Rakesh Kumar	Establishing a research network on vehicular emission reduction (EARNOVER)"	CSIR-CRRI, New Delhi with support from Shakti Sustainable Energy Foundation, CRRI, New Delhi Nov. 30, 2016
28	B. N. Tandel	Noise Pollution: Basic fundamentals & health impacts	Darshan Institute of Engineering and Technology, Rajkot Jan. 21, 2017
29	B. N. Tandel	EIA: What, why and how?	Birla Vishvakarma Mahavidyalaya (BVM) Engineering College, Vallabh Vidyanagar, Anand April 06, 2016
30	B. N. Tandel	Environmental Clearance in India: Legislation and procedures	Chhotubhai Gopalbhai Patel Institute of Technology, Bardoli March 11, 2016
31	S Arkatkar	Basics of Traffic Engineering and Management.	Civil Engineering Department, Gujarat Power Engineering and Research Institute, Mehsana (Gujarat) Oct, 6, 2016
32	S Arkatkar	Performance Evaluation of Surat BRTS: Few Case Studies	Bhagwan Mahavir Education Foundation, Surat on Oct. 7, 2016
33	S Arkatkar	Basics of Traffic Flow Theory	Nirma University, Department of Civil Engineering, Institute of Technology, on Oct. 13, 2016
34	S Arkatkar	VISSIM workshop and Hands on Training	Silver Oak College of Engineering for B Tech Students on March 25, 2017.
35	S Arkatkar	VISSIM workshop and Hands on Training	Parul University for B Tech and M Tech Students April 25, 2017
36	S Arkatkar	Few Important Case studies in Transportation Engineering related to Smart Infrastructure	Universal College of Engineering, June 25, 2017.

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Title of Lecture</b>	<b>Date of Programme</b>
1.	Dr. S. A. Channiwala	Next Generation Thermal Power Plant	25/03/2017
2.	Dr. S. A. Channiwala	Science and Technology Education – Nurturing An Interdisciplinary Research Eco-System	19/03/2017
3.	Dr. S. A. Channiwala	Modern Trends in Thermal Power Plants with Gasification as Sustainable Green Solution	24/02/2017
4.	Dr. S. A. Channiwala	Theory and Design of Propeller Turbine	21/02/2017
5.	Dr. S. A. Channiwala	Theory and Design of Francis Turbine	21/02/2017
6.	Dr. S. A. Channiwala	Theory and Design of Pelton Wheels – I&II	20/02/2017
7.	Dr. S. A. Channiwala	Current Energy & Emissions Scenario and New Technological Frontiers	06/01/2017
8.	Dr. S. A. Channiwala	Uncertainty Analysis	20/12/2016
9.	Dr. S. A. Channiwala	Conventional and Advanced measurement and flow visualization techniques	20/12/2016
10.	Dr. S. A. Channiwala	Research and Innovation – The Way of Life	19/12/2016
11.	Dr. S. A. Channiwala	High Performance Materials for Gas Turbine Blades and its Failure Analysis	07/11/2016 to 12/11/2016
12.	Dr. S. A. Channiwala	Tutorials on Turbomachines	07/11/2016 to 12/11/2016
13.	Dr. S. A. Channiwala	Tutorials on Combustor Design	07/11/2016 to 12/11/2016
14.	Dr. S. A. Channiwala	Tutorials on Fuels and Combustion	07/11/2016 to 12/11/2016
15.	Dr. S. A. Channiwala	Fundamentals of Jet and Turbo-Fan Engines	07/11/2016 to 12/11/2016
16.	Dr. S. A. Channiwala	Fundamentals of Gas Turbine Engine	07/11/2016 to 12/11/2016
17.	Dr. S. A. Channiwala	Design and Comfort Aspects of Hybrid Electric Vehicle (2 hr. session)	24/10/2016
18.	Dr. S. A. Channiwala	Energy Management in Boilers (2 sessions)	10/10/2016
19.	Dr. S. A. Channiwala	Understanding Welding and its Simulation	03/10/2016
20.	Dr. S. A. Channiwala	Preliminary Design & Ride Comfort Analysis of Hybrid Vehicle	23/09/2016
21.	Dr. S. A. Channiwala	Zero Effluent Discharge Coal Gasification System – A Green Energy Technology	09/09/2016
22.	Dr. S. A. Channiwala	Advances in Gasification Technology	27-28 May 2016
23.	Dr. S. A. Channiwala	Advanced Fuel Additives – A Preferred tool to monitor the Combustion in Solid Fuel Final Boiler to reduce the emission, improve the overall efficiency and enhance the residual life	30/10/2016
24.	R. V. Rao	Delivered more than 20 lectures related to	22-26 August

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Title of Lecture</b>	<b>Date of Programme</b>
		MADM and MODM techniques (at SVNIT)	2016
25.	R. V. Rao	Delivered more than 20 lectures related to MADM and MODM techniques (at SVNIT)	6-10 February 2017
26.	R. V. Rao	Delivered more than 20 lectures related to MADM and MODM techniques (at SVNIT)	27-31 March 2017
27.	R. V. Rao	Delivered a 3-hours lecture on "Research Methodology and Research Papers Publication" to the PG and Ph.D. students of the institute	December 19, 2016
28.	R. V. Rao	Delivered a 2-hours lecture on "TLBO and Jaya algorithms" to the scientists of SAC, ISRO Ahmedabad	October 14, 2016
29.	R. V. Rao	Delivered 12 lectures on "Advanced Engineering Optimization Through Intelligent Techniques" during 31 <sup>st</sup> October – 13 <sup>th</sup> November 2016 to the students, research scholars and faculty members of Cracow University of Technology, Poland.	31 <sup>st</sup> October – 13 November 2016
30.	R. V. Rao	Delivered a 3-hours lecture on "Research Methodology and Research Papers Publication" to the faculty members of Uka Tarsadia University, Bardoli, Gujarat	March 25, 2017
31.	Dr. T. N. Desai	"Total Quality Management" C.K.Pithawala College of Engineering & Technology, Surat( <b>Honorary Service</b> )	11/02/2016
32.	Dr. T. N. Desai	'Ease of doing Business for higher Productivity and Sustainable Growth' at the Inaugural function of Productivity week 2016 organized at ONGC Hazira Plant, Surat	12/02/2016
33.	Dr. T. N. Desai	"Lean and Six Sigma" Bhagwan Mahavir Education Foundation, Vesu, Surat	07/10/2016
34.	Dr. T. N. Desai	"New Trends in Quality Management" College of Engineering, Munnar, Kerala ( <b>Honorary Service</b> )	19/12/2016
35.	Dinesh Singh	Delivered the Expert Lectures on "multiple attribute decision making (MADM) methods, like, <b>AHP, VIKOR, TOPSIS, OWA, UTA, GRA, CMBA, WEDBA</b> , etc. and their applications to various manufacturing situations" in the one week faculty development programme on "Optimization Techniques for Engg Application", at S.S.G.M. College of Engineering, Shehaon, Maharashtra.	20-24 January 2018
36.	Dr. J.V. Menghani	Research areas in Mechanical Engineering department at SVNIT Expert Lecture at Department of Mechanical Engineering, College of Engineering Pune	06/12/2017
37.	Bade Mukund Haribhau	"Analysis of Centrifugal Pump and CFD Applications" One Day workshop on Fundamental and Numerical Aspects of	September 15, 2017 from 2 to 5 pm

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
		Centrifugal Pumps at Bhagwan Mahavir College of Engineering & Technology- Bharthana-Vesu, Surat	
38.	Bade Mukund Haribhau	"Invited Talk on Heat Exchangers" Bhagwan Mahavir College of Engineering & Technology- Bharthana-Vesu, Surat	September 22, 2017 at 9 to 11 am;
39.	Bade Mukund Haribhau	STTP on "Recent Trends in Refrigeration and Air Conditioning" in collaboration with ISTE on January 8-12, 2018. at Bhagwan Mahavir College of Engineering & Technology- Bharthana-Vesu, Surat	January 10th, 2018 at 1:00 PM to 4:15 PM;
40.	Dr. H.K. Dave	Delivered a lecture at Essar Steel, Hazira, Surat	13/09/2017
41.	Dr. H. K. Raval	Smart Innovation in mechanical and allied engineering	Parul University, Vadodara, March 08, 2016.
42.	Dr. H. K. Raval	Research Scope in manufacturing field	Nirma University, Ahmedabad March 29, 2016
43.	Ravi Kant	Supply Chain Practices: Past, Present and Future	Rajarambapu Institute of Technology, Rajaramnagar, International Conference on Modern Era Research in Mechanical Engineering, September 29-30, 2016
44.	Dr. D. V. Bhatt	Tribology In Design & It's Applications	27/06/2016
45.	Dr. D. V. Bhatt	Entrepreneurship & Innovation	27-02-2017
46.	Dr. D. V. Bhatt	Entrepreneurship & Innovation	27-02-2017
47.	Dr. D. V. Bhatt	Entrepreneurship & Innovation	23-03-2017
48.	Dinesh singh	Lectures on "multiple attribute decision making (MADM) methods, like, <b>AHP, VIKOR, TOPSIS, OWA, UTA, GRA, CMBA, WEDBA</b> , etc. and their applications to various manufacturing	December 26-30, 2016

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Title of Lecture</b>	<b>Date of Programme</b>
		situations” and “ <b>Ant Colony Optimization (ACO)</b> for discrete optimization problems, like facility layout design” in the STTP “MOTEA-II” at SVNIT	
49.	Dinesh singh	Lectures on “multiple attribute decision making (MADM) methods, like, <b>AHP, VIKOR, TOPSIS, OWA, UTA, GRA, CMBA, WEDBA</b> , etc. and their applications to various manufacturing situations” and “ <b>Ant Colony Optimization (ACO)</b> for discrete optimization problems, like facility layout design” in the STTP “MOTEA-III” at SVNIT	February 27 – March 03, 2017
50.	Dinesh singh	Lectures on “multiple attribute decision making (MADM) methods, like, <b>AHP, VIKOR, TOPSIS, OWA, UTA, GRA, CMBA, WEDBA</b> , etc. and their applications to various manufacturing situations” in two days workshop on “Advanced Optimization Techniques and Decision Making Methods” at SVNIT	February 17-18, 2017
51.	Dinesh singh	Delivered Expert Lecture on “Introduction to multiple attribute decision making (MADM) methods and their applications” in five days faculty development programme on “Recent Development and Challenges in Materials and Manufacturing Process”, at Delhi Technological University (DTU), Delhi	25-29 July 2016
52.	Dinesh singh	Delivered Expert Lecture on “multiple attribute decision making (MADM) methods” in the STTP “Modelling and Optimization Techniques for Engineering Applications”, at C. G. Patel Institute of Technology, Uka Tarsadia University, MaliBA, Bardoli, Gujarat	27-31 March 2017
53.	Dr. K. P. Desai	Computer Aided Production Managment	24/10/2016

<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
1	Dr.(Mrs.) S.N.Shah	Security Issues And Challenges In Wireless Communication	02/9/2016 ECED,SVNIT
2	Dr. (Mrs.) U.D.Dalal	UWB and Cognitive Radio	02/9/2016 Marwadi Education Foundation, RAJKOT.
3	Dr. (Mrs.) U.D.Dalal	Expert talk on Recent Trend in Telecommunication	03/9/2016 GEC, RAJKOT
4	Dr. (Mrs.) J.N. Patel	Image Compression using sparse representation	13/9/2016 ECED,SVNIT
5	Dr. K. P. Upla	Multi-resolution Image Fusion	16/9/2016 ECED, SVNIT
6	Dr. J.N. Sarvaiya	Image processing Laboratory using MATLAB	13/9/2016 ECED,SVNIT
7	Dr. A. D. Darji	Digital Filter Design Optimization	14/9/2016 ECED,SVNIT



<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
8	Dr. K.P.Upla	Multiresolution Image Fusion	16/9/2016 ECED,SVNIT
9	Dr. (Mrs.) U.D.Dalal	Signal Processing for Wireless Communication	16/9/2016 ECED,SVNIT
10	Mr. M.C. Patel	Image Processing Laboratory Using Texas instrument DSP Kit	16/9/2016 ECED,SVNIT
11	Mr. P. K. Shah	Research Frontiers in signal and Image Processing	17/9/2016 ECED,SVNIT
12	Mr. P.J Engineer	Image processing using GPU	17/9/2016 ECED,SVNIT
13	Dr. J.N. Sarvaiya	Image Processing	1-5/10/2016 CHED, SVNIT
14	Dr. (Mrs.) U.D.Dalal	UWB and Cognitive Radio	21/10/2016 GEC Gandhinagar
15	Dr. A.D Darji	Hardware efficient implementation of video capsule endoscopy	22-23/10/2016 New CRC,SVNIT
16	Dr. (Mrs.) S. N. Shah	STTP " Aspects of MATLAB Tools in Communication ,Control and Signal Processing with Simulink"	28/11- 3/12/16 Department of ECT, Jawaharlala Nehru Engineering College, Aurangabad, Maharashtra.
17	Dr. (Mrs.) U. D. Dalal	Fundamentals and Applications of SDR and MIMO Communication Systems	30/11/2016 Shri Govindram Seksaria Institute of Technology & Science, Indore
18	Dr. A.D. Darji	Introduction to VLSI Design Flow Circuit Characteristics and performance Logic Effect Dynamic Logic Introduction to HDL-I Introduction to HDL-II Memory Circuit	19/12/2016 20/12/2016 20/12/2016 21/12/2016 21/12/2016 22/12/2016 23/12/2016 ECED,SVNIT
19	Dr. Z. M. Patel	Arithmetic Building blocks-I Arithmetic Building blocks-I	22/12/2016 23/12/2016 ECED,SVNIT
20	Dr. (Mrs.) S. N. Shah	STTP " Aspects of MATLAB Tools in Communication ,Control and Signal Processing with Simulink"	28/11- 3/12/16 Department of ECT, Jawaharlala Nehru Engineering College, Aurangabad, Maharashtra.
21	Dr. (Mrs.)R. N. Dhavse	Energy Band Diagrams MOSFET Basics Inverter Static and Dynamic Characteristics Combinational Logic and layout Pass Transistors and transmission Gates Sequential Logic-I Sequential Logic-II	4/10/2016 Bhagwan Mahavir College of Engineering and Technology, Surat 19/12/2016 19/12/2016 20/12/2016

<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
			21/12/2016 22/12/2016 23/12/2016 Simulation Lab, ECED
22	Mr. P.J. Engineer	Inkscape for Graphics at STTP on "Paper and article writing with Latex"	24/1/2017 ECED
23	Dr. K.P. Upla	Different modes in LaTeX	22-24/01/2017 ECED
24	Dr. (Mrs.) U. D. Dalal	Introduction to locomotive system	6/2/2017 and 13/2/2017 ECED
25	Mr. P.K.Shah, Dr. (Mrs.) R.N. Dhavse Dr.(Mrs.) S. Gupta	Theory & Lab Basics of electronics	6/2/2017 and 13/2/2017 ECED
26	Dr. J. N. Sarvaiya Dr.(Mrs.) J. N. Patel	Theory & Lab Analog and Digital Electronics	7/2/2017 and 14/2/2017 ESD LAB, ECED
27	Dr. (Mrs.) U. D. Dalal	Theory & Lab Traction Communication through Fiber	10/2/2017 and 17/2/2017 ESD LAB, ECED
28	Dr. A. D. Darji. Dr. P. N. Patel	Theory & Lab Sensors & Transducers	10/2/2017 and 17/2/2017 ESD LAB, ECED
29	Dr. Z.M. Patel	Micro Controllers for Motor Control	9/2/2017 and 16/2/2017 EED, SVNIT
30	Dr. K.P. Upla	on LaTeX	22-23/03/2017 EED, SVNIT
31	Dr. K. P. Upla	4 sessions on LaTeX	Government Polytechnic for Girls, Surat 7/6/2017
32	Dr. (Mrs.) S. N.Shah	Mobile Computing	Govt. Polytechnic for Girls, Surat 6/6/2017
33	Dr. (Mrs.) S. N.Shah	Cloud Computing	Govt. Polytechnic for Girls, Surat 6/6/2017
34	Dr. (Mrs.) U. D. Dalal	Wireless Networks	Govt. Polytechnique 8/6/2017
35	Dr. (Mrs.) U. D. Dalal	IoT- Internet of Things	Govt. Polytechnique 8/6/2017

<b>Computer Engineering Department</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency/ Self financed</b>	<b>Period</b>
1	Mukesh A. Zaveri	Five-days QIP sponsored Short Term Course on Statistical Methods	QIP Sponsored organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	19 - 23 December 2016

<b>Computer Engineering Department</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency/ Self financed</b>	<b>Period</b>
2	Mukesh A. Zaveri	Five-days Short Term training Programme (STTP) on Big Data Analytics (BDA 2016)	under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	27 June - 1 July, 2016
3	Mukesh A. Zaveri	Five-days Short Term Training Programme (STTP) on Design and Analysis of Algorithms (DAA 2016)	under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	23-27 May, 2016
4	Mukesh A. Zaveri	Coordinator for a Five-days Short Term training Programme (STTP) on Wireless Network and Mobile Computing (WMC 2016)	under the Technical Education Quality Improvement Programme (TEQIP) II organized by Computer Engineering Department, S. V. National Institute of Technology, Surat.	16-20 May, 2016
5	Dr. D. P. Rana	Recent Trends in Big Data Analytics (RTBDA-2017)	under the Technical Education Quality Improvement Programme (TEQIP) II at SVNIT, Surat	27th February-3rd March
6	Dr. D. P. Rana	'C' Programming for Engineers (CPE-2017)	Self Sponsored at SVNIT, Surat	4th-9th December (Excl. 6th)
7	Dr. D. P. Rana	Advanced 'C' Programming for Engineers (ACPE-2017)	Self Sponsored at SVNIT, Surat	11th-15th December
8	Dr. R. G. Mehta	Recent Trends in Big Data Analytics (RTBDA-2017)	under the Technical Education Quality Improvement Programme (TEQIP) II at SVNIT, Surat	27th February-3rd March
9	Dr. R. G. Mehta	'C' Programming for Engineers (CPE-2017)	Self Sponsored at SVNIT, Surat	4th-9th December (Excl. 6th)
10	Dr. R. G. Mehta	Advanced 'C' Programming for Engineers (ACPE-2017)	Self Sponsored at SVNIT, Surat	11th-15th December
11	Dr Udai Pratap Rao	Big Data Analytics (BDA 2016) at Computer Engineering Department, SVNIT Surat	TEQIP-II at SVNIT, Surat	27th June- 01st July 2016

Computer Engineering Department				
No.	Faculty	Name of Programme	Sponsoring Agency/ Self financed	Period
12	Dr Udai Pratap Rao	Big Data and Hadoop (BDH 2016) at Computer Engineering Department, SVNIT Surat	TEQIP-II at SVNIT, Surat	24-28 October, 2016
13	Dr Udai Pratap Rao	Advances in Big Data Analytics at Computer Engineering Department, SVNIT Surat	TEQIP-II at SVNIT, Surat	12-16 December, 2016
14	R P Gohil	Mixed Signal and Radio Frequency Vlsi Design at IIT Kharagpur & Electronics Engg. Dept.(ECED)	Online course at SVNIT, Surat	30-Jan-17 to 04 — 17 Feb 2017

### CHEMICAL ENGINEERING DEPARTMENT

<p>1. <b>Dr. V. N. Lad</b>, delivered lecture on <b>Rheology of Suspension including Nanofluids</b>, delivered at TEQIP-II sponsored STTP on Particle Technology: Characterization and Modeling of Particulate Materials SVNIT, Surat on 4/8/2016.</p> <p>2. <b>Dr. V. N. Lad</b>, delivered lecture on <b>Microfluidics for Selected Applications</b>, delivered at TEQIP-II sponsored STTP on Recent Trends in Chemical Engineering SVNIT, Surat on 12/07/2016.</p> <p>3. <b>Dr. V. N. Lad</b>, delivered lecture on <b>Rheology of Colloidal Dispersions</b>, delivered at TEQIP-II sponsored STTP on Recent Trends in Chemical Engineering SVNIT, Surat on 13/07/2016.</p> <p>4. <b>Dr. A.K. Mungray</b> delivered lecture on 11<sup>th</sup> May, 2016, <b>Waste to Energy: A sustainable approach</b> at Chemical Engineering Department under TEQIP-II sponsored STTP on Carbon Neutral Energy Sources held on 9 – 13th May, 2016.</p> <p>5. <b>Dr. S. R. Patel</b> delivered lecture on <b>Taguchi Design of Experiments</b>, STTP in Modeling and Optimization Techniques for Engineering Applications, on 29-02-17 at SVNIT, Surat.</p> <p>6. <b>Dr. S. R. Patel</b> delivered lecture on <b>Taguchi Design of Experiments</b>, STTP in Modeling and Optimization Techniques for Engineering Applications on 28-12- 2016 at SVNIT, Surat.</p> <p>7. <b>Dr. S. R. Patel</b> delivered lecture on <b>Sonocrystallization Process</b> in QIP sponsored Short Term Course on Green Concepts in Engineering and Chemistry on 14-12-2016 at SVNIT, Surat.</p> <p>8. <b>Dr. S. R. Patel</b> delivered lecture on <b>The Use of Ultrasound in Crystallization Process</b> in STTP on Recent Trends in Chemical Engineering under TEQIP-II on 13/07/2016 at SVNIT, Surat.</p> <p>9. <b>Dr. S. R. Patel</b> delivered lecture on <b>Taguchi Method and Analysis of Variance</b> in STTP on Design of Experiment for Process Optimization Overview under TEQIP-II on 7/06/16 at SVNIT, Surat.</p> <p>10. <b>Dr. S. R. Patel</b> delivered lecture on <b>Solving of Multiresponse Optimization Problems</b> in STTP on Design of Experiment for Process Optimization Overview under TEQIP-II on 10/06/16 at SVNIT, Surat.</p> <p>11. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Hydrotropic Extraction</b> delivered at One day</p>
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<p>Refresher Course on Conventional and Advanced Extraction Processes on 12/08/2016 at Shroff S. R. Rotary Institute of Chemical Technology, Vataria.</p> <p>12. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Microwave Assisted Processes</b> delivered at QIP sponsored Short term Training Course on Green Concepts in Engineering and Chemistry, SVNIT, Surat on 16/12/2016.</p> <p>13. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Principles of Green Chemistry and Engineering: A Concept towards Sustainability</b> at STTP on delivered at TEQIP-II Recent Trends in Chemical Engineering SVNIT, Surat on 11/07/2016.</p> <p>14. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Microwave Assisted Processes</b> at TEQIP-II STTP on Recent Trends in Chemical Engineering SVNIT, Surat on 15/07/2016.</p> <p>15. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Quality by Design</b> at TEQIP-II sponsored One week STTP on Design of Experiment for Process Optimization", SVNIT, Surat on 06/06/2016.</p> <p>16. <b>Dr. Meghal A. Desai</b> delivered lecture on Multi-response Optimization by the Taguchi Method and Grey Relational Analysis" at TEQIP-II sponsored One week STTP on Design of Experiment for Process Optimization, SVNIT, Surat on 10/06/2016.</p> <p>17. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Relational Analysis</b> at TEQIP-II sponsored One week STTP on Design of Experiment for Process Optimization, SVNIT, Surat on 10/06/2016.</p> <p>18. <b>Dr. Meghal A. Desai</b> delivered lecture on <b>Case Study: Parametric Optimization using Taguchi Method and Grey Relational Analysis and Predictive Modelling using ANN</b> delivered at TEQIP-II sponsored One week STTP on Design of Experiment for Process Optimization, SVNIT, Surat on 10/06/2016.</p> <p>19. <b>Dr. J. V. Gohel</b> delivered lecture on <b>Hybrid solar cell</b> at STTP on Solar photovoltaic energy: contemporary technologies and recent advances on 8<sup>th</sup> October 2016 at Physics Dept., SVNIT, Surat.</p> <p>20. <b>Dr. J. V. Gohel</b> delivered lecture on <b>Thin film Solar cell: Preparation and applications in sensitized solar cell</b> at STTP on Solar photovoltaic energy: contemporary technologies and recent advances" on 8<sup>th</sup> October 2016 at Physics Dept., SVNIT, Surat.</p> <p>21. <b>Dr. G.C. Jadeja</b> delivered lecture on <b>Pressurized Fluid Extractions</b>, in TEQIP-II sponsored STTP Carbon Neutral Energy Sources on 15/12/2016 in ChED, SVNIT.</p>
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Applied Mathematics And Humanities Department			
Sr. No.	Faculty	Title Of Lecture	Place & Date
1.	Dr Neeru Adlakha		National workshop on Bioinformatics, June 26-30,2017 MANIT, Bhopal
2.	Dr Neeru Adlakha		15 days Training Programme on Bioinformatics on during October1 <sup>st</sup> to 17 <sup>th</sup> , 2016 in the

<b>Applied Mathematics And Humanities Department</b>			
<b>Sr. No.</b>	<b>Faculty</b>	<b>Title Of Lecture</b>	<b>Place &amp; Date</b>
			Department of Mathematics, MANIT, Bhopal
3.	Dr Neeru Adlakha		International conference on Recent Advancements in Science and Technology held at TIT Bhopal during May 5-7, 2017
4.	Dr. Jayesh M. Dhodiya	Mathematical Model solution by MATHEMTICA software	One week STTP "Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications" 16th to 20th January, 2017
5.	Dr. Jayesh M. Dhodiya	Solution of differential equation by MATHEMTICA software	One week STTP "Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications" 16th to 20th January, 2017
6.	Dr. Jayesh M. Dhodiya	Multi objective optimization problem	STTP on optimization at UTU Bardoli 20-24 March, 2017
7.	Dr. Jayesh M. Dhodiya	Multi objective optimization problem solution	STTP on optimization at UTU Bardoli 20-24 March, 2017
8.	Dr. Jayesh M. Dhodiya	LINGO software For multi Objective Optimization problem solution	STTP on optimization at UTU Bardoli 20-24 March, 2017 Time (4:00 to 5:00)
9.	Dr. Jayesh M. Dhodiya	Mathematical Modelling and Simulation	One week STTP Recent Trend of Mathematics in science & technology (RTMST-2017) Organized by GIDC Engg. College Navsari Time(10:30 to 11:30)
10.	Dr. Jayesh M. Dhodiya	River Pollution based Mathematical Model and their solution using Technologies	One week STTP Recent Trend of Mathematics in science & technology (RTMST-2017) Organized by GIDC Engg. College Navsari Time (11:30 to 12:30)
11.	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	Government Polytechnic for Girls, Surat on 21st January, 2016
12.	Dr. H. P. Bulsara	(1) Case Study Research, (2) Commercialization of Technology Innovations and Patents, (3) Management Games – I (Ring Toss for Goal Seeking – Risk and Rewards) and (4) Management Games – II (Blind Fold Building Blocks-Goal seeking – Role clarity)	SVNIT, Surat on 23rd and 25th May, 2016 in the STTP on: "Research Methodology for Engineering and Management"
13.	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	Government Polytechnic for Girls, Surat on 14th June, 2016 in the ISTE and CTE approved STTP on: "Entrepreneurial Skill Development with Sustainable Growth" during 13 – 17 June, 2016
14.	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and Challenges	Government Polytechnic for Girls, Surat on 14th June, 2016 in the ISTE and CTE approved STTP on: "Use of ICT in Education" during 20 – 24 June, 2016
15.	Dr. H. P. Bulsara	Commercialization Technology Innovations:	International Workshop on Entrepreneurship for Scientists and

<b>Applied Mathematics And Humanities Department</b>			
<b>Sr. No.</b>	<b>Faculty</b>	<b>Title Of Lecture</b>	<b>Place &amp; Date</b>
		Issues and challenges	Engineers, Institute of Physics (IOP), London, UK and M. S. University of Baroda at Vadodara during 19th September to 21st September, 2016.
16.	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and Challenges	C. K. Pithawala College of Engineering and Technology, Surat on 17th December, 2016 in the three day Entrepreneurship Awareness Camp in collaboration with SVNIT, sponsored by DST – NIMAT Project
17.	Dr. H. P. Bulsara	(1) Marketing strategy for Building Projects, (2) Personnel Management , (3) Management Games – I (Ring Toss for Goal Seeking – Risk and Rewards, Managerial Skills) and (4) Management Games – II (Blind Fold – “Building Blocks- Goal seeking – Role clarity, Managerial Skills)	SVNIT, Surat on 19th and 21st December, 2016 in the STTP on: “Building Development: Issues and way forward”, organized by SVNIT, Surat
18.	Dr. H. P. Bulsara	(1) Commercialization of Technology Innovations - Issues and Challenges (2) Marketing strategy for Building Projects, (3) Personnel Management , (4) Management Games – I (Ring Toss for Goal Seeking – Risk and Rewards, Managerial Skills) and (5) Management Games – II (Blind Fold Building Blocks-Goal seeking – Role clarity, Managerial Skills)	Sarvajanik College of Engineering and Technology, Surat on 22nd and 23rd December, 2016 in the Faculty Development Program on Entrepreneurship and Innovations during 21st – 31st December, 2016, organized by Sarvajanik College of Engineering and Technology, Surat and SVNIT, Surat, sponsored by DST – NIMAT Project
19.	Dr. Twinkle R Singh	Solutions of Non-linear partial differential equations in Fluid dynamics	ASH&D, GIDC Degree Engineering College, Navsari during 2 <sup>nd</sup> -6 <sup>th</sup> January, 2017
20.	Dr. Urvashi Kaushal	Technical Writing and Academic Writing	On 7 Dec. 2016, in 2 <sup>nd</sup> two weeks short term training programme on “Hands On: Mathematical Modelling and Software Simulation for Power System Engineering” organized under TEQIP, –II, SVNIT from 30 <sup>th</sup> Nov- 10 <sup>th</sup> Dec. 2016.
21.	Dr. Urvashi Kaushal	Language of Research “	On 21 Dec. 2016, in Life Long Researcher- II” organised under TEQIP –II, SVNIT from 19 to 23 Dec.2016.
22.	Dr. Urvashi Kaushal	Role of English language in Technical Writing	24 Jan. 2017, in “Paper and Article Writing with latex” organised under TEQIP –II SVNIT from 19 to 23 Dec.2016
23.	Dr. Urvashi Kaushal	Developing Writing Skills for Research and Academics	14 <sup>th</sup> Jan 2017 on in Tools And Techniques For Effective Teaching And Research organised under TEQIP –II , SVNIT from 13th To 17th February 2017.
24.	Dr. Urvashi Kaushal	Effective Speaking: Informal Conversation to Formal	15 <sup>th</sup> Jan. 2017 and in Tools And Techniques For Effective Teaching And

<b>Applied Mathematics And Humanities Department</b>			
<b>Sr. No.</b>	<b>Faculty</b>	<b>Title Of Lecture</b>	<b>Place &amp; Date</b>
		Presentation	Research organized under TEQIP –II, SVNIT from 13th To 17th February 2017.
25.	Dr. Urvashi Kaushal	Learning the Language of Research	21 March. 2017, in Learning Redefined: Time to un learn and re learn from 20- 24 March 2017 organized under TEQIP –II, SVNIT.
26.	Dr. Sushil Kumar	Differential equations using MATLAB	Marwadi University, Rajkot
27.	Dr. Ramakanta Meher	A Study on counter – current imbibition phenomena for two phase flow process in a Homogenous porous media	International Conference on Computational Modeling & Simulation (ICCMS-2017), Colombo, Srilanka. May 17-19,2017
28.	Dr. Ramakanta Meher	Recent Advances in Computational Fluid Dynamics and its applications	TEQIP Sponsored STTP on “Recent Advances in Computational Fluid Dynamics” 13 <sup>th</sup> -17 <sup>th</sup> March-2017
29.	Dr. Ramakanta Meher	Modeling of different Phenomena arising in fluid flow through Porous Media.	TEQIP Sponsored STTP on “Advances in Computational Heat and Mass Transfer” 1 <sup>st</sup> -5 <sup>th</sup> August-2016
30.	Dr. D. Gopal	FPTA-2016	Bangkok
31.	Dr. D. Gopal	TCVSSNAP-2016	Bangkok
32.	Dr. V. H. Pradhan	Applications of ODE in Mechanical Engineering and epidemic	Short term training programme on Modeling and simulation for Researchers, engineers and scientist , SVNIT, Surat, 11 – 15, July, 2016
33.	Dr. V. H. Pradhan	Advanced numerical techniques	Short term training programme on Modeling and simulation for Researchers, engineers and scientist , SVNIT, Surat, 11 – 15, July, 2016
34.	Dr. V. H. Pradhan	Finite Difference Methods(FDM)	Short Term Training Programme (STTP) On Advances in Computational Heat and Mass Transfer Department of Applied Mathematics & Humanities, SVNIT, Surat during Aug 1 – 5, 2016.
35.	Dr. V. H. Pradhan	Advanced Numerical Techniques	STTP on “Recent Trends of Mathematics in Science & Technology “Department of Applied Sciences & Humanities, GIDC Engineering College Abrama, Navsari during, Jan 02 - 06, 2017
36.	Dr. V. H. Pradhan	Finite Difference Methods	STTP on “Introduction to Boundary Element Methods, L.D. College of Engineering, Ahemdabad during Jan. 09 – 13, 2017.
37.	Dr. V. H. Pradhan	Exact travelling wave solutions of some non-linear equations	21 <sup>st</sup> cum 5 <sup>th</sup> International Conference of academy at Poornima University, Jaipur during Jan 27–29, 2017.
38.	Dr. V. H. Pradhan	CFD Technique : Finite Difference Methods(FDM)	Short Term Training Programme On Recent Advances in Computational Fluid Dynamics, SVNIT, during March 13-17, 2017.
39.	Dr. V. H. Pradhan	Numerical Analysis	State Level Faculty Development Program on Problem Solving And Mathematical Software (HNGUFDP-2017), Department of Mathematics Hemchandracharya North Gujarat



<b>Applied Mathematics And Humanities Department</b>			
<b>Sr. No.</b>	<b>Faculty</b>	<b>Title Of Lecture</b>	<b>Place &amp; Date</b>
			University, Patan – 384265, Jointly With TMC, INDIA during April 24 – 29, 2017.

<b>Applied Chemistry Department</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name Of Expert And Affiliation</b>	<b>Title Of Lecture</b>	<b>Date of Lecture</b>
1	Dr. Premlata Kumari	Dr. Rohitkumar H. Vora, Advanced Polymers research and technologies, NJ, USA	An introduction to polymer materials science and plastics.	3/1/2017
2	Dr. Kalpana C. Maheria	Dr. Naveen Kumar, Professor, University of Delhi, New Delhi.	Biofuels: Opportunities and Challenges for India" and	6 /1/2017
3	Dr. Kalpana C. Maheria	Dr. Naveen Kumar, Professor, University of Delhi, New Delhi.	"Algal Biofuels: Myth and Reality"	6 /1/2017

<b>Applied Physics Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name Of Expert And Affiliation</b>	<b>Title Of Lecture</b>	<b>Date Of Lecture</b>
1.	Dr. Y. A. Sonvane	TEQIP-II sponsored STTP on "Hands on Training on Multiscale Simulation in Advanced Materials Science & Technology (HTMSAMST-2016)	"2D-materials for Energy Applications"	24th July, 2016
2.	Dr. Y. A. Sonvane	TEQIP-II sponsored STTP on Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications	"Fundamentals, Installation & Applications of Mathematica"	17 <sup>th</sup> January, 2017
3.	Dr. Y. A. Sonvane	TEQIP-II sponsored STTP on Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications	"Role Mathematica in the field of Scientific & Engineering"	18th January, 2017

<b>Electrical Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of lecture</b>	<b>Place and date</b>
1.	Dr. Anandita Chowdhary	Ethics in technical education" in "Ethics in technical education: challenges and solutionsworkshop"	SVNIT, Nov 18-19, 2016
2.	Dr. Anandita Chowdhary	"Basic concepts and advances in Electrical Machines " in STC QIP AICTE approved " Advances in Electrical Machines"	SVNIT, Dec12-16, 2016
3.	Dr. Anandita Chowdhary	"Railway Traction Motors" in "Two week training cum Workshop for Technicians and Supervisors of Indian Railways"	SVNIT, February 6-18,2017

Electrical Engineering Department			
No.	Faculty	Title of lecture	Place and date
4.	Dr. S. N. Sharma	Norbert Wiener in the 21st Century (Thinking machines in physical word),	An IEEE-IFAC Control Conference, University of Melbourne, July 13-Jul 15, 2016,
5.	Dr. S. N. Sharma	Non-linear stochastic filtering from control perspectives	Electrical Engineering and Computer Science Department, Indian Institute of Science Education and Research, Bhopal (IISERB), March 27, 2017.
6.	Dr. S. N. Sharma	Markov processes: a brief survey	Computer Science Department, Rajiv Gandhi ProdyogikiVishvavidyalay (RGPV), Bhopal, March 28, 2017.
7.	Dr.H. R. Jariwala	Excitation Systems and PSS	SVNIT December12-16, 2016
8.	Dr.Mahmadasraf A. Mulla	Power Electronics Control of DC Motors	FETR, Bardoli March 19,2017
9.	Dr.Mahmadasraf A. Mulla	Scalar and Vector Control of Induction Motor	FETR, Bardoli March 19,2017
10.	Dr.Mahmadasraf A. Mulla	Design and Development of Boost Converter based MPPT for Solar PV	SVNIT, March 18, 2017
11.	Dr.Mahmadasraf A. Mulla	Recent Advancement in Controlled Rectifier	Department of Electrical Engineering, FETR Bardoli, March 11,2017
12.	Dr.Mahmadasraf A. Mulla	Single Phase and Three Phase Power Converters	Indian Railways during 6-11 February 2017 and 13-18 February 2017.
13.	Dr.Mahmadasraf A. Mulla	Power Semiconductor Devices	Indian Railways during 6-11 February 2017 and 13-18 February 2017.
14.	Dr.Mahmadasraf A. Mulla	Hands-on Learning of DC and AC Drives	SVNIT, Surat December 12-16, 2016
15.	Dr.Mahmadasraf A. Mulla	Hands-on Learning of a PV Module Characteristic and Maximum Power Point Tracking	Marwadi Education Foundation Group of Institution's, Rajkot ,December 2-3, 2016.
16.	Dr.Mahmadasraf A. Mulla	Multilevel Inverters – Recent Advancements	IIT Gandhinagar, November 4 – 5, 2016.
17.	Dr.Mahmadasraf A. Mulla	Maximum Power Point Tracking for Solar PV System	IIT Gandhinagar, November 4 – 5, 2016.
18.	Dr.Mahmadasraf	MPPT Boost Converter for Solar	SVNIT,

Electrical Engineering Department			
No.	Faculty	Title of lecture	Place and date
	A. Mulla	PV	October8-12, 2016,
19.	Dr.Mahmadasraf A. Mulla	Mitigation of Power Quality Problems using Active Power Filters	Department of Electrical Engineering, Malaviya National Institute of Technology Jaipur, October 6-8, 2016
20.	Dr.Mahmadasraf A. Mulla	Energy Efficient Power Conversion using Power Electronics	L&T-MHPS Boilers Pvt. Ltd., Surat-Hazira, September 09, 2016
21.	Dr.Mahmadasraf A. Mulla	Development of PMSM Drive	IIT Gandhinagar, June 20 - July 2, 2016
22.	Dr.Mahmadasraf A. Mulla	Active power filters	IIT Gandhinagar, June 20 - July 2, 2016.
23.	Dr.Mahmadasraf A. Mulla	Protection in Inverter circuits	IIT Gandhinagar, June 20 - July 2, 2016
24.	Dr.Mahmadasraf A. Mulla	Power Semiconductor Devices	SVNIT, March12 –13, 2016
25.	Dr.Mahmadasraf A. Mulla	Power Electronic Converters	SVNIT, March12 –13, 2016
26.	Dr. A. K. Panchal	A member of Internal Quality Assurance Committee (IQAC)	SKN Sinhgad College of Engineering, Pandharpur ,Maharashtra.
27.	Dr. P. Kundu	HVDC Transformer & Breaker	Parul University on 24/06/2016
28.	Dr. P. Kundu	High Voltage	CGPIT, Bardoli on 12th Feb. 2017
29.	Dr. Hiren G. Patel	Short Term Training program on IndustrialAutomation	SVNIT Surat June20-24, 2016
30.	Dr. Hiren G. Patel	QIP Short Term course on Advances in Control and Instrumentation Education and Implementations	SVNIT Surat December12-16, 2016
31.	Dr. Hiren G. Patel	Two week training cum work shop for Supervisors and Technician of Indian railways	SVNIT Surat February6-18, 2017
32.	Dr. Hiren G. Patel	Recent Trends in industrial automation during 26-28 January and 03-4 February 2018.	SVNIT Surat February 03-04, 2018
33.	Dr. Rakesh Maurya	Power supply system for electric locomotive and its recent developments,	SVNIT, Surat Feb 06-18, 2017.
34.	Dr. Rakesh Maurya	DC-DC Converters and Its Integration for UDC	SVNIT, Surat, Dec 26-30, 2016.
35.	Dr. Rakesh Maurya	Introduction to Soft Switching Converter	SVNIT, Surat, Dec 26-30, 2016
36.	Dr. Rakesh Maurya	Recent Advances in Control of Multiphase Motor Drive	SVNIT, Surat, Dec 12-16, 2016.
37.	Dr. Rakesh	Experimentation of Power	Dec 12-16, 2016.

<b>Electrical Engineering Department</b>			
<b>No.</b>	<b>Faculty</b>	<b>Title of lecture</b>	<b>Place and date</b>
	Maurya	Electronic Converters with dSPACE DS 1104 Interface	
38.	Dr. Khayati D. Mistry	Placement of DG in Power System	SVNIT, Surat, Dec 12-16, 2016.
39.	Dr. Khayati D. Mistry	Optimal Placement of Distributed Generation in Distribution System	SVNIT, Surat, Dec 12-16, 2016.
40.	Dr. Vasundhara Mahajan	Power filters for power quality improvement	COEP, Pune, MH. May 2 – 6, 2016
41.	Dr. Vasundhara Mahajan	Power quality issues and mitigation	NIT, Raipur, CG., August 8 – 12, 2016
42.	Dr. Vasundhara Mahajan	Artificial intelligence tools for PS	NIT, Raipur, CG., 8 – 12 August 2016
43.	Dr. Vasundhara Mahajan	Active power filters for power quality improvement	PTU, Chandigarh., 6- 11 March 2017

<b>Applied Mechanics Department</b>			
<b>Deptt.</b>	<b>Name of Faculty Member</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
AMD	Dr. C D Modhera	Experimental Investigation on Geopolymer Concrete and Recycled Aggregate Concrete.	Sanjivani College of Engineering, Kopargaon on 13.01.2018
AMD	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 08.02.2018
AMD	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 09.02.2018
AMD	Dr. C D Modhera	Recent Advances in Special Concrete: Practice and Research	Parul University on 10.02.2018
AMD	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 14.02.2018
AMD	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 15.02.2018
AMD	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 21.02.2018
AMD	Dr. C D Modhera	Special Concrete: Practice and Research	G E C Dahod on 02.03.2018
AMD	Dr. C D Modhera	Morden Construction Materials and Testing	SVNIT, Surat on 08.03.2018
AMD	Dr. C D Modhera	Morden Construction Materials and Testing	SVNIT, Surat on 15.03.2018
AMD	Dr. C D Modhera	Practical Tesing, Mixing, Curing and Trasporting of RMC	SVNIT, Surat on 24.03.2018
AMD	Dr. C D Modhera	Practical Tesing, Mixing, Curing and Trasporting of RMC	SVNIT, Surat on 13.04.2018
AMD	Dr. C D Modhera	Advances in Concrete Technology	Parul University on 29.08.2018
AMD	Dr. C D Modhera	Concrete Admixture	Parul University on 29.08.2018
AMD	Dr. C D Modhera	Concrete Mix Design	SVNIT, Surat on 27.12.2018
AMD	Dr. Atul K Desai	Recent advances in structural engineering	DV Kalpanaengg. College. [16/09/2016]
AMD	Dr. Atul K Desai	Recent advances in structural engineering	BVM Engineering college [16-28th May, 2016]

<b>Applied Mechanics Department</b>			
<b>Deptt.</b>	<b>Name of Faculty Member</b>	<b>Title of Lecture</b>	<b>Place &amp; Date</b>
AMD	Dr. Atul K Desai	Recent advances in structural engineering	BVM Engineering college [22-23rd August, 2016]
AMD	Dr. Atul K Desai	Earthquake Engineering for Engineers and Architects	SVNIT, SURAT [3-5th Feb 2016]
AMD	Dr. Atul K Desai	Earthquake Engineering for Engineers and Architects	SVNIT, SURAT [24-26th Feb 2016]
AMD	Dr. Atul K Desai	Geotechnical Investigation & Soil Structure Interaction	Ambuja cement [27/02/2016]
AMD	Dr. Atul K Desai	Fibre Reinforced Concrete and Fibre Reinforced soil Applications	Ambuja cement [10/03/2016]
AMD	Dr. Atul K Desai	Recent advances in structural engineering,	Aditya Birla UltraTech [14/03/2016]
AMD	Dr. Atul K Desai	Innovation in the field of structural and Earthquake engineering	C.K. Pithawala College of engineering and technology [12/08/2016]
AMD	Dr. Atul K Desai	Soil Structure Interaction and special Foundation	Reliance [19-20th may, 2017]
AMD	Dr. Atul K Desai	Recent advances in structural engineering and Geotechnical Engineering	BVM Engineering college [22/05/2017]
AMD	Dr. Shruti J Shukla	Expert lecture on piled raft foundation :- its significance and case study” in one week STTP on geotechnical aspects of foundation engineering(GAFE-2016)	Organized by Applied Mechanics Department ,SVNIT, Surat during 17th-21st October 2016.
AMD		Expert lecture on “MODELING FOR PILED RAFT FOUNDATION AND CASE STUDY” Two days Training Programme for RPMG C & S Group	Reliance Industries Ltd for Skill Enhancement 19-20 May 2017.
AMD		Expert lecture on “Soil-structure interaction of pile raft foundation” WORKSHOP on Elementary Course on Experiential Research (ECER-2017).	13th November to 17th November 2017. S. V. National Institute Of Technology Surat.
AMD	Dr. Y. D. Patil	Expert lecture on “Utilization of waste materials”	N.D.M.V.P., Nashik, 09/02/2017
AMD	Dr. Y. D. Patil	Expert lecture on “Testing methodology and techniques for engineered materials”	SVNIT, Surat, 28/06/2016
AMD	S. R. Suryawanshi	Constitutive Relationship for Recycled Aggregate Concrete	SVNIT 20/12/2016

**(viii) Expert Lectures organized at SVNIT Surat as Resource Person (other than STTP)**

<b>Civil Engineering Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name of Expert and Affiliation</b>	<b>Title of Lecture</b>	<b>Date of Lecture</b>
1	P. L. Patel	Dr. Vivekanand Singh, Prof., NIT Patna	Numerical modeling for soil moisture prediction in the catchment	Aug 09, 2016
2	P. L. Patel	Dr. Vishnu Prasad, Prof., NIT	Selection of Pumps: Performance and	Aug 24, 2016

<b>Civil Engineering Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name of Expert and Affiliation</b>	<b>Title of Lecture</b>	<b>Date of Lecture</b>
		Bhopal	Testing	
3	S M Yadav	AV Gajjar, EE1, SSNL	Floods in Narmada	Dec. 19, 2016
4	S M Yadav	Ms. Suvarna Shah Associate Professor MS University, Vadodara.	Remote Sensing and GIS applications for Flood Estimation	Dec. 19, 2016
5	S M Yadav	Shri. Apoorv Tripathi Water Resources Engineer, DHI- Water & Environment Pvt. Ltd.	Introduction of Real time flood forecasting and data acquisition system.	Dec. 19, 2016
6	S M Yadav	Shri. Vikas Barble Executive Assistant Director, CWC, Surat.	Causes of river flood, flood forecasting techniques and importance of flood forecasting	Dec. 20, 2016
7	S M Yadav	Shri. Bhairav Desai AE, SMC, Surat	Surat Flood 2006 - Challenges and Way Ahead	Dec. 20, 2016
8	S M Yadav	Ms. Suvarna Shah Associate Professor MS University, Vadodara.	3D Modeling of Flood- A Case Study of Vadodara City	Dec. 21, 2016
9	S M Yadav	Shri. M. Khan, Executive Engineer GERI, Vadodara.	Physical Model Technique for Assessing the Hydraulic Parameters of River Flow & its Impact on Structures	Dec. 21, 2016
10	S M Yadav	Shri. M. Selva Balan, Scientist-D CWPRS, Pune.	Real Time Data Logging and Flood Forecasting Techniques - 1	Dec. 21, 2016
11	S M Yadav	Dr. M. L. Kansal , Professor, Department of Water Resources IIT Roorkee.	Estimation of Design Flood using Unit Hydrograph approach.	Dec. 21, 2016
12	S M Yadav	Shri. R. N. Sankhua, Director, CWC, New Delhi.	Spatial Modeling Techniques for Flood Studies	Dec. 22, 2016
13	S M Yadav	Shri. R. N. Sankhua, Director CWC, New Delhi.	Extraction of River Characteristics for Flood Modeling Using River Tools	Dec. 22, 2016
14	S M Yadav	Shri. M. Selva Balan, Scientist-D CWPRS, Pune.	Real Time Data Logging and Flood Forecasting Techniques - 1I	Dec. 22, 2016
15	S M Yadav	Dr. TMV Suryanarayana, Associate Professor, MSU Baroda	Application of Soft computing techniques in Flood Modeling	Dec. 23, 2016
16	Rakesh Kumar	Arijit Sarmah, EDI, Ahmedabad	EMPRESARIO	Feb 23, 2017

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of expert</b>	<b>Title of Lecture</b>	<b>Date of Lecture</b>
1.	Dr. D. B. Naik	Geometric Programming	August 25, 2016 during 16 <sup>th</sup> AEOTIT
2.	Dr. M. N. Mehta	Basics of Mathematical Modeling	August 24, 2016 during 16 <sup>th</sup> AEOTIT
3.	Dr. Sanjay Shah	Journey of Life: Introspection	August 25, 2016 during 16 <sup>th</sup> AEOTIT
4.	Dr. D. B. Naik	Geometric Programming	February 8, 2017 during 17 <sup>th</sup> AEOTIT
5.	Dr. Sanjay Shah	Journey of Life: Introspection	March 28, 2017 during 18 <sup>th</sup> AEOTIT

<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Name of Expert and Affiliation</b>	<b>Title of Lecture</b>	<b>Date of Lecture</b>
1.	Dr. M. Ravikumar, MNIT, Jaipur	Recent Advances in Indoor Optical Wireless Communication Systems	10/09/2016
2.	Shobhit K. Patel  University of Nebraska-Lincoln, Department of Electrical and Computer Engineering, Lincoln, NE, 68588-0511, USA	Recent Advances in Antenna Design and Technology	17/11/2016

<b>Electronics Engineering Department</b>			
<b>No.</b>	<b>Name of Expert and Affiliation</b>	<b>Title of Lecture</b>	<b>Date of Lecture</b>
3.	Dr.(Mrs.) Mita Paunwala CKPCET, Surat	Multi Model Biometric Authentication: Concept, Issue and Solution	13/09/2016
4.	DR. S. Patnaik University of Western Australia, UWA, perth, Australia	Sparse Representation Classification: Application for Multimodel biometrics	13/09/2016
5.	Dr. M. K. Hota Synergy Institute of Engineering and technology, orissa, india	Genomic Signal Processing	14/09/2016
6.	Dr. M. A. Zaveri COED, SVNational Institute of Technology, Surat	Rough Set Theory and its Applications	14/09/2016
7.	Dr. Nitin George Indian Institute of Gandhinagar, India	Adaptive Nonlinear Filters: Application in Audio Signal Processing	15/09/2016
8.	Dr. Manjunath Joshi DA-IICT gandhinagar, India	Machine Learning	16/09/2016
9.	Dr. P.C. Pandey Indian Institute of technology Bombay, India	Dynamic range compression of audio signal: a signal processing techniques with low perceptible distortion 2. Signal acquisition in audio signal processing system: some considerations.	17/09/2016
10.	Dr. S. N. Sharma EED, S. V. National institute of Technology, Surat	Markov processes : A survey	17/09/2016
11.	Dr. N. Zaveri CKPCET, Surat	DSP Application in Power Quality	17/09/2016
12.	Dr. M. Ravikumar MNIT, Jaipur, Rajasthan	Recent Advances in Indoor Optical Wireless Communication Systems	10/10/2016
13.	Prof. Yoram Bresler (IEEE Fellow) Department of Electrical and Computer Engineering, University of	The Origin of Compressive Sensing	21/10/2016

Electronics Engineering Department			
No.	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
	Illinois,urbana-Champaign		
14.	Prof. Ashvini Deshpande, Associate Professor Cummins College of engineering for women	Single Image Deblurrig	21/10/2016

Electrical Engineering Department				
No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1.	Dr. S. N. Sharma	Professor Issac Kurien	Path planning and minimum time grabbing of tumbling satellites	July 7, 2016
2.	Dr. Rakesh Maurya	Dr. Rajiv Kumar Singh, Associate Professor, Department of Electrical Engineering, I.I.T. B.H.U.	Recent Advances in the Power Electronics Interface	July 22, 2016.
3.	Dr. S. N. Sharma	Professor M K Ghosh,	'Option pricing and Credit risk'	November 22, 2016

Chemical Engineering Department
<b>Dr. Mausumi Mukhopadhyay</b> organized 1 Expert lecture on <b>Process development of bacterial cyclic glucans and their applications</b> by <b>Dr. Mukesh Doble</b> , Professor in the Department of Biotechnology at <b>IIT Madras</b> on 13 <sup>th</sup> October, 2016 in Department of Chemical Engineering, SVNIT, Surat

Applied Mathematics And Humanities Department				
Sr. No.	Faculty	Name Of Expert And Affiliation	Title Of Lecture	Date Of Lecture
1.	Dr. Jayesh M. Dhodiya	Dr. Safique Ahemad, IIT Indore	Backward errors for eigenvalues and eigenvectors of Hermitian, skew-Hermitian, H-even and H-odd matrix polynomials	12/05/201
2.	Dr. V. H. Pradhan	Dr. D. N. Chalishajar, Lieutenant Colonel  (Associate Professor), Department of Applied Mathematics, Virginia Military Institute, Lexington, VA – 24450, USA	“Control Theory”	During his academic visit from 03/08/2016 to 12/08/2016.



<b>Applied Mathematics And Humanities Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name Of Expert And Affiliation</b>	<b>Title Of Lecture</b>	<b>Date Of Lecture</b>
3.	Dr. V. H. Pradhan	Prof. Dharendra Bahuguna , Department of Mathematics & statistics, IIT Kanpur	Applied Mathematics	11/11/2016.
4.	Dr. V. H. Pradhan	Dr. T. V. S. Sekhar (Associate Professor, School of Basic Sciences, IIT Bhubaneswar,	Applied Mathematics	05/06/2017

<b>Applied Chemistry Department</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name Of Expert And Affiliation</b>	<b>Title Of Lecture</b>	<b>Date of Lecture</b>
1	Dr. Premlata Kumari	Dr. Rohitkumar H. Vora, Advanced Polymers research and technologies, NJ, USA	An introduction to polymer materials science and plastics.	3/1/2017
2	Dr. Kalpana C. Maheria	Dr. Naveen Kumar, Professor, University of Delhi, New Delhi.	Biofuels: Opportunities and Challenges for India" and	6 /1/2017
3	Dr. Kalpana C. Maheria	Dr. Naveen Kumar, Professor, University of Delhi, New Delhi.	"Algal Biofuels: Myth and Reality"	6 /1/2017

<b>Applied Physics Department</b>				
<b>Sr. No.</b>	<b>Faculty</b>	<b>Name Of Expert And Affiliation</b>	<b>Title Of Lecture</b>	<b>Date Of Lecture</b>
1.	Dr. Y. A. Sonvane	TEQIP-II sponsored STTP on "Hands on Training on Multiscale Simulation in Advanced Materials Science & Technology	"2D-materials for Energy Applications"	24th July, 2016
2.	Dr. Y. A. Sonvane	TEQIP-II sponsored STTP on Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications	"Fundamentals, Installation & Applications of Mathematica"	17 <sup>th</sup> January, 2017
3.	Dr. Y. A. Sonvane	TEQIP-II sponsored STTP on Hands on Training on Fundamentals of Mathematica Software for Scientific & Engineering Applications	"Role Mathematica in the field of Scientific &	18th January, 2017

**(ix) Paper Reviewer in International and National Journals / Conferences / Seminars**

<b>Civil Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers Reviewed</b>
1	J. N. Patel	Journal of Hydrology – Elsevier	1
2	J. N. Patel	ISH Journal of Hydraulic Engineering	4
3	J. N. Patel	Journal of Water, Sanitation and Hygiene for Development, IWA Publishing	1
4	M Mansoor Ahammed	Journal of Environmental Management,	1

<b>Civil Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers Reviewed</b>
5	M Mansoor Ahammed	Journal of Hazardous Materials,	1
6	M Mansoor Ahammed	Journal of Industrial and Engineering Chemistry,	1
7	M Mansoor Ahammed	Waste Management,	3
8	M Mansoor Ahammed	Environmental Chemical Engineering,	4
9	M Mansoor Ahammed	Chemical Engineering Science,	1
10	M Mansoor Ahammed	Environmental Technology,	2
11	M Mansoor Ahammed	Separation Science and Technology,	1
12	M Mansoor Ahammed	Environmental Science and Pollution Research,	2
13	M Mansoor Ahammed	Journal of Water and Health,	2
14	M Mansoor Ahammed	Water Resources Management,	1
15	M Mansoor Ahammed	Water Science and Technology,	5
16	M Mansoor Ahammed	Open Water	1
17	M Mansoor Ahammed	Journal of Water Reuse and Desalination	1
18	V L Manekar	Journal of Irrigation and Drainage Engineering, ASCE	2
19	V L Manekar	ISH Journal of Hydraulic Engineering	2
20	Rakesh Kumar	Journal of Traffic and Transportation Engineering	4
21	Rakesh Kumar	Materials today: Proceedings	2
22	Rakesh Kumar	TRB, Washington DC	1
23	Rakesh Kumar	Journal of Material in Civil Engineering	2
24	Rakesh Kumar	World Review of Intermodal Transportation Research	2
25	D A Patel	Journal of Management in Engineering, ASCE	1
26	D A Patel	Journal of Construction Economics and Building	1
27	G D Kale	HYDRO 2017	2
28	C R Patel	Current Science	2
29	S Arkatkar	Journal of Transportation Engineering, ASCE.	1
30	S Arkatkar	Transportation Research Part A, Elsevier.	1
31	S Arkatkar	Proceedings of EASTS	2
32	S Arkatkar	Transportation Letters	3
33	S Arkatkar	Case Studies in Transport Policy, Elsevier.	1
34	S Arkatkar	Transportation in Developing Economies, Springer	2
35	S Arkatkar	Journal of Intelligent Transportation Systems: Technology, Planning, and Operations (Taylor and Francis)	2
36	S Arkatkar	Journal of Traffic and Transportation Engineering, Elsevier	2

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers reviewed</b>
1.	Dr. S. A. Channiwala	Asian Congress on Gas Turbine, 2016	16
2.	Dr. S. A. Channiwala	Fluid Mechanics and Fluid Power, 2016	02
3.	Dr. S. A. Channiwala	18th Annual Conference on Liquid Atomization and Spray Systems – Asia, 2018	01
4.	Dr. S. A. Channiwala	Powder Technology, Elsevier	01
5.	Dr. S. A. Channiwala	National Conference on Thermal Fluid. Science and Tribology. Applications. (TFSTA-2016)	02
6.	Dr. S. A. Channiwala	Environmental Pollution, Elsevier	01

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers reviewed</b>
7.	Dr. S. A. Channiwala	Fuel, Elsevier	02
8.	Dr. S. A. Channiwala	International conference on Alternative Energy Sources, 2016	06
9.	R. V. Rao	Applied Thermal Engineering, Elsevier	4
10.	R. V. Rao	Heat and Mass Transfer, Springer	2
11.	R. V. Rao	International Journal of Advanced Manufacturing Technology, Springer	4
12.	R. V. Rao	Journal of Computational Design and Engineering, Elsevier	2
13.	R. V. Rao	Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer	2
14.	R. V. Rao	International Journal of Industrial Engineering Computations, Growing Science, Canada	2
15.	R. V. Rao	Journal of Intelligent Manufacturing, Springer	3
16.	R. V. Rao	ASME Journal of Mechanical Design, ASME, USA	2
17.	R. V. Rao	Journal of Engineering Manufacture, IMechE, SAGE Publishers	2
18.	R. V. Rao	Journal of Materials Processing Technology, Elsevier	1
19.	R. V. Rao	International Journal of Robotics & Computer Integrated Manufacturing, Elsevier	2
20.	R. V. Rao	Engineering Applications of Artificial Intelligence, Elsevier	3
21.	R. V. Rao	International Journal of Heat and Mass Transfer, Elsevier	2
22.	R. V. Rao	Energy, Elsevier	3
23.	R. V. Rao	International Journal of Production Research, Taylor & Francis	2
24.	R. V. Rao	Applied Mathematical Modelling, Elsevier	1
25.	R. V. Rao	Applied Soft Computing, Elsevier	3
26.	R. V. Rao	Information Sciences, Elsevier	3
27.	R. V. Rao	Engineering Optimzation, Taylor & Francis	2

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers reviewed</b>
28.	R. V. Rao	Applied Energy, Elsevier	2
29.	R. V. Rao	Neural Computing and Applications, Springer	2
30.	R. V. Rao	International Journal of Thermal Sciences, Elsevier	2
31.	R. V. Rao	International Journal of Numerical Methods for Heat and Fluid Flow, Emerald Insight	2
32.	R. V. Rao	International Journal of Refrigeration, Elsevier	2
33.	R. V. Rao	International Journal of Computers & Industrial Engineering, Elsevier	2
34.	R. V. Rao	Optimization & Engineering, Springer	1
35.	R. V. Rao	International Journal of Applied Evolutionary Computation, IGI Global	1
36.	R. V. Rao	Engineering Structures, Elsevier	2
37.	R. V. Rao	Swarm and Evolutionary Computation, Elsevier	2
38.	R. V. Rao	Journal of Advanced Manufacturing Systems, World Scientific	3
39.	R. V. Rao	AIMTDR International Conference, COE Pune, Maharashtra	15
40.	Dr. Tushar N. Desai	Industrial Engineering Journal	3
41.	Bade Mukund H.	Energy Conversion and Management	04
42.	Bade Mukund H.	Clean Technologies and Environmental Policy	01
43.	Dr. H.K. Dave	Journal of Brazilian Society of Mechanical Science & Engineering	01
44.	Dr. H.K. Dave	Microsystems & Technology	01
45.	Dr. H.K. Dave	Machining Science & Technology	01
46.	Dr. H.K. Dave	International Journal of Manufacturing Research	01
47.	Dr. H. K. Raval	International journal of advance manufacturing technology	2
48.	Ravi Kant	Journal of Cleaner Production	05
49.	Ravi Kant	International Journal of Production Research	03
50.	Ravi Kant	Production Planning and Control	01
51.	Ravi Kant	International Journal of Lean Six Sigma	02
52.	Dr. V. D. Kalyankar	Materials Research (Ibero-American Journal of Materials)	01
53.	Dr. D. V. Bhatt	National Conference on Thermal Fluid Science and Tribo Application, NCTFSTA2016, 27th -28th May, 2016, SVNIT Surat	02

<b>Electronics Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers Reviewed</b>
1	Dr.(Mrs.) S.N. Shah	ICSPICC2016 International Conference on Global Trends in Signal Processing, Information Computing and Communication September 2016	05
2	Dr.(Mrs.) S.N. Shah	ICRAI-2016 2nd IEEE International Conference On Recent Advances And Innovations In Engineering 2016	03
3	Dr. (Mrs.) J N Patel	Journal of Electronic Imaging SPIE	02
4	Dr. (Mrs.) J N Patel	SMDCET under Electronics & Communication Engineering department, SCET, Surat is organizing National Conference on “Recent Advances in Circuits , Communication and Computing Technology(RACCCT-2017)”*	02
5	Dr. (Mrs.) U. D. Dalal	International Conference on Optical and Wireless Technologies (OWT) 2017, held by MNIT Jaipur	01
6	Dr.(Mrs.) U.D.Dalal	International Conference on Intelligent Systems and Signal Processing* *(ISSP-2017)	06
7	Dr. (Mrs.) J. N. Patel	International journal paper of JEI-journal of imaging	02
8	Dr. (Mrs.) S. N. Shah	SMDCET under Electronics & Communication Engineering department, SCET, Surat has organizing National Conference on “Recent Advances in Circuits ,Communication and Computing Technology(RACCCT-2017), during	02
9	Dr. K. P. Upla	SMDCET under Electronics & Communication Engineering department, SCET, Surat has organizing National Conference on “Recent Advances in Circuits ,Communication and Computing Technology(RACCCT-2017), during	01
10	Dr. (Mrs.) U.D.Dalal	International Conference on Intelligent Systems and Signal Processing* *(ISSP-2017)	06
11	DR. K.P.Upla	International Conference on Innovations in Electronics, Signal Processing and 6-7 April,2017, Shilong A IESC-2017	02
12	Dr. (Mrs.) U.D.Dalal	conference Comptelix 2017, organized by MNIT Jaipur during July 1-2, 2017 in association with Manipal University.	03
13	Dr. (Mrs.) J N Patel	International Conference ICFITT-2017	08
14	Dr. (Mrs.) S.N.Shah	International Conference ICFITT-2017	12
15	Dr. (Mrs.) U.D.Dalal	International Conference ICFITT-2017	15
16	Dr. (Mrs.) U.D.Dalal	Telecommunication Systems journal by Springer TELS-D-17-00090, "Performance Evaluation and Enhancement of EDCA Protocol".	01
17	Dr. (Mrs.) U.D.Dalal	conference :Comptelix 2017, MNIT Jaipur during July 1-2, 2017 in association with Manipal University	03
18.	Dr. (Mrs.) R. N. Dhavse	International Conference ICFITT-2017	12
19.	Dr. (Mrs.) R. N. Dhavse	SMDCET under Electronics & Communication Engineering department, SCET, Surat is organizing National Conference on “Recent Advances in Circuits , Communication and Computing Technology(RACCCT-2017)”	02
20.	Dr. (Mrs.) R. N. Dhavse	IEEE Students' Technology Symposium, IIT Kharagpur	01

<b>Electronics Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers Reviewed</b>
21.	Dr.(Mrs.) U.D.Dalal	Telecommunication systems	08

<b>Computer Engineering Department</b>		
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>
1	Mukesh A. Zaveri	IEEE Transactions on Intelligent Transportation Systems
2	Mukesh A. Zaveri	IEEE Transaction on Signal Processing
3	Mukesh A. Zaveri	Signal Processing Journal Elsevier Publication
4	Mukesh A. Zaveri	Pattern Recognition Letters Elsevier Publication
5	Mukesh A. Zaveri	Journal of Optical Engineering (SPIE)

<b>Chemical Engineering Department</b>	
	<ol style="list-style-type: none"> <li>1. Athens Journal of Sciences,</li> <li>2. Asia-Pacific Journal of Chemical Engineering</li> <li>3. Cellulose</li> <li>4. Chemical Engineering Research &amp; Design</li> <li>5. Desalination and Water Treatment</li> <li>6. Energy &amp; Fuels</li> <li>7. Environmental Science: Nano</li> <li>8. Environmental Technology</li> <li>9. Green Chemistry Letters and Reviews</li> <li>10. Heliyon</li> <li>11. Journal of Cluster Science</li> <li>12. Journal of Environmental Management</li> <li>13. Journal of Environmental Sciences</li> <li>14. Journal of Industrial and Engineering Chemistry</li> <li>15. Journal of Polymer Engineering</li> <li>16. Journal of Water Process Engineering</li> <li>17. Journal of Water Process Engineering</li> <li>18. Journal of Water Supply Research and Technology-Aqua</li> <li>19. Membrane Water Treatment</li> <li>20. Separation Science and Technology</li> <li>21. Separation Science and Technology (Taylor &amp; Francis Group Publication, USA)</li> <li>22. Desalination (Elsevier Scientific Publication, Netherlands)</li> <li>23. Colloids and Surface A: Physicochemical and Engineering Aspects (Elsevier Scientific Publication) (SCI/SCIE Journal)</li> <li>24. Chemical Engineering Journal (Elsevier Scientific Publication, Switzerland) (SCI/SCIE Journal)</li> <li>25. Chemosphere (Elsevier Scientific Publication) (SCI/SCIE Journal)</li> <li>26. Synthesis and Reactivity in Inorganic, Metal-Organic, and Nanometal Chemistry (Taylor &amp; Francis)</li> <li>27. Research on Chemical Intermediates (Springer)</li> <li>28. Advanced Powder Technology (Elsevier)</li> <li>29. Chemical Engineering &amp; Technology (Wiley-VCH)</li> <li>30. Particulate Science and Technology (Taylor &amp; Francis)</li> <li>31. Colloids and Surfaces A</li> <li>32. Colloids and Surfaces B</li> <li>33. Physics of Fluids</li> <li>34. ACS Journal of Agri Food Engg</li> <li>35. Chemical Engineering Communications</li> <li>36. Desalination and Water treatment.</li> <li>37. Journal of Cleaner Production</li> <li>38. International Journal of Sustainable Energy (Taylor &amp; Francis Group Publication, USA)</li> <li>39. Journal of The Institution of Engineers (India): Series E</li> <li>40. Ultrasonics Sonochemistry (Elsevier Scientific Publication)</li> <li>41. Journal of Nanostructure in Chemistry</li> </ol>

42. Environment, Development and Sustainability
43. Chemical Engineering Communications
44. Industrial Crops and Products
45 Journal of The Institution of Engineers (India)-Series E, Springer
46. Advanced Powder Technology (Elsevier Scientific Publication) (SCIE Journal)
47. Surface and Coating Technology (Elsevier Scientific Publication) (SCIE Journal)
48. Advances in Polymer Technology, A Journal from the Polymer Processing Institute and John Wiley & Sons, Inc.
49. Surface Innovations (ICE Publishing)
50. American Journal of Environmental Protection (Science Publishing Group, USA)
51. American Journal of Nanoscience and Nanotechnology (Science Publishing, USA)
52. National Journal of Industrial Engineering
53. Journal of membrane science
54. Desalination and water treatment
55. Separation and purification technology
56. RSC Advances
57. Advanced Powder Technology (Elsevier)
58. RSC Advances
59. Advanced Powder Technology (Elsevier)
60. Ultrasonics Sonochemistry (Elsevier Scientific Publication)

### Applied Mathematics And Humanities Department

Sr. No	Name Of Faculty Member	Name Of Journal Or Conference	No. Of Papers Reviewed
1.	Dr. Neeru Adlakha	Journal of Thermal Biology, Elsevier	01
2.	Dr. Neeru Adlakha	International Journal Of Thermal Sciences, Elsevier	01
3.	Dr. Neeru Adlakha	International Journal Of Biomathematics	01
4.	Dr. Jayesh M. Dhodiya	<b>VIER Journal of Engineering Research</b>	02
5.	Dr. Jayesh M. Dhodiya	International Journal Mathematics Today	03
6.	Dr. H. P. Bulsara	Basic Research Journal of Business Management and Accounts	01
7.	Dr. H. P. Bulsara	Journal Of Entrepreneurship, Management And Innovation	01
8.	Dr. H. P. Bulsara	Journal of Economics and International Finance	01
9.	Dr. H. P. Bulsara	Advances in Economics and Business	01
10.	Dr. H. P. Bulsara	Journal of Global Economics, Management and Business Research	01
11.	Dr. H. P. Bulsara	Journal Of Economics And International Finance	01
12.	Dr. H. P. Bulsara	British Journal of Economics, Management & Trade	01
13.	Dr. H. P. Bulsara	Journal of Cleaner Production, Elsevier	01
14.	Dr. Twinkle R Singh	<b>NLENG.2017.0049," Nonlinear Engineering Modeling and Application Analytical study of time-fractional model of Navier-Stokes equations and nonlinear Schrodinger equations".</b>	01
15.	Dr. Sushil Kumar	Heat and Mass transfer, Springer	03
16.	Dr. Sushil Kumar	Journal of Mechanics in Medicine and Biology, World Scientific	01
17.	Dr. Ramakanta Meher	Journal of Applied Fluid Mechanics	02
18.	Dr. Ramakanta Meher	International Journal of Applied Computational Mathematics (Springer)	02
19.	Dr. Ramakanta Meher	Journal of Porous Media	02
20.	Dr. V. H. Pradhan	Reviewer, VIER Journal of Engineering Research, Vadoara Institute of Technology, Aug.,2016	02

<b>Applied Chemistry Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal Or Conference</b>	<b>No. of Papers Reviewed</b>
1	Dr. Premlata Kumari	European Journal of Medicinal Chemistry Research	01
2	Dr. Premlata Kumari	Medicinal Chemistry Research	02
3	Dr. Premlata Kumari	Chemistry Central Journal	04
4	Dr. Premlata Kumari	Microbial Pathogenesis	01
5	Dr. Kalpana C. Maheria	Catalysis Today	01
6	Dr. Kalpana C. Maheria	Catalysis Communications	01
7	Dr. Kalpana C. Maheria	International Journal of Polymer Science	01
5	Dr. Naved I. Malek	Heliyon	01
6	Dr. Naved I. Malek	Journal of Chemical Engineering Data	01
7	Dr. Naved I. Malek	Journal of Molecular Liquids	02
8	Dr. Naved I. Malek	Indian Journal of Chemistry	01
9	Dr. Bharat Dholakiya	Awarded certificate of recognition for ACS publications reviewing Activities in 2016.	01

<b>Applied Physics Department</b>			
<b>Sr. No.</b>	<b>Name Of Faculty Member</b>	<b>Name Of Journal Or Conference</b>	<b>No. Of Papers</b>
1.	Dr. Debesh R Roy	Nanoscale (Royal Soc. Chem., ISSN: 2040-3364)	1
2.	Dr. Debesh R Roy	Int. J. Mod. Phys. B (World Scientific, ISSN: 1793-6578)	1
3.	Dr. Debesh R Roy	Computational Materials Science (Elsevier Sci., ISSN: 0927-0256)	1
4.	Dr. Debesh R Roy	J. Mol. Struct. (Elsevier, ISSN: 0022-2860)	1
5.	Dr. Y. A. Sonvane	DAE- Solid State Physics Symposium 2016	4

<b>Electrical Engineering Department</b>			
<b>No.</b>	<b>Name of Faculty Member</b>	<b>Name of Journal or Conference</b>	<b>No. of Papers Reviewed</b>
1.	Dr. Anandita Chowdhury	CMI Jadavpur University	04
		PEDES 2016	06
2.	Dr. Pranav Darji	IEEE – Power Electronics	01
3.	Dr. S. N. Sharma	Reviewer, the 55th IEEE Conference on Decision and Control (CDC), Las Vegas, USA, December 12-14, 2016.	01
		European Control Conference (ECC), July 15-17, 2016, Aalborg University, Aalborg, Denmark.	01
		Robotics and Autonomous Systems	01
4.	Dr. H. R. Jariwala	7th International Conference on Power Systems (ICPS)-2017 during 21-23 December, 2017 at COEP, Pune.	04
5.	Dr. Mahadasraf A. Mulla	IEEE – Transaction on Power Electronics	03
		IEEE – Transaction on Industrial Electronics	07
		Regularly reviewing papers at IEEE Transaction on Industrial Electronics, IEEE Transactions on Power Electronics, IEEE Journal of Emerging and Selected Topics in Power Electronics	01
		Regularly reviewing papers at IET Power Electronics, IET Electrical Applications, IET Generation, Transmission & Distribution	01



		Reviewer at Elsevier International Journal of Electrical Power and Energy Systems	01
		Reviewer at Willey International Transactions on Electrical Energy Systems	01
		Reviewer at Tailor and Francis Electric Power Components and Systems Journal	01
		Reviewer at International Journal of Emerging Electric Power Systems (IJEEPS)	01
		Reviewer at Journal of The Institution of Engineers (India): Series B	01
6.	A. K. Panchal	Reviewer for international Journal Royal Society Chemistry Advances	01
		Reviewer for international journal Progress in Photovoltaics: Research and Applications	01
		7th International Conference on Power Systems (ICPS)-2017 during 21-23 December, 2017 at COEP, Pune.	05
7.	P. Kundu	For Interwoven(International journal) :	01
8.	Dr.Hiren G. Patel	International Journal of Control Theory and Applications	01
		International Conference on Research and Innovations in Science, Engineering & Technology	01
		7th International Conference on Power Systems, 2017, "PATHWAYS FOR GRIDS OF THE FUTURE	01
		Indian council international conference 2017. (INDICON 2017. IIT Roorkee	01

**(x) Ph.D. theses reviewed as examiner outside SVNIT.**

<b>Civil Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
1)	J. N. Patel	Gujarat Technological University, Ahmedabad	
2)	S M Yadav	Review of PhD theses, CED, VNIT Nagpur.	Sep. 12, 2016
3)	A. K. Khambete	Pune University. Pune	
4)	M Mansoor Ahammed	Cochin University of Science and Technology	
5)	Rakesh Kumar	MNIT JAIPUR	
6)	Rakesh Kumar	NIT RAIPUR	
7)	Rakesh Kumar	NIT BHOPAL	

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name</b>	<b>Publisher or Expected Publisher</b>
1.	R. V. Rao	Asrul Bin Adam	University of Malaya, Kuala Lumpur, Malaysia
2.	R. V. Rao	S. Shankar Ganesh	J.N.T.U. Kakinada, Andhra Pradesh
3.	R. V. Rao	Anaant V. Khandekar	Jadavpur University, Koklkata
4.	R. V. Rao	Kailash Chowdary	M.N.I.T., Jaipur
5.	Dinesh Singh	Reviewed the PhD Thesis entitled as "Development of Lean Practice Model for Small and MediumScale Manufacturing Industries (SMEs) in Gujarat State"	C. U. Shah University, Wadhwan City, Gujarat

<b>Mechanical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name</b>	<b>Publisher or Expected Publisher</b>
6.	Bade Mukund H.	PhD Examiner- Bharati Vidyapeeth Deemed University, Pune	Thesis review and PhD Examination 27 Sept 2017
7.	Dr. H.K. Dave	Mrs. Maya Wadhvani	R.K. University, Rajkot
8.	Dr. H. K. Raval	Modelling through ANN simulation of performance of various process energized by human powered flywheel motor	Rashtrasant Tukadoji Maharaj Nagpur University, 2016
9.	Dr. H. K. Raval	Formulation of approximate generalized field data based model and its simulation, optimization, reliability evaluation for some operations of manufacturing enterprise.	Sant Gadge Baba Amravati University, Amravati, 2016
10.	Dr. V. D. Kalyankar	Candidate Name: Shri. Milind Shrikant Kirkire Panel: Board of Studies in Mechanical Engineering	University of Mumbai

<b>Electronics Engineering Department</b>		
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>
1	Dr. (Mrs.) U.D.Dalal	MNIT, Jaipur – 2 <sup>nd</sup> June, 2017
2	Dr. (Mrs.) U.D.Dalal	SMVD University of a student Mr Akhil Gupta on, Katra Jammu- 17 <sup>th</sup> April, 2017
3	Dr. J. N. Sarvaiya	Nirma University, Ahemdabad -22 <sup>nd</sup> February, 2017
4	Dr. J. N. Sarvaiya	Dept. of Electronics and Communication Engg., Kadi Sarva Vishwavidyalaya, Gandhinagar. - June 2016

<b>Electrical Engineering Department</b>			
<b>No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
1.	Dr. Anandita Chowdhury	Dr. B. A. M. University, Aurangabad	
2.	Dr. A. K. Panchal	PhD thesis reviewer for Andhra University, Andra Pradesh	
3.	Dr. P. Kundu	For Satyabhama University	

<b>Applied Mathematics And Humanities Department</b>			
<b>Sr. No.</b>	<b>Name Of Faculty Member</b>	<b>Name Of The University/Institute</b>	<b>Remark</b>
1.	Dr. Neeru Adlakha	Barkatullah University, Bhopal	Evaluated thesis in mathematics and conducted Viva Voce exam
2.	Dr. Neeru Adlakha	Bhartidasan University, Tiruchirappalli	Evaluated thesis in mathematics
3.	Dr. Jayesh M. Dhodiya	<b>Kadi Sarva Vishwavidyalaya, Gandhinagar</b>	Ph. D. Thesis

Applied Chemistry Department			
Sr. No.	Name of Faculty Member	Name of the University / Institute	Remark
1	Dr. Naved I. Malek	CSMCRI, Bhavnagar	
2	Dr. Bharat Dholakiya	Reviewed thesis entitled Dendrimer: Synthesis, Characterization and Applications" submitted by Mr. Rinkeshkumar M. Patel for the Ph. D. degree in INDUSTRIAL CHEMSITRY, S. P. University, Vallabh Vidyanagar, Gujarat	

## 11.0 TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAMME (TEQIP-II)

### 11.1 Implementation of TEQIP-II @ SVNIT

#### TECHNICAL EDUCATION QUALITY IMPROVEMENT PROGRAM PHASE-II NATIONAL INSTITUTE OF TECHNOLOGY, SURAT

Technical Education Quality Improvement Program (TEQIP) is an ambitious programme of Ministry of HRD, Government of India. It is predicted as a long term programme of about 10-12 years, to be implemented in 2-3 phase for transformation of the Technical Education System of our country, with the assistance from the World Bank.

As per TEQIP, each phase is required to be designed on the basis of lessons learnt from the implementation of earlier phase. THEQIP-I started a reform process in 127 Institutions. The reform process needs to be sustained and scaled- up for embedding gains in the system and taking the transformation to a higher level. To continue the development activities initiated through TEQIP-I, a sequel project is planned as TEQIP-II.

Objectives	Efforts made by Institute
Strengthening Institutions to produce high quality engineers for better employability	- Organized Proficiency/Finishing school- 19 Nos - Remedial classes – 281 Hr - Expert lecture – 14 Nos - Support to Placement activity/Entrepreneurship program - Support to UG Research Project.
Scaling up postgraduate education and demand driven Research & development and Innovation	- Starting New PG Program during TEQIP-II project duration MED-Manufacturing EED-Power System ECED-VLSI & Embedded system - Assistantship to M.Tech Non-Gate-6000/-PM (80 No) - Assistantship to Ph.D Students-16000/-PM (5 No)
Establishing Centers of Excellence for focused applicable research	Establish COE in Civil Engineering Department- "Water Resources and flood Management "
Training of faculty for effective Teaching	Attending STTP/Workshop/Seminar/Conference etc. (2016-17) Training-19 Nos Workshop-11 Nos Seminar-15 Nos Conference- 76Nos (India) Conference – 11 Nos (Abroad) In-house-Pedagogy Training- 66 nos of faculties are benefited Pedagogy training at other Institute- 06 faculties are benefited Organized STTP/Workshop/Seminar/Conference etc.(2016-17)

	STTP- 66 Nos Workshop- 18 Nos Seminar-2 Nos CEP- 2 Nos I-I-I- 3 Nos Organized curriculum Review Workshop during TEQIP-II Project: MED-03 Nos      CHED-01 No EED-02 Nos      ECED-01 No CED-02 No      ACD-01 No COED-01 No
Enhancing Institutional and System Management effectiveness.	Management training organized by NPIU – 06 (2016-17) Management training organized by EQUATE-25 during project

National Institute of Technology, Surat has been a participant in the TEQIP Phase-I through which it has received grant for strengthening the undergraduate programmes. Now, in the Phase-II, SVNIT is receiving the grants for strengthening the postgraduate education and demand driven Research & Development and Innovation. The works are in progress. Conferences and workshops are being organized with view to achieve the project objectives.

#### TEQIP-II Basic Details:

Project Duration: August-2010 to October-2016 (extended till July 2017).

Credit No: 4685-01N

Total Project Allocation: 12.50 crore (3.75 Crore Additional Fund).

Fund Received till date:

1<sup>st</sup> Installment- Rs. 2.0 Crore dated 06/06/2011  
 2<sup>nd</sup> Installment- Rs. 1.0 Crore dated 25/09/2012  
 3<sup>rd</sup> Installment- Rs. 5.5 Crore dated 29/10/2013  
 4<sup>th</sup> Installment- Rs. 1.0 Crore dated 23/07/2014  
 5<sup>th</sup> Installment- Rs. 1.0 Crore dated 30/12/2014  
 6<sup>th</sup> Installment- Rs. 2.0 Crore dated 08/05/2015  
 7<sup>th</sup> Installment- Rs. 2.5 Crore dated 02/12/2015 (Additional fund)  
 8<sup>th</sup> Installment- Rs. 1.25 Crore dated 08/06/2016 (Additional fund)  
 Modernization Funds- Rs. 1.5 Crore dated 14/6/16

#### TEQIP-II Audit and Mentorship Program:

No	Date	Name of Auditor
<b>Performance Audit</b>		
1 <sup>st</sup>	18-20 March-2013	Prof. B.S.Sonde
2 <sup>nd</sup>	17-19 February-2014	Prof. B.S.Sonde
3 <sup>rd</sup>	21-23 January 2015	Prof. B.S.Sonde
<b>Data Audit</b>		
1 <sup>st</sup>	18-19 March-2013	Prof. A.G.Keskar
2 <sup>nd</sup>	17-18 February-2014	Prof. A.G.Keskar
3 <sup>rd</sup>	7-8 November- 2014	Prof. A.G.Keskar
<b>Mentorship Program</b>		
1 <sup>st</sup>	23-24 November 2012	Dr. A.K.Saxena
2 <sup>nd</sup>	1-3 September 2014	Dr. A.K.Saxena
3 <sup>rd</sup>	13-14 March 2015	Dr. A.K.Saxena

## 11.2 Fund Utilization Details: (As on March-2017)

Sr. No	Head Name	Amount (in lack)
1	Procurement	640.61
2	Assistantship	146.58
3	Research & Development	78.16
4	Faculty & Staff Development	481.44
5	Industry-Institute Interaction	19.51
6	Management Capacity Development	27.41
7	Reforms	23.53
8	Weak Students support	50.95
9	Consultant Services	6.27
10	Incremental Operating Cost	82.26
	<b>TOTAL</b>	<b>1556.72</b>

## 12 SPONSORED RESEARCH:

### 12.1 (a) Research Projects Details

No	Deptt.	Date Of Allotment	Name of Project	Name of Project Co-Ordinator	Grant Sanctioned	Duration	Status
1	AMHD	21.12.2010	BRNS Project on Development of Anti Reflection Coating for Fabrication of superluminescent LightEmitting Diode	Dr Vipul Kheraj	23,87,200	3 years	Completed
2	AMHD	25.03.11	DBT Project on Establishment of Bioinformatics Infrastructure Facility for Biology Teaching through Bioinformatics (BIF-BTBI) under the BTIS net	Dr. Neeru Adlakha	20,00,000	3 years	Completed
3	CHED	13.04.11	DRDO Project on Fabrication and Characterization of Porous Silicon and its Application as a Optical Biosensor	Dr M Chakraborty	21,22,600	2 years	Completed
4	ECED	15.03.11	DRDO Project on Fabrication and Characterization of Porous Silicon and its Application as a Optical Biosensor	Dr Vivekanand Mishra	30,00,000	3 years	Completed
5	MED	21.06.11	DST Project on Investigation on Metal Removal Rate in Electro Discharge Machining Process under Orbital Tool Movement	Dr K P Desai	15,35,000	2 years	Completed
6	AMHD	02.02.11	CSIR Project on Computational Model and Server for Simulation of Ca <sup>2+</sup> Dynamics in Myocytes	Dr Neeru Adlakha	42,28,838	3 years	Completed
7	COED	01.09.11	DIT Project on A Secure Data Aggregation Systems and as Intrusion Detection System for Wireless Sensor Networks	Dr D C Jinwala	48,86,400	3 years	Completed
8	ECED	21.11.11	DST Project on Performance Appraisal of a FGMOS Transistor by using QD Floating Gate in 45 nm Regime	Dr Vivekanand Mishra	16,43,117	2 years	Completed
9	EED	22.11.11	DST Project on Development of Guideline for Preventing Elderly Users Injuries at Intersection	Dr Rakesh Kumar	38,62,305	3 year	Ongoing
10	ACD	12.12.11	CSIR Project on Influence of Alkyl Chain of Imidazolium Based Ionic Liquids on Physicochemical Properties of the Dimeric Surfactants	Dr Naved Malek	12,42,000	3 years	Completed
11	MED	16.04.12	DST Project On Investigation of Bending Forces & Friction co-	Dr H K Raval	33,00,000	3 years	Ongoing

No	Deptt.	Date Of Allotment	Name of Project	Name of Project Co-Ordinator	Grant Sanctioned	Duration	Status
			efficient during continuous bending of Conical shells on 3 – roller bending machine				
12	MED	16.02.12	DST Project on 2 Stage PTC for 10 K Applications	Dr H B Naik	29,00,000	3 years	Ongoing
13	CED	12.11.12	CSIR Project on Dev. Of Indian Highway Capacity Manual (Indo- HCM)	Dr G J Joshi	9,95,150	2 years	Ongoing
14	CED	04.01.13	DST Project on Utilization of Copper Slag and Fly ash for Road Construction and building materials	Dr Rakesh Kumar	16,93,620	3 years	Ongoing
15	ECED	04.10.12	DST Project on Dev. Of intelligent optical Bio-Chemical Sensor using optical fiber gratings	Dr Vivekanand Mishra	34,40,000	2 years	Completed
16	AMHD	14.03.13	CSIR Project – Study On Fixed Point Theorems for single valued and multivalued and their applications in best approximation	Dr Dhananjay Gopal	1,70,000	2 years	Completed
17	CHED	16.04.13	CSIR Project – Studies on novel techniques for extraction of essential oil from patchouli	Dr Jigisha Parikh	12,06,940	2 years	Completed
18	APD	11.03.13	SERB Project - A study on change in refractivity of the atmosphere prior to earthquakes	Dr K N Pathak	14,66,200	3 years	Ongoing
19	MED	18.07.13	BRNS Project – Development of Thermo acoustically driven pulse tube refrigerator	Dr H B Naik	24,99,000	3 years	Ongoing
20	APD	20.09.13	SERB Project – Novel nanomaterials structure, growth, electronics, magnetic and optical properties	Dr Debesh Ranjan Roy	6,00,000	3 years	Ongoing
21	ACD	21.10.13	CSIR Project – Biodiesel purification preparation of novel biodegradable purification material from saw dust and development of cutting cost dry wash biodiesel purification technology	Dr B Z Dholakiya	13,70,333	2 years	Ongoing
22	APD	27.09.13	BRNS Project –Ground – State properties of low dimensional quantum systems.	Dr L K Saini	14,49,250	3 years Wxtended up to 31.12.16	Ongoing
23	APD	01.11.13	SERB Project – Properties of mesons using QCD inspired models	Dr A K Rai	12,84,000	3 years	Ongoing
24	APD	24.02.14	SERB Project – Strongly – correlated electronics materials, Topological quantum materials	Dr L K Saini	14,04,000	3 years	Ongoing
25	CED	24.02.14	SERB Project – Use of water treatment plant sludge for the post treatment of UASB reactor treating municipal waste water	Dr M A Mulla	16,90,000	3 years	Ongoing
26	MED	13.02.14	SERB Project – Automation of design of compound dies for sheet metal Industries	Dr S Kumar	20,50,000	3 years	Ongoing
27	MED	9.10.13	MHRD Pedagogy Project – Developing suitable pedagogical methods for various classes intellectual calibers and e – learning.	Dr S Kumar	77,00,000	30 Months	Ongoing
28	MED	23.05.14	SERB Project – Experimental analysis of slug regime in Gas-liquid two-phase flow through pipes.	Dr J Banerjee	25,18,400	3 years	Ongoing
29	MED	21.07.14	BRNS Project – Mathematics modeling of thermal dispersion	Dr J Banerjee	24,99,600	2 years	Ongoing

No	Deptt.	Date Of Allotment	Name of Project	Name of Project Co-Ordinator	Grant Sanctioned	Duration	Status
			of effluent released into moticher lake at KAPS.				
30	CED	14.07.14	BRNS Project – Estimation and prediction of near field concentration of KAPS discharged radionuclides (3H,137CS,60Co) in the aquatic environs of moticher lake.	Dr R A Christian	12,71,800	2 years	Ongoing
31	ACD	04.09.14	SERB Project – Polymer-graphene-antimicrobial protein hybrid composite microspheres as potent biocidalagents with attract and kill protein-metal synergy.	Dr Rajendra Kumar	12,00,000	2 YEARS	Ongoing
32	ACD	13.05.2014	SERB Project–Development of novel supramolecular sensing systems using fluorescent quantum dots.	Dr S K Sahoo	39,40,000	3 years	Ongoing
33	ACD	07.10.14	ARDB Project – Parametric Investigation on Upward Swirl Can f Type Gas Turbine Combustor	Dr J Banerjee	20,12,000	2 years	Ongoing
34	ACD	23.02.15	DRDO Project - " Application of Benthic microbial fuel cell (BMFC) for Powering novel sensors"	Dr Kalpana C Maheria	31,40,000	3 years	Ongoing
35	CHED	04.07.14	DRDO Project - " Application of Benthic microbial fuel cell (BMFC) for Powering novel sensors"	Dr A K Mungray	17,77,600	3 years	Ongoing
36	MED	17.02.15	DRDO Project - " Probabilistic Fracture response of laminated panels comprising functionally graded materials with cutouts"	Dr Achchhelal	26,31,520	3 years	Ongoing
37	MED	03.06.15	DST Project - " Optimization of sustainable advanced manufacturing processes"	Dr R Venkata Rao	12,62,700	3 years	Ongoing
38	CED	08.07.15	SERB Project - " A Study on ultrasound assisted crystallization of clopidogrel hydrogen sulfate"	Dr S R Patel	15,76,000	2 Years	Ongoing
39	COED	12.02.16	ISEA Project - " Phase - II released Grant in Aid"	Dr D R Patel	1,85,70,000	5 years	Ongoing
40	EED	04.02.15	SMDP Project - " SMDP C2SD Project"	Dr A D Darji	16,00,000	5 years	Ongoing
41	MED	05.01.15	Study of Microbial Consotria in Microbial fuel cell	Dr Shailedra Kumar	22,95,840	3 Years	Ongoing
42	CHED	28.07.15	Study of Microbial Consotria in Microbial fuel cell	Dr A K Mungray	17,05,000	3 Years	Ongoing
43	ACD	11.06.15	BRNS Project - Development of surface Functionalisd	Dr K Suresh Kumar	31,31,400	3 Years	Ongoing
44	MED	05.11.15	ARDB Project - Stochastic Progressive failure response	Dr Achchhelal	8,16,000	2 years	Ongoing
45	CED	21.05.13	SERB Project - Study of traffic flow characteristic	Dr S S Arkatkar	21,74,000	3 years	Ongoing
46	CED	21.11.14	Strengthens the research facilities in the area of :Flow Structures and Turbines	Dr V L Manekar	1,75,00,000	5 Years	Ongoing
47	EED	27.10.15	BRNS Project - FPGA based adaptive filter Algorithm	Dr Anand Darji	17,80,750	2 years	Ongoing
48	APD	18.11.15	SERB Project - Performance of latest IRI Model	Dr Shital Karia	29,80,000	3 Years	Ongoing
49	AMD	11.02.15	Gujcost Project – Seismic resistant steel beam to column joints	Dr G R Vesmawala	4,30,000	2 Years	Ongoing
50	ACD	18.03.13	Gujcost Project – Synthesis of novel pyrimidine Trion based Anticancer agents from RasphanusStavivus as Plant Source and algae as marin source	Dr B Z Dholakiya	2,00,000	2 Years	Ongoing

No	Deptt.	Date Of Allotment	Name of Project	Name of Project Co-Ordinator	Grant Sanctioned	Duration	Status
51	MED	18.03.13	Gujcost Project – Analysis Design and Experimental investigations on radial inflow micro gas turbine	Dr S A Channiwala	5,00,000	2 Years	Ongoing
52	CED	22.05.13	Gujcost Project – Use of Fly ash in Construction	Dr Rakesh Kumar	35,000	1 Years	Completed
53	COED	18.03.16	Gujcost Project – Investigating Anti-Replay algorithms for link layer security architecture in wireless sensor networks	Dr D C Jinwala	2,40,000	2 years	Ongoing
54	CHED	26.11.14	Gujcost Project – A study on stacked-bed-reactor-configuration in alkane-isomerization reaction	Dr P A Parikh	3,00,000	2 Years	Ongoing
55	MED	26.11.14	Gujcost Project - Study of effect of Tooling on formability	Dr H K Raval	5,00,000	1 Year	Ongoing
56	MED	23.11.14	Gujcost Project - Flame propagation & Stabilisation	Dr S A Channiwalla	8,50,000	1 Year	Ongoing
57	MED	23.11.14	Gujcost Project - Towards higher generation Biofuel	Dr P V Bhale	4,00,000	2 years	Ongoing
58	EED	02.12.14	CSIR Project - Development of Stochastic Filtering	Dr S N Sharma	2,73,000	2 years	Ongoing
59	MED	16.01.15	Gujcost Project - Generation of non circular cavity	Dr H K Dave	2,50,000	2 years	Ongoing
60	AMHD	23.09.15	Gujcost Project - Study on Nonlinear partial differential	Dr Twinkle Singh	1,10,000	2 years	Ongoing
61	AMD	31.03.16	Performance and design evaluation of test tracks of flexible pavement with waste materials in subbase and base Layers.	Dr. Satyajit Patel	1,61,15,200	3 Years	Ongoing
62	AMD	20.06.16	Development of Adaptive Control Algorithm for Shunt Compensator	Dr. Saba Raj Arya	1,94,000	2 Years	Ongoing
63	AMD	18.07.16	Collaborative Data Processing and Resource Optimisation for Post Disaster Management and Surveillance using Internet of Things	Dr Mukesh A Zaveri	65,00,000	3 Years	Ongoing
64	AMD	22.07.16	SERB Project Extended Wright Type Hypergeometric Functions	Dr R K Jana	15,15,360	3 Years	Ongoing
65	AMD	20.06.16	Experimental Studies on High Performance Concrete Using Industrial Wastes	Dr C D Modhera	3,00,000	2 Years	Ongoing
66	AMD	20.06.16	Some Studies on Performance of Previous Concrete for improving soft Ground	Pof J B Patel	6,92,000	2 Years	Ongoing
67	AMD		AICTE Project QIP Centre	Dr Shailendra Kumar	33,91,500	3 years	Ongoing
68	CHED	28.03.16	GUJCOST Project Studies on interfacial characteristics of Liquid system	Dr V N Lad	5,10,000	3 years	Ongoing
69	AMD	17.08.16	SERB Project - Development of Control Algorithms for shunt and series connected Custom Power Devices.	Dr. Sabha Raj Arya	44,10,560	3 years	Ongoing
70	AMD	22.08.16	DST - NIMAT (MOU - EDI) - To create techno-entrepreneurs and resource persons through Entrepreneur Development Programme Strategy	DR C D Modhera	12,95,000	3 years	Ongoing
71	AMD	08.03.16	SERB Project - Functional Variants of Mussel Inspired Biomaterial Surface; effect to Surface Functional Groups on antibiofilm Properties	Rajendra Kumar	28,91,000	3 years	Ongoing
72	ACD	16.01.17	DST SERB Project - Small molecule function on alind dyes and conles an optical chemosemron and its application in live cell imaging	Dr S K Sahoo	14,40,000	2 years	Ongoing



No	Deptt.	Date Of Allotment	Name of Project	Name of Project Co-Ordinator	Grant Sanctioned	Duration	Status
73	ACD	42751	UGC-DAE Oproject - Aggregation of amphiphilic copolymers in deep eutectic solvent - water mixed system (CRS-M-234)	Dr Ketan Kuperkar	4,05,000	1 Year (to be review evry year)	Ongoing
74	AMD	20.06.16	Gujcost-Experimental Studies on High Performance Concrete Using Industrial Wastes	Dr C D Modhera	3,00,000	2 years	Ongoing
75	AMD	20.06.16	Gujcost-Some Studies on Performance of Previous Concrete for improving soft Ground	Pof J B Patel	6,92,000	2 years	Ongoing
76	AMD	22.08.16	DST - NIMAT (MOU - EDI) - To create techno-entrepreneurs and resource persons through Entrepreneur Development Programme Strategy	DR C D Modhera	2,00,000	3 years	Ongoing
77	APD	22.07.16	SERB Project Extended Wright Type Hypergeometric Functions	Dr R K Jana	15,15,360	3 years	Ongoing
78	APD	02.03.17	SERB Project - Novel perovskite-based solar cells : Investigation of potential properties using ab-initio approaches	Dr Y A Sonavne	30,09,000	3 years	Ongoing
79	CHED	22.03.17	SERB Project - Integration of Septic Tank and Microbial fuel cell : Novel Hybrid system for sustainable treatment of domestic waste water	Dr A K Mungray	31,18,000	3 years	Ongoing
80	COED	18.07.16	DIT-Collaborative Data Processing and Resource Optimisation for Post Disaster Management and Surveillance using Internet of Things	Dr Mukesh A Zaveri	65,00,000	3 years	Ongoing
81	EED	17.08.16	SERB Project - Development of Control Algorithms for shunt and series connected Custom Power Devices.	Dr. Sabha Raj Arya	44,10,560	3 years	Ongoing
82	EED	20.06.16	Gujcost-Development of Adaptive Control Algorithm for Shunt Compensator	Dr. Saba Raj Arya	1,94,000	2 years	Ongoing
83	ECED	23.01.17	ISRO-Study Design and Simulation Ino delay effects based on Inospheric Models & their correction Technique using Software Defined Radio	Dr Shweta Shah	18,90,000	3 years	Ongoing
84	CED	28.12.16	MHRD (IIT Delhi) Unnat Bharat Abhiyan	K. D. Yadav	1,75,000	2 years	Ongoing
					<b>20,38,55,103</b>		

**(b) Testing & Consultancy Details :**

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
1	Condition Assessment of Staff Quarters D & E Block of ESI General Hospital Gotri Road, Surat	ESI Fund A/C 2 Hospital Development Centre	Prof A J Shah	30,000.00	2016-17	AMD
2	Condiion Assessment of Kim Mota Baasara Factory Building	Uma Fiberes	Dr G R Vesmawala Dr Y D Patil	60,000.00	2016-17	AMD
3	Sachin GIDC Shopping Centre, Fire Brigage Building and Residential Quarters	Chief Officer, Sachin Notified Area, Sachin, GIDC	Prof A J Shah Dr B Kondraivendhan	61,985.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
4	Condition Assessment of Indo World Apartment Building	Indo World Commerical Complex Service Society	Dr B Kondraivendhan Dr A K Desai	80,000.00	2016-17	AMD
5	Non Destructive Testing	Dhanurdhar Processors Pvt Ltd	Dr C D Modhera Dr Y D Patil	35,000.00	2016-17	AMD
6	Condition Assessment	Shri Kuntunath Tower Co-op HSG Soc. Ltd	Dr S N Desai Dr A K Desai	73,478.00	2016-17	AMD
7	Condition Assessment	Jay Radhey Management Services	Dr S N Desai Dr A K Desai	85,000.00	2016-17	AMD
8	Condition Assessment	Malbar Hill Co-op Service Society "E" Block	Dr A K Desai Dr C D Modhera	70,000.00	2016-17	AMD
9	TPI- Visit for Kota Bridge	Vijay Mistry Construction Pvt Ltd	Prof A J Shah Dr A K Desai Dr Rakeshkumar	68,872.00	2016-17	AMD
10	Condition Assessment of Old Zone Office Building at TP -4, Aswanikumar-Navagam , FP - M/2	Surat Municipal Corporation, Surat	Dr D B Rajiwala	26,565.00	2016-17	AMD
11	Condition Assessment	Navitas Green Solutions Pvt Ltd	Dr C D Modhera Dr Y D Patil	80,000.00	2016-17	AMD
12	Condition Assessment	Shrenik Residency Co-op Housing Service Society	Dr A K Desai Shri J B Patel	30,000.00	2016-17	AMD
13	Condition Assessment	Kashish Silk Mills Pvt Ltd	Dr Y D Patil Dr C D Modhera	40,000.00	2016-17	AMD
14	Condition Assessment of Commercial Part	Sargam Shopping Centre Co-op Service Soc Ltd	Dr A K Desai Dr C H Solanki Prof A J Shah	43,478.00	2016-17	AMD
15	Condition Assessment of Kosad Awas	Surat Municipal Corporation, Surat	Dr S N Desai Dr A K Desai Prof A J Shah Dr Y D Patil Dr G R Vesmawala Dr M K Desai	3,83,017.00	2016-17	AMD
16	Fire Damaged Building	Ganesh Laxmi Processor Pvt Ltd	Dr A K Desai Dr D B Rajiwala Dr C D Modhera	79,650.00	2016-17	AMD
17	Condition assessment of A & C Block (Cat II, 18 unit, Ramnagar & B-Type staff quarters (B-Block)	Ex. Engineer (R & B) Div. NO.1, Surat	Dr D B Rajiwala Dr B Kondraivendhan Dr C D Modhera Prof A J Shah	85,500.00	2016-17	AMD
18	Existing building of beggars receiing centre @ Ramnagar, Surat	Ex. Engineer (R & B) Div. NO.1, Surat	Dr C D Modhera Prof A J Shah	47,500.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
19	Condition Assessment of Kasturba Kanya Chatralaya, Athwalines, Surat & Girls Hostel @ Govt. Polytechnic, Athwagate, Surat	Executive Engineer, R & Bdiv No.1, Surat	DrA K Desai Dr S A Vasanwala Dr S N Desai Dr G R Vesmawala	1,14,000.00	2016-17	AMD
20	NABARD OFFICE Building, Usmanpura, NABARD Officer's Quarters, Navrangpura	National Bank of Agriculture and Rural Development	Prof A J Shah Dr C D Modhera	1,13,850.00	2016-17	AMD
21	Condition Assessment of "A" Block Building, Katargam, Fire Station Campus	Surat Municipal Corporation, Surat	Dr M K Desai Dr B Kondraivendhan	44,275.00	2016-17	AMD
22	Expert opinion on periodic basis for the civil construction work of high level bridge parallel to kota barrage	Vijay Mistry Construction Pvt Ltd	Prof A J Shah Dr A K Desai Dr Rakesh Kumar	1,50,450.00	2016-17	AMD
23	Condition Assessment of Temple Structure by Name Gopal Sundry	Swami Atmanand, Trust, Surat	Dr A K Desai Dr S A Vasanwala	21,739.00	2016-17	AMD
24	Condition Assessment of D-1 Dispensary and Staff Quarters and Branch Office at Rajkot Dr Dispensary and Staff Quarters Manhar Plot, Rajkot Branch Office and Staff quarters at Rasikpara, Wankaner D-1 Dispensary and Staff quarters at Millpara, Wankaner	ESIC Ahmedabad	Prof A J Shah Dr C D Modhera	1,22,137.00	2016-17	AMD
25	Condition Assessment of Commercial part of Sargam Shopping Centre, Surat (Final Installment)	Sargam Shopping Centre Co-op Service Society Ltd	Dr A K Desai Dr C H Solanki Prof A J Shah	71,522.00	2016-17	AMD
26	1. Technical Opinion for Approach Road of Cement Concrete	Port Officer Gujarat Maritime Board, Surat	Dr S N Desai Dr C D Modhera	94,500.00	2016-17	AMD
28	Third Party Inspection Service for various Building construction work costing less than 1 crore under housing department in Sub zone – B of East Varachha Zone, SMC	Surat Municipal Corporation, Surat	Dr Y D Patil Prof A J Shah Dr C H Solanki Dr A K Desai	15,487.00	2016-17	AMD
29	Third Party Inspection Service for various Building construction work costing less than 1 crore under housing department in Sub zone – B of East Varachha Zone, SMC	Surat Municipal Corporation, Surat	Dr Y D Patil Prof A J Shah Dr C H Solanki Dr A K Desai	48,675.00	2016-17	AMD
30	Condition Assessment of Dipak Awas Apartment Building	Dipak Awas Flat Owner Association	DrA K Desai Dr S N Desai	26,087.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
31	Assessment of Construction deficiency in foundation at new Construction 3 sub centre building with compound wall at Nani zer, Bhutia and Antrolli, Ta- Kapadvanj	Gurukrupa Enterprise	Dr A K Desai Dr C H Solanki	20,000.00	2016-17	AMD
32	Visual Inspection and Condition Assessment Report of Staff Quarters – 14 Blocks & Lift Area at ESIC General Hospital, Gotri Road, Vadodara	ESIC Fund A/C Hospital Development Committee	Prof A J Shah Dr M K Desai Dr A K Desai Dr G R Vesmawala	2,35,000.00	2016-17	AMD
33	Supervision, inspection and analysis of Initial load test (Construction of Bridge Across varyav khadi on 45 mt wide sayan-jahangirpura road near drainage pumping station in place of existing old bridge in Surat city	Surat Municipal Corporation, Surat (Bridge Cell)	Dr C D Modhera Dr Y D Patil Dr G R Vesmawala	70,800.00	2016-17	AMD
34	Two Godown Building at Chikhli & Khergam	The Agriculture Produce Market Committee, CHikhli (APMC),	Dr D B Raijiwala Dr C D Modhera	30,000.00	2016-17	AMD
35	Condition Assessment of Karnali Temple	Swami Atmanad Saraswati	Dr A K Desai	25,000.00	2016-17	AMD
36	Condition Assessment of Saanika Industries Building, Surat	Saanika Industries Pvt Ltd, Surat	Dr S N Desai Dr G R Vesmawala	2,48,348.00	2016-17	AMD
37	Condition Assessment of Existing CTS Hostel Building in Campus of ITI-Majuragate, Surat	Executive Engineer, Surat (R & B) Div-1, Surat	Dr C H Solanki Dr G R Vesmawala	57,000.00	2016-17	AMD
38	TPI of furniture of Samras Government Hostel Building for SC, ST & developing caste 2000 Boys & Girls Students at Surat	Executive Engineer, Surat R & B, Div-1, Surat	Prof A J Shah Dr C D Modhera Dr S N Desai	1,84,768.00	2016-17	AMD
39	TPI – widening of existing minor bridge up and down side at km 9/050 for six lanning with service Road at Kadodara	Executive Engineer, Surat (R & B), Division – 1, Surat	Prof A J Shah Dr C D Modhera Dr S N Desai	1,28,796.00	2016-17	AMD
40	Condition of Assessment Parsi Panchayat School Building, Sir J J Engg Med. School, Surat	Surat Parsi Panchayat	Prof A J Shah Dr S N Desai Dr C D Modhera Dr G R Vesmawala	1,34,674.00	2016-17	AMD
41	TPI Construction fabrication and erection of (08) Bus shelters on Surat BRTS Phase- II Corroder from Jahangirpura to Gajera Circle in Surat city	Surat Municipal Corporation, BRTS Celll, Surat	Prof A J Shah Dr Y D Patil	63,605.00	2016-17	AMD
42	Condition Assessment Report of B-12 Quarters	Executive Engineer, Surat R	Dr D B Raijiwala Dr B	29,310.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
	at Olpad	& B Div-2, Surat	Kondraivendhan			
43	Soil Investigation and recommendation of Ground Improvement for Rest House at Valthan	Executive Engineer, Surat R & B Div-2, Surat	Dr S Patel Dr C H Solanki Shri J B Patel	68,195.00	2016-17	AMD
44	Condition Assessment survey of damaged tank	Mafatal Industries Ltd, Navsari	DR A K DESAI Shri J B Patel	37,170.00	2016-17	AMD
45	Third Party Inspection of furniture for Samras Hostel (Boys & Girls) at Vadodarra	Ex. Engineer, City (R & B) Div, Vadodara	Prof A J Shah Dr C D Modhera Dr S N Desai	1,99,016.00	2016-17	AMD
46	Project Management Consultancy of foot over bridge at Pal (RTO) and Y_ Junction, Dumas Road,	Shah Publicity	Dr A K Desai Prof A J Shah	86,957.00	2016-17	AMD
47	Condition Assessment of Residential Building "Prastavana Apartment"	Swami Corporation Services	Dr A K Desai Dr B Kondraivendhan Dr C H Solanki	1,00,000.00	2016-17	AMD
48	Condition Assessment of Residential Building	Dipak Awas Flats Owner Association	Dr A K Desai Dr S N Desai	73,913.00	2016-17	AMD
49	To review assessment and expert advice report on Vastra station pier Y& and Y9	Dinesh Chandra & Agrawal Pvt Ltd	Dr A K Desai Dr B Kondraivendhan	85,000.00	2016-17	AMD
50	Preparation of Structural design & Drawing for the construction of Gargi Kanya School at Godsamba	Panchayat (R & B) Sub Dn, Surat	Dr A K Desai	53,100.00	2016-17	AMD
51	Condition Assessment work for 11 Nos. School building of East Zone (Varachha) Surat	Surat Municipal Corporation, Surat	Dr G R Vesmawala Dr S N Desai Dr D B Raijiwala Prof A J Shah	2,65,500.00	2016-17	AMD
52	Condition Assessment	Samruddhi Corporation	Dr S N Desai Dr A M Parghi	35,280.00	2016-17	AMD
53	To assess the stability of existing / broken earthen structures and to suggest remedial measures for strengthening earthen structures	Birla Cellulosic	Dr A K Desai Dr S Kumar	2,65,500.00	2016-17	AMD
54	Condition Assessment	Megh Mayur Reality Pvt Ltd	Dr S N Desai Dr A M Parghi	25,000.00	2016-17	AMD
55	Condition Assessment	Shri Trimurti Co-op Housing Service Society	Prof A J Shah	30,435.00	2016-17	AMD
56			Dr Y D Patil Dr C H Solanki		2016-17	AMD
57	Condition Assessment	Vimlon Dyeing & Printing mills Pvt Ltd	Dr A K Desai Dr G R Vesmawala	70,800.00	2016-17	AMD
58	Review of Structural Design	Port Office, G M B Magdalla Port Surat	Dr C D Modhera Dr S A Vasanwala	36,000.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
59	Condition Assessment of Pier P84, Ahmedabad Metro Rail Project	Manager – QA/AC Ahmedabad Metro Rail Project	Dr A K Desai Dr B Kondraivendhan	90,000.00	2016-17	AMD
60	1. Condition Assessment of survey for major bridge across river ambika on Mahuwa Anaval Road (SH-165) 20/0 to 20/400 at Village Umra Condition Assessment of Adarsh Niwashi School Mahuwa and Chhatralaya Building	Executive Engineer, Surat (R & B) Div-2, Surat	Dr D B Raijiwala Dr B Kondraivendhan Dr A K Desai Dr C H Solanki	1,22,125.00	2016-17	AMD
61	Condition Assessment	Shubham Apartment Ltd (Part-3)	Dr A K Desai Dr B Kondraivendhan	40,000.00	2016-17	AMD
62	Condition Assessment	Gyanganga English Medium School	Dr C D Modhera Dr A M Parghi	50,000.00	2016-17	AMD
63	Condition Assessment	Sulsha Co-op Housing Society Ltd	Prof A J Shah Dr G R Vesmawala	50,000.00	2016-17	AMD
64	Condition Assessment	Shri Trimurti Co-op Housing Soc Ltd	Dr Y D Patil Prof A J Shah Dr C J Solanki	29,565.00	2016-17	AMD
65	Condition Assessment	Shantinketan Co-op Hosing Service Society	Dr G R Vesmawala Dr A K Desai	17,391.00	2016-17	AMD
66	Condition Assessment	The Surat Dist. Cricket Associates	Dr A K Desai Dr B Kondraivendhan	1,10,625.00	2016-17	AMD
67	Tower Visit Visual Inspection assessment report and possible recommendation for restore design strength or addition of antenna to the existing tower (Baroda, Surat, Rajkot, Gwalior)	Executive Engineer, (Civil), Prasar Bharti, Vadodara	Dr H S Patil, Dr Y D Patil Dr G R Vesmawala	1,35,000.00	2016-17	AMD
68	TPI- Development & Construction of Modern Crematorium at Silvassa	Chief Ex. Office, Dist Panchayat D N H Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	3,59,265.00	2016-17	AMD
69	TPI- Up gradation & Expansion of Shri Vinobha Bhave Civil Hospital to Multi Speciality Hospital with 5 year comprehensive maintenance of Civil Electrical Item(s) at Silvassa, DNH	Ex. Engineer, Project Cell Division, Medical and Public Health Department, DNH, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	16,74,426.00	2016-17	AMD
70	TPI – Const. of High Level bridge on river Damanganga Connecting Dudhani and Bildhari Village	Chief Officer, Silvassa Municipal Council, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	3,36,649.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
71	Third Party Inspection : Construction of Signature pedestrian Bridge at Dadra Garden, Silvassa, Third Party Inspection : Construction of Kala Kendra at Silvassa	Executive Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	3,75,093.00	2016-17	AMD
72	Third Party Inspection : Development of River Front at Ras Resort on Damanganga River (Phase-2), Silvassa	Superintending Engineer, Dadra and Nagar Haveli, Planning & Development Authority, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	10,17,467.00	2016-17	AMD
73	Third Party Inspection: Upgradation and Expansion of Shri Vinbha Bhave Civil Hospital to Multi Specialty Hospital, with 5 – year comprehensive maintenance of Civil and Electrical Item (s) Services) at Silvassa (DNH).	Ex. Engineer, Project Cell Division, Medical & Public Health Deptt, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	5,61,513.00	2016-17	AMD
74	TPI – Construction of Ring Road Stretches (AB, GH, & AH) for Silvassa Town (1st Phase)	Executive Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	2,31,479.00	2016-17	AMD
75	TPI – Re-asphalting to Road from Mohansinh Park to Shahid Chowk up to Masjid on Piparia Road	Executive Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	90,766.00	2016-17	AMD
76	<i>Third Party Inspection : Construction of New Secretariat Building at Silvassa</i>	Executive Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	1,32,173.00	2016-17	AMD
77	<i>TPI – Construction of Adivasi Culture Centre for Daman District at Moti Daman</i>	Executive Engineer, PWD, Daman	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	1,25,596.00	2016-17	AMD
78	<i>TPI – Construction of Compound Wall and Land leveling work with Internal Road</i>	Executive Engineer, Public Works Department, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	4,95,205.00	2016-17	AMD
79	<i>TPI – Providing water supply scheme for Kaucha and Jamalpada of Dudhani Patelad</i>	Executive Engineer, PWD, Daman	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	46,547.00	2016-17	AMD
80	TPI – Construction of Ring Road Stretches (AB, GH, & AH) for Silvassa Town (1st Phase)	Executive Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	1,92,615.00	2016-17	AMD
81	<i>TPI – Const. of High Level bridge on river Damanganga Connecting Dudhani and Bildhari Village</i>	Executive Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	60,426.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
82	<i>TPI – Construction of C.C. Road from Amaliya Junction to Vadoli Border via Panchayat Ghar at Dabhel Group Gam Panchayat Daman</i>	Executive Engineer, PWD, Silvssa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	73,047.00	2016-17	AMD
83	<i>TPI – Improvement and Widening of Road starting from Naila Pardi Road Junction to Pariyari School on Naila Pardi – Jampore Road to Moti Daman, Daman</i>		Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	1,42,211.00	2016-17	AMD
84	<i>proof checking of design and drawing for the work of construction of Cement Concrete Road, Drainage, Street Light Work at Merit Polymers and Ganesh Industrial Estate, Kachigam, Agrawal Industrial Estate &amp; Jalaram Industrial Estate, Dabhel at Damar</i>		Dr S N Desai Dr C D Modhera Dr A K Desai	29,667.00	2016-17	AMD
85	<i>TPI – Construction of Ring Road Stretches (AB, GH, &amp; AH) for Silvassa Town (1st Phase)</i>		Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	100.00	2016-17	AMD
86	<i>TPI – Providing water supply scheme for Gunsa &amp; Bildhari of dudhani Patelad</i>	Executive Engineer, PWD, Silvssa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	32,055.00	2016-17	AMD
87	<i>TPI – Improvement, Widening &amp; Raising including construction of CD Works, Strom water drain and retaining wall of Major district road starting from Rajivgandhi Setu approach at Moti Daman to Bhimatalav Road junction up to Bhamti Via Patlara Junction at Moti Daman</i>	Ex. Engineer, PWD, Daman	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	7,06,217.00	2016-17	AMD
88	<i>TPI – Augmentation of Nani Daman Water Supply Scheme</i>	Ex. Engineer, PWD, Daman	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	1,65,909.00	2016-17	AMD
89	<i>TPI – Improvement, Widening &amp; Raising including construction of CD Works, Strom water drain and retaining wall of Major district road starting from Rajivgandhi Setu approach at Moti Daman to Bhimatalav Road junction up to Bhamti Via Patlara Junction at Moti Daman</i>	Ex. Engineer, PWD, Daman	Dr C H Solanki Dr S R Gandhi Dr Satyajit Patel	66,618.00	2016-17	AMD



No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
90	<i>Augmentation of Water Supply Scheme of Moti Daman on Bhamti Branch Canal of Madhuban Dam</i>	Ex. Engineer, PWD, Daman	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	80,327.00	2016-17	AMD
91	<i>Third Party Inspection at Daman, Silvassa</i>	Ex. Engineer, PWD, Silvassa	Dr A K Desai Rakesh Kumar Dr K A Chauhan Prof A J Shah	79,33,566.00	2016-17	AMD
92	<i>Validation of Soil Report/ Recommendation for vertical cement grinding mill, storage building silos and packing plant at NArayanganj, Dahka, Bangladesh</i>	FL Smidth Chennai	Dr C H Solanki Dr S R Gandhi Dr Satyajit Patel	75,000.00	2016-17	AMD
93	<i>Site visit &amp; Field observation &amp; recommendation for light house work at Valsad</i>	Director, Light House & Lightships, Mumbai	Dr C H Solanki Dr S R Gandhi Dr Satyajit Patel	88,200.00	2016-17	AMD
94	<i>Third Party Inspection work for the construction of 288 flats of building No. 301, 302, 307, 308, 309 &amp; 310 and construction of 48 flats at Building 326 at Moje Kosad, DPR- V, Plot – H4- Package – 4</i>	Surat Municipal Corporation, Surat	Prof A J Shah Dr A K Desai Dr C D Modhera Dr Y D Patil Dr G R Vesmawala Dr S N Desai Dr C H Solanki Dr M K Desai	1,83,950.00	2016-17	AMD
95	<i>Third Party Inspection Services for the Construction of 240 Flats of Building No. 324,325,333,334 and 340 and Construction of 48 Flats of Building No. 326 for Urban Poor under JnNURM BSUP for DPR-V at Moje Kosad Plot No. H-4, Package -2, Surat</i>	Surat Municipal Corporation, Surat	Prof A J Shah Dr A K Desai Dr C D Modhera Dr Y D Patil Dr G R Vesmawala Dr S N Desai Dr C H Solanki Dr M K Desai	96,590.00	2016-17	AMD
96	<i>Third Party Inspection Services for the Construction of 288 Flats of Building No. 344,345,351,352,359 and 360 for Urban Poor under JnNURM BSUP for DPR-V at Moje Kosad Plot No. H-5, Package -1, Surat</i>	Surat Municipal Corporation, Surat	Prof A J Shah Dr A K Desai Dr C D Modhera Dr Y D Patil Dr G R Vesmawala Dr S N Desai Dr C H Solanki Dr M K Desai	1,53,321.00	2016-17	AMD
97	<i>Third Party Inspection Services for the Construction of 240 Flats of Building No. 291, 292, 293 297 and 298 and new construction of 80 Flats of Building No. 285 and 315 for Urban Poor under JnNURM BSUP for DPR-V at Moje Kosad Plot No. H-4, Package -3, Surat</i>	Surat Municipal Corporation, Surat	Prof A J Shah Dr A K Desai Dr C D Modhera Dr Y D Patil Dr G R Vesmawala Dr S N Desai Dr C H Solanki Dr M K Desai	94,479.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
98	Third Party Inspection Services for the Construction of 144 Flats of Building NO. 372, 383 and 390 for Urban Poor Under JNNURM-BSUP for DPR-V at Moje Kosad Plot No. H – 5, Package – 2, Surat	Surat Municipal Corporation, Surat	Prof A J Shah Dr A K Desai Dr C D Modhera Dr Y D Patil Dr G R Vesmawala Dr S N Desai Dr C H Solanki Dr M K Desai	95,393.00	2016-17	AMD
99	Third Party Inspection Services for the Construction of 192 Flats of Building No. 364, 365, 373 and 382 and New Construction of 48 Flats of Building No. 381 for Urban Poor under JnNURM-BSUP for DPR-V at Moje Kosad Plot No. H-5, Package-3, Surat	Surat Municipal Corporation, Surat	Prof A J Shah Dr A K Desai Dr C D Modhera Dr Y D Patil Dr G R Vesmawala Dr S N Desai Dr C H Solanki Dr M K Desai	1,41,566.00	2016-17	AMD
100	Proof checking consultancy service for various structures at Rameshwaram Temple, at Mandvi	Executive Engineer, Gujarat Toursim Corporation Limited, Gandhinagar	Dr A K Desai Dr S A Vasanwala	5,04,000.00	2016-17	AMD
101	Proof checking of structural drawing of building structure at Durwa Greens Located at Plot No. GH-08A, Sector Chi-V, Greater Noida, Gautam Budh Nagar (U.P).	KAMRUP HOUSING PROJECT PVT LTD, Plot No: GH-08A, Sector Chi-V, Greater Noida, Noida – 201308 (UP)	Dr A K Desai	97,181.00	2016-17	AMD
102			Dr C H Solanki		2016-17	AMD
103	Proof checking of Design and Drawing Construction of RCC Box, Steel Pipe, RCC Pipe Laying by pushing method for crossing of Oil/Gas pipeline on (1) Radhanpur-sub-branch canal 2 No. (2) Manpura sub Branch canal 5 No. of RSBC and MSBC	SSC Infrastructure Private Ltd 104, Sumel II, Nr, Grudwara, Sarkhej-Gandhinagar Highway Thaltej, Ahmedabad – 380 054	Dr A K Desai	38,497.00	2016-17	AMD
104	Vetting of BOQ Calculation of Rotunda Foundation (Surat Airport)	Deputy General Manager, Projects Three D Integrated Solutions Ltd, Gurgaon	Dr G R Vesmawala	20,000.00	2016-17	AMD
105	Proof checking of Structural Design and Drawing for the construction of Community Hall at TPS – 7 (Anjana) FP – 157	Executive Engineer, South East Zone (Limbat) SMC, Surat	Dr S A Vasanwala	1,08,389.00	2016-17	AMD
106	Proof checking of Structural Design of Community Hall TPS No. 40 (Limbat-Dindoli) FP NO. R- 04	Executive Engineer, South East Zone (Limbat) SMC, Surat	Dr H S Patil	2,10,694.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
107	Consultancy charges for providing proof checking services for Structural Design and Drawing : roject : Four / Six Lanning of Gujarat/Maharashtra Border-Surat-Hazira Port Section of NH-6 (approx length 132.913 Kms) in the state of Gujarat under NHDP Phase III on DBFOT basis through Public Private Sector Partnership (PPP) on Design Build, Finance, Operate and Transfer (DBFOT) basis- Design calculation & Drawing & Reinforcement details for ROB Central Span at KM 3+ 889 (Package – B)	Soma Enterprise Ltd Km. 23+ 500, NH-06, Surat Dhule Road, Pokhran Village, Songadh, Tapi District, Gujarat – 394 670	Dr C D Modhera	30,975.00	2016-17	AMD
108	Proof checking consultancy services and iusse of structural stability certificate for the foundation with WTG of S97-120 m and S97 – 90 m	Suzlon Energy Ltd	Dr A K Desai	89,621.00	2016-17	AMD
109	Structural and Foundation design Vetting of 30.5 m Flag Mast for Rajasthan University of Veterinary and Animal Science"	Transrail Lighting Limited,) Mumbai – 400 051	Dr C H Solanki	30,000.00	2016-17	AMD
110	Proof checking of Structural Design for LIG / EWS dwelling units under GRUH scheme for urban poor	Surat Municipal Corporation, Surat	Dr H S Patil	5,03,590.00	2016-17	AMD
111	Proof checking of Structural Design for LIG / EWS dwelling units under GRUH scheme for urban poor	Surat Municipal Corporation, Surat	Dr H S Patil	1,28,745.00	2016-17	AMD
112	Proof checking Consultancy services for the design and drawing for construction of Police Bhavan at Lucknow	STUP Consultant Pvt LTD	Dr C D Modhera	4,05,000.00	2016-17	AMD
113	Providing proof checking consultancy services for construction of (1) Bridge across creek on 18 mt wide TP Road near Swastik Nagar of Scheme No. 35 at Surat (2) Construction of Bridge across creek on 30 mt wide TP Road Near Hari Nursuri of Scheme 35 , Surat	Surat Urban Development Authority	Dr C D Modhera	2,22,412.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
114	Providing Proof checking services for structural design and drawing of RC box culvers of span 3x (2 x 6.0 x 7.0 m) RCC Box for 32 ST Axial Load IRS	Rites Ltd	Dr Y D Patil	36,000.00	2016-17	AMD
115	providing proof checking consultancy services of structural	Rail Vikas Nigam Limited, Abu Road, Rajasthan	Dr Y D Patil	1,80,000.00	2016-17	AMD
116	designs and drawings of FOB's At Karjoda Station (2) At Chitrasani Station		Dr A K Desai		2016-17	AMD
117	Proof checking of structural drawing for construction of M T I Hostel Block in Jodhpur, Rajasthan under CPWD	Apeksha Consultants & Construction Services, Jaipur	Dr Y D Patil	21,739.00	2016-17	AMD
118	Proof checking consultancy services for the project of Bank Protection work along vehicle track on both side of Kankar and Mithi Creek under water quality improvement scheme Mindhola River in Surat	Surat Municipal Corporation, Surat	Dr S N Desai	6,58,000.00	2016-17	AMD
119	Vetting charges for Construction of Polytechnic College building with other amenities and auditorium at education at Kevdi	Administration Department, Public Works Department, Work Divison-II, Diu	Dr G R Vesmawala	3,89,577.00	2016-17	AMD
120	Vetting charges for construction of Site Development and Construction of Government College Building		Dr G R Vesmawala	4,86,970.00	2016-17	AMD
121	Providing Proof checking services of Structural Design & Drawing Project : Six laning of Samakhiyali-Gandhidham Section of NH – 8A from 306.000 to km 362.160 in the State of Gujarat to be executed as BOT (Toll) on Design, Build, Finance, Operate and Transfer (DBFOT) under NHDP Phase V - 3rd Party Structural Audit of ROBs @ km 330 + 035 & 336 + 920	L & T Samakhiyali-Gandhidhan Tollway Limited	Dr H S Patil	9,00,000.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
122	Proof checking of design and drawing for proposed widening bridge at Ch. 66 + 260 Project : Rehabilitation and Upgradation of NH-221 (New NH-30) from KM 32.735 to 71.200 (Chandragudem to AP/Telangana Border Section) in the State of Andhra Pradesh to Two Lane with Paved Shoulder Under NHDP – IV Phase on EPC Basis	Dilip Buildcon Ltd	Dr S N Desai	1,57,500.00	2016-17	AMD
123	Proof Checking of design and drawings for proposed ROB on Shahdol to MP Chhattisgarh Border Section of Nh-78 Project : Rehabilitation and up-gradation of Shahdol to MP Chhattisgarh border section of NH-78 from km. 142/2 (end of Shahdol bypass) to km. 245/00 (at MP CG border) (design length 91.80km.) to 2- lane with paved shoulder as CC pavement road in the state of Madhya Pradesh on EPC mode.	Dilip Buildcon Ltd	Dr S N Desai	1,35,000.00	2016-17	AMD
124	Proof checking of design and drawing for proposed ROB ON Karauli – Dholpur Road Project : Two –laning with paved shoulder of (Karauli to Dholpur) Section on NH-11B from km 83.960 to km 184.460 (Length 100.900 km) on EPC Mode	Dilip Buildcon Ltd	Dr S N Desai	4,05,000.00	2016-17	AMD
125			Dr C H Solanki		2016-17	AMD
126	Proof checking of design and drawing for proposed ROB on Katipudi – Start of Kakinada Bypass Road Section Project : Rehabilitation and Upgradation of Khatipudi – Start of Kakinada Bypass Section From km 0/000 to km 26/150 of NH- 214 (NEW NH – 216) to Four Lane With Paved Shoulder in the State of Andhra Pradesh under NHDP - IV	Dilip Buildcon Ltd	Dr S N Desai	3,37,500.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
127	Proof checking of design and drawing for proposed ROB Parallel to Existing ROB near Inradatganj Railway Station at Railway km 1341/7-8 on Manikpur-Allahabad Railway Line Crossing of NH-27 Project : Rehabilitation and upgradation of Allahabad to UP/MP border section of NH-27 from km 4.285 to km four lanes with paved shoulders in the state of Uttar Pradesh on EPC Mode under NHDP - IV	Dilip Buildcon Ltd	Dr S N Desai	2,70,000.00	2016-17	AMD
128	Vetting of structural design and drawing prepared by consultant for the work of Construction of Indoor Stadium at Amlj, Silvassa	Executive Engineer, PWD, Silvassa	Dr A K Desai	1,50,148.00	2016-17	AMD
129	Proof checking of structural design and drawing for the construction of Minor Bridge in Place of Lower Level Cause way at Umarkui-Bhagatpada on Umarkui to Kilvani Road (Ch. 2/6 to 2/8 km in U T of Dadra & Nagar Haveli	Executive Engineer, PWD, Silvassa	Dr A K Desai	78,775.00	2016-17	AMD
130	Vetting of structural design & drawings for the work of Construction of Type – III quarters for General Pool Accommodation in DNH	Executive Engineer, PWD, Silvassa	Dr A K Desai	63,720.00	2016-17	AMD
131	Investigation Report regarding collapse of retaining and compound wall constructed surrounding newly constructed circuit house at Silvssa	Executive Engineer, PWD, Silvassa	Dr A K Desai	30,212.00	2016-17	AMD
132	Proof checking services of Design and Drawing for the construction of High Level Bridge on Kolak River at Patalia Causeway in Daman District	Executive Engineer, PWD, Moti Daman	Dr A K Desai	56,198.00	2016-17	AMD
133	Vetting of structural design and drawing for the work "Construction of Training Centre at Jilla Panchayat Department, Silvassa	Executive Engineer, PWD, Daman	Dr A K Desai	1,76,130.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
134	Proof checking services of Design and Drawing for the construction of High Level Bridge on Kolak River at Patalia Causeway in Daman District	Executive Engineer, PWD, Moti Daman	Dr A K Desai	2,32,375.00	2016-17	AMD
135	Assessment of Kachigam Lake Road Site from Safety Point of view	Executive Engineer, PWD, Moti Daman	Dr A K Desai	88,025.00	2016-17	AMD
136	Vetting of structural design for the work of construction of welder Trader & Turner Trade building & internal road design, ITI, Nani Daman	Executive Engineer, PWD, Moti Daman	Dr A K Desai	38,422.00	2016-17	AMD
137	Vetting of Structural Design & drawing prepared for the construction of Multi Level Parking at Daman Ganga River Front Development	Executive Engineer, Public Works Department, Silvassa	SND/ AKD	1,77,000.00	2016-17	AMD
138	providing consultancy services for verification at site of work & Provide technical guidance to prevent leakage to existing check dam at Birdbrain	Executive Engineer, Public Works Department, Silvassa	SND/ AKD	1,32,750.00	2016-17	AMD
139	proof checking of design and drawing for the work of Construction of Van Bhavan at Silvassa (Forest Department, DNH)	Executive Engineer, Public Works Department, Silvassa	CHS/AKD / RK	5,31,000.00	2016-17	AMD
140	proof checking of design and drawing for the work of New Control Room Building at 66 KVA sub station Building at Khadoli, Amboli	Executive Engineer, Public Works Department, Silvassa	CHS/AKD / RK	44,250.00	2016-17	AMD
141					2016-17	AMD
142	Vetting of Structural Design & drawings for the work of "Type – III Quarters for Medical Department in DNH	Executive Engineer, Public Works Department, Silvassa	CHS/AKD / RK	1,91,238.00	2016-17	AMD
143	Proof checking of structural design and drawing for the construction of Gymnasium Building at Khanvel	Executive Engineer, Public Works Department, Silvassa	SND /AKD /DBR	52,998.00	2016-17	AMD
144	Proof checking of structural design structural details and relevant drawing of CRCL building, RTGC in connection with development of MMLP at Khodiyar	Rites Ltd, Ahmedabad	Dr G R Vesmawala	1,98,000.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
145	Proof checking of structural drawings of RTG workshop 927 sq. m foundation design of ware house PEB type 2000 sq. m and compressor room 6 m x 6 m for concor at LCD Khodiyar	Rites Ltd, Ahmedabad	Dr G R Vesmawala	85,500.00	2016-17	AMD
146	Proof Checking of Structural drawing for construction of MTI Hostel Block in Jodhpur, Rajasthan	Apeksha Consultants & Construction Services	Dr G R Vesmawala	40,000.00	2016-17	AMD
147	Proof checking consultancy service for the work of construction of 2 (two) Nos. 45 MLD Capacity Radial Collecting (French well) approach bridge across at TP – 22, FP – 82 – 83, Sarthana, Valak, Surat	Surat Municipal Corporation, Surat	Dr C D Modhera	8,01,811.00	2016-17	AMD
148	Consultancy charges for Proof checking service for Structural Design & Drawing Project : Various drawing of ROB/RFO (1) ROB 6 (2) ROB Ringus (3) ROB Kishangarh (4) ROB Sendra (5) RFO-2 (6) RFO – 349 (7) RFO-3 only box structure.	Thoughts Consultants Pvt LTd	Dr H S Patil	1,25,000.00	2016-17	AMD
149	Consultancy charges for Proof checking service for Structural Design & Drawing Project : Various drawing of ROB/RFO (1) ROB 6 (2) ROB Ringus (3) ROB Kishangarh (4) ROB Sendra (5) RFO-2 (6) RFO – 349 (7) RFO-3 only box structure.	Thoughts Consultants Pvt LTd	Dr H S Patil	1,25,000.00	2016-17	AMD
150	Proof checking of architecture Design and drawing for provn of Auditorium cum cinema hall at Air force Station Sarsawa	Geo Designs & Research Pvt Ltd	Dr G R Vesmawala	15,652.00	2016-17	AMD
151	1. Proof checking work of detailed design and drawings of Rail Over Bridge (ROB) in Lakheri at LC – 136 at Pari Phatak on Mega Highway SW01	The Executive Engineer, Provincial Division, Public Works Department, Haridwar, (Uttarakhand (Strength Engineering Services Pvt Ltd, Jaipur)	Dr H S Patil	52,174.00	2016-17	AMD



No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
152	Proof checking of Detailed Design and Drawing of Major River Bridge on Rawasan River Between Lal Dhang & Meethiberi in District Haridwar under State Sector		Dr H S Patil	3,00,000.00	2016-17	AMD
153	Providing proof checking consultancy service for the structural design and drawing of Import- Export Ware House Project : Construction of CC Pavement, Warehouse, Admin Building, Boundary Wall and Drains etc in connection with Development of MMLP Barhi Near Rajlugarhi Railway Station, Sonipat District (Haryana).	Goma Engineering and Consultancy, Ahmedabad	Dr A K Desai	75,000.00	2016-17	AMD
154	Proof checking services of structural design & calculations for construction of STPs at New Delhi Municipal Corporation (NDMC), Gole Market (200 KLD Capacity), Nehru Park (500 KLD Capacity), Rose Garden-NIT Marg (100 KLD Capacity), Rose Garden- Nayara Marg (300 KLD Capacity)	Director Eco System Resources Management Pvt Ltd, Surat	Dr D B Raijiwala	1,00,361.00	2016-17	AMD
155	Proof checking of Type-3 and Type- 4 staff residential I high rise building for income tax department at Majura Gate Campus Surat	VMS Engineering and Design Services	Dr A K Desai	1,12,500.00	2016-17	AMD
156	Vetting of structural design of tensile membrane schedule at Auditorium Malala, Diu	Western outdoor structures Pvt Ltd	Dr A K Desai	50,000.00	2016-17	AMD
157		C/o Ex. Engineer, PWD, WD-II. Diu	Dr B Kondraivendhan		2016-17	AMD
158	Proof checking RCC Panel Design (DFF Project at Jaipur)	Virat Construction CO., Ahmedabad	Dr A K Desai	28,000.00	2016-17	AMD
159	Structural and Foundation design Vetting of 30.5 m Flag Mast for Rajasthan University of Veterinary and Animal Science"	Transrail Lighting Limited	Dr C H Solanki	66,150.00	2016-17	AMD
160	Providing proof checking consultancy services for the work of Construction of Flyover Bridge on Katargam Main Road, Surat	Surat Municipal Corporation Surat	Dr S N Desai	3,23,213.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
161	<i>Review Validation of the Non Destructive and Semi destructive testing report from Civil Aid and Suggest for corrective rectification measures.</i>	Suzlon Energy Limited, Pune	Dr A K Desai	90,000.00	2016-17	AMD
162	Proof checking consultancy services for the project of Bank Protection work along vehicle track on both side of Kankar and Mithi Creek under water quality improvement scheme Mindhola River in Surat	Surat Municipal Corporation, Surat	Dr S N Desai	13,20,000.00	2016-17	AMD
163	Proof checking of bridge in state of Odisha (High Level Bridge Project ON River Mahandadi in State of Odisha under OPWd on EPC Basis	Ajay Protech Pvt Ltd	Dr A K Desai	4,41,304.00	2016-17	AMD
164	Soil Testing and SBC Report of ITI, Kharach	Executive Engineer, Bharcuh (R & B) Div, Bharuch	Dr Satyajit Patel	1,24,392.00	2016-17	AMD
165	Soil Testing and SBC Report on Office Building, Ahtwalines	Ex. Engineer, R & B Div, Valsad	Shri J B Patel	79,002.00	2016-17	AMD
166	Soil testing and SBC Report for ROB at Dungri	Ex. Engineer, R & B Div, Valsad	Dr C H Solanki	5,32,813.00	2016-17	AMD
167	Soil Testing & SBC Report for Bridge at Nizaer Field CBR Test, Soil Time Mix Design	Executive Engineer, Tapi (R & B) Dn, Vyara	Dr C H Solanki	2,53,559.00	2016-17	AMD
168	Soil Tsting for Bridge on Kaveri River at Bilimora	Executive Engineer, (R & B) Div, Navsari	Dr Satyajit Patel	4,07,604.00	2016-17	AMD
169	Soil Testing & Mix Design for T K B S N Road	Executive Engineer, Surat (R & B) Div, Surat	Dr C H Solanki	3,54,394.00	2016-17	AMD
170	Soil Testing and SBC Report for Bridge Tithal circuit house gabion wall	Ex. Engineering (R & B), Valsad	Dr Satyajit Patel	3,24,730.00	2016-17	AMD
171	Soil Testing for check dams at Ahwa Dang	Executive Engineer, Vert-II, Project Dn, Vyara	Shri J B Patel	18,46,000.00	2016-17	AMD
172	Testing charges for Rock samples for the construction of Bridge on River Damanganga	Executive Engineer, PWD , DIV- II, Silvassa	Dr Satyajit Patel	17,600.00	2016-17	AMD
173	Recommendation and design of stone colum for ground improvement	Cube Construction Engg Ltd	Shri J B Patel	40,000.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
174	Charges for geological survey and photographic documentation of existing condition of Kavi Kalapi Garden, Lake Adajan, Surat	Surat Municipal Corporation, Surat	Dr A K Desai	1,55,050.00	2016-17	AMD
175	Soil Bearing capacity report	Executive Engineer, Panchayat (R & B) Division, Surat	Dr Shailendra Kumar	74,340.00	2016-17	AMD
176	Soil testing and SBC Report for ROB Dungri, (Additional Bores)	Executive Engineer, (R & B), Div Valasad	Dr Satyajit Patel	2,92,400.00	2016-17	AMD
177	Soil testing and SBC Report	Executive Engineer Tapi (R & B) Div, Vyara	Dr Satyajit Patel	5,07,620.00	2016-17	AMD
178	Soil testing for CBR For proposed widening and strengthening of NH 6 to Chhedachha - Kosamba 0 organ road	District Panchayat, Surat	Dr Shailendra Kumar	1,48,680.00	2016-17	AMD
179	Vetting of design and testing for construction of Indo-Pak Border Road fencing BOP- BFL between BP - 1023 to BP - 1035 to BP - 1051 at Rann Kutch, Gujarat	M K Infrastructure Ltd, Kutch	Dr A K Desai	3,00,000.00	2016-17	AMD
180	Soil Consultancy work for recommendation for canal lining work	Shivalay Infra Projects Pvt Ltd	Shri J B Patel	30,000.00	2016-17	AMD
181	Soil Testing and BBD Test for Dindoli-Kharvasa Bhatia Road	Ex. Engineer (R & B), Div NO.1, Surat	Dr Shailendra Kumar	1,53,900.00	2016-17	AMD
182	Soil Testing and SBC Report for ITI Building at Majuragate	Ex. Engineer, R & B, Div No.1, Surat	Dr S J Shukla	1,71,570.00	2016-17	AMD
183	Soil Recommendation (SBC Report)	Ex. Engineer, Surat (R & B) Div- Surat	Dr Satyajit Patel	1,40,242.00	2016-17	AMD
184	Soil Consultancy soil testing & BBD test for Bajipura - Khaheer Road	Executive Engineer, Tapi (R & B), Dn. Vyara	Dr Shailendra Kumar	1,11,510.00	2016-17	AMD
185	Proof checking of Soil Investigation report for Thermal Power Plant, at Ghatampur	Alstom Bharat Forge Power Limited, Noida	Dr S R Gandhi	90,000.00	2016-17	AMD
186	Soil Constncy for SBC report for Tapi Jalbhavan & Other office Building at Ukai	Executive Engineer, Ukai Div-1,	Dr S J Shukla	2,36,500.00	2016-17	AMD
187	BBD and Soil testing for Alwar Subir Road and Vaghai-Sapura Road	Executive Engineer, Dangs (R & B), Div, Ahwa	Dr C H Solanki	1,64,868.00	2016-17	AMD
188	SBC Report for Art College at Umarpada	Executive Engineer, ( R & B), Div, Surat	Dr Satyajit Patel	80,835.00	2016-17	AMD

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
189	SBC Report for School Building at Mori, Jhagadia	Executive Engineer, Bharuch (R & B) Division, Bharuch	Shri J B Patel	66,048.00	2016-17	AMD
190	Providing TPI for the work of providing laying and constructing storm water drainage (Box Drain) system outlet No.03, Part-A in N.Z. (New Area) of Surat City	Surat Municipal Corporation, Surat	Dr. P. L. Patel	2,33,021.00	2016-17	CED
191	Providing TPI for Construction of RCC Box / Providing and Laying R.C.C. pipes for storm drainage system branches to SW-5 outlet at Delhi Public School to Dumas Tapi River in S.W. Zone new area of SMC, Surat.	Surat Municipal Corporation, Surat	Dr. P. L. Patel	3,04,667.00	2016-17	CED
192	Construction of Additional New Bridge with approaches at Tad Creek in Diu District.	Public Works Department, Diu	Dr. G. J. Joshi	3,29,364.00	2016-17	CED
193	TPI for various metal grouting road Works in North Zone(Katargam).	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	78,407.00	2016-17	CED
194	TPI for Various Matal Grouting & C.C. Roads Works in North Zone (Katargam)	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	3,76,093.00	2016-17	CED
195	TPI for Carpet/Recarpet roads having Below 24.0mt. wide falling in North Zone Jurisdictions within Surat City limit by Contractor's own drum mix type hot mix plant & Paver finisher to be installed in Surat City limit.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	1,16,748.00	2016-17	CED
196	TPI service for various Metal Grouting road works in East Zone (Varachha) in T.P.S. No. 16,20 & 38.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	1,20,362.00	2016-17	CED
197	TPI for Carpeting/ Recarpeting of Roads having width below 24.00mt and above 24.00mt in S.E.Z.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	1,10,199.00	2016-17	CED

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
198	TPI for (1)Construction of Flexible pavement for Sachin-Palāsana Highway to Sachin Navsari Highway through Vanz Road and Sachin sector-2&3 (2) Construction of Road widening, Carpeting and Painting work from Sachin Vanz Junction to GIDC gate at Sachin & Construction and Carpeting of 18mt road between sachin sector1,2 & 3 (7.5mt wide).	Surat Urban Development Authority	Dr. Ashish Dhamaniya	1,21,612.00	2016-17	CED
199	a) Four Laning of Surat-Sachin Navsari Road Km.13/4 to 30/360.b) Four Laning of Billimora Chikhli Road Km.4/4 to 9/0.c) four Laning of Chikhli-Vasda-Vaghai-Saputara Road Km.23/0 to 41/2.	Road & Building Division, Navsari	Dr. G. J. Joshi	9,31,000.00	2016-17	CED
200	Consultancy services for technical audit and quality assurance for road works under Tapi (R & B) Division Vyara	Road & Building Division, Vyara	Dr. G. J. Joshi	5,83,100.00	2016-17	CED
201	Consultancy Services for Road Safety Audit	Road & Building Division, Navsari	Dr. S. S. Arkatkar	2,74,400.00	2016-17	CED
202	Consultancy Services for Road Safety Audit	Road & Building Division, Vyara	Dr. S. S. Arkatkar	5,22,900.00	2016-17	CED
203	TPI for construction of Primary School at DTPS No. 61 (Parvat-Godara), F. P. No. R-48 in South East Zone (Limbayat), Surat	Surat Municipal Corporation, Surat	Dr. C. R. Patel	80,730.00	2016-17	CED
204	TPI for Providing and Constructing R.C.C. storm Water line for Outlet No.10 in T.P.S. No.14 (Pal) in West Zone(Rander)area of Surat City	Surat Municipal Corporation, Surat	Dr. J. N. Patel	91,918.00	2016-17	CED
205	TPI for Extension of Padmabhushan Sports Complex	Public Works Department, Diu	Dr. J. E. M. Macwan	4,13,878.00	2016-17	CED
206	TPI for Construction of fishing platform from Kajimam to bunder jetty at Ghoghla-Diu.	Public Works Department, Diu	Dr. J. E. M. Macwan	8,88,917.00	2016-17	CED

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
207	TPI for 1) Const. of New Vegetable and Fish market behind recreation Park-Diu..2) Const. of Swimming pool, Gymnasium and indoor sports complex at Bandodkar Colony, Ghoghla, Diu.3) Beautification & development of Jogging Track at Bandodkar Colony, Ghoghla, Diu. 4) Development of Sunset point at Chakratirth beach at Diu	Diu Municipal Council, Diu	Dr. J. E. M. Macwan	10,23,116.00	2016-17	CED
208	Consultancy Services for Preparation of Development Plan for Smart Villages under Surat District.	District Panchayat, Surat	Dr. J. E. M. Macwan	19,55,000.00	2016-17	CED
209	Reconstruction/ Strengthening of damage boundway wall of ONGC Uran Plant, Uran	ONGC, Uran	Dr. K. A. Chauhan	5,13,000.00	2016-17	CED
210	TPI Services for Providing Laying and Constructing Storm Water Drainage (Pipe Drain) System for remaining roads of package Outlet-4 and Outlet-5 in N. Z. (New Area) of Surat City.	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	1,79,038.00	2016-17	CED
211	Providing & Laying 600/800/1000 & 1200 MM dia R.C.C. NP3/NP4 class storm drain pipe line from Taslimnagar on Unn Canal Service Road to Sanjarnagar Khadi (Khadi Outlet No.13) via Aasmanagar @D.T.P.S. No.59 (Unn) in S.Z. (Udhna) Surat.	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	48,659.00	2016-17	CED
212	Providing Third Party Inspection (TPI) for the work of 'Government Boys Dry Hostel, Surat Building Works'	Road & Building Division, Surat	Dr. S. M. Yadav	1,06,599.00	2016-17	CED
213	TPI & Monitoring for Integrated Water Management Plan for Naroli, Dadra and Samarvani Patelad.	PWD-III,DNH, Silvassa	Dr. S. M. Yadav	10,40,588.00	2016-17	CED
214	TPI & Monitoring for Integrated Water Management Plan for UT of DNH Water Supply Arrangement in Zone-1(Underground Water Storage Reservoir)	PWD-III,DNH, Silvassa	Dr. S. M. Yadav	1,11,071.00	2016-17	CED
215	Laying of Pipeline from Madhuban Dam to Dabhel Dunetha and Magarwada Treatment Plant.	OIDC, Daman	Dr. K. A. Chauhan	12,57,632.00	2016-17	CED

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
216	'Construction of Engineering, Procurement and Construction (EPC) Contract for providing and laying sewer collecting pipeline with House connection and Construction, Erection, Testing and Commissioning of all the Sewage Pumping Station with all Civil, Mech. and Electrical works including rising main with 1 year free comprehensive plus 4 years operation & Maintenance for daman Underground sewerage project.'	Daman Municipal Council, Daman	Dr. R. A. Christian	9,95,797.00	2016-17	CED
217	TPI services on site visit basis for various metal grouting road works	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	12,679.00	2016-17	CED
218	TPI services for various metal grouting road works in T.P. Roads and Internal Society Roads.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	38,036.00	2016-17	CED
219	TPI for Metal grouting work in various T.P. road and internal road of society in S. E. Z.(Limbayat), Surat	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	28,527.00	2016-17	CED
220	Consultancy Services for Surat Urban Development Authority, Surat RDP-2035	Surat Urban Development Authority	Dr. J. E. M. Macwan	4,18,000.00	2016-17	CED
221	TPI Services for the work of construction of Cement Concrete roads of Various societies in West Zone (Rander).	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	1,11,193.00	2016-17	CED
222	TPI for Construction of Metal Grouting Roads as per Various design in W.Z. (Rander).	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	1,38,024.00	2016-17	CED
223	TPI for the work of Package-2	Surat Urban Development Authority	Dr. S. S. Arkatkar	79,950.00	2016-17	CED
224	TPI for the work of Package-1	Surat Urban Development Authority	Dr. Ashish Dhamaniya	1,29,918.00	2016-17	CED
225	Scrutiny of Planning of Community Hall from SMC surat located at Limbayat South East Zone T.P.S. No.61, F.P. No.R-8, Surat.	KRIASHIL, Surat	Dr. K. A. Chauhan	1,71,247.00	2016-17	CED
226	Mix Design for the work of S.R. to Valsad Gundlav Khergam Road K.m. 0/0 to 20/2 (sec 2/0 to 11/2)	Road & Building Division, Valsad	Dr. Rakesh Kumar	1,14,500.00	2016-17	CED

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227	Mix Design for the work of Repair Ankleshwar Piraman road 0/0 to 3/600 (0/0 to 0/900)	Road & Building Division, Ankleshwar	Dr. Rakesh Kumar	57,250.00	2016-17	CED
228	Study and Evaluation Including Recommendations for Strengthening of Existing Approach Road to Bhata Valve Station For ONGC Hazira Plant, Surat.	ONGC, Hazira, Surat	Dr. Ashish Dhamaniya	4,71,053.00	2016-17	CED
229	Field and Laboratory Investigations: Beawar-Pali-Pindwara Toll-Way Ltd.	L&T Infra.	Dr. S. S. Arkatkar	2,04,802.00	2016-17	CED
230	Proof checking for approval of proposed design/drawings including approach road of our TSDF site.	Eco Care Infrastructure Private Limited.	Dr. K. D. Yadav	7,03,500.00	2016-17	CED
231	Vetting of Sluice Gate Design	Royal Infra Engineering Pvt. Ltd.	Dr. J. N. Patel	57,500.00	2016-17	CED
232	Providing TPI for laying of 600mm dia pipeline to fill Dindoli pond in South East Zone (Limbayat) Draf T.P. Scheme no.69 (Goddara-Dindoli).	Surat Municipal Corporation, Surat	Dr. V. L. Manekar	12,366.00	2016-17	CED
233	TPI for the work of Providing & laying storm drainage line Rcc NP2/NP3 class pipes from Ved main road Viramnagar School to Shivchaya Soc.and till Ved main road Hariom Mill to Shivchaya Society vai Gopinath Society on T.P. road at N.Z. (Katargam).	Surat Municipal Corporation, Surat	Dr. V. L. Manekar	21,123.00	2016-17	CED
234	Construction of Retaining wall (Wing Wall) for existing R.C.C. Culvert on Priyanka Khadi in D.T.P.S. No.62 (Dindoli-Bhedwad-Bhestan) in S.E.Z. (Limbayat)	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	49,249.00	2016-17	CED
235	Establishing Benchmark near Surat Airport and Palsana Road for DREAM City Project.	Gujarat Infrastructure Development Board	Dr. C. R. Patel	30,000.00	2016-17	CED
236	TPI services for the work of construction of metal grouting roads as per various designs in west zone (Rander)	Surat Municipal Corporation, Surat	Dr. R. M. Tailor	66,222.00	2016-17	CED
237	Proof Checking of Hydraulics for "Rural Water Networks Components"	Dilip Buildcon Ltd.	Dr. S. M. Yadav	14,06,101.00	2016-17	CED



No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
238	Proof Checking of Asphalt Road Design for Various road by M/s DELF Consulting Engineers (India) Pvt. Ltd. Ahmedabad.	Silvassa Municipal Council, Silvassa	Dr. Rakesh Kumar	3,22,000.00	2016-17	CED
239	Proof Checking for Construction of Indo-Pak Border road between BP-1023 to BP-1035 and BP-1035 to BP-1051 at Rann of Kutch, Gujarat	MACCAFERRI Environmental Solution Pvt. Ltd.	Dr. Rakesh Kumar	74,750.00	2016-17	CED
240	TPI for providing & Laying 600/800/1000 MM dia RCC NP2/NP4 class storm drain pipe line from Vishnunagar-Saikrupa Society T.P. Road (Bamroli Outlet-4) at DTPS No.58 (Bamroli) in South Zone (Udhana), Surat.	Surat Municipal Corporation, Surat	Dr. J. N. Patel	90,904.00	2016-17	CED
241	Scrutiny of Planning for the site Accommodation for Area-V at Adichapuram (Psa-V).	Suchintan Enterprises, Dombivali	Dr. K. A. Chauhan	75,000.00	2016-17	CED
242	Design of Water Supply Ichhapore Bhatpore-64 Hect. Estate.	GIDC, Surat	Dr. S. M. Yadav	1,87,112.00	2016-17	CED
243	Consultancy Work of to Study the Settement of TLF area roadway and SD rooms at IOCL, Hazira, Surat	IOCL, Hazira	Dr. Rakesh Kumar	1,79,868.00	2016-17	CED
244	Vetting of Reports for Underground Sewerage Project of Anupshahr town.	Laxmi Construction, Ahmedabad	Dr. K. D. Yadav	8,40,000.00	2016-17	CED
245	Overlay Design and Proof Checking of Project Length (1080 Km. to 1100 Km.), Kota-Baran Road, Rajasthan, India.	Kota Baran Tollway Pvt. Ltd., Rajasthan, India.	Dr. Rakesh Kumar	2,30,000.00	2016-17	CED
246	Consultancy Services for Preliminary Design of Utilities / Services of Town Planning Scheme 2 East (TP2E) at Dholera Special Investment Region.	Design Point Consultant Pvt . Ltd., Gujarat	Dr. P. L. Patel	8,75,175.00	2016-17	CED
247	Vetting of Hydraulic Design, Structural Design & Drawing prepared by our consultant for proposed Providing Storm Water Drainage running through old Panchayat Market to joining near Everest Park, Naroli Road from Survey No.305p of Silvassa (Phase-II).	Silvassa Municipal Council, Silvassa	Dr. S. M. Yadav	3,93,708.00	2016-17	CED
248	Traffic Survey for Dream City Area, Surat	HaskoningDHV Consulting Pvt. Ltd.	Dr. Ashish Dhamaniya	1,99,500.00	2016-17	CED

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249	Mix Design for Constructing a Box Culvert abs slab dain on Various road in Jallalpor Taluka Dist. Navsari Under 86-3054-S.R.Years 2015-16 Package-1 (2Box Culvert, slab Drain).	Panchayat (Road & Building Division,) Sub Division, Navsari	Dr. Ashish Dhamaniya	49,464.00	2016-17	CED
250	Study of Hydraulic Impact of Existing bridge on proposed bridge on Baraker river in Govindpur-Tundi-Giridih road project in Jharkhand State.	Ashoka Builcon Ltd.	Dr. P. L. Patel	2,10,000.00	2016-17	CED
251	Feasibility Study for the Setting Up of Truck Parking Terminal at Kandla.	WAPCOS Limited	Dr. G. J. Joshi	6,30,000.00	2016-17	CED
252	TPI of Leveling of new acquired land for extension of the runway at Airport-DIU	Public Works Department, Diu	Dr. J. E. M. Macwan	2,77,518.00	2016-17	CED
253	TPI of Construction of Auditorium near overhead Water Tank at Malala Village-DIU	Public Works Department, Diu	Dr. J. E. M. Macwan	80,285.00	2016-17	CED
254	TPI for Construction of extension of fishing platform by providing C.C.wall with back earthfilling and soiling on to towards creek side at Pavti-Diu.	Public Works Department, Diu	Dr. J. E. M. Macwan	1,17,874.00	2016-17	CED
255	Proof Checking of Hydraulics of Major Bridge at Km 12+187.5 of Z Morh Tunnel Section.	IL&FS Transportation Network Limited, Ahmedabad	Dr. P. V. Timbadiya	73,150.00	2016-17	CED
256	TPI for Capeting/ Recarpeting of Roads having width 24.00mt and above contractor's own Hot Mix Plant and sensor Paver finisher falling in S.W.Z.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	45,389.00	2016-17	CED
257	Third Party Inspection services on site visit basis for metal grouting works of various roads in different areas in South Zone (Udhna) Surat.	Surat Municipal Corporation, Surat	Dr. R. M. Taillor	3,13,087.00	2016-17	CED
258	TPI work for various metal grouting road works in South Zone (Udhana). Package No. 2 Work Order	Surat Municipal Corporation, Surat	Dr. R. M. Taillor	3,02,266.00	2016-17	CED
259	TPI for the Metal Grouting Works of Various Roads in Different areas in SZ (Udhana)	Surat Municipal Corporation, Surat	Dr. R. M. Taillor	2,08,291.00	2016-17	CED

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
260	TPI for the work of Constuction of Sewage Pumping Station near Kotar No.7, Palia-Bharimata road in N.Z., Surat.	Surat Municipal Corporation, Surat	Dr. R. A. Christian	1,44,436.00	2016-17	CED
261	Issuance of Adequacy Certificate for new Boiler 18 T	Shreeji Prints Pvt. Ltd., Surat	Dr. K. D. Yadav	28,750.00	2016-17	CED
262	TPI for Providing & Laying RCC NP3 class pipes with Spigot socket/rubber ring joint for Sewage Network for remaining area of GODADARA station including Gamtal in S.E.Z.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	1,58,563.00	2016-17	CED
263	TPI forProviding and Laying Drainage lines of R.C.C. NP3/NP4 class in Navagam area in East Drainage Zone Under old City Sewerage Network Augmentation, Surat.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	2,38,816.00	2016-17	CED
264	TPI for Providing, Laying and Constructing Storm Drainage line at Various Places on Middle Ring road for Road Widening of BRTS Route in Subzone-1 & 2 In DTPS No. 19 & 61 in S. E. Zone (Limbayat).	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	9,000.00	2016-17	CED
265	TPI forProviding & Laying of 1000mm dia K-9 class DICL rising main from Bharimata-Palia Sewage Pumping Station to Singanpore Sewage Treatment Plant in New North Zone (Katargam), Part-A and Part-B.	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	34,933.00	2016-17	CED
266	Providing & Laying R.C.C. Pipes & Const. of R.C.C. Box for storm water drainage system for branches to SW-1 outlet in S.W.Z. new area of SMC, Surat.	Surat Municipal Corporation, Surat	Dr. P. G. Agnihotri	1,81,232.00	2016-17	CED
267	Consultancy Services for launching apron restoration and over all safety assessment of Singanpore Weir Cum Causeway, Surat.	Surat Municipal Corporation, Surat	Dr. P. L. Patel	11,54,250.00	2016-17	CED
268	Providing TPI for Providing and laying R.C.C. pipes for storm water drainage system for branches to SW-3 outlet in S.W. Zone new area of SMC, Surat.	Surat Municipal Corporation, Surat	Dr. J. N. Patel	72,512.00	2016-17	CED
269	TPI for construction of Flexible pavement for puna valthan canal road (R.H.S.)	Surat Urban Development Authority	Dr. S. S. Arkatkar	1,09,930.00	2016-17	CED

No.	Title of Consultancy of project	Client Organization	Name of faculty (Chief Consultant)	Amount received (in Rupees)	Financial Year	Dept.
270	TPI for(1) Construction and Carpeting of 15mtr wide road in TPS No.40 (Navagam) From Kamrej Junction to SUDA Limit (7.5mtr wide). (2) Construction and Carpeting of 24mtr wide road in TPS No.40 (Navagam) From Block No.14 to Connecting NH-8 in SUDA area (7.5mt wide)	Surat Urban Development Authority	Shri. Amit J. Solanki	49,493.00	2016-17	CED
271	Preparation, Gradation and Development of Runway Strip of Aerodrome at Airport Diu.	Public Works Department, Diu	Dr. J. E. M. Macwan	1,51,906.00	2016-17	CED
272	Construction of High Level Bridge at Athal Across Damanganga River in the U. T. of Dadra & Nagar Haveli.	OIDC, Silvassa	Dr. K. A. Chauhan	11,90,323.00	2016-17	CED
273	Construction of new corporate office for electricity department	OIDC, Silvassa	Dr. K. A. Chauhan	36,44,404.00	2016-17	CED
274	Construction of Government College (Academic Building) at Dokmardi	OIDC, Silvassa	Dr. K. A. Chauhan	46,039.00	2016-17	CED
275	Construction of underground sewerage scheme for Silvassa, DNH	OIDC, Silvassa	Dr. K. A. Chauhan	1,19,104.00	2016-17	CED
276	TPI Services for (1) SITC of 07 Mtr & 06 Mtr Circular GI Type pole with W LED street light fitting (2) Centralised Lighting load Energy saver system panel & Accessories for internal load of sachin Industrial Area	Sachin Notified Area	Dr H R Jariwala Dr P Kundu	2,40,125.00	2016-17	CED
				<b>6,65,30,605.00</b>		

**(c) Testing details  
(Structural Engineering & Geotechnical Engineering)**

	Routine testing charges like Soil testing, chemical testing, cement testing, cube testing, ACC block testing, water testing etc.	Organisation in surrounding area engaged in construction activities	76,21,825.00
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## 12.2 List of Faculty Members (2016-17)

### Applied Chemistry Department

Sr. No.	Department	Name	Designation	Qualification
1	ACD	Dr. Smita Jauhari	Associate Professor	Ph.D
2	ACD	Dr. (Mrs.) Premlata Kumari	Assistant Professor	Ph.D
3	ACD	Dr. (Ms.) Kalpna Maheria	Assistant Professor	Ph.D
4	ACD	Dr. Naved Malik	Assistant Professor	Ph.D
5	ACD	Dr. Suban Sahoo	Assistant Professor	Ph.D
6	ACD	Dr. K. Suresh Kumar	Assistant Professor	Ph.D
7	ACD	Dr. B.Z. Dholakia	Assistant Professor	Ph.D
8	ACD	Dr. Ketan Krupekar	Assistant Professor	Ph.D
9	ACD	Dr. Rajender Kumar	Assistant Professor	Ph.D
<b>Applied Mathematics &amp; Humanities Department</b>				
1	AHMD	Dr. A. K. Shukla	Associate Professor	Ph.D
2	AHMD	Dr. N. Adlakha	Associate Professor	Ph.D
3	AHMD	Dr. V. H. Pradhan	Associate Professor	Ph.D
4	AMHD	Dr. H. P. Bulsara	Assistant Professor	Ph.D
5	AMHD	Dr. R. K. Jana	Assistant Professor	Ph.D
6	AMHD	Dr. R. K. Meher	Assistant Professor	Ph.D
7	AMHD	Dr. U. Kaushal	Assistant Professor	Ph.D
8	AMHD	Dr. Twinkal Singh	Assistant Professor	Ph.D
9	AMHD	Dr. Sushil Kumar	Assistant Professor	Ph.D
10	AMHD	Dr. D. Gopal	Assistant Professor	Ph.D
11	AMHD	Dr. Jayesh Dhodiya	Assistant Professor	Ph.D
<b>Applied Mechanics Department</b>				
1	AMD	Dr. Hemant S. Patil	Professor	Ph.D
2	AMD	Dr. C. D. Modhera	Professor	Ph.D
3	AMD	Dr. Atul K. Desai	Professor	Ph.D
4	AMD	Dr. S. A. Vasanwala	Professor	Ph.D
5	AMD	Dr. C. H. Solanki	Professor	Ph.D
6	AMD	Dr. D. B. Raijiwala	Associate Professor	Ph.D
7	AMD	Dr. S. N. Desai	Associate Professor	Ph.D
8	AMD	Shri A. J. Shah	Associate Professor	M.E
9	AMD	Dr. Yogesh D. Patil	Assistant Professor	Ph.D
10	AMD	Dr. G. R. Vesmawala	Assistant Professor	Ph.D

11	AMD	Dr. Shailendra Kumar	Assistant Professor	Ph.D
12	AMD	Shri Satyajit Patel	Assistant Professor	Ph.D
13	AMD	Dr. A. M. Parghi	Assistant Professor	Ph.D
14	AMD	Shri Suryawanshi S. R.	Assistant Professor	M.E
15	AMD	Dr. M.K Desai	Assistant Professor	Ph.D
16	AMD	Shri Jignesh B. Patel	Assistant Professor	M.Tech
17	AMD	Dr. (Ms.) Shruti Vaidya	Assistant Professor	Ph.D
18	AMD	Dr. B. Kondraivendhan	Assistant Professor	Ph.D
<b>Applied Physics Department</b>				
1	APD	Dr. K. N. Pathak	Associate Professor	Ph.D
2	APD	Dr. A.K. Rai	Assistant Professor	Ph.D
3	APD	Dr. (Ms.) D.V. Shah	Assistant Professor	Ph.D
4	APD	Dr. L.K. Saini	Assistant Professor	Ph.D
5	APD	Dr. V.A. Kheraj	Assistant Professor	Ph.D
6	APD	Dr. Yogesh A. Sonvane	Assistant Professor	Ph.D
7	APD	Dr. Debesh Ranjan Roy	Assistant Professor	Ph.D
<b>Civil Engineering Department</b>				
1	CED	Dr. B.K. Samtani	Professor	Ph.D
2	CED	Dr. J.N. Patel	Professor	Ph.D
3	CED	Dr. P. L. Patel	Professor	Ph.D
4	CED	Dr. J.E.M. Macwan	Professor	Ph.D
5	CED	Dr. S.M. Yadav	Professor	Ph.D
6	CED	Shri N N Patel	Associate Professor	M.E
7	CED	Dr. (Mrs.) A K Khambete	Associate Professor	Ph.D
8	CED	Shri B.J.Batliwala	Associate Professor	M.E
9	CED	Dr. P.G. Agnihotri	Associate Professor	Ph.D
10	CED	Dr. R. A. Christian	Associate Professor	Ph.D
11	CED	Dr. M. Mansoor Ahammed	Associate Professor	Ph.D
12	CED	Dr. K A Chauhan	Associate Professor	Ph.D
13	CED	Dr. G.J. Joshi	Associate Professor	Ph.D
14	CED	Dr. V L Manekar	Associate Professor	Ph.D
15	CED	Dr. Rakesh Kumar	Associate Professor	Ph.D
16	CED	Dr. (Mrs.) N.D. Jariwala	Assistant Professor	Ph.D
17	CED	Dr. B.N. Tandel	Assistant Professor	Ph.D
18	CED	Shri A.J. Solanki	Assistant Professor	M.Tech
19	CED	Dr. D.A. Patel	Assistant Professor	Ph.D
20	CED	Shri G.D. Kale	Assistant Professor	M.E

21	CED	Dr. K.D. Yadav	Assistant Professor	Ph.D
22	CED	Dr. Ashish Dhamaniya	Assistant Professor	Ph.D
23	CED	Dr. C.R. Patel	Assistant Professor	Ph.D
24	CED	Dr. P.V. Timbadiya	Assistant Professor	Ph.D
25	CED	Shri R.M. Tailor	Assistant Professor	Ph.D
26	CED	Dr. Arkatkar Srinivas	Assistant Professor	Ph.D
<b>Chemical Engineering Department</b>				
1	ChED	Dr. Z.V.P. Murthy	Professor	Ph.D
2	ChED	Dr. P. A. Parikh	Professor	Ph.D
3	CHED	Dr. Mousumi Chakraborty	Associate Professor	Ph.D
4	CHED	Dr. Jigisha Parikh	Associate Professor	Ph.D
5	CHED	Dr. Mausumi Mukhopadhyay	Associate Professor	Ph.D
6	CHED	Dr. Chetan M. Patel	Assistant Professor	Ph.D
7	CHED	Dr. V.N. Lad	Assistant Professor	Ph.D
8	CHED	Dr. A.K. Mungray	Assistant Professor	Ph.D
9	CHED	Dr. Sanjaykumar R. Patel	Assistant Professor	Ph.D
10	CHED	Dr. A.K. Jana	Assistant Professor	Ph.D
11	CHED	Dr. Meghal A. Desai	Assistant Professor	Ph.D
12	CHED	Dr. (Ms.) J. N. Solanki	Assistant Professor	Ph.D
13	CHED	Dr. (Ms.) Alka Mungray	Assistant Professor	Ph.D
14	CHED	Dr. (Ms.) Smita Gupta	Assistant Professor	Ph.D
15	CHED	Dr. Jadeja Girirajsinh C.	Assistant Professor	Ph.D
<b>Computer Engineering Department</b>				
1	COED	Dr. D. R. Patel	Professor	Ph.D
2	COED	Dr. D. C. Jinwala	Professor	Ph.D
3	COED	Dr. M A Zaveri	Associate Professor	Ph.D
4	COED	Shri R. P. Gohil	Associate Professor	M.Tech
5	COED	Dr. (Mrs.) R G Mehta	Associate Professor	Ph.D
6	COED	Dr. (Mrs.) K. N. Jariwala	Assistant Professor	Ph.D
7	COED	Dr. (Mrs.) D P Rana	Assistant Professor	Ph.D
8	COED	Dr. Udai Pratap Rao	Assistant Professor	Ph.D
9	COED	Shri Satish Raj Goyal	Assistant Professor	M.Tech
10	COED	Shri B. N. Gohil	Assistant Professor	M.Tech
11	COED	Dr. (Mrs.) S. J. Patel	Assistant Professor	Ph.D
<b>Electronics Engineering Department</b>				
1	ECED	Shri A. H. Lalluwadia	Associate Professor	M.Tech
2	ECED	Shri P. K. Shah	Associate Professor	M.E

3	ECED	Dr. (Mrs.) U. D. Dalal	Associate Professor	Ph.D
4	ECED	Shri N. B. Kanirkar	Associate Professor	M.Tech
5	ECED	Dr. J. N. Sarvaiya	Associate Professor	Ph.D
6	ECED	Dr. A. D. Daraji	Assistant Professor	Ph.D
7	ECED	Dr. P. N. Patel	Assistant Professor	Ph.D
8	ECED	Shri Z. M. Patel	Assistant Professor	Ph.D
9	ECED	Shri P. J. Engineer	Assistant Professor	M.E
10	ECED	Dr. (Mrs.) Jigisha Patel	Assistant Professor	Ph.D
11	ECED	Shri Golak Santra	Assistant Professor	M.E
12	ECED	Dr. (Mrs.) Shilpi Gupta	Assistant Professor	Ph.D
13	ECED	Dr. (Ms.) R. N. Dhavse	Assistant Professor	Ph.D
14	ECED	Dr. A. S. Mandloi	Assistant Professor	Ph.D
15	ECED	Dr. K. P. Upla	Assistant Professor	Ph.D
16	ECED	Dr. (Ms.) S. N. Shah	Assistant Professor	Ph.D
17	ECED	Shri M. C. Patel	Assistant Professor	M.E
<b>Electrical Engineering Department</b>				
1	EED	Dr. Varsha A. Shah	Associate Professor	Ph.D
2	EED	Shri M. N. Bhusawalwala	Associate Professor	M.E
3	EED	Shri Janak J. Patel	Associate Professor	M.E
4	EED	Dr. Anandita Chowdhury	Associate Professor	Ph.D
5	EED	Dr.H. R. Jariwala	Associate Professor	Ph.D
6	EED	Dr. S Nath Sharma	Associate Professor	Ph.D
7	EED	Dr. M. A. Mulla	Associate Professor	Ph.D
8	EED	Dr. A. K. Panchal	Associate Professor	Ph.D
9	EED	Dr. (Mrs.) R. Chudamani	Associate Professor	Ph.D
10	EED	Ms. Manisha Chauhan	Associate Professor	M.Tech
11	EED	Dr. P. B. Darji	Associate Professor	Ph.D
12	EED	Dr. Prasanta Kundu	Assistant Professor	Ph.D
13	EED	Dr. Sabha Raj Arya	Assistant Professor	Ph.D
14	EED	Dr. H. G. Patel	Assistant Professor	Ph.D
15	EED	Dr. Rakesh Maurya	Assistant Professor	Ph.D
16	EED	Dr. (Ms.) K. K.. Prajapati	Assistant Professor	Ph.D
17	EED	Ms. C. P. Gor	Assistant Professor	M.E
18	EED	Dr. (Ms.) Vasundhara Mahajan	Assistant Professor	Ph.D
<b>Mechanical Engineering Department</b>				
1	MED	Dr. S. A. Channiwala	Professor	Ph.D
2	MED	Dr. H. B. Naik	Professor	Ph.D



3	MED	Dr. R. V. Rao	Professor	Ph.D
4	MED	Dr. H. K. Raval	Professor	Ph.D
5	MED	Dr. H. J. Nagarsheth	Professor	Ph.D
6	MED	Dr. D. P. Vakharia	Professor	Ph.D
7	MED	Dr. K. P. Desai	Professor	Ph.D
8	MED	Dr. D. V. Bhatt	Professor	Ph.D
9	MED	Dr. T. N. Desai	Associate Professor	Ph.D
10	MED	Dr. B. M. Sutaria	Associate Professor	Ph.D
11	MED	Dr. A. A. Shaikh	Associate Professor	Ph.D
12	MED	Dr. J. Banerjee	Associate Professor	Ph.D
13	MED	Dr. S. Kumar	Associate Professor	Ph.D
14	MED	Dr. A. D. Parekh	Associate Professor	Ph.D
15	MED	Shri M.B. Maisuria	Associate Professor	M.E
16	MED	Shri D. B. Gohil	Associate Professor	M.E
17	MED	Dr. D. I. Lalwani	Associate Professor	Ph.D
18	MED	Shri A. V. Doshi	Assistant Professor	Ph.D
19	MED	Dr. R. D. Shah	Assistant Professor	Ph.D
20	MED	Dr. (Ms.) Jyoti Menghani	Assistant Professor	Ph.D
21	MED	Shri A. B. Makwana	Assistant Professor	M.E
22	MED	Dr. Bade Mukund	Assistant Professor	Ph.D
23	MED	Dr. (Mrs.) Beena Baloni	Assistant Professor	Ph.D
24	MED	Shri Anil Mahto	Assistant Professor	M.E
25	MED	Dr. Dinesh Singh	Assistant Professor	Ph.D
26	MED	Dr. H. B. Mehta	Assistant Professor	Ph.D
27	MED	Dr. M. K. Rathod	Assistant Professor	Ph.D
28	MED	Dr. A. Lal	Assistant Professor	Ph.D
29	MED	Dr. P. V. Bhale	Assistant Professor	Ph.D
30	MED	Shri Shailesh Pandya	Assistant Professor	M.Tech
31	MED	Dr. Ravi Kant	Assistant Professor	Ph.D
32	MED	Dr. Harshit Dave	Assistant Professor	Ph.D
33	MED	Shri Sandeep Soni	Assistant Professor	M.Tech
34	MED	Shri Nikunj Patel	Assistant Professor	M.Tech
35	MED	Dr. V. D. Kalyankar	Assistant Professor	Ph.D
36	MED	Shri Vimal Patel	Assistant Professor	M.Tech
37	MED	Shri Vikram Rathod	Assistant Professor	M.E
<b>Physical Education Department</b>				
01	PED	Dr. N.K. Datta	Associate Professor	Ph.D

## 12.3 Administrative and other Staff

**LIST OF NON TEACHING STAFF AS ON 01/06/2016 to 31/07/2017**

Sr. No.	Name	Designation	Deptt./ Section
01	Shri H. A. Parmar	Registrar – Suspended	
02	Prof. D. P. Vakharia	I/c. Registrar	Registrar
03	Dr. S.G. Shah	Medical Officer	Dispensary
04	Shri A.C. Patel	Sr. Programmer	CCC
05	Shri Ajay Sharma	Asst. Librarian	Library
06	Shri Chirag Vaghela	SAS Officer	Phy. Edu.
07	Shri Ravinder kumar	Asst. Registrar	Deputed to MHRD
08	Shri Vigneshwara Raj A.G.	Asst. Registrar	Estate & Store

**Class – III (NON TECHNICAL)**

Sr. No.	Name	Designation	Deptt./ Section
01	Shri K.S. Bhavsar	Sr. Asst.	Admin
02	Shri V.D. Patel	Sr. Asst.	EED
03	Shri V.N. Mehta	Sr. Asst.	Account
04	Shri K.P. Solanki	Sr. Asst.	Academic
05	Mrs. M.A. Patel	Sr. Asst.	Academic
06	Mrs. R. M. Garasiya	Assistant SG-II	Academic
07	Shri C.M. Suthar	Sr. Asst.	Academic
18	Mrs. D.M. Shah	Sr. Asst.	Account
09	Mrs. M.P. Mody	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.	Admin
13	Shri R.J. Patel	Sr. Asst.	Admin
14	Shri P.D. Bhatt	Sr. Asst.	AMD
15	Mrs. P.H. Kantharia	Sr. Asst.	ASHD
16	Ms. P.K. Bhagwagar	Sr. Asst.	CHED
17	Shri K.J. Parmar	Sr. Asst.	COED
18	Shri M.L. Patel	Sr. Asst.	E & S
19	Shri V.R. Patel	Sr. Asst.	E & S
20	Mrs. S.J. Pathak	Sr. Asst.	Library
21	Shri A.V. Panchal	Sr. Asst.	Library
22	Shri V.N. Surati	Sr. Asst.	TEQIP
23	Shri N.C. Solanki	Sr. Asst.	Workshop
24	Shri Rajesh Solanki	Jr. Asst.	Account
28	Shri Dilip Rathod	Jr. Asst.	Library
29	Shri Brijesh Patel	Jr. Asst.	Academic

**LIST OF TECHNICAL STAFF**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Deptt./ Section</b>
01	Ms. M.A. Patel	Technical Asst.	Academic
02	Shri B.D. Gamit	Technician (SG-II)	AMD
03	Shri B.S. More	Technician (SG-II)	AMD
04	Shri P.K. Shah	Sr. Tech. Asst. (SG-II)	CCC
05	Shri S.C. Shoemaker	Asstt. Engr. (SG-II)	E & S
06	Shri J.J. Prajapati	Technician (SG-II)	E & S
07	Shri M.S. Rathwa	Technician (SG-II)	E & S
08	Shri V.B. Rathod	Sr. Technician	E & S
09	Shri G.S. Shah	Technical Asst.	EED
10	Shri V.G. Patel	Sr. Technician	EED
11	Shri P.P. Vankar	Sr. Tech. Asst. (SG-II)	MED
12	Shri G.B. Master	Technician (SG-II)	MED
13	Shri P.R. Sivadasan	Technician (SG-II)	MED
14	Shri A.B. Bilimoria	Technical Asst.	MED
15	Shri N.D. Patel	Technician (SG-II)	Workshop
16	Shri B.D. Mistry	Technician (SG-II)	Workshop
17	Shri A.M. Mistry	Technician (SG-II)	Workshop
18	Shri M.T. Patel	Technician (SG-II)	Workshop
19	Shri G.J. Panchal	Technician (SG-II)	Workshop
20	Shri R.M. Vasava	Technician (SG-II)	Workshop
21	Shri B.P. Parmar	Technician (SG-II)	Workshop
22	Shri R.N. Chauhan	Technician (SG-II)	Workshop
23	Shri D.M. Rathod	Technician (SG-II)	Workshop
24	Shri Gaurav Mahida	Lab. Asst.	EED
25	Shri Praful Patel	Lab.Asst.	ECED
26	Shri H. B. Varlekar	Technician (SG-II)	E & S
27	Shri J. D. Chaudhary	Sr. Tech. Asst.(SG-II)	E & S
28	Shri M. B. Patel	Technician (SG-II)	E & S

**CLASS – IV**

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Deptt./ Section</b>
1	Shri H.D. Umarvanshi	Hamal	Account
2	Shri K.D. Gamit	Hamal	Admn
3	Shri N.J. Patel	Hamal	Admn
4	Shri S.Z. Patel	Hamal	AMD
5	Shri A.R. Kothari	Hamal	AMD
6	Shri M.A. Patel	Hamal	APD
7	Shri A.H. Chavda	Hamal	ACD
8	Shri Jayram Behra	Hamal	CHED
9	Shri B.J. Vasava	Hamal	DISPENSARY
10	Shri J.G. Umrigar	Pump Attdt.	E & S

<b>Sr. No.</b>	<b>Name</b>	<b>Designation</b>	<b>Deptt./ Section</b>
11	Shri M.G. Azam	Watchman	E & S
12	Shri P.K. Solanki	Sweeper	E & S
13	Shri V.L. Baria	Mali	E & S
14	Shri G.S. Patel	Valveman	E & S
15	Shri S.H. Bhagat	Hamal	E & S
16	Shri M.M. Kokani	Hamal	ECED
17	Shri A.R. Prajapati	Hamal	ECED
18	Shri G.G. Rathod	Hamal	EED
19	Shri J.B. Chaudhary	Hamal	EED
20	Shri K.P. Surati	Hamal	LIB
21	Shri P.B. Patel	Hamal	LIBRARY
22	Mrs. C.R. Parmar	Hamal	Library
23	Shri S.R. Jadav	Hamal	MED
24	Shri Ankur Arthania	Hamal	MED
25	Shri B.K. Patel	Hamal	WORKSHOP
26	Shri K.D. Surati	Hamal	Workshop
27	Shri H.N. Patel	Hamal	Workshop
28	Shri D. B. Naika	Hamal	E & S
29	Shri V. M. Kanurkar	M/c. Attd. (GR-II)	CED





**SARDAR VALLABHBHAI PATEL**

**SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,  
SURAT - 395007, GUJARAT, INDIA**

**NANDAN 98241 95550**