

# ANNUAL REPORT

# वार्षिक रिपोर्ट ANNUAL REPORT 2017-18



सरदार वल्लभभाई राष्ट्रीय प्रौद्योगिकी संस्थान, सूरत  
SARDAR VALLABHBHAI NATIONAL INSTITUTE OF TECHNOLOGY,  
SURAT





**SARDAR VALLABHBHAI h° u-O**



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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 Medclaim 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 Water Resource Engineering Urban Planning Transportation Engineering & Planning	PG PG PG PG	1973 1987 1973 2007
2	Mechanical Engineering	UG	1961	05	Turbo Machines Mechanical Engineering Manufacturing Engg. / IPED (2013) Thermal System Design CAD / CAM	PG PG PG PG PG	1983 1974 2013 2007 2007
3	Electrical Engineering	UG	1961	02	Power Electronics & Electrical Drives Power System	PG PG	2006 2012
4	Electronics Engineering	UG	1982	02	Communication Systems VLSI & Embedded System	PG PG	2005 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. Structural Engineering	PG PG	1973 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 girl's 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<br>Water Resource Engineering<br>Urban Planning<br>Transportation Engineering     |
| 2 | Applied Mechanics       | : | Structural Engineering<br>Soil Mechanics & Foundation Engineering   |
| 3 | Mechanical Engineering  | : | Mechanical Engineering<br>Manufacturing Engineering<br>Turbo Machines<br>Thermal System Design<br>CAD / CAM |
| 4 | Electronics Engineering | : | Communication Systems<br>VLSI & Embedded Systems  |
| 5 | Electrical Engineering  | : | Power Electronics & Electrical Drives<br>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.

## 2.10 Placement :

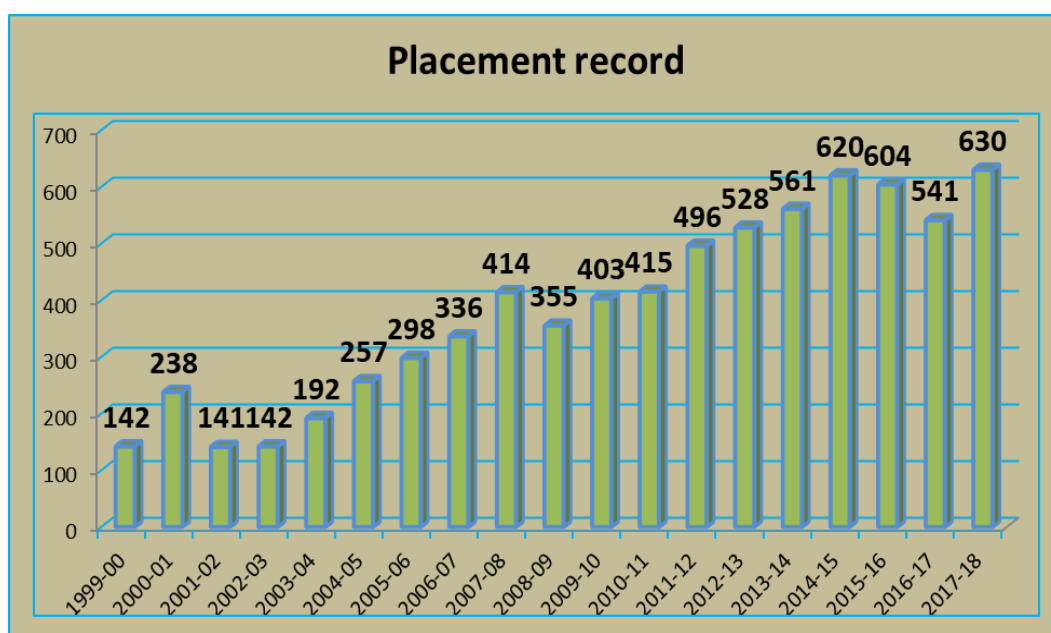
SVNIT offers six Under Graduate (B.Tech.) seventeen Post Graduate (M.Tech.) and three M.Sc. Integrated courses (Chemistry, Physics & Mathematics). The Training & Placement Section (T&P) helps the student's placement in various public and private sector organizations by arranging the campus interviews.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

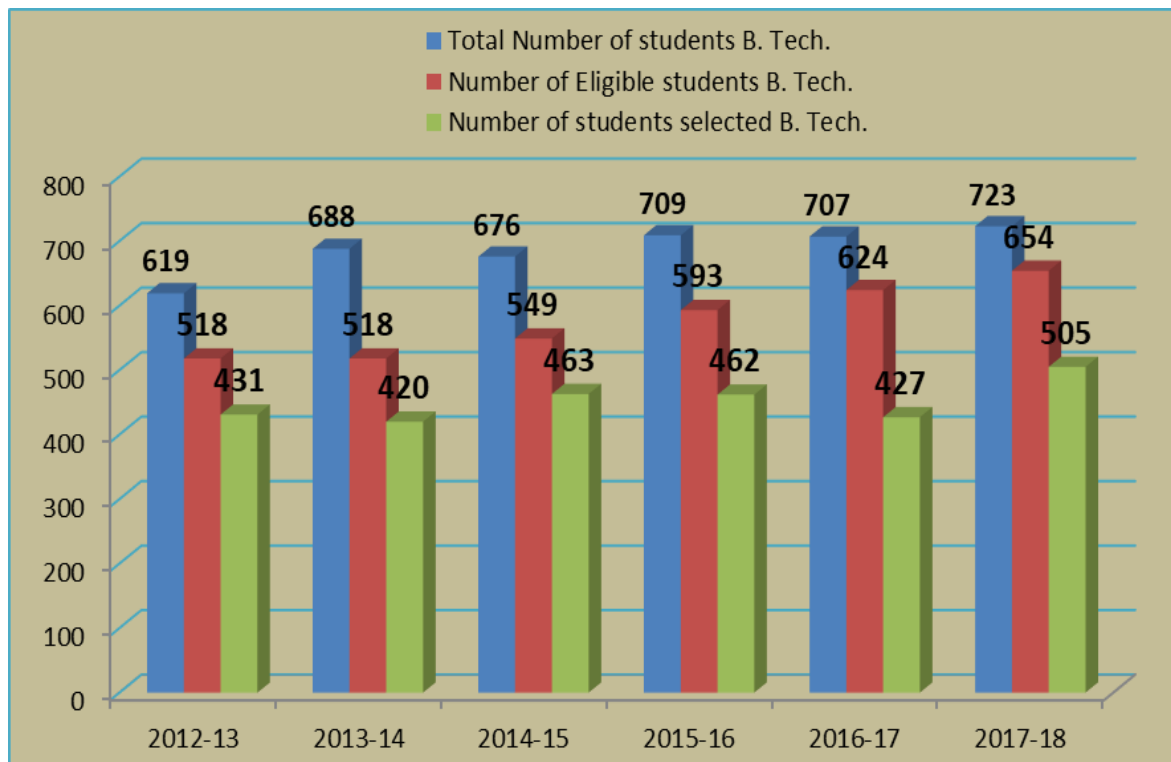
Details of Placement of UG (B.Tech.) students 2017-18						
Particulars	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Total No. of students	619	688	676	709	707	723
Number of eligible students	518	518	532	593	624	654
Number of students selected	431	420	463	457	427	473

Details of Placement of PG (M.Tech.) students 2017-18						
Particulars	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Total No. of students	306	304	352	353	262	282
Number of eligible students	161	262	308	329	233	263
Number of students selected	97	141	157	125	94	158

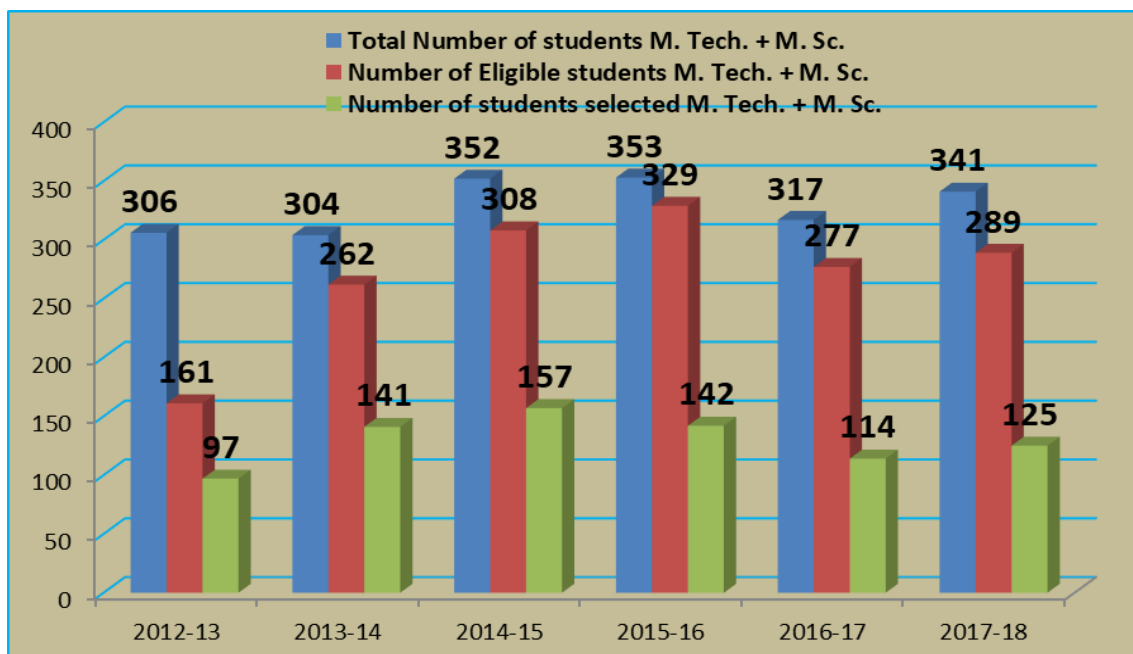
Details of Placement of M.Sc. students 2017-18						
Particulars	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18
Total No. of students	69	25	47	39	55	59
Number of eligible students	36	11	32	32	44	56
Number of students selected	06	11	13	06	12	10

### Students Placed in the year 2017-18

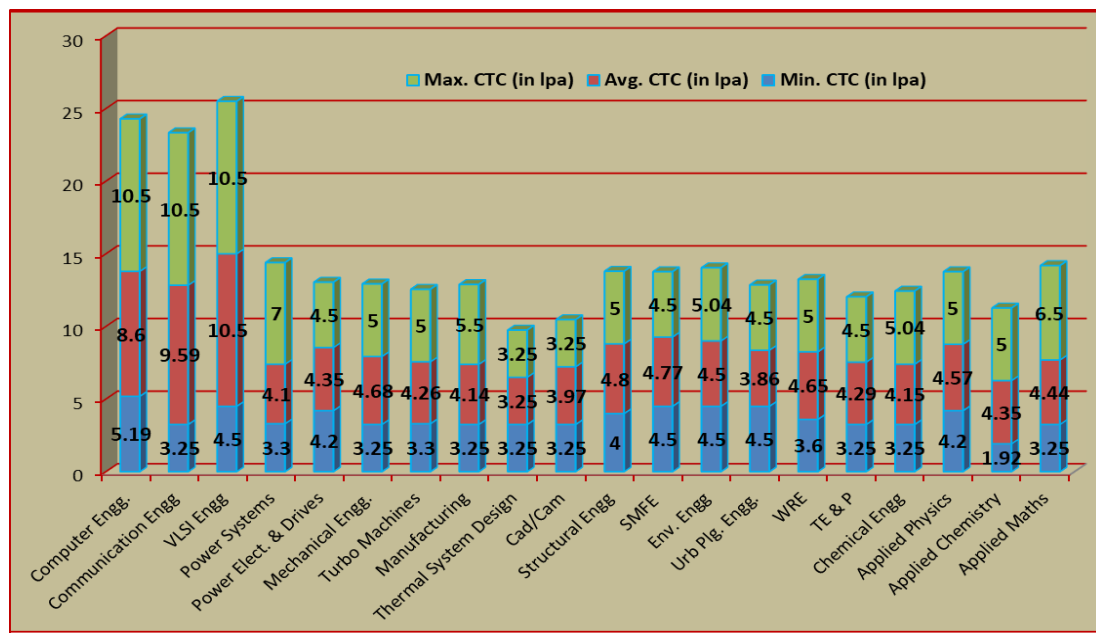
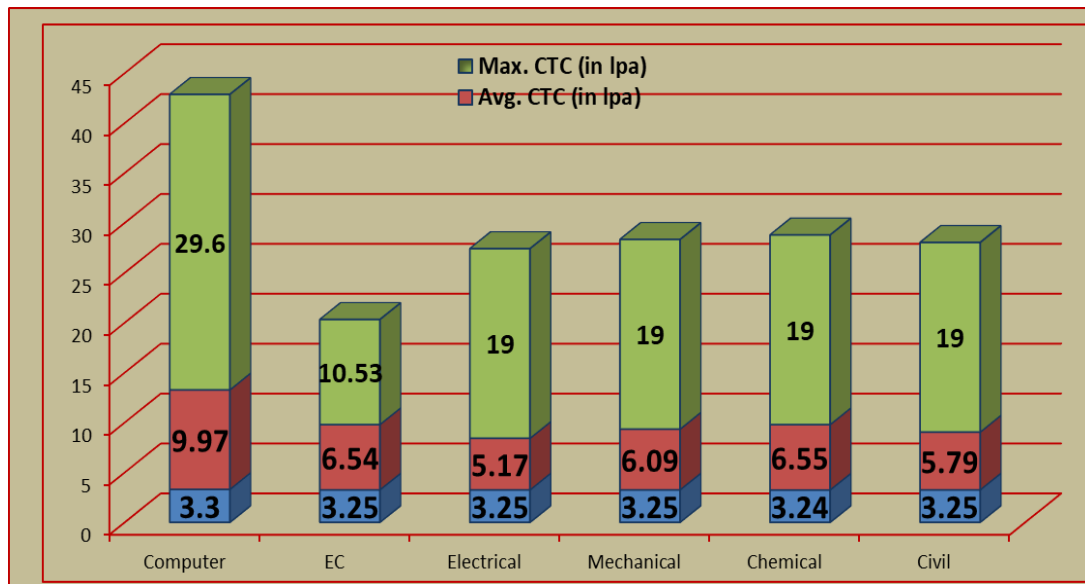




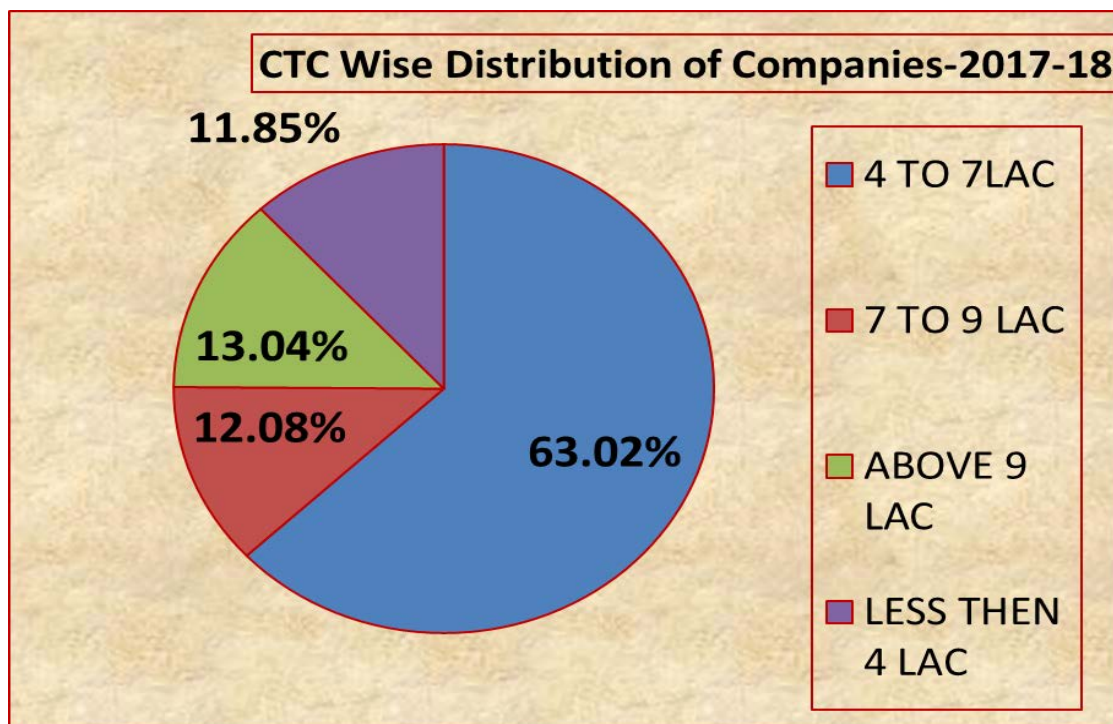
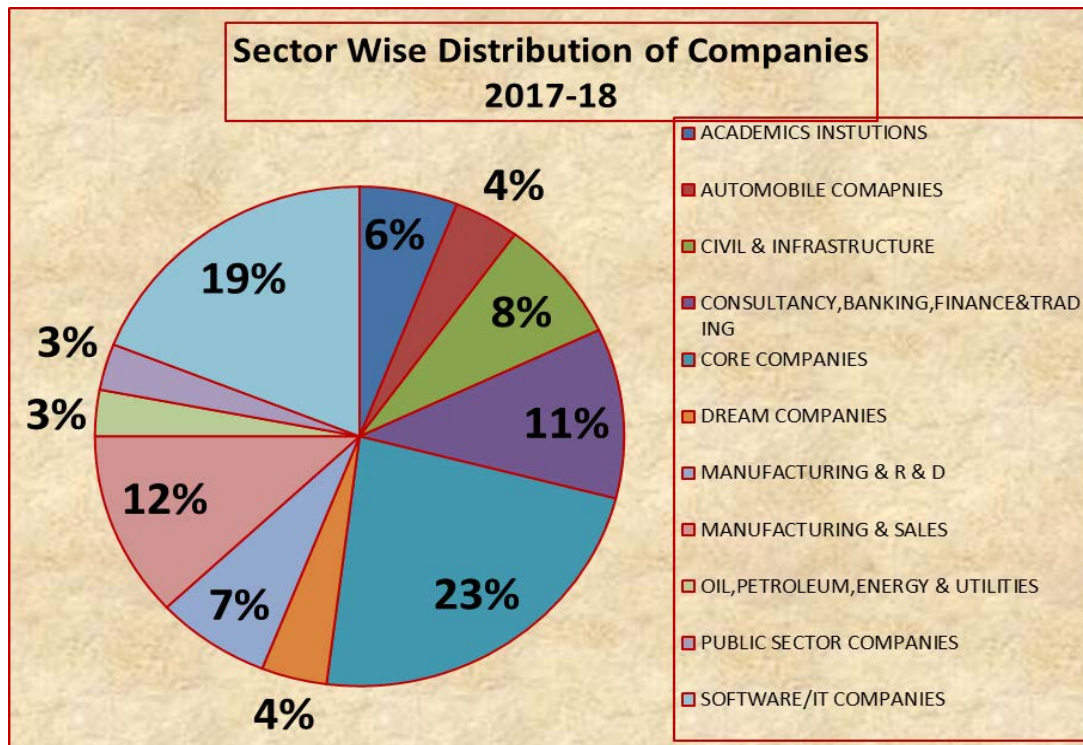
Details of Placement of UG Students



Details of Placement of PG Students











## 2.11 Games and Sports :

Our latest Annual Report of the Physical Education Department provides an overview of our performance in FY 2017-18. Under the guidance of Prof. I/C. & Head, Dr. B.M. Sutaria, Department of Physical Education upgraded several aspects of student's journey during sports tournament. Asso. Prof. Dr. N.K. Datta and S.A.A. Officer Mr. Chirag Vaghela have putted best effort for upbringing talents of the young students of our prestigious institute. Mr. Chirag Vaghela have been served as a team manager at four different venues (i.e. NIT Agartala, NIT Jaipur, NIT Warangal and NIT Surathkal) of All India Inter NIT Sports tournament during year 2017-18. He also appointed as observer for an inter NIT sports tournament. Whereas Dr. N.K. Datta served as a team manager at NIT Kurukshetra and NIT Calicut during inter NIT sports tournament. During year 2017-18. Numbers of medals increased in Athletic events, Basketball, Kho-kho and Swimming. Performance of Badminton, Kabaddi, over Sports and Table Tennis remain constant. But unfortunately, performance of Tennis and Handball was not found up to the standard of Inter NIT sports tournaments. Hence, Football team was not sent for participation in Inter NIT Tournament at NIT Agartala. Till end of the year all team recovered from all set back and performed outstanding in almost all the sports at IGNIS 2018, hosted by SVNIT in April 2018.

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 2017-18

Sr. No.	Name of Tournament	Venue	Performance
01	Athletics	NIT Jaipur	Medals in 100, 4X100, 5000, 10000 mt.
02	Badminton	NIT Warangal	Runner-up
03	Basketball	NIT Warangal	Runner-up
04	Chess (Girls)	NIT Kurukshetra	Not participated
05	Football	NIT Agartala	Not participated
06	Kabaddi	NIT Surathkal	Runner-up
07	Kho-kho	NIT Agartala	2 <sup>nd</sup> Runner-up
08	Swimming	NIT Surathkal	50BS, 100BS
09	Table Tennis (Girls)	NIT Kurukshetra	Runner-up
10	W.L., P.L. & B.B.	NIT Jaipur	3 PL, 2 BB

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

**IGNIS-17 (2017-18)**

<b>Sr. No.</b>	<b>Name of Tournament</b>	<b>Venue</b>	<b>Performance</b>
01	Badminton	SVNIT Surat	Champion
02	Badminton	SVNIT Surat	Champion
03	Basketball	SVNIT Surat	Champion
04	Basketball (Girls)	SVNIT Surat	Not conducted
05	Chess	SVNIT Surat	Runner-up
06	Cricket	SVNIT Surat	Champion
07	Handball	SVNIT Surat	Runner-up
08	Football	SVNIT Surat	Champion
09	Kabaddi	SVNIT Surat	
10	Kho-kho	SVNIT Surat	Runner-up
11	Kho-kho (Girls)	SVNIT Surat	Champion
12	Table Tennis	SVNIT Surat	Champion
13	Volleyball (Boys)	SVNIT Surat	Runner-up
14	Volleyball (Girls)	SVNIT Surat	Runner-up

### **3.0 THE STAFF**

#### **3.1 Academic Staff (Teaching)**

As on date 30/06/2018, Dr. S.R. Gandhi is the Director of the Institute.

The Institute has **296** sanctioned posts of faculty members, out of which **168** posts of faculty members have been filled. The Department wise list of faculty members with their designation and qualification is given at Point No.11.2.

#### **3.2 Non-academic staff**

As on date 30/06/2018, Prof. D.P. Vakharia is the Incharge Registrar of the Institute. As present **07** Senior Administrative staff, **29** Class-III Non-Technical staff and **28** Technical staff and **25** Class-IV staff members are on the Roll. The list of staff members with their designation and department is given at Point No.11.3.

#### **3.3 Training Staff**

The list of faculty / staff members deputed for the above scheme during the period under report is given at Point No.11.4.

## 4.0 TEACHING PROGRAMMES:

### 4.1 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 - 2017-18)

Discipline	Intake	Open		SC		ST		OBC		DASA / GOI		TOTAL	
		B	G	B	G	B	G	B	G	B	G	B	G
Civil Engg.	93	41	06	12	02	05	01	24	01	06	02	88	12
Mechanical Engg.	185	92	02	29	00	12	02	49	01	27	02	209	07
Electrical Engg.	93	39	06	11	03	06	02	26	02	03	01	85	14
Electronics & Comm.	138	52	18	19	01	09	01	33	04	05	06	118	30
Computer Engg.	92	37	07	12	01	07	00	25	00	13	07	94	15
Chemical Engg.	92	40	10	12	02	05	02	24	02	04	05	85	21
<b>Total</b>	<b>693</b>	<b>301</b>	<b>49</b>	<b>95</b>	<b>9</b>	<b>44</b>	<b>8</b>	<b>181</b>	<b>10</b>	<b>58</b>	<b>23</b>	<b>679</b>	<b>99</b>

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

UG Programmes (Academic Year 2017-18)

Branch	Year	Semester	Boys	Girls	Total
Civil Engineering	I	First	88	12	100
	II	Third	70	10	80
	III	Fifth	88	09	97
	IV	Seventh	84	11	95
	<b>TOTAL</b>			<b>330</b>	<b>42</b>
Mechanical Engineering	I	First	209	07	216
	II	Third	220	06	226
	III	Fifth	222	07	229
	IV	Seventh	224	03	227
	<b>TOTAL</b>			<b>875</b>	<b>23</b>
Electrical Engineering	I	First	85	14	99
	II	Third	69	11	80
	III	Fifth	76	20	96
	IV	Seventh	77	18	95
	<b>TOTAL</b>			<b>307</b>	<b>63</b>
Electronics & Communication Engineering	I	First	118	30	148
	II	Third	88	48	136
	III	Fifth	100	38	138
	IV	Seventh	94	50	144
	<b>TOTAL</b>			<b>400</b>	<b>166</b>
Computer Engineering	I	First	94	15	109
	II	Third	90	25	115
	III	Fifth	67	38	105
	IV	Seventh	82	21	103
	<b>TOTAL</b>			<b>333</b>	<b>99</b>
Chemical Engineering	I	First	85	21	106
	II	Third	74	16	90
	III	Fifth	67	17	84
	IV	Seventh	68	19	87
	<b>TOTAL</b>			<b>294</b>	<b>73</b>
<b>GRAND TOTAL</b>			<b>2539</b>	<b>466</b>	<b>3005</b>

## Five Year Integrated M. Sc. Programmes (Academic Year 2017-18)

Branch	Year	Semester	Boys	Girls	Total
Physics	I	First	40	10	50
	II	Third	18	05	23
	III	Fifth	36	08	44
	IV	Seventh	33	13	46
	V	Ninth	14	04	18
	<b>Total</b>			<b>141</b>	<b>40</b>
Chemistry	I	First	23	13	36
	II	Third	08	04	12
	III	Fifth	18	13	31
	IV	Seventh	25	18	43
	V	Ninth	10	11	21
	<b>Total</b>			<b>84</b>	<b>59</b>
Mathematics	I	First	38	18	56
	II	Third	14	06	20
	III	Fifth	30	09	39
	IV	Seventh	31	16	47
	V	Ninth	07	14	21
	<b>Total</b>			<b>120</b>	<b>63</b>
<b>Grand Total</b>			<b>345</b>	<b>162</b>	<b>507</b>

## P.G. Programmes (M.Tech.) : (Academic Year 2017-18)

Branch	Year	Boys	Girls	Total
<b>Soil Mech. &amp; Foundation Engg.</b>				
First Sem	I	10	06	16
Third Sem	II	14	06	20
<b>Water Resource Engg.</b>				
First Sem	I	16	03	19
Third Sem	II	16	03	19
<b>Environmental Engg.</b>				
First Sem	I	17	01	18
Third Sem	II	12	04	16
<b>Urban Planning</b>				
First Sem	I	15	05	20
Third Sem	II	16	03	19
<b>Structural Engg.</b>				
First Sem	I	14	04	18
Third Sem	II	17	01	18
<b>Transportation Engg. &amp; Planning</b>				
First Sem	I	14	06	20
Third Sem	II	18	02	20

Branch	Year	Boys	Girls	Total
<b>Mechanical Engg. (General)</b>				
First Sem	I	20	00	20
Third Sem	II	18	01	19
<b>Turbo Machines</b>				
First Sem	I	18	01	19
Third Sem	II	17	02	19
<b>Manufacturing Engg.</b>				
First Sem	I	20	00	20
Third Sem	II	22	00	22
<b>Thermal System Design</b>				
First Sem	I	19	00	19
Third Sem	II	21	00	21
<b>CAD-CAM</b>				
First Sem	I	17	00	17
Third Sem	II	18	00	18
<b>Power Electronics &amp; Electrical Drives</b>				
First Sem	I	16	03	19
Third Sem	II	16	02	18
<b>Power Systems</b>				
First Sem	I	13	04	17
Third Sem	II	16	05	21
<b>Communication Systems</b>				
First Sem	I	11	06	17
Third Sem	II	17	01	18
<b>VLSI &amp; Embedded Systems</b>				
First Sem	I	13	06	19
Third Sem	II	14	04	18
<b>Computer Engg.</b>				
First Sem	I	14	03	17
Third Sem	II	09	09	18
<b>Chemical Engg.</b>				
First Sem	I	12	03	15
Third Sem	II	06	02	08
<b>Total of First Sem</b>		<b>259</b>	<b>51</b>	<b>310</b>
<b>Total of Third Sem</b>		<b>267</b>	<b>45</b>	<b>312</b>
<b>Total of First &amp; Third Sem</b>		<b>526</b>	<b>96</b>	<b>622</b>



## M.Tech. (Research) (Academic Year 2017-18)

Departments	Admission Year	Boys	Girls	Total
Civil Engineering	2014-15	01	00	01
	2017-18	01	00	01
	<b>Total</b>	<b>02</b>	<b>00</b>	<b>02</b>
Applied Mechanics	2012-13	02	00	02
	2013-14	01	00	01
	<b>Total</b>	<b>03</b>	<b>00</b>	<b>03</b>
Electronics & Communication	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 2017-18)  
(Engineering) : (A)

Departments	Admission Year	Boys	Girls	Total
Mechanical Engineering	2009-10	03	00	03
	2010-11	06	01	07
	2011-12	10	00	10
	2012-13	09	01	10
	2013-14	13	00	13
	2014-15	15	03	18
	2015-16	15	01	16
	2016-17	17	01	18
	2017-18	20	00	20
<b>Total</b>	<b>108</b>	<b>07</b>	<b>115</b>	
Civil Engineering	2008-09	01	00	01
	2009-10	00	01	01
	2010-11	00	02	02
	2011-12	04	01	05
	2012-13	12	05	17
	2013-14	05	08	13
	2014-15	11	07	18
	2015-16	14	05	19
	2016-17	20	03	23
	2017-18	19	08	27
<b>Total</b>	<b>86</b>	<b>40</b>	<b>126</b>	
Applied Mechanics	2010-11	01	01	02
	2011-12	01	01	02
	2012-13	08	01	09
	2013-14	09	01	10
	2014-15	12	07	19
	2015-16	06	02	08
	2016-17	14	03	17
	2017-18	25	05	30
	<b>Total</b>	<b>76</b>	<b>21</b>	<b>97</b>

Departments	Admission Year	Boys	Girls	Total
Chemical Engg.	2010-11	00	01	01
	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
	2017-18	06	04	10
	<b>Total</b>	<b>30</b>	<b>11</b>	<b>41</b>
Electronics & Communication Engg.	2010-11	00	01	01
	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
	2017-18	10	05	15
	<b>Total</b>	<b>32</b>	<b>24</b>	<b>56</b>
Electrical Engineering	2010-11	01	00	01
	2011-12	01	01	02
	2012-13	03	00	03
	2013-14	05	00	05
	2014-15	12	01	13
	2015-16	02	04	06
	2016-17	08	04	12
	2017-18	08	05	13
	<b>Total</b>	<b>40</b>	<b>15</b>	<b>55</b>
Computer Engineering	2009-10	00	01	01
	2012-13	02	00	02
	2014-15	07	01	08
	2015-16	06	05	11
	2016-17	02	00	02
	2017-18	03	07	10
	<b>Total</b>	<b>20</b>	<b>14</b>	<b>34</b>
<b>Total of Engg. (A)</b>		<b>392</b>	<b>132</b>	<b>524</b>

**Ph.D. Programmes (Academic Year 2017-18)**

**(Science) : (B)**

Departments	Admission Year	Boys	Girls	Total
Applied Chemistry	2010-11	01	00	01
	2012-13	01	00	01
	2013-14	03	01	04
	2014-15	03	06	09
	2015-16	02	02	04
	2017-18	07	02	09

Departments	Admission Year	Boys	Girls	Total
	<b>Total</b>	<b>17</b>	<b>11</b>	<b>28</b>
<b>Applied Mathematics</b>	2010-11	01	00	01
	2012-13	01	01	02
	2013-14	09	05	14
	2014-15	05	03	08
	2015-16	01	03	04
	2016-17	04	00	04
	2017-18	03	02	05
	<b>Total</b>	<b>24</b>	<b>14</b>	<b>38</b>
<b>Applied Physics</b>	2010-11	01	00	01
	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
	2017-18	07	02	09
	<b>Total</b>	<b>24</b>	<b>08</b>	<b>32</b>
<b>Management</b>	2012-13	02	00	02
	2013-14	00	02	02
	2015-16	00	01	01
	2016-17	01	01	02
	<b>Total</b>	<b>03</b>	<b>04</b>	<b>07</b>
<b>English</b>	2014-15	00	01	01
	2016-17	00	01	01
	2017-18	00	01	01
	<b>Total</b>	<b>00</b>	<b>03</b>	<b>03</b>
<b>Total of Science (B)</b>		<b>68</b>	<b>40</b>	<b>108</b>
<b>Grand Total (A)+(B)</b>		<b>460</b>	<b>172</b>	<b>632</b>

#### 4.4 Total Students Strength : 4772

#### 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-2017-18**

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. Nishit 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	57
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	28
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	17
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 & stationery 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	65
6	The Central Sector Scholarship Scheme of Top Class Education for ST Students	Full fee and other non-refundable charges. Lodging & boarding charges @ Rs.2200 p.m. per students or the actual whichever is less.	Not specified	32

Sr. No.	Name of the Scholarship	Value of Scholarship	No. of scholarships available at the college	No. of scholarships awarded
		Books & stationary @ 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)	05
8	Merit cum Means based scholarship to students belong to minority community	Full course fees & maintenance allowance for 10 months Rs.1000/- p.m. for hosteller and Rs.500/- p.m. for day scholar	Not specified	25
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	35
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	50
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	The Swami Dayanand Educational	Financial Support	200	10
18	National Thermal Power Corporation (NTPC)	Scholarship for SC/ST students	Not Specified	01
19	Post Metric Scholarship for students with disabilities	Rate of Maintenance Allowance  1600/- P.M. Hosteller 750/- P.M. Day Scholars  Disability allowance, Reimbursement of compulsory non-refundable fees, Book allowance Rs.1500/- p.a.	17000	01
20	P.M. Scholarship Scheme for Central Armed Police Forces & Assam Rifles Ministry of Home Affairs.	Rs.2250/- p.m. for girls Rs.2000/- p.m. for boys  (to be paid annually after selection @ Rs.27000/- to each girl & Rs.24000/- to each boy)	2000	05
21	PMSS for Ministry of Railway	Rs.2250/- p.m. for female Rs.2000/- p.m. for male	150	01
22	Mukhya Mantri Medhavi Vidyarthi Yojna (M.P.)	Full tuition fees	Not specified	08
23	OP JEMS, O.P. Jindal Engg. & Mangement Scholarship	Financial Asst.	Not Specified	05
24	SVNIT Allumni Association, Surat	Financial Asst.	Not Specified	11
25	Swami Dayanand Edn. Foundation Scholarship	Finaicla Asst.	Not Specified	07
26	Samsung Star Scholar	Subsidy on fees, Hostel Fees and Mess Bill upto 2 lakhs	Not specified	04

Sr. No.	Name of the Scholarship	Value of Scholarship	No. of scholarships available at the college	No. of scholarships awarded
<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	599
<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	136
2	SENIOR RESEARCH FELLOW (SRF)	28000/- P.M.	Not specified	78
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
5	NBHM Post doctoral fellowship national Board of Higher Mathematics (NBHM) of Department of Atomic Energy (DAE) R&D-II Section	Rs.38000/- P.M.	Not specified	02

#### 4.7 Examination Details:

##### Under Graduate Courses – Bachelor of Technology (Examination April/May 2017)

Discipline	Total No appeared	Total No passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Civil	106	101	81	12	08	Rahil Samir Dayani	9.65
Mechanical	256	212	153	44	15	Doodhhwala Saurabh Parimal	9.77
Electrical	101	100	58	37	05	Rahul Singh	9.69
Electronics & Comm.	144	133	74	49	10	Akansha Malara	9.85
Computer	104	104	75	24	05	Patel Vasudev Sunilkumar	9.69
Chemical	97	96	49	32	15	Parth Madhani	9.76
<b>Total</b>	<b>808</b>	<b>746</b>	<b>490</b>	<b>198</b>	<b>58</b>		

##### Post Graduate Courses – Five Years Integrated M.Sc. Courses (Examination April/May 2017)

Discipline	Total No appeared	Total No passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Chemistry	18	16	13	03	00	Jha Babli Krishandev	9.20
Physics	23	23	14	09	00	Sakhiya Parthkumar V.	9.61
Mathematics	14	13	05	08	00	Priyanka	9.01
<b>Total</b>	<b>55</b>	<b>52</b>	<b>32</b>	<b>20</b>	<b>00</b>		

**Post Graduate Courses – Master of Technology (M.Tech.) Courses  
(Examination April/May 2017-18)**

Departments	No of students passed
Chemical Engineering	10
Civil Engineering	94
Computer Engineering	18
Electrical Engineering	34
Electronic Engineering	34
Mechanical Engineering	88
<b>Total</b>	<b>278</b>

**M.Tech. (Research) (Examination April/May 2017-18)**

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

**Doctorate Courses – Ph.D. Courses (2017-18)**

Department	No. of students
Chemical Engineering	01
Civil Engineering	16
Computer Engineering	03
Electrical Engineering	02
Electronics Engineering	02
Mechanical Engineering	14
Chemistry	05
Mathematics	06
Physics	01
English	01
Management	01
<b>Total</b>	<b>52</b>

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

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



## 5.0 RESEARCH AND DEVELOPMENT ACTIVITIES:

### 5.1 Ph.D. Programmes – Existing:

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

### 5.2 Details of Ph.D.:

APPLIED MECHANICS DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Chandra Bogireddy	Rapid Assessment of Compressibility Behaviour of Clayey Soil from Experimental and Finite Element (FE) Simulations	Prof. C. H. Solanki
02	Himmat K. Sarvaiya	An Experimental and FEM Study of Geosynthetically Encased Floating Stone Column	Prof. C. H. Solanki
03	Shivamant Angdi	Seismic Hazard Analysis to Determine Ground Motion For Gujarat Region And Site Characterization at Somnath Temple	Prof. C. H. Solanki
04	Patil Jaymin Dattu	An Experimental Study On Pile Raft Foundation System in Sand	Prof. C. H. Solanki
05	Bhavin Patel	Fracture and Size effect studies on plain and fiber reinforced self- compacting concrete using digital image correlation technique.	Prof. (Dr.) A K Desai
06	Sungyani Tripathi	seismic analysis of turbo machinery frame foundation using barrettes	Prof. (Dr.) A K Desai
07	Pramod Kolase	Static and dynamic analysis of fiber reinforced Roller Compacted Concrete rural road.	Prof. (Dr.) A K Desai
08	Minakshi V Vaghani	Upgradation of gravity load designed RC beam column connections using SS plates subjected to cyclic loading.	Prof. S A Vasanwala
09	Patil Jaymin Dattu	An experimental study on piled raft foundation system in sand.	Prof. S A Vasanwala
10	Dubal Rajkuwar Ajit	Application of performance based seismic design to reinforced concrete moment resisting frames with vertical irregularity.	Prof. S A Vasanwala
11	TayadeSuhaseknath	Seismic behaviour of self-drilled micro pile foundation.	Prof. S A Vasanwala
12	Patel Mitali Rameshbhai	Performance evaluation of externally strengthened RC beams in shear and flexure using various mechanisms.	Prof. S A Vasanwala
13	Chandra Bogireddy	Rapid assessment of compressibility behaviour of clayey soil from experimental and finite element (fe) simulations	Prof. S A Vasanwala
14	Contractor Aditya Nitinbhai	Innovative method to study the flexural strengthening performance of rc beams by nsmcfrp technique	Prof. S A Vasanwala
15	Kadam P K	Effect of Coal Bottom Ash Sand Replacement on Properties of Concrete	Prof. (Dr.) Y D Patil
16	Kulkarni S M	Advanced Reinforced Pattern for Reinforced Concrete Exterior Beam-Column Joint Subjected to Seismic Loading	Prof. (Dr.) Y D Patil
17	M V Patil	Experimental Study on Utilization of Industrial Waste	Prof. (Dr.) Y D Patil
18	Arekar V R	Development and Study of Space Structure Connectors for Double Layer Grid	Prof. (Dr.) Y D Patil
19	Siddh Sharda P	Experimental Studies On Behaviour of Profiled Deck Composite Slab Subjected to Static Loading	Prof. (Dr.) Y D Patil
20	SachinMulay	Use of Sugarcane bagasse ash waste for sustainable development of cementitious system	Prof. (Dr.) Y D Patil

APPLIED CHEMISTRY DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
01	Mr. Ashish Raychura	Polymers	Dr. Smita Jauhari & Dr. Bharat Dholakiya
02	Mr. Naik Hem Nilesh Kumar	Synthesis and characterization of gold nanoparticles and its pharmacological applications	Dr. Smita Jauhari
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 compounds through multi-component reaction. (Completed)	Dr. Kalpana C. Maheria & Dr. Suban K. Sahoo
06	Ms. Jenifer Gabla	Heterogeneous catalysis for pharmaceutic synthesis	Dr. Kalpana C. Maheria
07	Mr. Dharmesh Lathiya	Heterogeneous catalysis for biodiesel synthesis	Dr. Kalpana C. Maheria & Dr. D. V. Bhatt, MED
08	Ms. Dhara Surti	Material Chemistry	Dr. Kalpana C. Maheria
09	Mr. Lankapati Henilkumar	Synthesis, characteristics of inorganic / hybrid materials and their environmental applications	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. (Completed)	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. (Completed)	Dr. Naved I. Malek
12	Mr. Mohammad M U Kuddhushi	Task specific ionic liquids	Dr. Naved I. Malek
13	Ms. Sargam Rajput	Surfactants	Dr. Naved I. Malek & Dr. Suresh Kumar Kailasa
14	Ms. Shilpa Bothra	Vitamin B6 cofactors conjugated metal nanoparticles for optical sensing of metal ions and anions. (Completed)	Dr. Suban K. Sahoo
15	Ms. Yachna Upadhyay	Biological Sensors	Dr. Suban K. Sahoo & Dr. Rajender Kumar
16	Mr. Gamit K Guljibhai	Development of organic nanoparticles using vitamin B-6 co-factors derivative and their biomedical applications	Dr. Suban K. Sahoo
17	Ms. Karuna A. Rawat	Organic framework on metal (Au and Ag) nanoparticles for colorimetric sensing of biomolecules and drugs. (Completed)	Dr. K. Suresh Kumar
18	Mr. Jigneshkumar V Rohit	Molecular assembly of dithiocarbamate derivatives on metal (Au and Ag) nanoparticles for colorimetric detection of pesticides. (Completed)	Dr. K. Suresh Kumar
19	Ms. Jigna Bhamore	Development of fluorescent nanoparticles for sensing of chemical species and their drug delivery	Dr. Suresh Kumar Kailasa
20	Ms. Mittal Desai	Metal ion-doping in nanoclusters and their applications	Dr. Suresh Kumar Kailasa
21	Mr. Kateshiya Mehul R.	Hydrogel nanocomposites	Dr. Suresh Kumar Kailasa Dr. Naved I. Malek
22	Mr. Mehul Savaliya	Eco-friendly solid reinforced heterogeneous acid & alkali catalysts for the preparation of biodiesel using different feedstocks. (Completed)	Dr. Bharat Dholakiya
23	Mr. Jayanti Makasana	Phytochemical Investigations of Clitoria Ternatea (L.), Aegle marmelos (L.) Corr. and Centella Asiatica (L.) Urb.: Important Medicinal Plants Used in Indian Traditional Medicine System (Completed)	Dr. Bharat Dholakiya

APPLIED CHEMISTRY DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
24	Mr. Soni Abhishek Mukesh	Development of rapid multiplex immunoassay based on fluorescent quantum dots with	Dr. Bharat Dholakiya
25	Mr. Bharatkumar B. Kanoje	Micellization behaviour of Conventional and Dimeric Surfactant in aqueous solution system: Characterization and their Applications.	Dr. Ketan Kuperkar & Dr. Jigisha Parikh (ChED)
26	Mr. Amit G. Shirke	Vegetable oil based polymer synthesis with detailed characterization and their Applications.	Dr. Ketan Kuperkar Dr. Bharat Z. Dholakia
27	Mr. Anilkumar Jangir	Solution behavior and Aggregation of surfactants within Deep Eutectic Solvents.	Dr. Ketan Kuperkar
28	Ms. Dhruvi Patel	Deep Eutectic Solvents: Characterization and their Applications.	Dr. Ketan Kuperkar
29	Mr. Vinod Kumar	Aggregation behaviour of amphiphiles in aqueous additive solution.	Dr. Ketan Kuperkar
30	Ms. Nimisha Singh	Biocompatible Nanoparticles for cancer Drug Delivery and Therapeutics by Facilitating Nitric Oxide Release	Dr. Rajender Kumar & Dr. Suban K Sahoo
31	Mrs. Khushbu Patel	Design of hybrid polymeric surfaces with anti-bio fouling properties and their application in biomedicine and environment	Dr. Rajender Kumar
32	Ms. Naik Jyotsanamayee N	Biomaterials for healthcare and environment	Dr. Rajender Kumar

APPLIED MATHEMATICS & HUMANITIES DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
01	Hardik S.Patel	Modeling and Simulation of Imbibition Phenomena in Two Phase Fluid Flow through Porous Media arising in Oil Recovery Process	Dr. Ramakanta Meher
02	Trushit V.Patel	An Approximate analytical study of fractional order fin type problems by using Adomian Decomposition sumudu Transform method.	Dr. Ramakanta Meher
03	Jignesh P. Chauhan	Some Aspects of Mittag-Leffler Functions and Fractional Differential Equation Models	Dr. A. K. Shukla Dr. R. K. Jana
04	Rakesh L. Das	Production and Procurement based inventory models under imprecise environment. (expected to be submitted before 30.06.2018)	Dr. R. K. Jana
05	Dr. Subhanshu Goyal	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
06	Ms Ratnamala Badge	Finite Element Approach To Study Dynamics Of Nutrients In Rhizosphere Of A Root Of Crops (Thesis Submitted in Dec 2017, MANIT, Bhopal)	Dr. K. R. Pardasani Dr. Neeru Adlakha
07	Dr. Anita Tailor	A Study on Multi-Objective Assignment COTS Selection Problems with genetic algorithm based Hybrid solution approach	Dr. Jayesh M. Dhodiya
08	Mr. Alok Kumar	A Comparative Study Of Select Public Private Partnership(PPP) Model Projects With Traditional Projects In Highway Infrastructure Development In India	Dr. H. P. Bulsara
09	Mr. Kshitij Trivedi	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
10	Shrikant Pathak	Approximate solution of some non linear problems arising in porous media by optimal homotopy analysis method. (He has completed his Ph.D. on 27/10/2017 and Notification is issued)	Dr. Twinkle R Singh
11	Kunjan Shah	Approximate solution 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

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
12	Rachana Desai	Extension of Mittag-Leffler Functions and their Properties	Dr. A. K. Shukla
13	Lokesh Budhia	A Study on Fixed point theory for Contractive type mappings	Dr. D. Gopal
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

APPLIED PHYSICS DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Dr. Zalak U Shah	Spectroscopy of heavy flavoured baryons	Dr. A. K. Rai
02	Dr. V. H. Kher	Spectroscopy study and Regge trajectories of Qq and QQ mesons	Dr. A. K. Rai
03	Dr. Esha V. Shah	Density Functional Investigation on Structure and Physicochemical Properties of Some Clusters, Compounds and Materials	Dr. Debesh R. Roy
04	Mr. Vipin Kumar	Density Functional Investigation on Cluster, 2D and Bulk Materials for Developing Novel Semiconductors, Thermoelectrics and Sensors	Dr. Debesh R. Roy
05	Kunvar S. Yadav	A Study On Possible Precursory Signatures Of Earthquake In Land, Ocean And Ionosphere	Dr. K. N. Pathak
06	Hozefa Tinwala	Synthesis of Lanthanum Cerium Oxide (La <sub>2</sub> Ce <sub>20</sub> 7) Nanoparticles and Its Characterization"	Dr. D. V. Shah

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	Nishtha Rathore	Pervaporation of different systems.	Dr. Z.V.P. Murthy
03	Saurabh C. Singh	Structure property relationship in natural fibres and composites.	Dr. Z.V.P. Murthy
04	Kamble Ashwin R.	Removal of mixture of gas stream by Gas permeation	Dr. Z.V.P. Murthy Dr. Chetan M Patel
05	Vaishali Umrigarh	Synthesis of Organic Compounds by Microwave irradiation	Dr M Chakraborty Dr. P. A. Parikh
06	Shilpa Nandwani	Application of Ionic Liquids in Chemical Engineering	Dr. S. Gupta Dr M Chakraborty
07	Himanshu Kohli	Separation of organic compounds by Supported Liquid Membrane	Dr M Chakraborty Dr. S. Gupta
08	Nilesh S. Dumore	Nanocomposites as Biosensor	Dr. M Mukhopadhyay
09	Chirag Chamanlal Mevada	Study of RuO <sub>2</sub> Nanocomposites as Supercapacitors	Dr. Mausumi Mukhopadhyay
10	Gaurav Mishra	Performance evaluation of mixed matrix HNTs-NPs-PVC UF Membrane	Dr. Mausumi Mukhopadhyay
11	Dharmesh H Sur	Study of inverse three-phase fluidized bed bioreactor in batch mode.	Dr. Mausumi Mukhopadhyay
12	Raj Kumar	Powder flow analysis in Hopper using discrete Element Method	Dr. Chetan M. Patel Dr. A KJana
13	Sanjay Krishna	Molecular Simulation of Polymer nanocomposites	Dr. Chetan M. Patel
14	Suhas Doke	Colloidal Dispersion for selected applications	Dr. V. N. Lad Dr. Chetan M. Patel
15	Mr. Paritosh Agnihotri	Studies on Microfluidic Flow for Fuel Cells and Other Selected Applications	Dr. V. N. Lad
16	Mr. Balaji Dhopte	Studies on the Effects of Interfacial Interactions of Liquids Containing Selected Macromolecules	Dr. V. N. Lad

CHEMICAL ENGINEERING DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
17	Satish Rikame	Metals and energy recovery from wastewater using microbial fuel cell	Dr. Alka A. Mungray Dr. Arvind Mungray
18	Priyakant Pushker	Performance enhancement of microbial fuel cell	Dr. Arvind Mungray
19	Alok Kumar Tiwari	Electrode modification for microbial fuel cell	Dr. A.K.Mungray Dr. Alka A. Mungray
20	Suransh Jain	Integration of Septic Tank and Microbial Fuel Cell: a Novel Hybrid System for Sustainable Treatment of Wastewater	Dr. A.K. Mungray
21	Chetan Sharma	A study on ultrasound assisted crystallization of poorly water soluble active pharmaceutical ingredients (API)	Dr. S. R. Patel Dr. Meghal A. Desai
22	Nitu Kumari	Preparation and optimization of perovskite thin film solar cells	Dr. S. R. Patel Dr. Jignasa V. Gohil
23	Arunkumar M. Patel	Membrane assisted crystallization of active pharmaceutical ingredients (API)	Dr. S. R. Patel
24	Preena Shrimal	Microreactor assisted crystallization of poorly water soluble active pharmaceutical ingredients	Dr. S. R. Patel Dr. G. C. Jadeja
25	Daxa Sharma	Membrane assisted crystallization of lactose from an aqueous solution	Dr. S R. Patel Dr. Z. V. P. Murthy
26	Girish D. Vegad	Experimental and numerical investigation on heavy/extra heavy oil-water multiphase flow through pipelines	Dr. A. K. Jana
27	Piyush Modi	Application of Neoteric Solvents towards Solubilization and Extraction of Targeted Components	Dr. Meghal A. Desai Dr. Jigisha K. Parikh
28	Krishna Solanki	Synthesis and Characterization of Novel Catalytic System towards Value Added Chemicals	Dr. Jigisha K. Parikh Dr. Meghal A. Desai
29	Preeti Jain	Purification of patchouli alcohol from patchouli oil.	Dr. Meghal A. Desai Dr. Sanjay R. Patel
30	Priti Ganorkar	Extraction of valuable component form water hyacinth	Dr. Meghal A. Desai Dr. G.C. Jadeja
31	Sidhdhant Patel	Nanomaterials preparation and its applications for solar cell applications	Dr. Jignasa V. Gohel
32	SaiKumar Nair	Stability and efficiency enhancement of Perovskite solar cells	Dr. Jignasa V. Gohel
33	Mr. Pankaj pardeshi	Novel modifications in osmotically microbial fuel cell (OMFC).	Dr. Alka Mungray
34	Chandrabhushan T. Pal	Studies on extraction of phenolic antioxidants from fruit and vegetable wastes using emerging green techniques	Dr. G. C. Jadeja
35	Prajapati Rahul V.	Studies on photocatalytic degradation of organic pollutants	Dr. J. K. Parikh Dr. G. C. Jadeja

CIVIL ENGINEERING DEPARATMENT (Details of Ph.D. Completed during 1/7/2017 to 30/6/2018)			
No.	Name of Student	Title of Thesis	Guide
01	Ms. Nipa A. Desai	Travel mode shift behavior study with respect to mass transit in a metropolitan context	Gaurang Joshi
02	Ms. Arati S. Petkar	Evaluation of residential location preferences to evolve an integrated GIS model for development plan	J.E.M. Macwan
03	Ms. Mehali J. Mehta	Adsorptive study on dye removal by synthesized MgO nanocrystallites	R. A. Christian N. J. Mistry Ms. Mausami Mukhopadyay
04	Debashish Basak	Development of methodology for assessment of urban quality of life in context of metropolitan city in India	Gaurang Joshi
05	Patel Jignesh Kishanbhai	Innovative Urban Land Assembly Techniques for Infrastructure Development	J.E.M. Macwan
06	Ms. Devanshi Nagarsheth	Floor area-carbon emission relationship and comparative studies of climate friendly designed multi-residential buildings	J.E.M. Macwan
07	Viraj Loliyana	Development of a physics based distributed integrated hydrological model for prediction of water availability in a semi-arid region in India.	P. L. Patel

<b>CIVIL ENGINEERING DEPARTMENT</b> (Details of Ph.D. Completed during 1/7/2017 to 30/6/2018)			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
08	Ms. Desai Manisha D	Integrated storm water management for Bhimrad area of Surat city (India)	J. N. Patel
09	Majmundar Bhargav P	Development of reservoir evaporation model for semi-arid regions, Gujarat, India	J. N. Patel
10	Sunny Deol Guzzarlapudi	Analysis and modeling of sub-grade resilient modulus using in-situ and laboratory data	R. K. Singh

<b>COMPUTER ENGINEERING DEPARTMENT</b> (Details of Ph.D. Completed during 1/7/2017 to 30/6/2018)			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Ms. Surati Shivangi	Investigating Approaches for Optimizing Multidimensional Query Search using Multi way Trees in peer to peer Networks.	Prof. D. C. Jinwal
02	Mr. Subhanshu Goyal	Spectral Clustering Algorithms with efficient Similarity Matrix Construction Variants for Noisy Image Segmentation.	Prof. M. A. Zaveri

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Chetankumarkhushalbhair Lad	Commutation Torque Ripple Minimization in BLDC Motor Drive	Dr. R. Chudamani
02	Deepak M. Sonje	Condition Monitoring of Induction Motor	Dr. P. Kundu, Dr A. Chowdhury
03	Ashok Babulal Kherodia	Si Thin Film Solar Cell	Dr. A.K. Panchal
04	Hitesh Kishanlal Mehta	A Novel MPPT Algorithm for Solar Photovoltaic	Dr. A.K. Panchal
05	Dhruvesh M. Mehta	Partial Discharge in Ester based Transformer	Dr. P. Kundu, Dr. A. Chowdhury
06	Mukul Dixit	Optimal Placement of DG and Capacitors in Distribution Network	Dr. P. Kundu, Dr. H. R. Jariwala
07	Pandya Sundaram B.	Optimal Reactive Power Dispatch	Dr. H. R. Jariwala
08	Chavda Jiten K.	Bidirectional DC-DC Three Level Converter for Ultra- Capacitor Applications	Dr. V. A. Shah
09	Patel Nikunj Ramanbhai	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
10	Gor Chandaniben Pankaj Kumar	Multiphase Induction Motor Drive for Electric Vehicles	Dr. V. A. Shah, Dr. M. M. Lokhande
11	Patel Sanjaykumar Kanubhai	Power Quality Improvement in Power Distribution System	Dr. S. R. Arya & Dr. R. Maurya
12	Shaikh Mohammed Suhel Abdul Aziz	Multiphase Induction Motor Drive	Dr. R. Maurya
13	Pritam Keshavdas Gujarathi	Investigation and Research on Conversion of Conventional Vehicles in Plug-in Hybrid Electric Vehicles	Dr. V. A. Shah, Dr. M. M. Lokhande
14	Kashyaplilabhaimokariya	Design and Control of Battery Charger for Electric Vehicles	Dr. V. A. Shah
15	Lakum Ashokkumar Chamanlal	Placement and Sizing of Active Power Filters	Dr. V. Mahajan
16	Jawaharlal Bhukya	FACTS Controller for Transmission Network with Renewable Energy Sources	Dr. V. Mahajan
17	B. R. Ananthapadmanabha	Improved Power Converters for Battery Charging Applications	Dr. R. Maurya, Dr. S. R. Arya
18	Patel Dharmesh kr. Durlabhbai	Differential Protection of Transformer	Dr. K. D. Mistry, Dr. Nilesh G. Gothani
19	Mandar Kadu Chaudhari	Design and Control of Switched Reluctance Motor	Dr. A. Chowdhury
20	Agarwal Sunil Kumar Prahlad	VSC Based HVDC System	Dr. P. Kundu
21	Vayalveetil Shimin Sudhakaran	Design of Hybrid Energy Source for Electric Vehicle	Dr. V. A. Shah, Dr. M. M. Lokhande

ELECTRICAL ENGINEERING DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
22	Patil Yogesh Punjaram	Observer-Based Discrete-Time Sliding-Mode Control For Higher-Order Dynamic Delay-Time System	Dr. H. G. Patel
23	Kamani Piyushkumar Lavjibhai	Multilevel Inverter	Dr. M. A. Mulla
24	Patel Payal Pravinbhai	Matrix Converter	Dr. M. A. Mulla
25	Bhavina J Patel	Anesthesia automation	Dr. H. G. Patel
26	Rashmi K. Patel	Stability Analysis of Multi Converter System	Dr. R. Chudamani
27	Dube Deepali Yogendra	Control Design of 3 DOF Helicopter System	Dr. S. N. Sharma, Dr. H. G. Patel
28	Prajapati Vijaykumar Kanaiyalal	Congestion Management with FACTS	Dr. V. Mahajan
29	Prasad Rajeshkumar Mukhtar	DFIG Based Wind Energy Conversion System	Dr. M. A. Mulla
30	Nagarsheth Shaival Hemant	The RNGA and sensitivity integrals in control	Dr. S. N. Sharma
31	Ritu Jain	Benefits of Penetration DG in Energy Market	Dr. V. Mahajan
32	Parmar Ashokkumar Bhikhubhai	Supply and demand side resources management as well as market parameters optimization in power markets	Dr. P. B. Darji
33	Toppo Elijah Tintius	Maximum Torque Per Ampere Control of IPMSM Drive	Dr. R. Chudamani
34	Ashutosh Keshav Giri	Control Algorithms for Distributed Power Generation with Power Conditioning	Dr. S. R. Arya, Dr. R. Maurya
35	Talada Appala Naidu	Control Algorithms for DVR	Dr. S. R. Arya Dr. R. Maurya
36	Aliva Routray	Incorporation of Renewable Energy in Distribution System	Dr. K. D. Mistry, Dr. S. R. Arya
37	Rohit Chirag Vasambhai	Mitigation of SSR in DFIG Based Wind Farm using STATCOM	Dr. P. B. Darji, Dr. H. R. Jariwala
38	Kumari Shipra	Passivity Based Controller for Switched Electrical Network	Dr. S. N. Sharma Dr. R. Maurya
39	Krishnav Bhatia	Touch Voltage Analysis and Grounding System	Dr. P. B. Darji, Dr. H. R. Jariwala
40	Vaghela Meghnaben Amrutlal	Design and Control of High Gain DC-DC Converter	Dr. M. A. Mulla
41	Bhatt Dhruvi Sanjay	Control and filtering via Carleman embedding	Dr. S.N. Sharma
42	Patel Dhruva Mukeshbhai	Sen Transformer and FACT Devices	Dr. A. Chowdhury
43	Vamja Rajan Vinodray	PV Grid Integrated Pumping System	Dr. M. A. Mulla
44	Sayed Javed Alam	Control Algorithms for UPQC	Dr. S. R. Arya
45	Ramanjaneyulualla	Z Source Inverter for PV Grid Integration	Dr. A. Chowdhury
46	Gupta Jyoti Mahaveer Prasad	Integrated Battery Charger for Electric Vehicle	Dr. Rakesh Maurya , Dr. S. R. Arya
47	Nerkar Harshada Madhukar	Ancillary Service for Frequency Control	Dr. P.Kundu , Dr.(Mrs.) A.Chowdhury
48	Jayadeep Srikokolapu	DSTATCOM and Its Application in PMSG Based Distributed Generation System	Dr. Saba Raj Arya , Dr.Rakesh Maurya.
49	Shayer Aliasgar Parvez	Power Quality Improvement in Traction System	Dr.M.A.Mulla
50	Medewar Prashant Ganesh	Non-linear System Control	Dr.Hiren G. Patel , Dr.S.N.Sharma
51	Mohite Utkarsha Laxman	Bio-Engineering Study on Cancer Chemo Therapy	Dr.Hiren G. Patel
52	Manish Yadav	Bio-Engineering Study on Type-2 Diabetics	Dr.Hiren G. Patel
53	Athul Vijay P K	Regenerative Braking of Induction Motor using Ultra Capacitor	Dr.(Mrs.) V.A.Shah

<b>ELECTRONICS ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Twinkle Doshi	Novel DS-UWB Rake Receivers over different UWB Channels	Dr. (Mrs).U. D. Dalal
02	KhyatiZalawadia	Design and Testing of Prototype Calibration Unit of Receiving End 2-Beam Digital Beamformer for future ISRO Satellite/Onboard System	Dr. (Mrs).U. D. Dalal
03	Nehal Shah	Hardware Efficient Block Matching Algorithm and Architecture Implementation for Fast Motion Estimation	Dr. (Mrs).U. D. Dalal

<b>MECHANICAL ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Kiran Chunilal More	Design optimization of selected thermal devices using TLBO and Jaya algorithms	R. V. Rao
02	Thangam S. Rajesh	Optimization of a thermal spray process used in petrochemical industries	R. V. Rao
03	Dhiraj Rai Kalal	Development and applications of advanced optimization algorithms for parameters optimization problems of selected manufacturing processes	R. V. Rao
04	Ankit Saroj	Development of new and hybrid optimization techniques and their applications to thermal engineering	R. V. Rao
05	Shraddha Deshpande	Machining of Titanium based biomedical alloys	R. V. Rao
06	Hameer Singh Keesari	Optimization of renewable energy systems	R. V. Rao
07	Vratraj K. Joshi	Some investigation on machining of closed contour profile on CNC milling machine	Dr. H. K. Raval
08	Ravi Bhatt	Experimental and Finite element studied of single roller backward flow forming process for AA6061	Dr. H. K. Raval
09	Pramod D. Chougule	Energy and cost conscious flexible process routing	Dr. H. K. Raval (Co-Guide)
10	Bhavesh J. Mewada	Investigations on Bandsaw machine operations	Dr. H. K. Raval
11	Prashant Powar	Effect of MQL during hard turning of AISI 4340-A technology for manufacturing sustainability	Dr. H. K. Raval
12	Rakesh S. Barot	Process monitoring using acoustic emission in electrical discharge machining	Dr. H. K. Raval
13	Shalin Marathe	Investigation on sheet metal forming of FSTWB	Dr. H. K. Raval
14	Amol B. Kakade	Investigation of Tribological Parameters on Design and Development of Three Rotor Motorized System Similar to Sugar Mill under Various Operating Variables – A Case Study	Dr. D. V. Bhatt Dr. J. V. Menghani
15	Chakradhar Bandapalli	Experimental Investigation of Machining Parameters Influence in High Speed Micro End Milling of Titanium Alloys	Dr. B. M. Sutaria Dr. D. V. Bhatt
16	Hozefa Tinwala	Synthesis of lanthanum Cerium Oxide Nanoparticles and its Characterization	Dr. D.V Shah & J. V Menghani
17	Gunjan Yadav	Study of Lean Six Sigma Implementation in Indian Manufacturing organizations	Dr. T. N. Desai
18	Suketu Y.Jani	Development of Lean Model for SMEs in Gujarat State	(Co-Guide - Dr. T. N. Desai)
19	Ashish B.Patel	Development of Supply Chain Management Framework for Performance Improvement in Textile Industries of South Gujarat Region	Dr. T. N. Desai
20	Malek Javed	Development of Sustainable Manufacturing Practices Framework for MSMEs of Gujarat State	Dr. T. N. Desai
21	Pranay Parmar	Sustainable Lean Six Sigma Implementation in Indian Industries	Dr. T. N. Desai



<b>MECHANICAL ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
22	Shashwat Saincher	"Development of a Two-Phase Navier Stokes based Numerical Wave tank for Ocean and Coastal Engineering Applications."	Dr. Jyotirmay Banerjee
23	Digant S. Mehta	"Experimental and Numerical Investigation of shell and tube type latent heat storage unit"	Dr. Jyotirmay Banerjee & Dr. Manish K. Rathod
24	Jignesh P. Thaker	"Experimental Investigations on Intermittent Flow Regime Of Air-Water Two-Phase Flow Through Pipe"	Dr. Jyotirmay Banerjee
25	Parag Rajpara	"Parametric Investigation of an Upward Swirl CAN type gas turbine combustor."	Dr. Jyotirmay Banerjee & Dr. R.D.Shah
26	Dnyandip Bhamare	"Application of PCM in Passive cooling of building"	Dr. Jyotirmay Banerjee & Dr. Manish Rathod
27	Sunny Saini	"Analytical and Experimental analysis of two phase flow"	Dr. Jyotirmay Banerjee
28	Mr. Vikram Rathod	Investigations on Solar Assisted Catalytic Reforming of Biogas to Hydrogen Rich Syngas Production and its Application in Variable Compression Ratio Engine	Dr. Purnanand V Bhale
29	Mr. Vaishak S	Design, Development and Performance Analysis of a Solar Photovoltaic/ Thermal System	Dr. Purnanand V Bhale
30	Mr. Vishal A. Bhosale	Select Study of Knowledge Flow in Supply Chain for Indian Manufacturing Organization	Dr. Ravi Kant
31	Shilpesh R. Rajpurohit	Investigation on FDM Process.	Dr. H.K. Dave
32	Himanshubhai V. Patel	Fabrication of Hybrid composite using Vacuum Assisted Resin Transfer Molding Process.	Dr. H.K Dave

### 5.3 Proposed Plan for Research :

#### APPLIED MECHANICS DEPARTMENT

The focus research areas in the department are as follows:

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

#### **Details of Ph.D. (Ph.D. scholars and their area of Research (ongoing))**

<b>No.</b>	<b>Name of Student</b>	<b>Title of Thesis</b>	<b>Guide</b>
01	Dipali Paresh Doshi	Seismic Retrofitting of Bridge Foundation using Micro piles	Prof. (Dr.) C. H. Solanki Prof. (Dr.) A K Desai
02	Jignesh B. Patel	Study on Pervious Concrete Column for Ground Improvement	Prof. (Dr.) C. H. Solanki
03	Deepshikha Shukla	Seismicity and Ground Response Analysis for a Particular Site at Indore	Prof. (Dr.) C. H. Solanki
04	Vipul Kumar Vasiya	An Experimental Study on Soft Clay using Corex Slag Reinforced with Terrazyme	Prof. (Dr.) C. H. Solanki
05	Nirav Umrvavia	Lateral Behaviour of Geo grid Reinforced CFG Pile Supported Embankment over Expansive Soil under Static & Dynamic Loading	Prof. (Dr.) C. H. Solanki
06	Avinash Navale	Analysis of Laterally Loaded Pile Group	Prof. (Dr.) C. H. Solanki
07	AnandHulagabali	Static and Seismic Response Analysis of Reinforced Earth Retaining Wall	Prof. (Dr.) C. H. Solanki
08	Vemula Anand Reddy	Solidification/Stabilization of Industrial Contaminated Soil using Limestone Calcined Clay Cement.	Prof. (Dr.) C. H. Solanki
09	Mohit K. Mistry	Study of Fibre-Clay Interface Behaviour and Reinforcing Mechanism	Prof. (Dr.) C. H. Solanki Dr S J Shukla
10	Manali S. Patel	Seismic Hazard Analysis and Microzonation of Bharuch Region	Prof. (Dr.) C. H. Solanki

No.	Name of Student	Title of Thesis	Guide
11	Bhavita S. Dave	Effect of Degree of Saturation on Strength Properties of Soil and it's Numerical Analysis	Prof. (Dr.) C. H. Solanki Prof. (Dr.) A K Desai
12	Nazimali Chinwala	Ground Improvement using Stone Column	Prof. (Dr.) C. H. Solanki
13	Gabra Jaswan tsingh	seismic effect on hybrid cable-suspension bridge with effect of SSI	Prof. (Dr.) A K Desai
14	Alpesh Pandya	Innovation technique of soil exploration	Prof. (Dr.) A K Desai
15	PoojaRao	vibrating effects of high speed train	Prof. (Dr.) A K Desai
16	Vrunda Agarkar	Tornado effect of tall buildings using CFD	Prof. (Dr.) A K Desai
17	Hemal Shah	Hybrid wind mill turbine foundation considering FRP	Prof. (Dr.) A K Desai
18	Palak Shukla	Blast effect on building frame.	Prof. (Dr.) A K Desai
19	Deepam Patel	Computational Blast mitigation strategies analysis exploiting fluid-structure interaction	Prof. (Dr.) A K Desai
20	Variyavwala Jigar	Dynamic behavior of Cable Stayed Bridge Subjected to High Speed Rail."	Prof. (Dr.) A K Desai
21	Bhosale Suraj	simulating effect of fiber masonry wall subjected to cyclic loading	Prof. (Dr.) A K Desai
22	Nirav K. Patel	Development of Fragility Curve for Reinforced Concrete Frame structures considering effect of structural characteristics	Prof. (Dr.) S A Vasawala
23	Uttamkumar	Behaviour Of Pile Raft Foundation Subject To Vertical And Horizontal Load	Prof. (Dr.) S A Vasawala
24	Megha B. BAHATT	Design Considering and checks of model RC Chimney for experimental work	Prof. (Dr.) S A Vasawala
25	Patel TejashKumar	External Strengthening of Circular and Square RC Short Column Using FRP Composites	Prof. (Dr.) S A Vasawala
26	Anuj K. Chandiwala	Behaviour Of Large Piled Raft Foundation On Clay Soil	Prof. (Dr.) S A Vasawala
27	Ankit H. Sodha	Behaviour of Multiple Friction Pendulum system under Near-fault earthquake	Prof. (Dr.) S A Vasawala
28	Channabasaveshwar Chikmath	Direct Displacement Based Seismic Design of RC Structures	Prof. (Dr.) S A Vasawala
29	Nehal M. Desai	Time Dependent Construction Sequence Analysis Of Reinforced Concrete Moment Frame	Prof. (Dr.) S A Vasawala
30	Ronak Motiani	Course Work Completed	Prof. (Dr.) S A Vasawala
31	Jiji Krishnan T U	Soil stabilization using colloidal silica	Dr. Shruti J Shukla
32	Khushbu Gandhi	Improvement of expansive soil using bagasse	Dr. Shruti J Shukla
33	Arpit A. Parikh	Jack up – Spudcan / Mudmat Stability studies under VMH Loading	Dr. Shruti J Shukla
34	Ananad Zanwar	Enhancement of sustainability in mortar by using fine waste glass powder	Dr Y D Patil
35	Aniket Shirgaonkar	Structural behavior of profiled deck composite slab with basalt fiber and new types of shear connectors subjected to monolithic loading	Dr Y D Patil
36	Sachin Patil	Performance of cement mortar containing fine glass powder as replacement of cement at elevated temperatures.	Dr Y D Patil
37	Bhagyashri Sarde	unsaturated polyester resin prepared from recycled pet used as binder in polymer concrete	Dr Y D Patil
38	Satish waysal	Utilization potential of PET polymer in concrete	Dr Y D Patil
39	Dipak Nathe	Effect of elevated temperatures on properties of concrete incorporating copper slag and coal bottom ash as replacement of natural fine aggregates	Dr Y D Patil
40	Akshay Bhoi	Properties of sustainable concrete incorporating copper slag as a sand replacement	Dr Y D Patil
41	Vaibhav Pawar	Mechanical anchorage in exterior beam column joint subjected to cyclic loading	Dr Y D Patil

**M.Tech. Dissertation completed during the year (2017-18)****Structural Engineering**

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. G R Vesmawala	Singh Mohit Deepchand	CFD Study for wind load on tall building-case study of surana 101.surat tall building
02	Dr.Atul K Desai	Aghera Denishkumar Kantilal	Parametric study on horizontally curved post tensioned prestressed concrete bridge
03	Dr. S A Vasanwala	Nayakwala Nainish Mukeshchandra	A study on outrigger braced shear wall structural system for high rise building
04	Dr.Atul K Desai	Trangri Daksh Sanjay	Parametric study on indian seismic code IS:1893:2002(PART -1)and IS 1893:2016(PART-I)
05	Dr.S N Desai	Pandya Arjun Pramodbhai	Influence of accelerated steam curing on metakaolin concrete
06	Dr. Y D Patil	Bhawani Singh Rajpurohit	Enhancement of sustainability in mortar by using fine waste glass powder
07	Dr. C D Modhera	Pratul Singhal	Experimental studies on use of GGBS and copper slag in concrete mixture
08	Dr. G R Vesmawala	Sanjay Rajan	Cyclic behavior of end plate connections with castellated beams.
09	Dr. Y D Patil	MinnuUnni	Seismic analysis of reinforced concrete structures having irregularities
10	Dr. S A Vasanwala	Patel Sahaskumar Priyavadan	Influence of capacity based design on seismic response of RC building structures
11	Prof A J Shah	NeerajKumar Sahu	Experimental studies on reactive powder concrete containing flyash and steel fibre
12	Dr.B K Kondraivendhan	SondhiSudheer	Influence of blended concrete on reinforcement corrosion in presence of chloride and sulfate ions
13	Dr.B K Kondraivendhan	Lakavath Chandrashekhar	Shear behavior of steel fiber reinforced prestresses concrete beams
14	Dr.H S Patil	Akash J K	Understanding structural behavior from user friendly models
15	Dr S R Suryawanshi	Sunilkumar Bairwa	Experimental Investigation of Recycled coarse aggregate concrete Beam

**M.Tech. Dissertation completed during the year (2017-18)****Soil Mechanics & Foundation Engineering**

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. Satyajit Patel	Gayathri Nair G R	Experimental and numerical studies on black cotton soil stabilized with class C fly ash for use in flexible road pavements
02	Dr. Shailendra Kumar Shri. J.B.Patel	Hrishikesh Agashey	Experimental and numerical studies on comparison of single pile of lime column and soil lime column in soft clay
03	Dr. Shruti Shukla	Anna Varghese	Black cotton soil reinforced with coir fiber-an experimental study
04	Dr. Shailendra Kumar	Pratik Mohanty	Strength based study for maximum utilization of industrial solid wastes using fly ash-corex slag stabilized expansive soil
05	Dr. Shruti Shukla	Akhilesh Singh	Durability study of expansive soil stabilizd with industrial waste- a step towards sustainable development
06	Dr. Shailendra Kumar	Bhushan Chaudhari	Assessment of optimum utilization of industrial waste in stabilization of lime mixed expansive soil.
07	Dr. Satyajit Patel	Vaibhavgumarsingh	Experimental studies on compressive strength of flyash-lime-GGBS-Gypsum mix subjected to different curing conditions.
08	Dr. S.J. Shukla	KuldeepVerma	Experimental studies on expansive soils stabilized by lime and nanosilica
09	Dr. Satyajit Patel	Krishnaveni E P	
10	Shri. J.B.Patel	Smriti A	A comparative study of gabion gravity wall and gabion faced reinforced soil wall
11	Dr. Shailendra Kumar Shri. J.B.Patel	P Mahesh Rao	Numerical and experimental analysis of group action of lime column and soil lime column in soft clay
12	Shri. J.B.Patel	Shashank Gaurav	Numerical and experimental analysis of granular anchor pile and concrete pile in loose and medium dense sand under uplift force

No.	Name of Guide	Name of Student	Dissertation Topic
13	Dr. Shruti Shukla	Suresh Kumar	Experimental study on effect of industrial waste on different types of expansive soil
14	Dr. Satyajit Patel	Ravi shankar	Experimental studies on compressive strength of alkali activated flyash subjected to different curing conditions.
15	Dr. C.H.Solanki	PollugariVenkateswarlu	A small scale physical modelling of randomly disturbed waste tire shredded fiber reinforced cohesive and cohesion less soils
16	Shri. J.B.Patel	Bangal Prakshbhai Rajirambhai	Numerical and experimental studies on T-shaped granular pile in loose and soft soil
17	Dr. C.H.Solanki	Roop Narayan Meena	Leaching strength and micro structure characterization of Pb <sup>3+</sup> contaminated soil using metakaolin as a binding agent
18	Dr. C.H.Solanki	Pragati S Gaoture	Solidification/stabilization and leaching performance of Zn <sup>2+</sup> contaminated soil using calcined clay

### 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.

#### Details of Ph.D. (Ph.D. scholars and their area of Research (ongoing))

No.	Name of Student	Title of Thesis	Guide
01	Ms. Desai Mittal L.	One-step synthetic approaches for preparation of fluorescent hybrid nanomaterials: Characterization and Applications	Dr. Suresh Kumar Kailasa
02	Mr. Kateshiya Mehulkumar Rameshbhai	Designing synthesis of fluorescent nanomaterials and their applications in sensing of chemical species	Dr. Suresh Kumar Kailasa, PI Dr. Naved I. Malek, Co-PI
03	Ms. Borse Shraddha Kishor	Green synthetic approaches for fabrication of fluorescent materials: Analytical Application	Dr. Suresh Kumar Kailasa, PI Prof. Z. V. P. Murthy, Co-PI
04	Sargam Rajput	Modulating Interfacial and Micellar Properties of the Surfactants through External Additives Leading to Various nano-Aggregates	Dr. Naved I Malek (PI) Dr. Suresh Kumar Kailasa (Co-PI)
05	Ankit Shah	Ionic Liquids Based Coacervates for the Selective Encapsulation of Hazardous Dyes from Aqueous Environment	Dr. Naved I Malek
06	MuzammilKuddushi	Ionic Liquid based Hydrogels	Dr. Naved I Malek
07	Monika Jain	Novel Biocompatible Surfactants for Drug Delivery	Dr. Naved I Malek (PI) Dr. Suresh Kumar Kailasa (Co-PI)
08	Rahil Shaikh	Biocompatible Ionogels for the New Age Drug Delivery Systems	Dr. Naved I Malek (PI) Dr. Suresh Kumar Kailasa (Co-PI)
09	Lakhotia Sonia Rajendra Prasad	Preparation and characterization of thin film nanocomposite (TFN) membrane and its application for water treatment	Dr. Premlata Kumari
10	Kureshi Azazahemad Abdulkarim	Phytochemical investigation of Garcinia species for cytotoxic properties	Dr. Premlata Kumari
11	Abhishek M. Soni	Development of Rapid Multiplex Immunoassay based on Fluorescent Quantum dots with Improved Sensitivity and Specificity.	Dr. Bharatkumar Z Dholakiya
12	Meenakshi B. Paswan	Biopolymer Synthesis and its Biomedical Application	Dr. Bharatkumar Z Dholakiya
13	Nilam R. Gamit	Polymeric Coating for Corrosion Protection of Metal.	Dr. Bharatkumar Z Dholakiya
14	Gabla Jenifer Jehanbux	Green Synthesis of Biologically Active Drug-like Scaffolds using Microporous and Mesoporous Zeolites Via Multicomponent Reactions	Dr. Kalpana C. Maheria, ACD

No.	Name of Student	Title of Thesis	Guide
15	Lathiya Dharmeshkumar Ranchodhbhai	Biodiesel Production from Maize Acid Feedstock using Various Solid Acid Catalysts	Dr.Kalpana C. Maheria, Dr.D. V. Bhatt, MED
16	MorawalaDhara Hasmukhbhai	Synthesis, Characterization and Application of Composites of Zeolites	Dr.Kalpana C. Maheria, ACD
17	Lankapati Henilkumar Madhusudan	Synthesis, Characteristics of Inorganic / Hybrid Materials and their Environment Applications	Dr.Kalpana C. Maheria, ACD
18	Mrs. Khushbu Patel	Design of hybrid polymeric surfaces with anti-bio fouling properties and their application in biomedicine and environment	Dr. Rajender Kumar
19	Ms. Naik Jyotsanamayee N	Biomaterials for healthcare and environment	Dr. Rajender Kumar
20	Divya Patel	Course work (Ongoing) Surfactant/Polymer– Additives interactions	Dr. Ketan C. Kuperkar,
21	Dhruvi Patel	Solution behavior and Aggregation of block copolymers	Dr. Ketan C. Kuperkar,
22	Vinod Kumar	Surfactant – Additives interactions	Dr. Ketan C. Kuperkar,
23	Anilkumar Jangir	Deep Eutectic Solvents: Characterization & their Applications	Dr. Ketan C. Kuperkar,
24	Amit G. Shirke	Vegetable oil based polymer synthesis with detailed characterization and their Applications. (Thesis submitted)	Dr. Ketan C. Kuperkar, (Guide) Dr. Bharatkumar Z Dholakiya (Co-guide)
25	Bharatkumar B. Kanoje	Micellization behaviour of Conventional and Dimeric Surfactant in aqueous solution system: Characterization and their Applications. (Thesis submitted)	Dr. Ketan C. Kuperkar, ACD
26	Ashish Raychura	A Renewable Approach towards the Development of Wood Protective Polyurethane Coating from Vegetable Oil-based Polyols.	Dr. Smita Jauhari (Guide) Dr. Bharatkumar Z Dholakiya (Co-guide)
27	Hem Naik	Phytochemistry	Dr. Smita Jauhari

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. Naved I Malek	Gurpreet Singh Nangala	Volumetric Properties Of Aqueous Des Systems At Different Temperatures
02	Dr. Naved I Malek	MamtaSurti	Construction of Inclusion Complexion in the Ester Funtionalized Ionic Liquid based Surfactatns with $\alpha$ -cyclodextrin
03	Dr. Naved I Malek	Nehal Patel	Ionic Liquids as a Low Molecular weight Gelators
04	Dr. Premlata Kumari	Divya Patel	Investigation of biological activity of various extracts of pomegranate peel powder.
05	Dr.B Z. Dholakiya	Sheetal S Jogekar	Synthesis and Characterization of Castro Oil based Fatty Ester as a Polyurethane Precursor
06	Dr.B Z. Dholakiya	Ankit Malani	Synthesis, Characterization and Coating Application of Vegetable Oil Based Polyurethane.
07	Dr.Kalpana C. Maheria	Ayushi R. Patel	Ti-ATMP catalyzed esterification of levulinic acid to produce value added chemical
08	Dr.Kalpana C. Maheria	Nehal S.Patel	Green synthesis of $\beta$ -Amino carbonyl compounds catalyzed using micromesoporous zeolite composite
09	Dr.Kalpana C. Maheria	Aarti Chaudhary	Synthesis and characterization of a hybrid ion exchanger Ti-ATMP and its application as an cation exchanger
10	Dr. Ketan C. Kuperkar,	Peeyush Desai	1-Octanol triggered self-assembly and structural characterization of cetyltrimethylammonium bromide in aqueous micellar solution
11	Dr. Ketan C. Kuperkar,	Roshni More	Ternary deep eutectic solvents : synthesis and characterization
12	Dr. Ketan C. Kuperkar,	Dwarkesh Satodia	Micellar behaviour of cationic surfactant in polar and dipolar solvents
13	Dr. Ketan C. Kuperkar,	Jay Hingrajiya	Dye-Surfactant Interaction with Physicochemical Studies
14	Dr. Smita Jauhari	Kowshik Ghosh	Green synthesis of gold nanoparticles by using various plant extracts and their application as anticancer agent and catalyst.
15	Dr. Smita Jauhari	Souvik Ghosh	A novel approach to synthesis of gold nanoparticles using carbon dots and its potential application as catalyst and anticancer agent.

### 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

Sr. No.	Name of Student	Title of Thesis	Guide
01	Dr. Zalak U Shah	Spectroscopy of heavy flavoured baryons	Dr. A. K. Rai
02	Dr. V. H. Kher	Spectroscopy study and Regge trajectories of Qq and QQ mesons	Dr. A. K. Rai
03	Dr. Esha V. Shah	Density Functional Investigation on Structure and Physicochemical Properties of Some Clusters, Compounds and Materials (Awarded: February, 2018)	Dr. Debesh R. Roy
04	Mr. Vipin Kumar	Density Functional Investigation on Cluster, 2D and Bulk Materials for Developing Novel Semiconductors, Thermoelectrics and Sensors	Dr. Debesh R. Roy
05	Kunvar S. Yadav	A Study On Possible Precursory Signatures Of Earthquake In Land, Ocean And Ionosphere	Dr. K. N. Pathak
06	Hozefa Tinwala	Synthesis of Lanthanum Cerium Oxide (La <sub>2</sub> Ce <sub>2</sub> O <sub>7</sub> ) Nanoparticles and Its Characterization"	Dr. D. V. Shah

### 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 Managemetn mainly) and caring out research by handling research projects etc.
- Indian English Fiction, Popst colonial fiction and Communication skills.

**Scholars Pursuing PhD Currently and Their Details: (Please Write the Details about the Candidate/S Pursuing Ph D with You)**

Sr. No.	Name Of Students	Topic	Guide
1.	Vimal P.Gohil	Fluid Flow through Porous media	Dr. Ramakanta Meher
2.	Nirav D.Patel	Fluid Flow through Porous media	Dr. Ramakanta Meher
3.	Rishikesh Yadav	Approximation Theory	Dr. Ramakanta Meher
4.	Juhi Kesharwani	Fluid Flow through Porous media	Dr. Ramakanta Meher
5.	Hiren S. Lekhadiya	Satellite Data Assimilation in Numerical Weather Prediction Models	Dr. R. K. Jana
6.	Bhumika V. Maheshwari	Extended Hypergeometric Function	Dr. R. K. Jana and Dr. A. K. Shukla
7.	Radharaman Roy	Hypergeometric Function	Dr. R. K. Jana
8.	Dhawal J. Bhatt	Approximation Theory & Special Function	Dr. R. K. Jana
9.	Ankit Pal	Special Function	Dr. A. K. Shukla and Dr. R. K. Jana
10.	Mr. Vijay Saw	Solution of fractional differential equations using Chebyshev polynomials	Dr. Sushil Kumar
11.	Mr. Hitesh Banshu	Solution of bio-heat equation using Mesh-free method	Dr. Sushil Kumar
12.	Mr. Arvind Mishra	On spectral method using fractional Chebyshev polynomials	Dr. Sushil Kumar Dr. A. K. Shukla
13.	Singh Nisha Brijanand	Modelling Calcium and IP3 Dynamics in a Myocyte Cell (tentative topic)	Dr. Neeru Adlakha
14.	Ms. Jagtap Yogita Dadasaheb	Modelling Calcium Dynamics in a Hepatocyte Cell (tentative topic)	Dr. Neeru Adlakha
15.	Patel Yogeshwari F.	Mathematical Modeling	Dr. Jayesh Dhodiya
16.	Patel Jignasha G.	Optimization	Dr. Jayesh Dhodiya
17.	Rekh Riddhi K.	Optimization	Dr. Jayesh Dhodiya
18.	Jaydeep Sosa	Optimization	Dr. Jayesh Dhodiya
19.	Vandana Kakaran	Optimization	Dr. Jayesh Dhodiya
20.	Esha Pandya	Internet Marketing	Dr. H. P. Bulsara
21.	Pratiksingh Vaghela	Internet Marketing	Dr. H. P. Bulsara
22.	Ms. Roshni Singh	Political branding strategies in India: A comparative study of voters' opinion in select cities of Gujarat and Maharashtra	Dr. H. P. Bulsara
23.	Ms. Nidhi Koushal Yadav	Consumer Behavior towards Ayurvedic Medicine: A Comparative study in Select Districts of Gujarat	Dr. H. P. Bulsara
24.	Ms. Krupa Sofiya Jeychandran	Concept of Place and Space in the Novels of M. G. Vassanji-	Dr. Urvashi Kaushal
25.	Ms. Krupali Parekh	Fiction of the South Asian Women Diaspora writers	Dr. Urvashi Kaushal
26.	Bhumika Choksi	Approximate solution of PDE by sumudu transform homotopy perturbation method	Dr. Twinkle R. Singh
27.	Mihir Panchal	To be decided	Dr. Twinkle R. Singh
28.	Ankita R. Devdhara	Mathematical Analysis	Dr. V. N. Mishra and Dr. A. K. Shukla
29.	Arvind Kumar Mishra	Fractional Calculus and Biomathematics (Title TBA)	Dr. Sushil Kumar Dr. A. K. Shukla
30.	Pravin Baradol	Fixed Point Theory	Dr. D. Gopal
31.	Daga Amruta Rajendra	Application of Variational Homotopy Perturbation Method to Non-Linear Equations Arising in Stream Aquifer Interaction Problems	Dr. V. H. Pradhan
32.	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

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

Sr. No.	Name of Students	Title	Research Area	Guide
1.	Sony Singh	Fluid Flow through Porous media	Fluid Dynamics	Dr. Ramakanta Meher
2.	Nidhi	Fluid Flow through Porous media	Fluid Dynamics	Dr. Ramakanta Meher
3.	Simran Narang	Public Bicycle Sharing System	Optimization	Dr. R. K. Jana
4.	Timilan Mandal	Factional Calculus	Analysis	Dr. R. K. Jana
5.	Shweta More	Game theory	Optimization	Dr. R. K. Jana
6.	Mr. Sourav Majumdar	Numerical study on hyperthermia using mesh-free method	Mathematical modelling, Mesh-free method	Dr. Sushil Kumar
7.	Mr. Tushar Chakraborty	On system of differential equations	Differential equations	Dr. Sushil Kumar
8.	Ms. Tanvi Lad	Numerical simulation of heat and water distribution in human skin and subcutaneous tissues.	Mathematical Biology	Dr. Neeru Adlakha
9.	Ms. Pankty Fruitwala	Numerical simulation of nutrient distribution in the rhizosphere of a root.	Mathematical Biology	Dr. Neeru Adlakha
10.	Patel Deviyani M	A study on multi mode PERT problems and their solution using fuzzy programming technique	Optimization	Dr. Jayesh M. Dhodiya
11.	Visiya Nirali Jivabhai	Multi-Objective PERT Problems and their solutions using weighted additive approach and Fuzzy Programming technique	Optimization	Dr. Jayesh M. Dhodiya
12.	Alifia	To be decided	Mathematical modeling	Dr. Twinkle R Singh
13.	Akshay	To be decided	Mathematical modeling	Dr. Twinkle R Singh
14.	Darshan	To be decided	Mathematical modeling	Dr. Twinkle R Singh
15.	Rucha Shah	Fractional Calculus (Title TBA)	Mathematical Analysis	Dr. A. K. Shukla
16.	Mansha Kalra	Financial Mathematics (Title TBA)	Applied Mathematics	Dr. A. K. Shukla
17.	Hemal Vadher	On Fibonacci sequence	Number Theory	Dr. D. Gopal
18.	Saloni Khoja	On Lucas Numbers	Number Theory	Dr. D. Gopal
19.	Shalini Gupta	Finite Difference Methods & its Applications	Numerical Analysis	Dr. V. H. Pradhan
20.	Namrata Velvan	A study of Flood prediction Models	Mathematical Modeling	Dr. V. H. Pradhan
21.	Sanjeev Kumar	Application of Curve Fitting in Engineering	Numerical Analysis	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.

#### **CHEMICAL ENGINEERING DEPARTMENT**

**Dr. Mausumi Mukhopadhyay:** Nanocomposite membrane for Energy storage, Membrane separation and Biosensor.

**Dr. A. K. Mungray:** Microbial Fuel Cell, Benthic Microbial Fuel Cell, Decentralization, Waste to Energy.

**Dr. V. N. Lad:** Research in the field of Microfluidics, Complex Fluids, Colloids and Interfacial Engineering, Advanced Materials.

**Dr. Meghal A. Desai:** Utilization of waste towards valuable product: Synthesis of Value added products.

**Dr. Arun K. Jana :** CFD Based Modeling and Simulation, Liquid-liquid and gas-liquid multiphase flows, Drag Reduction in Pipeline Transportation, Packed and Expanded Bed Operations, Heterogeneous catalysis in Petroleum Refining and Petrochemicals

**Dr. (Mrs.) Alka A. Mungray:** Stacked type of MFC and OMFC, focus on preparation of novel type of polymer nanocomposite membrane preparation.

**Dr. G. C. Jadeja:** To strengthen the research activities related to development of green extraction methods for recovering high value compounds from biomass waste, an integral concept of the bio-refinery. Exploring collaboration with the fellow colleagues within the department/institute as well as outside experts in realizing this potential.

#### **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

#### Details of Ph.D. (Ph.D. scholars and their area of Research (ongoing))

No.	Name of Student	Title of Thesis	Guide
01	Dayanand Sharma	Design and development of technologies for degradation of flower waste	Dr K. D. Yadav
02	Balya Manjurali Imadadali	Design and optimization of integrated feeder para transit system for Ahmedabad Bus Rapid Transit Line.	Dr. R. K. Singh
03	Sharad Jagannath Kadbhane	Development of agro-climatic grape yield model with reference to irrigation practices and future perspectives.	Dr. V L Manekar
04	Ms. Tandra Banerjee	Experimental and numerical analysis of nanoparticle evolution and dispersion from gasoline and diesel vehicles in Indian conditions	Dr. R. A. Christian
05	Vinodkumar Adigopula	Stiffness based investigations of low volume roads using light weight deflectometer	Dr. R. K. Singh
06	Digant Anilkumar Pastagia	Fuzzy rating system for residential green buildings based on pre and post occupancy parameters	Dr J.E.M. Macwan
07	Hecson H. Christian	Appraisal of sanitary landfill sites and identifying appropriate location in GIS environment	Dr J.E.M. Macwan
08	Pallav Kumar	Study on operational characteristics of mixed traffic flow on urban un-interrupted roadway facility	Dr. Gaurang Joshi Dr. S. S. Arkatkar
09	Ms. Balve Pranita Narayan	Optimization of multi reservoir operating policy	Dr J. N. Patel
10	Mahesh Gadekar	Use of water treatment residuals for colour removal from textile wastewater	Dr M. Mansoor Ahammed
11	Ms. Smita Ramesh Varade	Determination of optimal cropping pattern using available groundwater for Sinnar taluka, Maharashtra (India)	Dr J. N. Patel
12	Shrikant B. Randhavne	Application of hydrodynamic cavitation to treat chlorpyrifos and other important parameters from real pesticide waste water	Dr A. K. Khambete
13	Nisha P. Soni	Integrated Environmental Pollution Potential of Industries with reference to waste water and air emissions	Dr. R. A. Christian Dr. N. D. Jariwala
14	Neelam Sharma	Dark Grey Water Treatment by Filtration system and treatment selection by using soft computing tools (FMCDM AND AHP)	Dr. N. D. Jariwala Dr. K.D.Yadav
15	Apeksha Mendhe	Road safety audit for crossings safety of non-motorized using geometric design	Dr. R. K. Singh
16	Dipesh Sonviya	Integrated road traffic noise mapping in urban Indian context	Dr. B.N.Tandel
17	P. Laxmi Narayan	Effect of longitudinal and transversal arrangements of piers on bridge scouring	Dr.P.V. Timbadiya Dr.P.L.Patel
18	Akhilesh Chopuri	Study on travel time variability and reliability for selected urban bus routes	Dr.S.S. Arkatkar Dr.G.J.Joshi
19	Praveen Rathod	Turbulence characterization around circular bridge piers	Dr.V.L.Manekar
20	Yogeshwar V. Navadar	Traffic Flow Operational Analysis At Manually Operated Toll Plazas Under Mixed Traffic Conditions	Dr.Ashish Dhamaniya
21	Rupal K. Waghwal	Impact assessment of urbanization on flood risk and integrated flood management: a case study of Surat city and surrounding region	Dr.P.G.Agnihotri
22	Manoj M. Yadav	Psychological effects of noise pollution on open shutter Shopkeepers	Dr. B.N.Tandel
23	Vasudevan N.	Mode preference behaviour of heterogeneous travelers in Indian Metropolitan city, Surat	Dr. Gaurang Joshi Dr. S. S. Arkatkar
24	Kalpesh S. Borse	Impacts of climate change on Agriculture using Geospatial techniques	Dr.P.G.Agnihotri
25	Jabbar Yazad Cyrus	Reservoir Sedimentation	Dr. S.M.Yadav
26	Vinchurkar Sushrut H.	Performance Evaluation of Hydropower Plants in India	Dr.B.K.Samtani
27	Nema Anudeep S.	Treatment of greywater by vertical flow constructed wetland	Dr. K.D. Yadav Dr.R.A.Christian

No.	Name of Student	Title of Thesis	Guide
28	Sourabh Nishant Praveen	Leakage detection using pressure based transient in water distribution network.	Dr.P.V. Timbadiya Dr.P.L.Patel
29	Praveen R. Barapatre	Irrigation Water Management Using Internet of Things / Geospatial Technologies	Dr. J.N.Patel
30	Vijendra J D Prasad	Optimization of Reservoir Operation	Dr. S.M.Yadav
31	Suryanarayan Raju	Study of driving behavior under mixed traffic conditions	Dr.S.S. Arkatkar Dr.G.J.Joshi
32	Samir J. Patel	Public Bicycle Sharing System in Indian Context	Dr. Chetan R. Patel

### M.Tech. Dissertation completed during the year (2017-18)

#### Specialization: Environment Engineering

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. M.M.Ahmed	Himanshu Sadhya	Multicriteria decision making different for comparing different waste to Energy Tech
02	Dr. M.M.Ahmed	Shailendra Singh	Effect of Coagulation on granular filtration of grey water
03	Dr. R.A.Christian	Ankit Katiyar	Data Assessment and Analysis of surface water, Tapi river, Surat, India
04	Dr. R.A.Christian	Dhoka Mohit	Assessment of ambient air quality monitoring network using spatial interpolation techniques in GIS
05	Dr. Mrs. A.K.Khambete	Akash Kanthariya	Comparative study of dewatering techniques for sludge of common effluent treatment plant
06	Dr. Mrs. A.K.Khambete	Sanyukta Singh	Suitability of hydrodynamic Caritation to treat fractions of COD in pigment industry & optimization using response surface methodology
07	Dr. Mrs. N.D.Jariwala	Neha	Study of Monophytes in Tapi River
08	Dr. Mrs. N.D.Jariwala	Megha Merin Joy	Evaluation of pollutant emission using AGRMOD software
09	Dr. Mrs. N.D.Jariwala	Deepak Waghmare	Study of Dual Media filter
10	Dr. B.N.Tandel	Devyani Begrecha	Study of Electro-Cogulation and Fenton Oxidation on Agrochemical Industrial Waste Water
11	Dr. B.N.Tandel	Bibn K. Suresh	Integrated Power coupled Electro-Coagulation
12	Dr. B.N.Tandel	Mansi K.Gamit	Assessment and Modelling Noise Pollution due to Vehicular Traffic and its Impact on Human work Efficiency
13	Dr. K.D.Yadav	Ravuri Narendra	Development of the cleaning process in the management of plastic waste
14	Dr. K.D.Yadav	Laxmidhar Husain	Optimization of environmental parameters for windrow composting of city compost plant

#### Specialization : Water Resource Engineering

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr.P.L.Patel	Vishal Kachhwaha	An integrated hydrologic , hydraulic model for prediction of inflows into Hathnur reservoir
02	Dr.P.L.Patel	Suhani Chaudhary	Prediction of flow resistance and morphologic behavior of middle Tapi river
03	Dr.P.L.Patel	Lalit Gehlot	Assessment of turbulent flow characteristics over mobile and immobile channel bed
04	Dr.S.M.Yadav	Rahul K Patel	Non uniform bed load transport analysis using field & flume data
05	Dr.S.M.Yadav	Makwana Tarun	Experimental filed investigation of bed load transport for gravel bed river
06	Dr.S.M.Yadav	Tejas Jadav	ID & 2D hydraulic modelling of Banas river from downstream of Dantiwada & Sipu dam to Kamalpur using HACRAS
07	Dr. V.L.Manekar	Tom K.Thomas	Impact of landuse and cover o flood – A case study of lower Tapi basin
08	Dr. V.L.Manekar	Mahesh Sitari	Numerical & Experimental Investigations of Turbulance characteristics around bridge Rig
09	Dr. P.V.Timabadiya	Navya Chandu V.T	Prediction of multisite future daily precipitation using Kennal regression model for tapi basin A- spatial temporal Analysis
10	Dr. P.V.Timabadiya	Shubham S. Jibhkate	Two dimensional hydrodynamic simulation of flood waves from Ukai dam: A Ram break Analysis

No.	Name of Guide	Name of Student	Dissertation Topic
11	Dr. P.V.Timabadiya	Saurabh S. Tanpure	Integrated hydrological & two dimensional hydrodynamic flood simulation model for lower Namrada river
12	Dr. G.D.Kale	Sudhanshu Sekhar Mohanta	Trend detection in groundwater levels of Bikaner district of Rajasthan
13	Dr. G.D.Kale	Eerla Devi Varanprasad Naidu	Attribution of regionally significant trend observed in gridded pet data over the tapi basin
14	Dr.J.N.Patel	Shailendra Kumar Singh	Planing for irrigation and domestic water demands in mainpor region (Uttarpradesh India)
15	Dr.J.N.Patel	Gokul Prasad	Optimization and conjuctive use of surface water and ground water in Haridwar region(Uttarkhand)

### Specialization : Urban Planning

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. Chetan R. Patel	Atit Kumar	Active relationship of urban heat island and physical planning: A case study of surat city
02	Dr. Chetan R. Patel	Rathi Sayali Dilip	Characterisation of urban textile freight movement : A case study of surat city
03	Dr. Chetan R. Patel	Pratik Menkar	Redevelopment & Refurbishment of a core area I Nashik city using a rationalized approach of local area planning (RAP)
04	Dr. Chetan R. Patel	Patel Hardik Maheshbhai	Priority base planning proposals of urban infrastructure: A case study of SUDA
05	Dr. J.E.M.Macwan	Jatin kashyap	Heritage development plan –a planning proposal for pushkar
06	Dr. J.E.M.Macwan	Manoharlal Dutt	Planning proposal of Urban recreational facilities for jodhpur city (Rajasthan)
07	Dr. J.E.M.Macwan	Nithin Vinod	Artificial Neural network Modeling of Urban growth in GIS support
08	Dr. K.A.Chauhan	Ramneek	Qualitative analysis of Affordable housing & amp; Redevelopment of Slum in SuratCity under "housing for all" scheme
09	Dr. K.A.Chauhan	Jagvijay Patel	Sustainable Solid Waste Management in Rural Cluster of Villages of Surat District
10	Dr. K.A.Chauhan	Nikhil Champaneria	Integrated Energy Planning for Sustainable Development of Rural Areas: A Case Study of Village Cluster of Unnat Bharat Abhiyan
11	Dr. K.A.Chauhan	Patel Nikhil	Rural Cluster Development With Special Emphasis on Health snd Education
12	Dr. R.M.Tailor	Kandarp Rajyaguru	Rejuvenation of Porbandar City through Local Area Planning.
13	Dr. R.M.Tailor	Emil T C	Identifying Suitable Residential Location through AHP and GIS in case of Kochi City.
14	Dr. R.M.Tailor	Deep Lakshmi	Assessment of Quality of Life Index using Analytical Hierarchical Process: A case study of Surat City
15	Dr. R.M.Tailor	Patel Jaldip Kanubhai	Assessing Land Suitability for Urban Growth using GIS and AHP: A Case of Surat
16	Dr. R.M.Tailor	Kandarp Rajyaguru	Rejuvenation of Porbandar City through Local Area Planning.

### Specialization: Transportation Engineering Planning

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. S. S. Arkatkar	Smit Thakkar	Determining travel time reliability and prediction using Wi-Fi sensors under heterogeneous traffic conditions
02	Dr. S. S. Arkatkar	Sachin shah	Estimating perceived level of service on Intercity expressway
03	Dr. S. S. Arkatkar	Nishant Pawar	Examining drivers dilemma and safety assessment at un-signalised T-Intersections under mixed traffic conditions
04	Dr. S. S. Arkatkar	Learie Milleve	Assesing the performance of public buses and user perception
05	Dr. S. S. Arkatkar	Geetashree	Study of lane changing behavior on uninterrupted urban multilane road using trajectory data
06	Dr. S. S. Arkatkar	Chintan Adwani	Derving travel patterns using WiFi sensors for Indian traffic conditions: A few case studies

07	Dr. Rakesh Kumar	Amol Patil	Numerical Analysis of flexible pavement using PLAXIS 2D
08	Dr. Rakesh Kumar	Shubhanshu	Stabilization of clayey subgrade based on mineralogy analysis
09	Dr. Rakesh Kumar	Siddharth Khapre	Utilization of Electric Arc furnace slag: Ball layer material for flexible pavement

### **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.

#### **Details of Ph.D. (Ph.D. scholars and their area of Research (ongoing))**

No.	Name of Student	Title of Thesis	Guide
01	Ms. Surati Nilam A.	Code attestation based intrusion detection and prevention systems for wireless sensor networks	Prof. D. C. Jinwala
02	Mr. Contractor Dipen P.	Remote attestation for cloud computing	Prof. D. R. Patel
03	Mr. Gohil Bhavesh N.	Load balancing in cloud computing	Prof. D. R. Patel
04	Mr. Shah Kaushal Arvindbhai	Investigating privacy preserving secure data aggregation and light weight key pre distribution in linear and grid based networks	Prof. D. C. Jinwala
05	Mr. Mehta Brijesh B.	Scalable Anonymization approaches for privacy preserving big data publishing	Prof. U. P. Rao
06	Ms. Ruchika Gupta	Investigating and devising privacy preserving approaches for location based services	Prof. U. P. Rao
07	Mr. J. Satish Kumar	Optimized resource management and clustering in hierarchical network of IOT with situation aware cloud based data acquisition using UAV for post disaster management and surveillance	Prof. M. A. Zaveri
08	Mr. Himanshu B Patel	Detecting Attacks using tree based optimized approach in IOT	Prof. D. C. Jinwala
09	Mr. Domadiya Nikunj H.	Efficient privacy preserving association rule mining in horizontally partition healthcare dept	Prof. U. P. Rao
10	Mr. Saurabh Kumar Pandey	Optimal deployment strategy and localization of nodes and events using collaborative processing in hierarchical networks of IOT for post disaster management	Prof. M. A. Zaveri
11	Mr. Mehta Shivanshu	Decentralized access control model for Internet of things	Prof. D. R. Patel / Prof. D. C. Jinwala
12	Mr. Macwan Kamal Kumar	Privacy Preserving Approach In social networks data publication	Prof. S. J. Patel
13	Mr. Shah Unnati	Constructing knowledge based quality attributes relationship matrix to identify conflicts in non functional requirements	Prof. S. J. Patel / Prof. D. C. Jinwala
14	Ms. Dhruvi Sharma	Design and analysis of searchable encryption scheme with result aggregation result ordering and multiuser support	Prof. D. C. Jinwala
15	Ms. Padhya Mukti B.	Scheme for Key searchable encryption	Prof. D. C. Jinwala
16	Mr. Kapuriya Yogesh M.	Enhancement of the decision support system for trading in financial market based on fuzzy inference system and PSO	Prof. U. P. Rao
17	Mr. Kadhiwala Bintu B.	Experimental analysis of m-privacy based approach for insider attack prevention in collaborative social networks data publishing	Prof. S. J. Patel
18	Mr. Mahajan Rutul S.	Exploring emotion recognition in textual conversation	Prof. M. A. Zaveri
19	Mr. Shah Vishal M.	Attribute based authorization for IOT environment	Prof. U. P. Rao
20	Mr. Patel Anshuman S.	Security scheme to prevent fragmentation attacks in 6 LoWPAN	Prof. D. C. Jinwala
21	Mr. Bharat Arun Tidke	Influence analysis of social network data : Time aware	Prof. R. G. Mehta

No.	Name of Student	Title of Thesis	Guide
		identification and ranking of top –k influencer nodes	
22	Ms. More Anjali S.	Improvise dynamic binary multiclass imbalance over sampling techniques for multivariant dataset	Prof. D. P. Rana
23	Mr. Dhanani Jenish J.	Sentiment analysis using novel distributed sentiment polarized word embedded	Prof. R. G. Mehta / Prof. D. P. Rana
24	Mr. Alone Nilesh V.	Routing in internet of things	Prof. M. A. Zaveri
25	Mr. Lahane Shivaji R.	An efficient cross layer design service approach for servicing wireless sensor network	Prof. K. N. Jariwala
26	Ms. Vora Shivani V.	Effective feature engineering for sentiment analysis	Prof. R. G. Mehta
27	Ms. Agrawal Isha Y.	GPU based credibility assessment system to combat misinformation proliferation on OSN	Prof. D. P. Rana
28	Ms. Patil Sonal P.	Improving the efficiency of forgery detection in image videos using machine learning	Prof. K. N. Jariwala
29	Mr. Parmar Dilay A.	Privacy location based services.	Prof. U. P. Rao
30	Ms. Trivedi Hiral S.	Security and privacy issues in data stream in IoT	Prof. S. J. Patel
31	Ms. Desai Mitali H.	Modified index based storage structure for real time big data	Prof. R. G. Mehta / Prof. D. P. Rana
32	Ms. Khandre Rasika V	Image based Document processing	Prof. K. N. Jariwala
33	Mr. Goyal Satish Raj	In-paintaing	Prof. K. N. Jariwala

### M.Tech. Dissertation completed during the year (2017-18)

No.	Name of Guide	Name of Student	Dissertation Topic
01	U P Rao Ms.M. Pannala, Intel. Bengaluru	Rohit Kumar	Development of Automation Tools for Validation and Enhancement of Intel's Display Audio Driver
02	S J Patel	Shivangi Shukla	A Novel Context-Aware Adaptive Model for Location Privacy in Internet of Things
03	R P Gohil	Bhutaiya Shruti Arunbhai	Implementation of Efficient Optimization Techniques for Resource Constrained Environment
04	D. C. Jinwala, Ms. D. Godbole, Marvell, Pune	Zalte Madhuri Eknath	To Implement 6LoWPAN Layer for Transmission of IPv6 Packets Over BLE
05	S R Goyal	Shrikant Prabhugouda Mudnur	A Secure Image Hiding Scheme using HAAR Discrete Wavelet Transform
06	D P Rana/B N Gohil Mr.D.Gupta, Intel, B'lore	Ranjeet Kumar	Post Processing for GNSS
07	R P Gohil	Riddhi Prajapati	Improvisation in Trust Model for Ad-hoc On-Demand Distance Vector (AODV) Routing Protocol
08	M A Zaveri	Deepika Yadav	Supervised Learning based Tree Area Identification for Smart City Application
09	K. N. Jariwala Mr. B.P. Simon. Intel Bangalore	G Ravichandra	Power Visualization Of Various GPU Architectures
10	M A Zaveri	Aishwarya Mohan P.	Anomaly and Activity Recognition using Machine Learning Approach for Video based Surveillance
11	K. N. Jariwala	Shiva Verma	Age and Gender Classification Using Histogram of Oriented Gradient and Back Propagation Neural Network Age and Gender Classification Using Histogram of Oriented Gradient and Back Propagation Neural Network
12	R G Mehta Mr.Aneesh R, Intel Bangalore	Shubhi Satvik	Development of Software Tools to Enhance GNSS Software Development and Validation Process
13	D C Jinwala	Snehal Parmar	Investigating Black-Hole and Sybil attack in IoT and their mitigation
14	S J Patel	Bhavana Verma	
15	S R Goyal	Baviskar Vaibhvakumar Yuvaraj	Enhancement of Video Performance by Using Segmentation and Deep Learning
16	U P Rao	Gargi Baser	Secure Criss-Cross Location Based Service in Logistics
17	D P Rana Mr. Lakshmpathy K., Intel Bangalore	Jain Nikhilkumar Parasmal	Bluetooth Firmware Debug Techniques for Intel BT SOC

## 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

## 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

### Details of Ph.D. (Ph.D. scholars and their area of Research (ongoing))

Sr. No.	Name of Students	Topic	Guide
1.	Shubhangi Mahamuni	Spectrum Hand Off Delay Minimization In Cognitive Radio Network	Dr. (Mrs).U. D. Dalal (I/c Supervisor)
2.	Rasila Hirani	Design and Performance Analysis Plasma Antenna for leaky wave Application	Dr.(Mrs.) S. N. Shah
3.	Sonal Parmar	Analysis Of Total Electron Control On 23 July 2016 For Solar Flare Event Using EMD For IRNSS Signals At Latitude Station Surat India	Dr. (Mrs).U. D. Dalal Dr. K.N.Pathak
4.	Hemant Goklani	Image Super Resolution using MCDL	Dr. J. N. Sarvaiya
5.	Idris Bholebawa	Open Flow Protocol Designing for Wireless Environment	Dr. (Mrs).U. D. Dalal
6.	Pathak Jay Rajendraprasad	In Ga As Fin FET	Dr. A. D. Darji
7.	Singh Vinaykumar Vijay	Combating LED Non Linearity for OFDM Based Visible Light Communication Systems for high speed Indoor Application	Dr. (Mrs).U. D. Dalal
8.	Patel Dhananjay Manohar	Mitigating Transmitter Non-Linearity And Fiber Impairments In Radio Over Fiber Technology	Dr. (Mrs).U. D. Dalal
9.	Pradhan Dipika Nabakishore	Flat Gam wideband Raman Amplifier DWDM System	Dr. A. S. Mandloi (I/c Supervisor)
10.	Mr. Shah Prashant K	The Stability Analysis of 2-D PSY Systems model and Its Applications	Dr. (Mrs).U. D. Dalal (I/c Supervisor)
11.	Sakhare Swati Vinodkumar	HEVC Coding For Real Time Video Communication	Dr. (Mrs).U. D. Dalal
12.	Pathak Ketki Chintankumar	Improvement & Optimization of Image Prediction for lossless Compression	Dr. J. N. Sarvaiya
13.	Yadav Rahul Sureshchandra	Modeling, Fabrication and Testing of Electromagnetic Band gap inspire Microwave Devices for Sensor Application	Dr. P. N. Patel
14.	Adhvaryu Meghayu Atulkumar	Fabrication and Testing of FBG Based RF Antenna Sensor for Corrosion Monitoring	Dr. P. N. Patel
15.	Sarosh Dastoor	Cellular Planning and Heterogeneous Network Optimization for next Generation Wireless Mobile Communication	Dr. (Mrs).U. D. Dalal Dr. J. N. Sarvaiya
16.	Darshna Jagiwala	Collateral Advanced Processing for Interference Perception & Reduction in IRNSS Receiver	Dr.(Mrs.) S. N. Shah

Sr. No.	Name of Students	Topic	Guide
17.	Priyanka Lineswala	Multisensor Consistency and Network based switching authenticity for jamming in L5 & S Band	Dr.(Mrs.) S. N. Shah
18.	Monika Gambhir	Performance Analysis of Long Period fiber Graphics for Bio-Sensing Application	Dr. (Mrs.) S.Gupta
19.	Pradeep Tiwari	Facial Features and Speech A multimodal approach for stress identification	Dr. A. D. Darji
20.	Shailesh Gheewala	Fabrication of Porous Silicon Based Capacitive Sensor Devices for Different Chemical Detection	Dr. P. N. Patel
21.	Ratnesh Kumari	Design and Development of ENG Metamaterial Inspired Devices	Dr. P. N. Patel
22.	Ankita Chadha	Dysarthric Speech Recognition using RNN	Dr. M. A. Zaveri Dr. J. N. Sarvaiya
23.	Rotake Dinesh	Heavy Metal ion detection in water using MEMS	Dr. A. D. Darji
24.	Dhuda Hirenkumar	Design Of Bragg Reflector Notch Filter In D Band Frequency Range For Different Corrugation Geometry	Dr. P. N. Patel
25.	Sreeraj K. P.	Hyper spectral & Multi spectral image fusion using spectral unmixing	Dr.(Mrs.) J. N. Patel Dr. J. N. Sarvaiya
26.	Desai Mehulkumar V.	NAVIC/IRNSS Based Position Emendation using Dilution of Precision and Ionodelay	Dr.(Mrs.) S. N. Shah
27.	Pooja Bhamre	Designing MIMO Radar Waveforms	Dr. (Mrs.) S.Gupta
28.	Hetal Pathak	Novel Design and Development of GTECLL for Bandwidth Optimization	Dr. (Mrs.) S. N. Shah
29.	Vishal Chudasama	Image Processing using GANS	Dr. Kishor P. Upla
30.	Sruthi S.	Design and Implementation of Bio Impedance Spectroscopy Device for Wound Classification	Dr. (Mrs.) R. N. Dhavse Dr. J. N. Sarvaiya
31.	Lakhlani Avni	Background Subs traction using Compressive Sensing MOG	Dr. J. N. Sarvaiya Dr. (Mrs.) J. N. Patel
32.	Shah Raj	Performance Analysis of Grounded Gate SET	Dr. (Mrs.) R. N. Dhavse
33.	Gireesh Gaurav Soni	Optical Wireless Communication	Dr. A. S. Mandloi Dr. (Mrs.) Shilpi Gupta
34.	Chhaya P. Mehta	Bio Sensor for Pathogen Detection	Dr. (Mrs.) Shilpi Gupta Dr. A. S. Mandloi
35.	Solanki Mitesh S.	Massive MIMO	Dr. (Mrs.) S. Gupta
36.	Gandhi Divyangna N.	Review on EDFA	Dr. (Mrs.) S. Gupta
37.	Naveen Kumar Kabra	VLSI Realization of Modulo Multiplier	Dr. Z. M. Patel
38.	Varun Srivastava	Free Space Optical Communication	Dr. A. S. Mandloi
39.	Chandresh Sindal	Study of Various Experimental set up for Different Optical Biosensors	Dr. P. N. Patel
40.	Abhishek Tripathi	Optical Wireless Communication : An Emerging Technology	Dr. (Mrs.) Shilpi Gupta Dr. A. S. Mandloi
41.	Patel Heena	Literature Review of Image Fusion using Deep learning	Dr. K. P. Upla
42.	Prajapati Priyank	Real Time Implementation of Noise Cancellation System on FPGA	Dr. A. D. Darji
43.	Dhiraj Kumar Patel	Overview of Higher order Modulation formats for optical fiber Communication	Dr. A. S. Mandloi
44.	Patel Mehkumar Chhibabhai	A Review on Optical Communication & Networking	Dr. A. S. Mandloi
45.	Patel Virendra	Position Estimation of User in Association with Mufti-GNSS	Dr. (Mrs.) S. N. Shah
46.	Shinde Kalindi	Study of Fabrication and Characterization techniques for THz Solar Cell Applications	Dr. (Mrs.) S. N. Shah Dr. P. N. Patel
47.	Anjankar Shubham	Overview of Radiation Effects on Different IC Technology	Dr. (Mrs.) R. N. Dhavse
48.	Umaria Krupali	Application of Vedic Mathematic in Engineering and Technology	Dr. (Mrs.) S. N. Shah
49.	Prajapati Harshal Kanaiyalal	VLSI Circuits Design	Dr. Z. M. Patel
50.	Patel Bhoomika	5G Technology	Dr. (Mrs.) U. D. Dalal Dr. (Mrs.) Shilpi Gupta
51.	Sudhanshu	low pass filter design for portal equipment	Dr. R. N. Dhavse
52.	Anju Mahesh Gupta	Tribo electric Nanogenerator	Dr. A. D. Darji



**M. Tech. Dissertation completed during the year (2017-18)****Communication System (M. Tech, ECED, 2017-18)**

Sr. No.	Name of Candidate	Seminar Title	Guide
1.	Yateesh Dasila	Design & Implementation Of Acquisition And Tracking Algorithm For L5 Band Signal	Dr.(Mrs.) S. N. Shah
2.	Shabad Shashidar Reddy	Implementation Of Advertising Extension Feature On Bluetooth Controller	Dr.(Mrs.) S. Gupta
3.	Rashmitha Reddy M.	Smt Verification Support For Power Management Unit & Improve Coverage Using Machine Learning Tool	Dr.(Mrs.) S. N. Shah
4.	Ashutosh Kumar Sinha	Bluetooth Core Verification And Power Measurements	Prof. G. Santra
5.	Sharma Amitkumar S.	Next Generation Passive Optical Network	Dr. P. N. Patel
6.	Khobragade Ashish	Media Hardware Validation With Efficient Coverage Analysis Of Decoder Clips And HW Pipeline Insite	Dr. A.S. Mandloi
7.	GyanSagar Barik	Improved Performance With Fractal Antenna Design Implementation	Prof. G. Santra
8.	Nitin Eknath Garde	Dual Band Antenna Design For Wi-Fi And Bluetooth Application	Dr. P.N. Patel
9.	Shashi Ranjan	Hyperspectral Image Classification Using Supervised Learning	Dr. J. N. Sarvaiya/ Dr.(Mrs.) J. N. Patel
10.	Tailor Pawan K.	Ultra High-Speed Optical Communications Using WDM	Dr. A.S. Mandloi
11.	Shiv Kumar Yadav	Performance Analysis Of Detection Techniques In MIMO	Dr.(Mrs.) S. Gupta
12.	Kale Kiran S.	Optimum Filter Design For Cyclostationary Noise	Prof. P. K. Shah
13.	Ghodeswar Ashish B.	Design & Implementation Of Modified Planar Fit Method For Grid Based Ionodelay Model For L5 & S Band	Dr.(Mrs.) S.N. Shah
14.	Harshit Kanoujia	Pre Silicon RTLVerification Of Mixed Signal IPS	Dr. A. S. Mandloi
15.	Chandravijay Bharati	Factral Antenna	Prof. G. Santra
16.	Valvi Jignesh kumar R.	2-D Systems Modelling & Implementation For Application In Finance	Prof. P. K. Shah
17.	Amit Mehta	Bluetooth Low Energy [BLE] Mesh: Stack And Model Impleme	Dr.(Mrs.)U. D. Dalal
18.	Mahesh G. (Lt Commander, INS)	Simulation Of Optical And Acoustic Communications In Underwater Networks	Dr.(Mrs.)U. D. Dalal

**VLSI & Embedded System (M. Tech, ECED, 2017-18)**

Sr. No.	Name of Candidate	Seminar Title	Guide
01	Shrinath S. Shah	Standard Cell Placement Scheme	Prof. M. C. Patel
02	Ladda Priyanka R.	Performance Efficient Graphics Architecture Scaling	Prof. P.J. Engineer
03	Kakani Rama Krishna	Modelling An Event Handling Checker Using TLM	Dr. J. N. Sarvaiya/ Dr. A. D. Darji
04	Chelli Vijaya	Effective Integration Of Instrumentation Networks Using Ijtag For Test Access	Dr. A. D. Darji
05	Anurag Kumar M.	VHDL Implementation Of Turbo Decoder	Prof. M.C.Patel
06	Dubakula Ketavanya	Automation Of Timing Quality Checks For Next Generation Microprocessor	Dr. A. D. Darji
07	Waghmode Amol A.	VLSI Design Of A Serializer And Deserializer (Serdes) For On-Chip Transceivers	Dr. Z. M. Patel
08	Ansari Haris	Automation Of Layout Quality Checks For Next Generation Microprocessor	Dr. Z. M. Patel
09	Rithwij K.	Enabling UVM Based Validation Infrastructure For Media Scalar Fixed Function Units	Dr. Z. M. Patel
10	Thirumala Nagasuresh	High Speed Receiver	Dr. J. N. Sarvaiya/ Dr. A.D. Darji
11	Vempati CharanTeja	Physical Implementation Of High Speed And Low Power System Core Functional Block Units	Dr. A.D. Darji
12	Gaurav Gautam	Designing A Stable PSV Filter & It's Implementation Using FPGA.	Prof. P. K. Shah
13	Patel Divyesh kumar S.	FPGA Implementation Of Software Defined Networking With Openflow	Prof. P.J. Engineer
14	Megha Patel	Simulation Of Quantum Dot Based Single Electron Transistor Using TCAD	Dr.(Mrs.) R.N. Dhavse
15	Keshav A. Patil	Simulation Of Single Electron Transistor With Top Gated Structure And CMOS Compatibility	Dr.(Mrs.) R.N. Dhavse

## **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.

### Proposed Plan for Research

- Minor research project proposal on “A Critical Study Leading to the Development of Sustainable Manufacturing Practices Framework in Context to Small & Medium Enterprises of Gujarat State” submitted to Gujarat Council on Science & Technology (GUJCOST) (Department of Science & Technology), Government of Gujarat, **Principal Investigator: Dr. Tushar N. Desai and Co-Principal Investigator: Dr. Ravi Kant, proposed budget Rs. 4,93,851/- (MED/197 dated on 25/04/2017).**
- Investigations and thorough analysis of following broad topics: Weld-ability of advanced materials, surface modification techniques, welding of dissimilar materials by **Dr. V. D. Kalyankar.**
- **R. V. Rao:** Development and applications of new optimization techniques and their engineering applications

## 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, CRRRI, 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

- Dr. (Mrs).U. D. Dalal did industrial visit to Lexus-soft MAC (Diamond Industry, Surat) on 1<sup>st</sup> September 2017 for project collaboration.
- Three days international conference ICFITT-2017 sponsored by DRDO, Keysight, EAI (European Alliance for Innovation) on 31<sup>st</sup> August, 1-2 September 2017 and Invited speech from Dr. Ahcene Bouncer-Brest University, France, Mr. Mombasawala- General Manager Keysight Technologies India Pvt. Ltd. Dr. Lalitkumar Singh-Scientist, NPCIL-BARC, Dept of Atomic Energy in ICFITT-2017.
- One day workshop on IoT conducted by Innovians Technology on 31<sup>st</sup> August 2017.
- MOU extension with ISRO for IRNSS Navigational system and additional IRNSS Mobile Unit given to department by ISRO.
- Open Gov Data Hack-Hackathon was organized with Surat Municipal Corporation (SMC) on 23-24 September 2017.
- PG/UG educational tour at ISRO Space Application Center, Bangalore by Dr.(Mrs.) S.N.Shah and Dr.(Mrs.) Kirtilnamdar on 6<sup>th</sup> October 2017.
- Dr. (Mrs.) S.N.Shah visited Thailand for International course on Global Navigation satellite System.
- Under Media LabAsia ‘Vishveshwariya Ph.D scheme for Electronics & IT’ sponsored by DEITY Ph.D scholar got admission & continued.
- Dr. Surendra Sunda, manager (GAGAN), Airport Authority India, GAGAN Lab at SAC(ISRO) Ahmedabad in the penal of RPS.
- Hireen Dhudha works as Researcher in IPR – ITER, Gandhinagr, India.
- Department received 100 Nos. of Keil ARM MDK licenses (ARM Ltd.) for 1 year (From 23 November-2017 to 22 November, 2018). MoU with Indian Navy INS, Valsura continued.

**COMPUTER ENGINEERING DEPARTMENT**

Sr. No	Student Name	Name of Industry	Work of Nature (Internship)	Date Duration
1	Aishwarya Agarwal	JPMC	Internship	May-June-2017
2	Vaibhav Agrawal	JPMC	Internship	May-June-2017
3	Vidhi Gandhi	JPMC	Internship	May-June-2017
4	Dhrumil Joshi	JPMC	Internship	May-June-2017
5	Tulasi Rohit Kaduru	JPMC	Internship	May-June-2017
6	Charmi Khambhati	JPMC	Internship	May-June-2017
7	Vatsal Mehta	JPMC	Internship	May-June-2017
8	Sairam Naragoni	JPMC	Internship	May-June-2017
9	Bharghvi Prajapati	JPMC	Internship	May-June-2017
10	Kothi Shalini Reddy	JPMC	Internship	May-June-2017
11	Amandeep Tiwary	JPMC	Internship	May-June-2017
12	Yugank Trivedi	JPMC	Internship	May-June-2017
13	Vatsavayi Sandeep Varma	JPMC	Internship	May-June-2017
14	Aakash Vora	JPMC	Internship	May-June-2017
15	Pooja Suthar	JPMC	Internship	May-June-2017
16	Vikas Bhati	UHG - Optum	Internship	May-June-2017
17	Shubham Bagrecha	UHG - Optum	Internship	May-June-2017
18	Mansi Jain	UHG - Optum	Internship	May-June-2017
19	Modi Samarth	UHG - Optum	Internship	May-June-2017
20	Apurva Tripathi	Ugam Solutions	Internship	May-June-2017
21	Deepanshu Sharma	Ugam Solutions	Internship	May-June-2017
22	Karthik Kini	Ugam Solutions	Internship	May-June-2017
23	Pratiti Tapasvi	Ugam Solutions	Internship	May-June-2017
24	Jay Bhairaviya	Amazon India	Internship	May-June-2017
25	Karan Juneja	Amazon India	Internship	May-June-2017
26	Simaran Bawkar	Amazon India	Internship	May-June-2017
27	Jyothi Chavva	Amazon India	Internship	May-June-2017
28	Tanishka Khatri	Amazon India	Internship	May-June-2017
29	Swapnil Patel	Amazon India	Internship	May-June-2017
30	Anas Sayed	Amazon India	Internship	May-June-2017
31	Bhavin H. Chudsama	Amdocs, Pune	Internship	May-June-2017
32	Arpen Lad	Amdocs	Internship	May-June-2017
33	Karan Dhama	Amdocs	Internship	May-June-2017
34	Parth Pravinbhai Parmar	Amdocs	Internship	May-June-2017
35	Nilay Patel	Amdocs	Internship	May-June-2017
36	Jigar Prajapati	Amdocs	Internship	May-June-2017
37	Priyansh Zalavadiya	Amdocs	Internship	May-June-2017
38	Jasmin Nasit	Amdocs	Internship	May-June-2017
39	Jay Dudhat	Amdocs	Internship	May-June-2017
40	Swati Bothra	Amdocs	Internship	May-June-2017
41	Shailesh Baldaniya	Amdocs	Internship	May-June-2017
42	Hunsi Ashar	Mastercard	Internship	May-June-2017
43	Ruchit Patel	Mastercard	Internship	May-June-2017
44	Shailja Shah	Mastercard	Internship	May-June-2017
45	Archi Patel	Mastercard	Internship	May-June-2017
46	Aksh Patel	Mastercard	Internship	May-June-2017
47	Nirav Bharadiya	Mastercard	Internship	May-June-2017
48	Ayman Patel	Mastercard	Internship	May-June-2017
49	Madhuri Patil	Investosure	Internship	May-June-2017
50	Divyani Mittal	Investosure	Internship	May-June-2017
51	Pranaya Padmata	Investosure	Internship	May-June-2017
52	Rishit Dholakia	Pucho Technology	Internship	May-June-2017
53	Richa Randeria	Thingscloud	Internship	May-June-2017
54	Animesh Panara	Microsoft	Internship	May-June-2017

**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.

## 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 woman, 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
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>Ms. Sharmila Mande</b> Chief Scit. R&D, Bio Science, Pune
08	Director of the One of the IIT to be nominated by Central Government.	Member	<b>Prof. Pranab Kumar Mohapatra</b> Prof. CED, IIT, Gandhinagar
09 10	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
11	Director of the Institute – Ex-officio	Member	<b>Dr. S.R. Gandhi</b> Director, SVNIT, Surat
12	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	Member
06	<b>Shri B.J. Sawani,</b> Dy. Registrar (A/Cs), SVNIT, Surat	Member
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>	<b>The Selection Committee for recruitment of Academic Staff (Excluding the Director and the Deputy Director) or for promotion shall be as under:</b>		
	(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 FINANCIAL STATUS:

### 7.1 Analysis of Plan and Non Plan Grants (Received) (Rs. in lacs)

Source of Fund	Non-Plan Grant (Recurring)					Plan Grant (Non-Recurring)				
	13-14	14-15	15-16	16-17	17-18	13-14	14-15	15-16	16-17	17-18
Ministry of HRD (Direct Receipt)	4500.00	4299.52	6900.00	4200.00	2950.00	8973.75	5800.00	4500.00	6700.00	3974.00
DST Project / BRNS Project	34.15	24.90	280.92	421.60	144.16	--	--	--	--	-
CSIR & Other Project	88.72	145.74	255.86	89.29	803.22	--	--	--	--	-
Tuition Fee & other fee	1290.98	1433.99	1155.90	3079.29	3323.52	--	--	--	--	-
Testing / Consultancy / Research Project (OH) 18.5% / 12% / 50% of receipt respectively.	51.47	116.10	341.28	85.74 (*)	139.55 (**)	--	--	--	--	-
Other Receipt & Rent from Staff Qtrs., Bank / Hostel / Post Office / Canteen	174.90	193.10	199.63	423.53	236.14	--	--	--	--	-
<b>TOTAL</b>	<b>6140.22</b>	<b>6213.35</b>	<b>9133.59</b>	<b>8299.45</b>	<b>7596.59</b>	<b>8973.75</b>	<b>5800.00</b>	<b>4500.00</b>	<b>6700.00</b>	<b>3974.00</b>

(\*) Testing / Consultancy – 18.5% / 12% of receipt respectively.

(\*\*) As per Reso. No.3 of minutes of 5<sup>th</sup> meeting of ICSR Board held on 26<sup>th</sup> April, 2019.

### 7.2 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

### 7.3 Expenditure position for the year 2017-18 (Rs. in lacs)

Financial Year	2013-14	2014-15	2015-16	2016-17	2017-18
Recurring (Non Plan) Expenditure	6182.89	6954.13	7332.41	7909.04	9698.77
Non Recurring (Plan) Expenditure	10159.08	9347.63	8407.00	520.87	828.40
DST Projects / BRNS Projects	81.30	58.50	42.93	129.15	123.36
CSIR & other Projects	69.08	110.65	94.80	144.88	472.88
<b>TOTAL</b>	<b>16492.35</b>	<b>16470.91</b>	<b>15877.14</b>	<b>8703.94</b>	<b>11123.41</b>

## 8.0 CENTRAL FACILITIES AND SERVICES

### 8.1 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.

## 8.2 Central Library

The Central Library is one of the key central facilities of the Institute. The primary goal of the library is to support the educational, research and innovation programs of the institute by providing physical and intellectual access to information.

The Library is well-managed and acts as the knowledge hub of the entire institute. It has a rich and comprehensively high quality of information resources in the field of Science and Technology. It serves as a creative and innovative partner in supporting the teaching, learning and research activities of the institute and contributes significantly to the Institute's mission of academic excellence.

In 2017 the institute library is shifted to its new building. The new library building is planned on modular principles based on the requirements of the institute library. It has three spacious floors. The new library building is fully air conditioned and occupied with three lifts operating in the building. For the better security library building is integrated with RFID system, CCTV camera and fire alarm system.

The unique feature of this library building is "Green library building" Louvers are provided on three side of walls, semitransparent dome at centre of building and roof is installed with solar panels.

The collection of resources has been methodically developed through the years. During the year (2017-2018) under report the following were added to the library.

Particulars of Reading Materials	Numbers
Books	299
Gift Books	82
Research Proceedings	05
E-Books	79
Book Bank Books	00
Standards	00
Bound /Back Volumes (Print)	00
Bound /Back Volumes (Online)	00
Dissertation (Print)	515
Dissertation (Online)	00
Photo Copies	00
Video Cassettes	00
CD ROM (Purchased)	41
CD ROM (Along with Books & Journals)	117
Floppy Disks	00
Audio Cassettes	00
Print journals subscribed	64
Online individual journal titles subscribed	45
<b>CD-ROM Databases Available: ASME Standards (Except BPVC), British Standards: ASME Standards (Except BPVC) British Standards : Euro code, British Standards [5 Module], Indian Standards, International Electro Technical Commission (IEC) Standards</b>	

**E-resources provided by the E- Shodh Sindhu Consortium during Jan-Dec 2016**

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

**Online journals/ standards subscribed through publishers/various agency:**

American Chemical Society (56 Journals), American Concrete Institute Journals (ACI MCP) 4 Journals + MCP package, American Institute of Physics (19) American Mathematical Society (16 Journals), ASCE proceedings (174 Volumes), Institute of Civil Engineers (ICE) journals package (36 Journals), ProQuest Science Journals (1620 Journals), Royal Society of Chemistry (36 Journals),

Science Direct Eight subject collection (1103), Springer Veriag's Link (1400+) Taylor & Francis five subject collection (302 Journals)

**Total Nos. of Online Journals: 4766+**

**Online Databases :** ASTM Standards, MathSciNet Database, Mc-Graw Hill access engineering database, Turnitin Plagiarism detection online software

The total number of books, volumes and electronics documents in the library at the end of the year, (2017-18) are as under:

Particulars of Reading materials	Numbers
Books (Purchased)	77187
Gift Books	9382
PDDC Books purchased Separately	3856
Book Bank Books	7402
<b>Total No. of Books</b>	<b>97827</b>
<b>Particulars of other reading materials except Books</b>	
Research proceedings	672
Standards	15844
Bound / Back Volumes (Print)	8754
Bound / Back Volumes (Online)	5395
Dissertation (Print)	3839
Photocopies	484
<b>Total No. of other Reading materials except Books</b>	<b>34988</b>
<b>Actual Total No. of Volumes (Including Books)</b>	<b>132815</b>
<b>ELECTRONIC DOCUMENTS</b>	
Video Cassettes	1045
CD ROM (Purchased)	869
CD ROM (Along with Books & Journals)	3471
Floppy Diskettes (Along with Books)	656
Audio Cassettes	18
E-Books	9715
<b>Total No. of Electronic Documents</b>	<b>15774</b>
Print journals subscribed	64
Online individual journal titles subscribed	45

**CD-ROM Database Available:** SAE Technical Papers, SAE Emission Technology Collection, SAE SAE Technical Papers, SAE Emission Technology Collection, SAE Diesel Engines Technology Collection, SAE Spark- ignition Engines Technology Collection, SAE Vehicle Dynamics Technology Collection, Dissertation Abstract, EI Compendex, Chemical Engineering & Biotechnology Abstracts, Environmental Chemistry, Health & Safety, International Mechanical Abstracts, INSPEC, ICONDA, Indian Standards, Indian Patents, ASME Standards, IEC Standards, ISO Standards, British Standards (5 Module), British Standards (EUROCODE), Britannica Encyclopedia, International Union of Railways Standards.

**E-resources provided by the E- Shodh Sindhu Consortium during Jan-Dec 2016**

ACM Digital Library, All Society Periodicals Package (ASPP) & 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

**Online journals/ standards subscribed through publishers/various agency:**

20 online back files of journals subscribed from John Wiley & 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 & Francis five subject collections (302 Journals), Science Direct (696 Journals). Springer Verlag's Link (1400+), Sage Social Science premier package (24 journals), American Physical Society (13 journals),

**Total Nos. of online Journals : 8488+**

**Other Online Databases**

ASTM Standards, IEEE, MathSciNet Database, Mc-Graw Hill access engineering online database Turnitin Plagiarism detection online software

The total equipment available in the library is listed below:

Sr. No.	Name of the Equipment	Quantity
<b>Computer</b>		
01	Desktop computers HP i7,7700 PC, RAM 8GB DDR4,1TB HDD	40
02	Desktop computers Dell Optiplex 990, 4 GB RAM, 64 bit, 310 Ghz.	15
03	Desktop computers 2 Duo, Model –Dell , CPU: Due E7500, Memory 4GB DDR2	04
04	IBM Highend Server Xseries 226 Intel Xeon 2.8 Ghz dual processor 2 GB	01
05	IBM Think center S50U Intel Pentium 3.0MHz	01
06	Laptop HP Compaq nx6120	01
07	HP Compaq EVO DX 6100 Intel Pentium 4, 3.0 HT	04
08	Pentium 4, 2.6 GHz. HCL infinity GL1400	01
09	Desk Top B HCL infinitive pro Pentium 4 80 GB Hard disk	06
10	HCL INFINITY 2000 20 GB HD 128 MB RAM	01
<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.3,07,61,093.00 (LOC Fund)

In addition to LOC fund an amount of Rs.6,17,942,00.00 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.

**8.3 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

#### **8.4 Centre for Continuing Education (CCE):**

Centre for Continuing Education (CCE) was established in Feb. 2017 at SVNIT with prime objective to imparting skill developing training programmes, Value added courses to Faculty, Research Scholar, UG/PG students and Industry Professional through planning and organizing Workshop / Short Term Training Programme / Events / Expert talk / Conference on regular basis and on the concept of Self-Sustainability approach as per the MHRD Guidelines. In the year 2017-18 the following 28 programs are conducted under the CCE roof.

#### **Duration : (Feb. 2017 – March 2018)**

Total No. of Training Programs approved through CCE	: 31
Total No. of Training Programs completed till end of March 2018.	: 28
STTP	: 22
Seminar	: 02
Workshop	: 03
Expert Lecture	: 01
Total No. of Participants till end March 2018	:
Industry	: 324
Faculty	: 297
Students	: 508
Total No. of participants	: 1129

Sr. No.	Details of Programme / Workshop / Event / Conference	Fund Resources	Expert Resources		Number of Participants			
			SVNIT	Others	Industry	Faculty	Students / Research Scholar / PG	Total
01	STTEP on Skill Development Training Programme : Fives & Work place Management, Industrial Safety and Maintenance practice & TPM organised by Inter Disciplinary - Dr. D.V. Bhatt and Prof. D.B. Gohil CCE-MED, SVNIT during 16-20 March 2017	TEQIP-II	01	04	-	-	35	35
02	Seminar on Yuva Sanskar Shibir 2017 organized by Dr. S G. Shah Medical Officer Medical Services, SVNIT during 13-14 May 2017	Self Sustained	-	14	-	-	56	56
03	STTP on Skill Enhancement in Engg. Of Foundation & Structure Interaction organized by Dr. C.H. Solanki, AMD, SVNIT during 18-19 May 2017	Reliance	05	02	40	-	-	40
04	Seminar on Pile Foundations – Advances in Design Construction Process organized by Dr. C.H. Solanki AMD, SVNIT during 27-28 May 2017	Self Sustained	02	12	25	100	25	150
05	STTP on Internet of Things & its Applications organized by Dr. M.A. Zaveri COED, SVNIT during 5-10 Jne 2017	MeitY, MHRD, GOI	05	-	-	30	-	30
06	STTP on Microcontroller based Power Electronics System Implementation organized by Dr. M.A. Mulla and Dr. R.Chudamani EED, SVNIT during 14-18 Aug. 2017	CDAC Thiruvananthapuram	03	07	03	30	37	70
07	Expert Lecture on Challenges in Mega Structure organized by Dr. C.H. Solanki AMD, SVNIT during 15 Sept. 2017	Aditya Birla (Ultra Tech Cement)	-	01	150	10	10	170
08	STTP on Practical approach on soft computing organized by Dr. S.R. Suryavanshi and Dr. Shailendra Kumar AMD, SVNIT during 6-10 Nov. 2017	Self Sustained	06	01	-	02	21	23
09	STTP on Tools for Life Long Research organized by Dr. G.D. Kale, Dr. A.V. Doshi and Dr. Bade Mukund Inter Disciplinary CED – MED during 11-15 Nov. 2017	Self Sustained	07	01	-	02	18	20
10	STTP on Elementary Course on Experimental Research organized by Dr. S.R. Suryavanshi, Dr. S Kumar and Dr. B. Kondraivendhan AMD, SVNIT during 13-17 Nov. 2017	Self Sustained	10	-	-	03	17	20
11	STTP on Modeling of Engineering Structures in FEA – Softwares organized by Dr. S.R. Suryavanshi, Dr. Shailendra Kumar, Dr. Shruti Shukla AMD, SVNIT during 20-24 May 2017	Self Sustained	09	-	-	12	08	20
12	STTP on “C” Programming for Engineers organized by Dr. D.P. Rana and Dr. R.G. Mehta COED, SVNIT during 4-8 Dec. 2017	Self Sustained	06	-	-	03	18	21
13	Workshop on Paper & Article writing using LaTeX organized by Dr. Kishor Upla and Dr. Shilpi Gupta ECED, SVNIT during 10-14 Dec. 2017	Self Sustained	02	01	-	-	18	18
14	STTP on Advanced “C” Programming for Engineers organized by Dr. D.P. Rana and Dr. R.G. Mehta COED, SVNIT during 11-15 Dec. 2017	Self Sustained	06	-	-	03	24	27
15	STTP program on Resilient and sustainable infrastructure system (GIAN) organized by Dr. D.A. Patel, CED, SVNIT during 18-22 Dec 2017	GIAN	-	03	12	19	44	75
16	STTP on Power Quality & Distributed Power Generation organized by Dr. Khyati D. Mistry, Ms. Chandani P. Gor, EED, SVNIT during 20-24 Dec. 2017	Self Sustained	06	02	-	14	08	22
17	Workshop on Advancement in wireless and Optical Communications organized by Dr. Kishor Upla and Dr. Shilpi Gupta, ECED, SVNIT during 21-25 Dec. 2017	Self Sustained	03	05	-	07	10	17
18	STTP on Recent Trends in Networking & IOT organised by Dr. Krupa Jariwala, COED, SVNIT during 26-30 Dec. 2017	Self Sustained	04	02	-	12	20	32
19	Workshop on LaTeX training organised by Dr. Kishor Upla, ECED, SVNIT during 26-30 Dec. 2017 (19-23 Jan 2018)	Self Sustained	02	-	-	-	12	12
20	STTP on Advanced Analog and Digital VLSI Design organised by Dr. A.D. Darji, Dr. Z.M. Patel, Mr. P.J. Engineer and Dr. R.N. Dhavse, ECED, SVNIT during 26-30 Dec. 2017	Self Sustained	04	-	-	10	10	20
21	STTP on Web Programming Technologies organised by Dr. D.P. Rana, Dr. K.N. Jariwala & Dr. R.G. Mehta, COED, SVNIT during 1-5 Jan. 2018	Self Sustained	08	02	-	11	04	15
22	STTP on Natural Language Processing & its Applications organised by Dr. Krupa Jariwala and Dr. R.G. Mehta, COED, SVNIT during 8-12 Jan. 2018 (extended 24 <sup>th</sup> to 28 <sup>th</sup> Jan 2018)	Self Sustained	06	04	-	05	52	57
23	STTP on Environment Audit Made Easy organised by Dr.A.K. Khambete & Dr. N.D. Jariwala, CED, SVNIT, Surat during 17-21 Jan. 2018	Self Sustained	06	09	48	-	-	48
24	STTP on Environment Audit Made Easy : Basic & Analytical Test Procedure conducted by Dr. R.A. Christian and Dr. K.D. Yadav, CED, SVNIT, Surat during 17-21 Jan. 2018	Self Sustained	06	09	46	-	-	46
25	STTP on FEM Simulation of Prototype Testing conducted by Dr. Suryawanshi S.R. and Dr. Shailendra Kumar, AMD, SVNIT during 27-31 Jan. 2018	Self Sustained	07	-	-	04	13	17
26	STTP on Recent Advances in Communication Networks & Systems organised by Dr. Z.M. Patel, Dr. A.S. Mandloi and Dr. S.N. Shah, ECED, SVNIT during 27-31 Jan. 2018 (Extended by 2 to 6 Feb. 2018)	Self Sustained	04	-	-	-	09	09
27	STTP on Life Long Research – III organized by Dr. Bade Mukund H. and Dr. Doshi Ashish V., MED, SVNIT during 5-9 March, 2018	Self Sustained	15	02	-	12	13	25
28	STTP on Application of Soft Computing Technique in Civil Engg. Organised by Dr. S.M. Yadav, CED, SVNIT during 12-16 March 2018	Self Sustained	03	07	-	08	26	34
		<b>TOTAL</b>	<b>136</b>	<b>88</b>	<b>324</b>	<b>297</b>	<b>508</b>	<b>1129</b>

## 9.0 NOTABLE ACHIEVEMENTS

### 9.1 Achievements by Faculty and Students:

<b>APPLIED PHYSICS DEPARTMENT</b>
<ul style="list-style-type: none"> <li>• Dr. Y. A. Sonvane received SERB-DST project titled "Novel perovskite-based solar cells: Investigation of potential properties using ab-initio approaches" in May 2017.</li> <li>• Dr. Y. A. Sonvane received "Young Scientist Achiever Award" in Second International Conference on Condensed Matter and Applied Physics, Bikaner Rajasthan at 24-25 November 2017</li> <li>• Become <b>Member of Editorial Board</b> in the <b>International Journal of Materials Science and Applications</b> (Science Publishing Group New York, U.S.A.)</li> <li>• Become <b>Member of Editorial Board</b> in the <b>Journal of Materials Sciences and Applications</b> (American Association for Science and Technology (AASCIT), New Castle De 19803 USA)</li> <li>• Our Department has been identified for the programme FIST 2018 and has received 1.18 Cr under the scheme for 5 Years</li> </ul> <p><b>Students Achievements:</b></p> <ul style="list-style-type: none"> <li>• Sailesh inch – GATE qualified</li> <li>• Vijay Dabhi – NET qualified</li> </ul>
<b>APPLIED CHEMISTRY DEPARTMENT</b>
<ul style="list-style-type: none"> <li>• Brainpool Scientist in 2017 from Korean Federation of Science and Technology Societies, South Korea</li> <li>• Dr. Bharatkumar Z Dholakiya appointed as Schedule-I Environmental Auditor by Gujarat Pollution Control Board (GPCB), Gandhinagar from 09/03/2017.</li> <li>• Appointed as Nodal Officer and Coordinator of RashtriyaAvishkarAbhiyan (RAA).</li> </ul>
<b>APPLIED MATHEMATICS &amp; HUMANITIES DEPARTMENT</b>
<p><b>Achievements by faculties :</b></p> <ol style="list-style-type: none"> <li>1) <b>Dr. R. K. Meher</b> : Received an Inspiration talk award and best presentation award in the field of oil recovery process in International Conference on Advances in Mathematics, Statistics &amp; Computer Science Dubai 2018 during 09-10 Feb, 2018.</li> <li>2) <b>Dr. H. P. Bulsara</b> : Delivered a keynote speech on: Commercialization of Technology Innovations - Issues and challenges and acted as a Session chair in the 6th International Conference on Economics, Business, Human Resources and Management (EBHRM-2017) during May 10-11, 2017 at Dubai (UAE)</li> <li>3) <b>Dr. H. P. Bulsara</b> : Delivered a keynote speech on: Commercialization of Technology Innovations - Issues and challenges in the 4th International Conference on Literature, History, Humanities and Social Sciences (LHSS-2017) during 8-9 September, 2017 at Singapore</li> <li>4) <b>Dr. H. P. Bulsara</b> : Delivered a keynote speech on: Commercialization of Technology Innovations - Issues and challenges and acted as a Session chair in the 7th International Conference on Business, Education, Law and Sustainable Development (BELSD-17) during 10 – 11 September, 2017 at Singapore</li> <li>5) <b>Dr. H. P. Bulsara</b> : Delivered a keynote speech on: Commercialization of Technology Innovations - Issues and challenges and acted as a Session chair in the 6th International Conference On Literature, Humanities, Education, Business, And Corporate Social Responsibilities (LHEBC-2017) during 12 – 14 September, 2017 at Batam, Indonesia</li> <li>6) <b>Dr. H. P. Bulsara</b> : Delivered a keynote speech on: Commercialization of Technology Innovations - Issues and challenges and acted as a Session chair in the 9th International Conference on Education, Business, Humanities and social Sciences Studies (EBHSSS – 17) during 27 – 28 November, 2017 at Parys, South Africa</li> </ol> <p><b>Achievements by students :</b> Mr. Sourav Majumdar – CAT qualified from IIM, Ahmedabad</p>

<b>APPLIED MECHANICS DEPARTMENT</b>	
Organized 01 International Conference in Geotechnical Engineering during December, 1982 Organized 02 National Conferences Organized 10 summer school/winter school/work shop 06 Ph. D. + 400 M. E. / M. Tech. Dissertations supervised by the faculties 01 book published by Dr. J. A. Desai & Dr. B. B. Mistry on Engineering base	
<b>Prof. A. K. Desai</b>	<ul style="list-style-type: none"> <li>• “<b>Hari Ohm Ashram Bhaikaka Gold Medal</b>” for getting First position in South Gujarat University, in B.E. Final (Civil). Given by Governor of Gujarat State.</li> <li>• “<b>Contractor Association Gold Medal</b>” for above achievement. Given by Chief Minister of Gujarat State.</li> <li>• “<b>Silver Medal</b>” given by Anavil Trust for above achievement.</li> <li>• Award given by Principal, SVRCET for getting First Position in B.E. Third Civil.</li> <li>• Merit Scholarship for study from 1979-1983 with First Class Distinction in all semesters of B.E. (Civil) and Three semester of M.E. (Structural Engg.)</li> <li>• Got second Position in Surat Center in “<b>ARYA BHATT -Science Talent Research Exam</b>”.</li> <li>• Best research paper Award by “<b>Hari Ohm Ashram PreritBhaikaka Inter University Smarak Trust</b>” year <b>2006 – 2007</b>.</li> </ul>
<b>Mr.A J Shah</b>	<ul style="list-style-type: none"> <li>• Organised course on – Risks to information act Act- 12/5/18</li> <li>• Organised- Swatchata – Pakhwada and workshop – IIT Hyderabad</li> </ul>
<b>Dr.Satyajit Patel</b>	<ul style="list-style-type: none"> <li>• Received the <b>best session paper award</b> for the research paper entitled “Feasibility of lime stabilized expansive soil as a subbase material for flexible pavements” in the 8<sup>th</sup> Int. Conference on Electrical, Electronics and Civil Engg., Dubai, January, 2016</li> </ul>

<b>CIVIL ENGINEERING DEPARTMENT</b>	
NIL	

<b>CHEMICAL ENGINEERING DEPARTMENT</b>	
<b>RESEARCH PROJECTS</b>	
<ol style="list-style-type: none"> <li>1. Dr. V.N. Lad, Dr. Z.V.P. Murthy had received (Rs.5.10 Lacs) from Gujarat Council on Science and Technology (GUJCOST), Department of Science and Technology, Gujarat, for Studies on interfacial characteristics of liquid - liquid system, (2016-2018).</li> <li>2. Dr. Jignasa V. Gohel had received project, (Rs. 16.32 Lakhs) from DST-SERB Government of India, New Delhi for Synthesis and characterization of semiconductor/oxide materials for cost effective perovskite solar cell modules for 3 years (2017-2020).</li> <li>3. Dr. (Mrs.) Alka A. Mungray had received (Rs. 28.46 Lakhs) from DST-SERB Government of India, New Delhi for The near future air cathode Osmotic microbial fuel cell (OMFC)for wastewater treatment, electricity generation and pure water extraction for 3 years (2018-2021).</li> </ol>	
<b>PATENTS GRANTED (01)</b>	
<ul style="list-style-type: none"> <li>• European Patent No. EP2434994 Title: Re-establishment of blood flow in blocked human arteries by transferring nano-encapsulated drug through medical devices, designed for the same and releasing the nano-encapsulated drug in human artery with body pH.</li> <li>• Inventors: Manish Doshi; Divyesh Sherdiwala; Prakash Sojitra; Ashwin Vyas; Pankaj Gandhi; Zagabathuni Panchakshari Murthy; Patent Granted Date: 24.11.2017 (Communication of intention to grant a patent).</li> </ul>	
<b>PATENTS APPLIED (01)</b>	
Indian Patent Application no.: 201821003182. Title: PPEA/MAA active layer containing Forward osmosis membrane and a method of preparing thereof.	
Applicants: Dr. Alka A. Mungray; Pankaj M. Pardeshi; Date of Filing: January 29, 2018	
<b>VISITING SCIENTIST/VISITING FELLOW</b>	
<ul style="list-style-type: none"> <li>• Dr. M.Chakraborty has received Humboldt Re-invitation Fellowship, University of Kaiserslautern, Germany, May 15, 2017 to July 15, 2017.</li> <li>• Dr. Mausumi Mukhopadhyay was Visiting Scholar in Department of Chemical and Material Engineering, University of Idaho, USA from 15th May, 2017 to 14th July, 2017.</li> <li>• PhD/M.TECH THESIS EVALUATION OF OTHER INSTITUTE</li> <li>• Dr. Z. V. P. Murthy had evaluated Ph.D. Thesis of Mr. Pradnya Dayaram Meshram, titled Development of hybrid technology to control fouling on ultrafiltration membrane filters for University of Madras, Chennai (August 2017).</li> <li>• Dr. Z. V. P. Murthy had evaluated Ph.D. Thesis of Mr. Ajay Kumar Paliki, titled Sol-gel synthesis and characterization of graphene oxide hybridized metal tungstates (M = Zn, Cu): Applications in photocatalytic, organic transformations and antibacterial activity studies for Andhra University, Visakhapatnam (August 2017).</li> <li>• Dr. Meghal A. Desai had evaluated M.E. Dissertation at for Shroff S R Rotary Institute of Chemical Technology (SSRRICT), Ankleshwar on 27/02/2018.</li> <li>• Dr. M. Chakraborty External Examiner for PhD Thesis Evaluation of GTU titled Energy and Value added Products from Marine Biomass and Wasteland Derived Biomass (En No. 139997105007 dated 08/02/18).</li> </ul>	

- Dr. Z.V.P. Murthy was in Ph.D. Candidates Performance Review Committee Member in Gujarat Technological University, Ahmedabad during 4-5<sup>th</sup> April, 2018.
- Dr. Mausumi Mukhopadhyay was in Ph.D. Candidates Performance Review Committee Member in Gujarat Technological University, Ahmedabad during 4-5<sup>th</sup> April, 2018.

#### **PROJECT PROPOSAL EVALUATED /PAPER SETER ETC.**

Dr. Z. V. P. Murthy was Paper Setter for PhD Entrance Test (PET) of The M. S. University of Baroda.

#### **EDITORIAL BOARD MEMBER**

Dr. Z. V. P. Murthy is a Editorial Board Member of following journals:

- "Waste and Biomass Valorization" Journal (Springer, since 2009)
- "Athens Journal of Technology and Engineering" [Athens Institute for Education and Research (ATINER), Greece, since 2016].
- "Athens Journal of Sciences" (ATINER, Greece, since 2016).

**Dr. Mausumi Mukhopadhyay, Dr. V. N. Lad, Dr. Chetan M. Patel, Dr. Z. V. P. Murthy,** Guest Editor for Separation Science and Technology (Taylor & Francis, USA)

#### **OTHER ACHIVEMENS**

- Dr. Z.V.P. Murthy is nominated as a Member of Board of Studies (Chemical Engineering) of P. P. Savani University, Surat.
- Dr. Sanjay R. Patel won Best Paper Award on 26<sup>th</sup> February 2018 in 20<sup>th</sup> International Conference on Applied Chemistry and Chemical Engineering under the Conference Awards Scheme, in paper by Sanjaykumar R. Patel, Parth Kayasth, entitled Ultrasound Assisted Cooling Crystallization of Lactose Monohydrate, published in Conference proceedings, 20 (2), pp. 415-418 held in Bangkok, Thailand, February 08-09, 2018.
- Dr. Meghal A. Desai won Best Paper Presentation Award, Extraction of natural colorant from the flowers of Flame of Forest using ultrasound, in 20<sup>th</sup> International Conference on Applied Chemistry and Chemical Engineering (WASET); Bangkok, Thailand; February 2018.
- Dr. Meghal A. Desai had Session Chaired in 20<sup>th</sup> International Conference on Applied Chemistry and Chemical Engineering (WASET); Bangkok, Thailand; February 2018.

#### **CONSULTANCY WORK**

Dr. Z. V. P. Murthy and Dr. V.N. Lad did Consultancy for M/S. Hindustan Chemicals Company, GIDC, Olpad-394540, Surat. (Rs.59,40).

### **COMPUTER ENGINEERING DEPARTMENT**

Sr. No	Name of Event	Rank and name of group/ Students (B.Tech. III and IV)	Period
01	ACM Summer Challenge	1. Nikunj Khokhar 2. Anupama Rudra 3. Abhinav Jain	May 2017
02	Inception 2.0	1. Parthav Patel 2. Sourabh Varshney 3. Vidhey Joshipura	July 2017
03	Epiphany 7.0	1. Karan Juneja 2. Nikunj Khokhar 3. Jigar Prajapati	Sept 2017
04	Epiphany 7.1	1. Nikunj Khokhar 2. Karan Juneja 3. Shantam Agarwal	Nov 2017
	2x10 Relay	1. Nikunj Khokhar and his team	Nov 2017
05	Codewars	1. Karan Juneja and his team 2. Shubham Gupta and his team 3. Nikunj Khokhar and his team	Nov 2017
06	Tech IQ	1. Monil Lakdawala and Samarth Shah 2. Vineet Bhat and Amrit Kumar Singh 3. Abhishek Kumar and Dhruvraj Jadeja	Nov 2017
07	Designer Hunt	1. Ankit Agja and Apurva Randeria 2. Shraddha Agrawal and Aditya Jaiswal	Nov 2017
08	ICPC regionals selected teams (International)	1. Parthiv Mangukiya, Jasmin Nasit, Nirav Bharadiya. 2. Karan Juneja, Tanish Kakhatri, Deepanshu Sharma 3. Pradeep Ch, Shantam Agrawal, Sriyansh Shrivastav.	Nov 2017
09	ACM hour of code (Social relationship) (provided School training)	1. Swaminarayan Gurukul 2. Kaushal Vidhyabhavan 3. Bhulka Vihar school 4. Navsari high school	December 2017
10	ACM Month of Code	1. Aditya Hirapara, AbhijeetMathur 2. Parthav Patel, Rushi Bhatt, ApurvaRanderia 3. Ashwini Vijay Vergiya, Shubham Gupta, Deep Mistry	Feb 2018
11	For First Year Category (AMOC)	1. Insiyah Hajoori, Nishtha Agarwal, Prachi Agrawal	Feb 2018



**B.Tech. Publication**

- Y Parikh, A Palusa, S Kasthuri, R Mehta, 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.
- Jayam Modi, Manav Prajapati, Abhinav Sharma, Ravi Ojha, Devesh Jinwala, "A Secure Communication Model for Expressive Access Control Using CP-ABE". I. J. Network Security 19(2): 193-204 (2017)
- Siddharth Seth and Mukesh A. Zaveri, "Conditional Generative Recurrent Adversarial Networks", Proceedings of 2nd International Conference on Smart Computing & Informatics (SCI-2018), Springer SIST Smart Innovation, Systems and Technologies (SIST) series, 27-28 January, 2018, Vijayawada, Andhra Pradesh, India.

**ELECTRICAL ENGINEERING DEPARTMENT****Achievements by faculties :**

- S N Sharma (a recipient), Elsevier Recognized Reviewer Award, 2017
- S N Sharma (a recipient), Marquis, Who's Who in World, 2018 Edition, a biographical listing in the International Directory (For demonstrating outstanding achievement in their own field of endeavor and who have thereby contributed significantly to the betterment of Contemporary Society)
- S N Sharma (a recipient), A recipient of the 2018 INSA-SASA deputation, Slovenian Academy of Sciences and Arts bilateral Faculty Exchange Program award  
(The 2018 INSA-SASA Deputation to augment the scientific collaborations between two nations)

**ELECTRONICS ENGINEERING DEPARTMENT****Achievements by faculties**

- Dr. P. N. Patel received "Young Faculty Research Fellowship (YFRF) "award by Visvesvaraya PhD Programme of Ministry of Electronics & Information Technology, MeitY, Govt. of India" for Research Fellowship in January 2018.
- Dr. P. N. Patel is a fellow member of Optical Society of India (OSI) and Institute of Electronics & Telecommunications (IETE).
- Dr. (Mrs.) U. D. Dalal visited as an invited speaker to IBNM, University of Brest, France Europe, during 28th Feb to 6th March, 2018, sponsored by IBNM.
- Dr. (Mrs.) R. N. Dhavse is nominated as Vice Chair of IEEE Nanotechnology Council, Gujarat section.
- Dr.(Mrs.) U. D. Dalal is regular reviewer of Wireless Personal Communication Journal and Telecommunication System by Springer (TELS)
- Dr. J. N. Sarvaiya is vice chairman of IEEE signal processing society.
- Dr. (Mrs.) U.D.Dalal and Dr. J. N. Sarvaiya reviewed MOBROB proposal of AICTE.
- Dr. (Mrs.) U. D. Dalal is a member of Board of Studies in Uka Tarsadia up to 31st December 2017 and SGSITS Indore.
- Dr. (Mrs.) U. D. Dalal is a member of Advisory committee of SCET, Surat.
- Dr. (Mrs.) U. D. Dalal is a member of Editorial Board of ICTACT- journal on communication technology.
- ICFITT proceeding published by Springer and later on converted into book.
- Mr. P. J. Engineer received 100 Nos. of Keil ARM MDK licenses (ARM Ltd.) for 1 year (From 23 November-2017 to 22 November, 2018)
- From August 2017 EDUSAT programme organized by Indian Institute of Remote Sensing and department level coordinate by Dr. (Mrs.) S.N.Shah.

**Visits abroad by faculty**

Sr. No.	Name of faculty	Country Visited	Date	Purpose of visit	Funding from
01	Dr.(Mrs.) R.N.Dhavse	Singapore	12-13 March, 2018	Presented research paper in International Conference on Material Science, Metal and Manufacturing	CPDA
02	Dr. K. P. Upla	Montreal, Canada	28/11/2017 to 1/12/2017	seventh International Conference on Image Processing Theory, Tools and Applications (IPTA 2017)	CPDA
03	Dr. (Mrs.) S.N.Shah	Thailand	23-26 January, 2018	International course on Global Navigation satellite System	CPDA
04	Dr (Mrs) U D Dalal	Brest, France	28 <sup>th</sup> Feb to 6 <sup>th</sup> March, 2018	Special seminar on 5G and research collaborations—invited by Dr Ahcene Bouncear	IBNM

The various projects sanctioned details					
Sr. No	Title	Duration	Funding Agency	Amount (Rs. In lakhs)	Co-ordinators
1.	Sanction of research project ---- RESPOND Project "SIRMI-Strengthening IRNSS Receiver by mitigation of Interference" for the period of at total outlay of	two years, Sanction on 13th September 2017	ISRO	Rs 31.21	Dr (Mrs.) U. D. Dalal Dr. (Mrs.) S. N. Shah
2.	Member of SMDP C2SD Research Project	2016-2020	DeitY, Govt. of India	80 lac (approx.)	Dr. A. D. Darji & Mr. P.J. Engineer Dr. J. N. Sarvaiya Dr. Z. M. Patel Dr. Rasika Dhavse
3.	"Research Contingency Grant" of Young Faculty Research Fellowship	5 Years (January 2018-2023)	MeitY, Govt. of India	25 lacs	Dr. P N Patel
4.	FPGA Based Adaptive Filter Algorithm Implementation for external noise cancellation	2 Years	DAE, BRNS, Gol, Mumbai	22,11,992	Dr. A. D. Darji Dr. J. N. Sarvaiya
5.	Study, Design & Simulation of iono delay effects based on Ionospheric models & their correction techniques using software defined radio	3 years 2016-2019	NavIC-GAGAN Utilization Programme at Space Applications Centre, Ahmedabad)	18,90,000	Dr. (Mrs.) S. N. Shah
6.	Design and Fabrication of Photonics Corrugated Device	July 2015-2020	NavIC-GAGAN Utilization Programme at Space Applications Centre, Ahmedabad)	5.0 lacs	Dr. P. N. Patel

#### **Achievements by Students:**

Sr. No.	Name	Score	AIR	Exam
1	Aditya Pandey	768	258	GATE
2	Vineeth A.	460	4100	GATE
3	A. Varun	548	2200	GATE
4	MugdhaPatil	556	1986	GATE
5	B. S. S. Nagavalli	450	423	GATE
6	T. Sandeep	511	2818	GATE
7	N. Sravani	596	1389	GATE
8	Aashish Kumar Misraa	324	-	GRE
9	Aashish Kumar Misraa	107	-	TOEFL
10	AbhirupPanja	330	-	GRE
11	Jeseeka Shah	317	-	GRE
12	DivyamFatehpuria	150	-	CAT
13	Anagha V. Bhatt	99.52%	-	CAT
14	Nitesh P. Nair	98.41%	-	CAT
15	Ram RadeshDavuluri	99.97%	-	CAT
16	Bilkish Ara Naukodi	115	-	TOFEL
17	Jimit Mistry	225	-	GRE
18	AnugrahNimavat	91.77%	-	CAT
19	Sapan Patel	321	-	GRE
20	SanjanaDhiran	323	-	GRE
21	Jay Patel	313	-	GRE

**Following papers are published by UG students:**

- 1) Ishan Dave, Vikas Chaudhary and Kishor Upla "Simulation of Analytical Chemistry Experiments on Augmented Reality Platform" in 2<sup>nd</sup> International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017) published in Springer.
- 2) Jimit Mistry, Aashish K. Misraa, Meenu Agarwal, Ayushi Vyas, Vishal M. Chudasama, Kishor P. Upla, "An Automatic Detection of Helmeted and Non-helmeted Motorcyclist with License Plate Extraction using Convolutional Neural Network" seventh International Conference on Image Processing Theory, Tools and Applications (IPTA 2017) held on November 28th to December 1st, 2017, in Montreal, Canada.

**Following students participated in Sports activities:**

Sr. No.	Name	Award
01	Rohith Kumar J.	Inter NIT ATHLETIC –GOLD, IGNIS
02	G. Sadath	INTER NIT CRICKET
03	K. Durga Prasad	Secured 3rd position in Inter NIT KHO-KHO held at Agartala
04	Prafull Sharma	3rd in Vadodara Group of NCC C-Certificate MMNCT CO-ORDINATOR
05	Vamsee Krishna	4th Position in Inter NIT Kabaddi at NIT
06	Ch. Santhosh	Gold Medal in Firing (NCC Camp)
07	Priyanshi Gupta	A-Grade in NCC – C CERTIFICATE 2 <sup>nd</sup> in KHO-KHO & award of best conduct in NCC
08	P. Keerthana	Obtained C Certificate in NCC,
09	Sachin	Inter NIT Tournament (2015-16), Inter NIT Tournament (2016-17)

**Following students completed Internship at following industries:**

Sr. No.	Name of Student	Internship
01	Hasti Kasundra	Research Internship (IIT 2 months)
02	Saumya Shrivastava	Research Internship (IIM Ahmadabad 2.5 months)
03	Harshika Mahendiran	Winners Dance
04	Umang Mandalaywala	IETE Winner (Line Follower)
05	Jay Gandhi	IETE Winner (Line Follower)
06	Krishna Engineer	Marketing Internship ( IIM Bangalore, 1Month)
07	Tridib Roy	Technical Internship (ONGC, 2Months)
08	Rahul Gupta	Training at Signalling & Telecommunication NCR –Railway Agra
09	Sanjana Dhiran	Internship at IIT Gnanhinagar 1st Interned Badminton
10	Aman Bharti	Marketing Internship IIM Lucknow (1 Month)
11	Chirag Godawat	College Ambassador (Techfest IIT B) College Ambassador (Mood Indigo IIT B)
12	Priyanshu Dalal	College Ambassador (IIT B) First Rank in Senior wing Vadodara
13	Abhishek Singh	Training at Reliance JioInfocomm. Ltd, Ahmedabad, 1st in Ignis -2K18 – cricket
14	Gns Manikanta	Training at RTTC-BSNL Chennai
15	Gn Manikant	Internship at ECIL
16	Mali Harish Kumar	Internship at ECIL Internship at creation cradle
17	M. Saiteja	Internship at Sameer
18	Nithin	Internship at ECIL
19	D. Yashwanth	Internship at ECIL
20	P. Saiteja	Internship at Investosure through college
21	S. Praveen	Internship at ECIL
22	K. Tarunsree	Internship at Investosure (1Month)
23	Jay Patel	Internship at Matrix Comsec (1month)
24	B. Vivek	Chairman of IETE Students' Forum ( ECED) Internship at ECIL (Hyderabad)
25	M. Vinaykumar	Internship at RCI (Hyderabad, DRDO)
26	Vamsee Krishna	4th Position in Inter NIT Kabaddi at NIT
27	A. Madhusree	Internship at DLRL (DRDO)
28	Harshvardhan S. Dhakar	Internship at BSNL, ALTTC (2 Months)
29	R. Thanmai	Internship at ECIL
30	K. Saisaran Krishna	Internship at ISRO Internship at ECIL Internship at Thinker bell Labs, Project
31	P. Krishna Teja	Internship at ECIL, Internship at MANTHAN ANALYTIC Solutions, Bangalore Inetrnship at Institute of Physics, Bhubaneswar, Branch Counsellor

Sr. No.	Name of Student	Internship
32	Nabanita Dewan	Internship at ONGC, Internship at IIT Kharagpur Gold Medal in Badminton (Ignis)
33	Priyanshi Gupta	A-Grade in NCC – C’CERTIFICATE 1st in Group Song, 2nd in KHO-KHO & award of best conduct in NCC, Internship at ECIL
34	M. Kavitha	Internship at ECIL
35	P. Keerthana	Attended Swecha Camp in IOT, Machine Learning , Python
36	L. Prudhvi Raj	Training at ECIL, Hyderabad, Finalist in Singing night, Sparsh 2017
37	R. Amoolya	Internship at DRDO
38	P. Raj Kumar	Training at Embedded System in ECIL
39	Sachin	Inter Year Runner up (2017-18), Completed one year course on JAVA basic (June 2017)
40	Girish	Internship at DRDL (DRDO)

### MECHANICAL ENGINEERING DEPARTMENT

Sr. No.	Name of Faculty member	Achievement
01	R. V. Rao	He has been awarded the Habilitation “DOKTORA HABILITOWANEGO” (“Habilitation Doctor” in English) in Technical Sciences from Cracow University of Technology (called “Politechnika Krakowska” in Polish), Poland with the approval from Poland Government’s <i>Central Commission for the Higher Academic Degrees and Titles</i> .
02	R. V. Rao	He has been deputed by MHRD of Govt. of India as a Visiting Professor to teach a course at Asian Institute of Technology (AIT) Bangkok, Thailand for January – May 2018 semester.
03	R. V. Rao	Guest Editor of a special issue entitled “Advanced Optimization Techniques and Their Applications in Civil Engineering” of Hindawi Publishers (Egypt) Journal of “Advances in Civil Engineering”(https://www.hindawi.com/journals/ace/si/893072/cfp/).
04	R. V. Rao	He has been appointed as the Member, Editorial Board of Journal of Advanced Manufacturing Systems, World Scientific, USA ( <i>Scopus Indexed Journal</i> ).
05	R. V. Rao	He has been appointed as the Member, Editorial Board of “International Journal of Research on Industrial Engineering” published from Iran ( <a href="http://www.riejournal.com/">http://www.riejournal.com/</a> ).
06	DR D V BHATT Mr. Ganvir Abhishek (M.Tech Student)	Patent Title – An Improved Automobile Vehicle Directional Indicator System Application Filling Date – 14/07/2017 Application Filling Number – E-2/1570/2017/Mum App.No. - 201621024060
07	DR D V BHATT Mr. Dwig V. Bhatt (B.Tech. III Year, Mechanical)	Patent Title – Water Conservation Attachment for western style commode Application Filling Date – 08/06/2017 Application Filling Number – 201721020114
08	DR D V BHATT	BOS Member at Parul University-Mechanical & Production Engineering
09	DR D V BHATT	BOS Member at PDPU In Industrial Engineering
10	Dr. T. N. Desai	Organised “4th International Conference on Industrial Engineering on the theme “Digital India, Smart India, Make in India- Innovative role of Industrial Engineering” during December 21-23, 2017 at SVNIT, Surat.
11	Dr. Jyotirmay Banerjee	Guest Editor, Special Issue on Fluid Mechanics and Fluid power Sadhana, Indian Academy of Science, Springer, Vol. 42, No. 4, April 2017,
12	Dr. J Banerjee	ARDB sanctioned project entitled “Parametric Investigations on Upward Swirl Gas Turbine Combustor”; sanction letter no. ARDB/01/1041742/M/I dated 07 October 2014, Amount: 20.12 lakhs, to be completed by 31st Aug 2017.
13	Dr. J Banerjee	BRNS project entitled “Mathematical Modeling of Thermal Dispersion of Effluent released into Moticher Lake at KAPS, Sanction letter: no. 36(4)/14/22/2014-BRNS/1143, Sanction date: 21st July 2014, Amount Rs. 24, 99,600 /-, to be completed by June 2018.
14	Beena Baloni	Smt. Sheela Baya National Award 2017; Institute of Engineers, Udiapur
15	Dr P. V Bhale	Developed the online course on Energy Conservation and Management and the same is released under Main Phase on National Mission on Education through ICT funded under the NMEICT scheme approved by MHRD Govt of India with IIT Kharagpur as Anchor Institute
16	Dr P.V Bhale	Establishment of New Lab titled Renewable and Sustainable Energy Laboratory in Mechanical Engineering Department

## 9.2 Achievements took place during the reporting year 2017-18

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

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	K. Rana, J. R. Bhamore, J. V. Rohit, T.-J. Park, <b>K. Suresh Kumar</b> , Ligand exchange reactions on citrate-gold nanoparticles for a parallel colorimetric assay of six pesticides, <b>New J. Chem.</b> , 42, 9080-9090, 2018.
02	J. R. Koduru, <b>K. Suresh Kumar</b> , J. R. Bhamore, K. H. Kim, T. Dutta, K. Vellingiri, Phytochemical-assisted synthetic approaches for silver nanoparticles antimicrobial applications: A review, <b>Advances in Colloid and Interface Science</b> , 256, 326-339, 2018
03	Bhamore, S. Jha, H. Basu, R. K. Singhal, Z. V. P. Murthy, K. Suresh Kumar, Tuning of gold nanoclusters sensing applications with bovine serum albumin and bromelain for detection of Hg <sup>2+</sup> ion and lambda-cyhalothrin via fluorescence turn-off and on mechanisms, <b>Analytical and Bioanalytical Chemistry</b> , 410, 2781–2791, 2018
04	M. L. Desai, S. Jha, H. Basu, R. K. Singhal, P. K. Sharma and <b>K. Suresh Kumar</b> , Microwave-assisted synthesis of water-soluble Eu <sup>3+</sup> hybrid carbon dots with enhanced fluorescence for the sensing of Hg <sup>2+</sup> ions and imaging of fungal cells, <b>New Journal of Chemistry</b> , 42, 6125-6133, 2018
05	<b>K. Suresh Kumar</b> , M. Chandel, V. N. Mehta, T. J. Park, Influence of ligand chemistry on silver nanoparticles for colorimetric detection of Cr <sup>3+</sup> and Hg <sup>2+</sup> ions, <b>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</b> 195, 120-127, 2018
06	Karuna A. Rawat, R. K. Singhal, <b>K. Suresh Kumar</b> , One-pot synthesis of silver nanoparticles using folic acid as a reagent for colorimetric and fluorimetric detections of 6-mercaptopurine at nanomolar concentration, <b>Sensors and Actuators B: Chemical</b> , 249, 30-38, 2017
07	Jignesh V. Rohit, <b>K. Suresh Kumar</b> , Simple and selective detection of pendimethalin herbicide in water and food samples based on the aggregation of ractopamine-dithiocarbamate functionalized gold nanoparticles, <b>Sensors and Actuators B: Chemical</b> , 245, 541-550, 2017
08	<b>K. Suresh Kumar</b> , Jignesh V. Rohit, Multi-functional groups of dithiocarbamate derivative assembly on gold nanoparticles for competitive detection of diafenthuron, <b>Sensors and Actuators B: Chemical</b> , 244, 796-805, 2017
09	<b>K. Suresh Kumar</b> , 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, <b>Colloids and Surfaces A: Physicochemical and Engineering Aspects</b> , 515, pp 50–61, 2017
10	Subhadeep Ghosh, Jigna R. Bhamore, Naved I. Malek, Z.V.P. Murthy, Suresh Kumar Kailasa, Trypsin mediated one-pot reaction for the synthesis of red fluorescent gold nanoclusters: Sensing of multiple analytes (carbidopa, dopamine, Cu <sup>2+</sup> , Co <sup>2+</sup> and Hg <sup>2+</sup> ions), <b>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</b> , (2019) 215 209-217.
11	Muzammil Kuddushi, Gurpreet Singh Nangala, Sargam Rajput, Sushma P. Ijardar, Naved I. Malek, Understanding the Peculiar Effect of Water on the Physicochemical Properties of Choline Chloride Based Deep Eutectic Solvents Theoretically and Experimentally, <b>Journal of Molecular Liquids</b> 278 (2019) 607–615.
12	Shilpa K Nandwani, Naved I Malek, Mousumi Chakraborty, Smita Gupta, Potential of a novel surfactant slug in recovering additional oil from highly saline calcite cores during EOR process – Synergistic blend of surface active ionic liquid and nonionic surfactant, <b>Energy Fuels</b> 2019, 33, 1, 541-550.
13	Ankit Shah, Muzammil Kuddushi, Sargam Rajput, Omar A. El Seoud, Naved I. Malek, Ionic Liquids Based Catanionic Coacervates: The Novel Microreactors for Membrane Free Sequestration of Dyes and Curcumin. <b>ACS Omega</b> , 2018, 3 (12), 17751–17761.
14	Kuddushi, M.; Patel, N. K.; Rajput, S. M.; Shah, A.; El Seoud, O.A.; Naved Malek.; Thermo-Switchable de Novo Ionic Liquid-Based Gelators with Dye-Absorbing and Drug-Encapsulating Characteristics. <b>ACS Omega</b> , 2018, 3, 9, 12068-12078.
15	Sargam M Rajput, Krishnakant Gangele, Sugam Kumar, Vinod K Aswal, Jitendra P Mata, <b>Naved I Malek, Suresh Kumar Kailasa</b> , Krishna Mohan Poluri, Nano-Vehicles for Drug Delivery Using Low-Cost Cationic Surfactants: A Drug Induced Structural Transitions, <b>ChemistrySelect</b> , 2018, 3, 9454-9463
16	Amanda C. Pinheiro, André B. Gonçalves, Wilhelm J. Baader, Lydia F. Yamaguchi, <b>Naved I. Malek</b> , Erick L. Bastos, and Omar A. El Seouda, Biofuels from coconut fat and soybean oil: microwave-assisted synthesis and gas chromatography/mass spectrometry analysis, <b>Quimica Nova</b> , Accepted, 2018
17	Thais A. Bioni, <b>Naved I. Malek</b> , Omar A. El Seoud, Kinetics of cellulose acylation with carboxylic anhydrides and N-acylimidazoles in ionic liquid/molecular solvent mixtures: Relevance to the synthesis of mixed cellulose esters, <b>LENZINGER BERICHTE</b> , 2018, 94, 57 – 66.
18	Zuber S. Vaid, Sargam M. Rajput, Ankit Shah, Yogesh Kadam, Arvind Kumar, Omar A. El Seoud, Jitendra P. Mata, <b>Naved I. Malek</b> , Salt-Induced Microstructural Transitions in Aqueous Dispersions of Ionic-Liquids Based Surfactants, <b>ChemistrySelect</b> , 2018, 17, 4851-4858.
19	Sargam M. Rajput, Sugam Kumar, Vinod K Aswal, Omar A. El Seoud, <b>Naved I. Malek, Suresh Kumar Kailasa</b> , Drug-induced micelle-to-vesicle transition of a cationic gemini surfactant: Potential applications in Drug Delivery. <b>ChemPhysChem</b> , 2018, 19 (7), 865-872.
20	Zuber S. Vaid, Sargam M. Rajput, Muzammil Kuddushi, Arvind Kumar, Omar A. El Seoud and <b>Naved I. Malek</b> , Synergistic Interaction between Cholesterol and Functionalized Ionic Liquid Based Surfactant Leading to the Morphological Transition. <b>ChemistrySelect</b> 2018, 3, 1300– 1308.

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
21	N. Mishra, Y. Kadam, <b>N. Malek</b> , Overview of enzyme based biosensors and their applications, Current Trends in Biotechnology and Pharmacy, 2018, 12 (1), 108-117.
22	Lakhotia S R., <b>Mukhopadhyay M. and Kumari P.</b> , Surface-Modified Nanocomposite Membranes, Separation & Purification Reviews, 00: 1–18, 2017.
23	Lakhotia S R., <b>Mukhopadhyay M. and Kumari P.</b> , Cerium oxide nanoparticles embedded thin-film nanocomposite nanofiltration membrane for water treatment, Scientific Reports, (2018) 8:4976 .
24	Kumar S., Singh R., Parikh H., Manivel P. and <b>Kumari P.</b> , Variation in Total Phenolics Content in Elite Germplasms of Indian Ginseng Withaniasomnifera (Ashwagandha), J. Pharm. Appl. Chem. 4(1), 13-15, 2018.
25	Mehulkumar L. Savaliya, <b>Bharatkumar Z. Dholakiya</b> , Eco-friendly process for preparation of biodiesel from WFO over MTSA-Si catalyst: An innovative approach for the utilization of side product, Journal of Industrial and Engineering Chemistry, 64, 352-366, 2018.
26	Mehulkumar L. Savaliya, Pooja J. Patel, <b>Bharatkumar Z. Dholakiya</b> , A simple and sustainable process for the preparation of fuel grade esters using PE-Si composite: A reusable catalytic system, Renewable Energy, 109, 1-12, 2017.
27	Ashish J. Raychura, <b>Bharatkumar Z. Dholakiya</b> , Kalpesh I. Patel, Smita Jauhari, Development of Non-Traditional Vegetable-Oil-Based Two-Pack Polyurethane for Wood-Finished Coating: An Alternative Approach, Chemistry Select, 3, 10837–10842, 2018.
28	Ashish J. Raychura, Smita Jauhari, Kalpesh I. Patel, <b>Bharatkumar Z. Dholakiya</b> , A renewable approach toward the development of mahua oil-based wood protective polyurethane coatings: Synthesis and performance evaluation, Journal of Applied Polymer Science, 46722 (2 of 11), 2018.
29	Ashish J. Raychura, Smita Jauhari, Vimal S. Prajapati, <b>Bharatkumar Z. Dholakiya</b> , Synthesis and performance evaluation of vegetable oil based wood finish polyurethane coating, Bioresource Technology Reports 3, 88–94, 2018.
30	Ashish J. Raychura, Smita Jauhari, <b>Bharatkumar Z. Dholakiya</b> , Development of wood protective polyurethane coatings from mahua oil-based polyetheramide polyol: a renewable approach, Journal <a href="#">Soft Materials</a> , 16 (3), 2018.
31	Amit G. Shirke, Paresh Parekh, <b>Bharatkumar Dholakiya</b> , Ketan Kuperkar, Kinetics, Thermodynamics, and Isothermic Evaluation in Sorption Study of Hazardous Dye Using Sodium Dodecylsulfate Physically Impregnated in Polyester-Type Polyurethane Foam, J Surfact Deterg, <a href="https://doi.org/10.1002/jsde.12004">https://doi.org/10.1002/jsde.12004</a> , 2018
32	Amit G. Shirke, <b>Bharatkumar Z. Dholakiya</b> , Ketan Kuperkar, Modification of tung oil-based polyurethane foam by anhydrides and inorganic content through esterification process, Journal of Applied Polymer Science, DOI: 10.1002/APP.45786, 2017.
33	Jenifer J. Gabla, Sunil R. Mistry and Kalpana C. Maheria, An efficient green protocol for the synthesis of tetra-substituted imidazoles catalyzed by zeolite BEA: effect of surface acidity and polarity of zeolite, Catalysis Science and Technology, Royal Society of Chemistry, VOL. 7, 5154-5167, 2017.
34	Dharmesh R. Lathiya, Dhananjay V. Bhatt, Kalpana C. Maheria, <b>Synthesis of sulfonated carbon catalyst from waste orange peel for cost effective biodiesel production</b> , <b>Bioresource Technology Reports, Vol.2, 69-76, 2018.</b>
35	N. Kaur, S. Chopra, P. Raj, A. Bhasin, G. Singh, <b>Suban K Sahoo</b> , A. Kuwar, N. Singh, Chemosensors for biogenic amines and biothiols, Journal of Materials Chemistry B, 2018, 6, 4872-4902
36	T. Anand, SK Ashok Kumar, <b>Suban K Sahoo</b> , A new Al <sup>3+</sup> selective fluorescent turn-on sensor based on hydrazide-naphthalic anhydride conjugate and its application in live cells imaging, <i>Spectrochimica Acta A</i> , 2018, 204, 105–112
37	M. Patil, S. Bothra, <b>Suban K. Sahoo</b> , H. A. Rather, R. Vasita, R. Bendre, A. Kuwar, Highly selective nicotino-hydrazide based 'turn-on' chemosensor for the detection of bioactive zinc(II): its biocompatibility and bioimaging application in cancer cells, <i>Sensors and Actuators B: Chem.</i> , 2018, 2017, 200-206
38	Y. Upadhyay, T. Anand, Lavanya T Babu, P. Paira, SK Ashok Kumar, R. Kumar, <b>Suban K Sahoo</b> , Combined use of spectrophotometer and smartphone for the optical detection of Fe <sup>3+</sup> using a vitamin B <sub>6</sub> cofactor conjugated pyrene derivative and its application in live cells imaging, <i>J. Photochem. Photobiol. A</i> , 2018, 361, 34-40
39	R S. Kumar, S.K. Ashok Kumar, K. Vijayakrishna, A. Sivaramakrishna, P. Paira, C.V.S.B. Rao, N. Sivaraman and <b>S. K. Sahoo</b> , Bipyridine bisphosphonate-based fluorescent optical sensor and optode for selective detection of Zn <sup>2+</sup> ions and its applications, <i>New J Chem</i> , 2018, 42, 8494-8502
40	G.-D. Kim, S. Bothra, <b>S. K. Sahoo</b> and H.-J. Choi, A novel C <sub>3v</sub> -symmetric molecular clip with tris(diamide) recognition sites on trindane platform for H <sub>2</sub> PO <sub>4</sub> <sup>-</sup> recognition, <i>Tetrahedron Letters</i> , 2018, 59, 1679-1682
41	T. Anand, Ashok Kumar SK, Suban K Sahoo, A novel Schiff base derivative of pyridoxal for the optical sensing of Zn <sup>2+</sup> and cysteine, <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 414-422
42	V. Venkatesan, Ashok Kumar SK, S. Bothra, <b>Suban K Sahoo</b> , Highly selective iodide sensing ability of an anthraquinone derived Schiff base in semi-aqueous medium and its performance as antioxidant, anti-inflammatory and HRBC membrane protection, <i>New J Chem</i> , 2018, 42, 6175-6182
43	Quoc-Thiet Nguyen, <b>Suban K Sahoo</b> and Heung-Jin Choi, Inclusion complexation of a deep cavitand with imidazoquinoxaline flaps forming stable vase-like conformation, <i>Tetrahedron</i> , 2018, 74, 1759-1766
44	B. Phukan, C. Mukherjee, U. Goswami, A. Sarmah, S. Mukherjee, <b>Suban K. Sahoo</b> , S. C. Moi, A New Bis(aquated) High Relaxivity Mn(II) Complex as an Alternative to Gd(III)-Based MRI Contrast Agent, <i>InorgChem</i> , 2018, 57, 2631–2638
45	Prashanthakumar T.K.M., Ashok Kumar S.K., <b>Suban K Sahoo</b> , A quick removal of toxic phenolic compounds using

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	porous carbon prepared from renewable biomass coconut spathe and exploration of new source for porous carbon materials, J. Environ. Chemical Engineering, 2018, 6, 1434-1442
46	R. Patel, S. Bothra, R. Kumar, G. Crisponi, <b>Suban K Sahoo</b> , Pyridoxamine driven selective turn-off detection of picric acid using glutathione stabilized fluorescent copper nanoclusters and its applications with chemically modified cellulose strips, Biosensors and Bioelectronics, 2018, 102, 196-203
47	R Selvakumar, SK Ashok Kumar, Kari Vijayakrishna, AkellaSivaramakrishna, CVS Brahmmananda Rao, N Sivaraman, <b>Suban K Sahoo</b> , Development of highly selective chemosensor for thorium estimation, Sensors and Actuators B: Chem., 2018, 255, 1391
48	Singh, <b>Suban K Sahoo</b> , D. R. Trivedi, Colorimetric anion sensors based on positional effect of nitro group for recognition of biologically relevant anions in organic and aqueous medium, insight real-life application and DFT studies, SpectrochimicaActa A, 2018, 188, 596-610
49	S. Bothra, L. T. Babu, P. Paira, SK Ashok Kumar, R. Kumar and <b>Suban K Sahoo</b> , A biomimetic approach to conjugate vitamin B <sub>6</sub> cofactor with the lysozyme cocooned fluorescent AuNCs and its application in turn-onsensing of zinc(II) in environmental and biological samples, Analytical and Bioanalytical Chemistry, 2018, 410, 201-210
50	Yachana Upadhyay, Lavanya T Babu, PriyankaPaira, Guido Crisponi, Ashok Kumar SK, Rajender Kumar, <b>Suban K Sahoo</b> , Three-in-one type fluorescent sensor based on pyrene pyridoxal cascade for the selective detection of Zn(II), hydrogen phosphate and cysteine, Dalton Transactions, 2018, 47, 742-749
51	Anil Kuwar, K Tayade, K Keshav, <b>Suban K Sahoo</b> , Mayank, N Singh, Cu <sup>2+</sup> -driven metallo-supramolecular self-assembly and its application in sensing of hydroxyl ion, Supramolecular Chemistry, 2018, 30, 52-60
52	SKA Kumar, K Vijayakrishna, A Sivaramakrishna, CVS Rao Brahmmananda, N Sivaraman, <b>SK Sahoo</b> , Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiff's Base and Its Applications to Real Time Samples, Inorganic Chemistry, 2018, 57, 15270-15279
53	ThangarajAnand, SK Kumar, <b>Suban K Sahoo</b> , Vitamin B6 Cofactor Derivative: A Dual Fluorescent Turn-On Sensor to Detect Zn <sup>2+</sup> and CN <sup>-</sup> Ions and Its Application in Live Cell Imaging, ChemistrySelect, 2017, 2, 7570-7579
54	Navneet Kaur, Gaganpreet Kaur, Umesh A Fegade, Amanpreet Singh, <b>Suban K Sahoo</b> , Anil S Kuwar, Narinder Singh, Anion sensing with chemosensors having multiple -NH recognition units, TrAC Trends in Analytical Chemistry, 2017, 95, 86-109
55	Nimisha Singh, Khushbu Patel, <b>Suban K. Sahoo</b> , Rajender Kumar*; Human nitric oxide Biomarker as potential NO donor in conjunction with superparamagnetic Iron oxide @ Gold core shell nanoparticles for cancer therapeutics, Colloids and SurfacesB:Biointerfaces.,DOI : doi.org/10.1016/j.colsurf.12.052, 2017.
56	Khushbu Patel, Nimisha Singh, Jyotsna M. Nayak, Babli Jha, <b>Suban K. Sahoo</b> , and <b>Rajender Kumar*</b> ; Environmentally Friendly Inorganic Magnetic Sulfide Nanoparticles for Efficient Adsorption-Based Mercury Remediation from Aqueous Solution, ChemistrySelect, 1, 1 -14,DOI: 10.1002/slct.201702851, 2018.
57	A comprehensive insight on H-type aggregation in Congo red-surfactant systems revealed through physico-chemical studies integrated with simulation framework, V. Kumar, D. Patel, H. Pal, <b>K. Kuperkar (Accepted)</b> .
58	A new insight into non-steroidal anti-inflammatory drugs (NSAIDs) as modulated green inhibitory agent in mild steel corrosion, D. Patel, K. Makhwana, M. B. Shirdhonkar, <b>K. Kuperkar (Accepted)</b> .
59	Unraveling the Solubilization and Cytotoxicity study of poorly water-soluble anti-inflammatory drug in aqueous Gemini Surfactants solution with Physico-chemical characterization and simulation study, B. Kanoje, D. Patel, V. Kumar, <b>J. Parikh, K. Kuperkar (Accepted)</b> .
60	Enhancement of physico-chemical and anti-corrosive properties of tung oil based polyurethane coating via modification using anhydrides and inorganic acid. <b>A. Shirke, B. Dholakiya, K. Kuperkar</b> , Surfaces and Interfaces 15 (2019) 180–190.
61	Micellar transition (ellipsoidal to ULV) induced in aqueous Gemini surfactant (12-2-12) solution as a function of additive concentration and temperature using experimental and theoretical study B. Kanoje, A. Jangir, D. Patel, D. Ray, V. Aswal, H. Pal, <b>J. Parikh, K. Kuperkar</b> , Colloids Surfaces A. 555 (2018) 227–236.
62	Micellization, antimicrobial activity and curcumin solubilization in Gemini surfactants: Influence of spacer and non-polar tail. U. Dani, A. Bahadur, <b>K. Kuperkar</b> , Colloids and Interface Science Communications 25 (2018) 22-30.
63	Electrokinetic potential, thermal and microscopic investigation of surfactant-polymer templates on precipitated calcium carbonate morphology with dynamic simulation. D. Patel, <b>K. Kuperkar</b> , Chemistry Select 3 (2018) 4382-4386.
64	Crystallization study and morphology behavior of calcium carbonate crystals in aqueous Surfactant-Pluronic <sup>®</sup> prototype, <b>B. Kanoje, K. Kuperkar</b> , J. Mater. Res. Technol. 7(4) (2018) 508–514.
65	Modification of Tung oil based polyurethane foam by anhydrides and inorganic content through esterification process. A. Shirke, <b>B. Dholakiya, K. Kuperkar</b> , J. App. Polym. Sci. 135 (5) (2018) 45786-45796.
66	Kinetics and thermodynamics of hazardous dye sorption from waste water using anionic surfactant as counter ion physically impregnated in polyurethane foam. <b>A. Shirke, P. Parekh, B. Dholakiya, K. Kuperkar</b> . J. Surfact. Deterg.21 (2) (2018) 187-196.
67	Synergism and aggregation behavior in aqueous binary mixture of cationic-zwitterionic surfactants: Physico-chemical characterization with molecular simulation approach. B. Kanoje, S. Padshala, <b>J. Parikh, S. Sahoo, K. Kuperkar</b> , P. Bahadur, Phy. Chem. Chem. Phys. 20 (2018) 670-681.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>HS Patel, R Meher</b> , Simulation of Imbibition Phenomena in Fluid Flow through Fractured Heterogeneous Porous Media with Different Porous Materials, Journal of Applied Fluid Mechanic, volume 10, no. 5, 2017. (SCI Journal and ISI impact factor 0.888)
02	<b>HS Patel, R Meher</b> , Simulation of Counter-Current Imbibition Phenomenon in a Double Phase Flow through Fractured Porous Medium with Capillary Pressure, Ain Shams Engineering Journal, Elseiver, 2017, <a href="https://doi.org/10.1016/j.asej.2016.09.017">https://doi.org/10.1016/j.asej.2016.09.017</a> (SCOPUS)
03	<b>HS Patel, R Meher</b> , Modeling of Imbibition Phenomena in Fluid Flow through Heterogeneous Inclined Porous Media with Different Porous Materials, Nonlinear Engineering: Modeling and Application, De-Gruyter, 2017,DOI 10.1515/nleng – 2017-0016.(SCOPUS)
04	<b>T.V Patel, R Meher</b> Thermal Analysis of porous fin with uniform magnetic field using Adomian decomposition Sumudu transform method, Nonlinear Engineering - Modeling and Application, De-Gruyter, 2017, 1-10. DOI: 10.1515/nleng-2017-0021.(SCOPUS)
05	<b>HS Patel, R Meher</b> , Simulation of Counter-Current Imbibition Phenomenon with Corey's Model in Double Phase Flow Through Heterogeneous Porous Medium with Capillary Pressure, International Journal of Applied and Computational Mathematics ,3 (4), 3817-3830.(Springer)
06	<b>HS Patel, R Meher</b> , Modelling of imbibition phenomena in two-phase fluid flow through fractured porous media, Nonlinear Engineering - Modeling and Application, De-Gruyter , 6 (1), 15-24,2017
07	V.P Gohil, <b>R.Meher</b> , Homotopy Analysis Method for solving Counter current imbibition phenomena of the time positive fractional type arising in heterogeneous porous media,International Journal of Mathematics & Computation,28 (2), 77-85,2017
08	Adomian decomposition Sumudu transform method for convective fin with temperature-dependent internal heat generation and thermal conductivity of fractional order energy balance equation, International Journal of Applied and Computational Mathematics ,3 (3), 1879-1895.(Springer)
09	R. K. Jana, B. Maheshwari and A. K. Shukla, "Generating Function for the extended Wright type hypergeometric function" Commun. Korean Math. Soc., 32 (2017), No. 1, pp. 75-84.
10	R. Das, <b>R. K. Jana</b> , M. De and M. Maiti, "Prices and order quantities of substitutable products in an EPQ Model over different uncertain finite budget constraints", Journal of Intelligent and Fuzzy Systems, 33 (2017), pp. 229-244.
11	<b>R. K. Jana</b> , S. J. Rapeli and <b>A. K. Shukla</b> , "Generalized Sheffer's classification and their q-analogue", Journal of Indian Mathematical Society, Vol. 84, No. 3-4 (2017).
12	J. P. Chauhan, P. V. Shah, R. K. Jana and <b>A. K. Shukla</b> , "Analytic and Approximate Solution of Fractional RLC Circuit model", accepted for publication in Ital. J. Pure and Appl. Math.
13	<b>R. K. Jana</b> , B. Maheshwari and <b>A. K. Shukla</b> , "Some properties of extended $\tau$ -hypergeometric function" accepted for publication in Commun. Korean Math. Soc.
14	Sushil Kumar, R. S. Damor and <b>A. K. Shukla</b> , Numerical study on thermal therapy of triple layer skin tissue using fractional bioheat model,International Journal of Biomathematics (Accepted for publication)
15	Vijay Saw and <b>Sushil Kumar</b> , Second kind Chebyshev polynomials for solving space fractional advectiondispersion equation using collocation method, Iranian Journal of Science and Technology, Transactions A: Science, Online first on 30 Jan 2018, <a href="https://doi.org/10.1007/s40995-018-0480-5">https://doi.org/10.1007/s40995-018-0480-5</a>
16	<b>Ajay Kumar</b> , <b>Sushil Kumar</b> , V. K. Katiyar and Shirley Telles, Dual phase lag bio-heat transfer during cryosurgery of lung cancer: comparison of three heat transfer models, Journal of Thermal Biology, Volume 69, October 2017, pp 228237.
17	<b>Sushil Kumar and Sonalika Singh</b> , Numerical study on biological tissue freezing using dual phase lag bio-heat equation, chapter in book: BIOMAT 2017, Springer (accepted for publication)
18	Vijay Saw and <b>Sushil Kumar</b> , The approximate solution for multi-term the fractional order initial value problem using collocation method based on shifted Chebyshev polynomials of the first kind, chapter in: Information Technology and Applied Mathematics (Advances in Intelligent System and Computing Series),Springer (accepted for publication)
19	Ratnamala Badge & <b>Neeru Adlakha</b> , 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
20	Babita Kumari and <b>Neeru Adlakha</b> , 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
21	Mansha Kotwani & <b>Neeru Adlakha</b> , 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
22	Babita Kumari and <b>Neeru Adlakha</b> , 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
23	A Makrariya & <b>Neeru Adlakha</b> , Thermal Patterns in Peripheral Regions of Breast during Different Stages of Development, Biology and Medicine 9 (1), 1, 2017
24	A Makrariya & <b>Neeru Adlakha</b> , Quantitative Study of Thermal Disturbances Due to Nonuniformly Perfused Tumors in Peripheral Regions of Women's Breast , Cancer Informatics, SAGE Publications, 2017



APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
25	Chhaya Singh and <b>Neeru Adlakha</b> , 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
26	Ratnamala Badge & <b>Neeru Adlakha</b> , 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.
27	<b>Bulsara, H. P.</b> , and Singh R. A., (2017). Pre-Election Branding Strategies of Bhartiya Janta Party in Indian General Election 2014: A Content Analysis. <i>International Journal of Applied Business and Economic Research</i> , 15(15), 331-349. (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.11)
28	<b>Hemantkumar P. Bulsara</b> , Sajal Kabiraj, Meenu Shant Priya and Samant Shant Priya. (2017). Exploring Green Business Functions and Green Brand Equity: Proposition of a Conceptual Framework. <i>International Journal of Qualitative Research in Services</i> . Inderscience, 2(4), 262-279
29	<b>Bulsara, H. P.</b> , and Singh R. A., (2017). Political Marketing Lessons from Brand Trump: Unleashing the Future Amplitude of Research. <i>AshEse Journal of Business Management</i> , 3(2), 103-115
30	<b>Bulsara, H. P.</b> , N. K. (2017). An Exploratory Study of Consumer Behaviour towards Ayurvedic Medicine and Practices: A Review. <i>Int. J. Res Ayurveda Pharm</i> ,8(4), 22-28. (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS)
31	<b>Bulsara, H. P.</b> , N. K. (2017). A Study Of Patient's Satisfaction Towards Ayurvedic Hospitals/Clinics At Valsad District Of Gujarat, India. <i>International Journal of Applied Business and Economic Research</i> , 15(15), 231- 236. (SCI list : <a href="http://www.scimagojr.com/">http://www.scimagojr.com/</a> driven by SCOPUS) (SJR – 0.11)
32	Rachana Desai and <b>A. K. Shukla</b> (2017): Some results on function $pRq(\alpha, \beta; z)$ , Journal of Mathematical Analysis & Applications, 448, 187-197 (Elsevier).
33	Subhanshu Goyal, Sushil Kumar ,M. A. Zaveri and A.K.Shukla (2017): Fuzzy Similarity Measure Based Spectral Clustering Framework for Noisy Image Segmentation , International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Vol. 25, No. 4, 649–673 (World Scientific Publishing Company).
34	<b>A.K. Shukla</b> and S. J. Rapeli (2017): Corrigendum to “An Extension of Sheffer Polynominals”, <i>Proyecciones Journal of Mathematics</i> , Vol. 36, No 3, 1-3. (SciELO)
35	Beg, I., Gopal, D., Dosenovic, T., Rakic, D., $\alpha$ -type fuzzy H-contractive mappings in fuzzy metric space, Fixed Point Theory (SCI), 2018.
36	<b>Gopal, D.</b> , Karapinar, E., Remark on P-D operator (15), Thai Journal of Mathematics (Scopus), 2017.

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

APPLIED MECHANICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>Prof. (Dr.) C. H. Solanki</b> , “Regional Normalized Empirical Correlations for the Compression Index (Cc) of Soil – A Critical Overview” International Journal of Civil Engineering & Technology (IJCIET)
02	<b>Prof. (Dr.) C. H. Solanki</b> , “Lateral Response of Contiguous Pile Wall Subjected to Staged Excavation: Physical and Numerical Investigations” Indian Geotech J
03	<b>Prof. (Dr.) C. H. Solanki</b> , “Characterization of Ground Profile Using Multichannel Analysis of Surface Wave at Somnath Temple” International Journal Of Civil Engineering & Technology
04	<b>Prof. (Dr.) C. H. Solanki</b> , “Characterization of Ground Profile Using Multichannel Analysis of Surface wave at Somnath Temple” International Journal of Civil Engineering and Technology
05	<b>Prof. (Dr.) C. H. Solanki</b> , “Regional Normalized Empirical Correlations for the Compression Index (Cc) of Soil – A Critical Overview” International Journal of Civil Engineering & Technology (IJCIET)
06	<b>C. D. Modhera</b> , “Durability of Concrete Incorporating Blast Furnace Slag to Reduce Cement Consumption Under MgSO <sub>4</sub> Exposure” PiCET 2018, Published in Mc. Graw hill Publication Proceedings
07	<b>C. D. Modhera</b> , “Experimental Study to Make Sustainable Concrete by Reducing Cement Consumption and CO <sub>2</sub> Emission in Environment” VIER Journal of Engineering Research Volume 4, Article in press, 2018
08	<b>C. D. Modhera</b> , “Mix Proportioning And Strength Prediction Of High Performance Concrete Including Waste Using Artificial Neural Network”, International Journal of Civil and Environmental Engineering, Vol:12, No:2, 2018, pp - 124-127
09	<b>C. D. Modhera</b> , “Durability of Concrete Incorporating Blast Furnace Slag to Reduce Cement Consumption Under MgSO <sub>4</sub> Exposure”, PiCET 2018, Published in Mc. Graw hill Publication Proceedings
10	<b>C. D. Modhera</b> , “Experimental Study to Make Sustainable Concrete by Reducing Cement Consumption and CO <sub>2</sub> Emission in Environment” VIER Journal of Engineering Research Volume 4, Article in press, 2018

APPLIED MECHANICS DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
11	<b>C. D. Modhera</b> , "Mix Proportioning And Strength Prediction Of High Performance Concrete Including Waste Using Artificial Neural Network", International Journal of Civil and Environmental Engineering, Vol:12, No:2, 2018, pp - 124-127
12	<b>Dr. D .B .Raijiwala</b> , "Utilization of coconut shell charcoal in Mortar samples" International Journal of Innovative Research in Science, Engineering and Technology((An ISO 3297: 2007 Certified Organization)Website: <a href="http://www.ijirset.com">www.ijirset.com</a> , Vol. 6, Issue 4, April 2017)
13	<b>Dr. D .B .Raijiwala</b> , "Investigations on the properties of Coconut shell charcoal concrete" International Journal of Civil Engineering and Technology (IJCIET)Volume 8, Issue 4, April 2017, pp. 1376–1383 Article ID: IJCIET_08_04_155 Available online at <a href="http://www.iaeme.com/IJCIET/issues.asp? JType=IJCIET&amp;VType=8&amp;I Type=4">http://www.iaeme.com/IJCIET/issues.asp? JType=IJCIET&amp;VType=8&amp;I Type=4</a> ISSN Print: 0976-6308 and ISSN Online: 0976-6316
14	<b>Dr. Atul K. Desai</b> , "Non-Linear Time History Analysis of Tall Steel Tower Considering Soil Structure Interaction" International Journal of Engineering Research &Technology (IJERT) ISSN: 2278-0181 Vol. 6 Issue 03, March-2017, Page No. 248 to 252.
15	<b>Dr. Atul K. Desai</b> , "Dynamic Response of Wind Mill Considering Soil Structure Interaction" International Journal of Engineering Research & Technology (IJERT) ISSN: 2278-0181 Vol. 6 Issue 05, May-2017, Page No. 63 to 67.
16	<b>Dr. Atul K. Desai</b> , "Comparative Parametric Study For Post-Tension Flat Slab And Flat Slab With Drop System" International Journal Of Civil Engineering & Technology (Ijciety), Volume 8, Issue 5, May 2017, pp. 33–41
17	<b>Dr. Atul K. Desai</b> , "Dynamic analysis of innovative hybrid wind mill tower considering soil structure interaction" International journal of engineering and technology (ISSN: 1793-8236) vol. 10 no.5 October 2018, Page No. 380-385
18	<b>Dr. Atul K. Desai</b> , "Seismic Analysis of Structurally Hybrid Wind Mill Tower" World Academy of Science, Engineering and Technology International Journal of Structural and Construction Engineering Vol. 12, No 9, 2018 Page No. 822 to 827
19	<b>Dr. Atul K. Desai</b> , "Wind Effects on Pyramid Type Structure using Computational Fluid Dynamics" International Journal for Scientific Research & Development" Vol. 5, Issue 02, 2017, ISSN (online): 2321-0613
20	<b>Dr. Atul K. Desai</b> , "Non-Linear Seismic Analysis of Lattice- Monopole Type Wind Mill Tower on Different Soil Conditions" Global Journal of Engineering Science and Researches vol. 5 issue -9 sept 2018 Page No. 289-295
21	<b>Dr. Atul K. Desai</b> , "free vibrating analysis of building resting on sloping ground with different mode shapes" International Journal of civil and structural engineering research, ISSN (Online) 2348-7607, Volume 4, Issue 1 (April 2016), PP.26-31.
22	<b>Chandresh. H. Solanki, Sandip A. Vasanwala</b> , "Regional Normalized Empirical Correlations for the Compression Index (Cc) of Soil – A Critical Overview" International Journal of Civil Engineering & Technology (IJCIET),2017
23	<b>Vasanwala, S. A., &amp; Modhera, C. D.</b> , "Traditional Methods for Strengthening of reinforced Concrete Beams" International Journal of Engineering Development and Research,2017
24	<b>Vasanwala, S. A., &amp; Modhera, C. D.</b> , "Shear Strengthening Of Ferro-Cement & Micro Concrete International Journal of Civil Engineering and Technology,2018
25	<b>S. A. Vasanwala</b> , Piled raft design approach for a high rise building on Tithal road, Valsad, Gujarat" Journal of Geotechnical Engineering
26	<b>Dr. S A Vasanwala</b> , "A parametric study on behaviour of piled raft foundation-structure interaction effects on seismic performance of multi-story regular RC MRF building"International Journal of Civil Engineering and Technology (IJCIET),2018
27	<b>Shruti J Shukla</b> , "Dynamic Analysis of Piled Block Foundation Using SAP: 2000 VS. 18" International Journal of Innovative Research inScience,EngineeringandTechnology. Volume6, Issue6, June2017. ISSN:2319 – 8753.
28	<b>Dr. Satyajit Patel</b> , "A comparative study of slags stabilized with fly ash and dolime for utilization in base course", J. Materials in Civil Engg., ASCE, Vol. 29, No. 10, pp. 1-8 (2017)
29	<b>Dr. Satyajit Patel</b> , "Numerical Studies on Ground Improvement Using Geosynthetic Reinforced Sand Layer" Int. Conference, GeoMEast, Sharm El-Sheik, Egypt ( July2017)
30	<b>Dr. Satyajit Patel</b> , "Effective Utilization of Construction & Demolition Waste, Pond Ash in Combination with Geosynthetics in Flexible Road Pavement" Int. Conference on Environmental Geotechnology, Recycled waste materials and Sustainable Engineering, NIT Jalandhar (March2018)
31	<b>Dr. Satyajit Patel</b> , "Effect of Zinc Contamination on Engineering Properties of Clayey Soils" Int. Conference on Environmental Geotechnology, Recycled waste materials and Sustainable Engineering, NIT Jalandhar (March2018)
32	<b>Dr. Satyajit Patel</b> , "Laboratory and FEM Study on Construction &Demolition Waste and Fly Ash for Use as a Pavement Material" Int. Symposium on Geotechnics of Transportation Infrastructure, IIT Delhi (April2018)
33	<b>Dr. Satyajit Patel</b> , "Utilization of Class 'C' Fly Ash in Flexible Pavement System- a Review" Int. Symposium on Geotechnics of Transportation Infrastructure, IIT Delhi (April 2018)
34	<b>Dr. S. R. Suryawanshi</b> , "Equation for stress-strain relationship of recycled aggregate concrete in axial compression" Journal Name: Magazine of Concrete Research, Indexed in SCI

CIVIL ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>Jayantilal N. Patel</b> 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
02	Smita Varade and <b>Jayantilal N. Patel</b> , 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-
03	Smita Varade and <b>Jayantilal N. Patel</b> , 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
04	Smita Varade and <b>Jayantilal N. Patel</b> , Determination of Optimum Cropping Pattern Using Advanced Optimization Algorithms, ASCE's Journal of Hydrologic Engineering, Vol -23, No- 6, 2018, PP 1-9
05	Manisha Desai and <b>Jayantilal Patel</b> , 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
06	Manisha Desai and <b>Jayantilal Patel</b> , 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
07	Pranita N. Balve and <b>Jayantilal N. Patel</b> , Optimisation of Multireservoir Operation Policy using Teaching-Learning Based Optimisation (TLBO) Algorithm, Journal of Science and Technology Manuscript ID JST-0898-2017.R2, Accepted on 17-01-2018
08	Pawan N. Bhavsar and <b>Jayantilal N. Patel</b> , Event Based Rainfall Runoff Modelling and Uncertainty Analysis for Lower Tapi Basin, India, ISH Journal of Hydraulic Engineering, Published on 03-05-2018 pp 1-10
09	Sharma, P. J., Loliyana, V. D., Resmi, S. R., <b>Timbadiya, P. V., &amp; Patel, P. L.</b> , Spatiotemporal trends in extreme rainfall and temperature indices over Upper Tapi Basin, India, Theoretical and Applied Climatology, 134(3-4), 1329-1354. DOI: 10.1007/s00704-017-2343-y.
10	<b>J.E.M. Macwan</b> , Hecson Christian "Parametric weight assessment for landfill site selection" IJCIET Jan 2018
11	<b>J.E.M. Macwan</b> , Digant pastagia," Weights for Pre and Post occupancy parameters of residential Green Buildings" IAEME Dec 2017
12	Kumar, V. and <b>Yadav, S.M.</b> , Optimization of Reservoir Operation with a New Approach in Evolutionary Computation Using TLBO Algorithm and Jaya Algorithm. Water Resources Management, Springer, 32(13), pp.4375-4391 (2018). doi.org/10.1007/s11269-018-2067-5.
13	Ramkar, P., & <b>Yadav, S. M.</b> (2018). Spatiotemporal drought assessment of a semi-arid part of middle Tapi River Basin, India. International Journal of Disaster Risk Reduction, 28 (2018), 414-426. <a href="https://doi.org/10.1016/j.jdr.2018.03.025">https://doi.org/10.1016/j.jdr.2018.03.025</a>
14	Waikhom, S. I., & <b>Yadav, S. M.</b> A total load approach to predict bedload transport of Indian alluvial river. ISH Journal of Hydraulic Engineering, 24(1), 2018, 92-99.
15	Waikhom, S. I., & <b>Yadav, S. M.</b> Prediction of total load transport of an Indian alluvial river to estimate unmeasured bed load through an alternative approach. Current Science (00113891) 2017, 113(6).
16	M.P. Shaikh, V.G. Yadav, <b>S.M. Yadav</b> , Simulation of rainfall-runoff event using HEC-HMS model for Rel sub-basin, Gujarat, India, Journal of Emerging Technologies and Innovative Research, April 2018, Volume 5, Issue 4
17	H.A. Sonarghare, V.G. Yadav, <b>S. M. Yadav</b> , Comparison of Trend and Probability of Flood at Three Different Gauging Stations of Ambica River Journal of Emerging Technologies and Innovative Research, April 2018, Volume 5, Issue 4
18	S.R. Bhagat, V.G. Yadav, <b>S.M. Yadav</b> , Trend analysis of rainfall and temperature over Surat district of Gujarat state, Journal of Emerging Technologies and Innovative Research, April 2018, Volume 5, Issue 4
19	Sruthi G, Ahammed M M and <b>Makwana A R</b> (2018) Effect of source water/wastewater quality on bacterial removal during electrocoagulation, Water Science and Technology, 77, 1460-1468; DOI: 10.2166/wst.2018.024
20	Vinitha E V, <b>Ahammed M M</b> and Gadekar M R (2018) Chemical coagulation of greywater: modelling using artificial neural networks, Water Science and Technology, 2017, 869-877. doi.org/10.2166/wst.2018.263
21	Makwana A R and <b>Ahammed M M</b> (2017) Electrocoagulation process for the post-treatment of anaerobically treated urban wastewater, Separation Science and Technology, 52, 1412-1422
22	Gadekar, M.R., <b>Ahammed, M.M</b> (2018) Removal of disperse dye from aqueous solution in fixed-bed column by water treatment residuals, Desalination and Water Treatment, 102, 264–272. doi: 10.5004/dwt.2018.21840
23	Andharia BR, <b>Patel PL, Manekar VL, Porey PD.</b> "Prediction of bed level variations in nonuniform sediment bed channel". Sādhanā, 43(4):55, Apr 1, 2018.
24	Andharia, B. R., <b>Patel, P. L., Manekar, V. L., &amp; Porey, P. D.</b> (2018). "prediction of bed levels of aggrading channels". CURRENT SCIENCE, 114(8), 1697-1708, Apr 25, 2018 Numerical and experimental studies in
25	<b>Krupesh A. Chauhan</b> , Analysis of Level of Service (LOS), Delay, Queue length and Queue Stops at a Signalized intersection using Vissim – A Case study on Fatehaguj Circle Vadodara City, Nirma University Conference 2017(Nuicone 2017)
26	Khambete A. K , <b>Christian R. A.</b> and Anaokar G.S. "Prediction of Major Wastewater Characteristics of Urban Wastewater Treatment Plant Using Fuzzy Composite Programming" Water Conservation Science and Engineering, Springer Vol 2 (3), Page 99- 107., July 2017.
27	Shrikant B Randhavane, Anjali Khambete, "Chlorpyrifos: An Emerging Contaminant in Natural Environment and Treatment methods" Journal of Ecology, Environment and Conservation, 2018, 1.

CIVIL ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
28	K. A.Chitnis and Mrs. A.K.Khambete, "Common Effluent Treatment Plant: Current Scenario and Challenges in India", International Journal of Advance Engineering and Innovative technology (JAEIT); ISSN No. 2348-7208; Vol.3, Issue 1, July August 2016.
29	Randhavane Shrikant B. and <b>Khambete A. K.</b> , "Harnessing Hydroxyl Radicals Generated by Hydrodynamic Cavitation Reactor in Simultaneous Removal of Chlorpyrifos Pesticide and COD from Aqueous Solution"; Desalination and Water Treatment (SCI-E Indexed), July, 82 (2017) Page 346–354.
30	Shrikant Bhausaheb Randhavane, <b>Anjali K Khambete</b> , "Hydrodynamic Cavitation: An approach to Degrade Chlorpyrifos Pesticide from Real Effluent", KSCE Journal of Civil Engineering, (SCI-E Indexed), 2017, DOI: 10.1007/s12205-017-2045-0.
31	Shrikant B. Randhavane, <b>Anjali K. Khambete</b> , "Harnessing Hydroxyl Radical Generated by Hydrodynamic Cavitation Reactor in Simultaneous Removal of Chlorpyrifos Pesticide and COD from Aqueous Solution", Desalination and Water Treatment, 2017, 82, 346–354. doi: 10.5004/dwt.2017.20965.
32	Stiffness-based quality control Evaluation of modified Subgrade soil using lightweight deflectometer, ASCE, Journal of Materials in Civil Engineering, 29(9): page no.04017137-1 to 9, 2017. <b>Rakesh Kumar</b> , Vinod Kumar, and Sunny Deol
33	Structural Evaluation of Flexible Pavement Using Nondestructive Techniques in Low Volume Road, Advancement in the Design and Performance of Sustainable Asphalt Pavements, Sustainable Civil Infrastructures, Springer, (DOI 10.1007/978-3-319-61908-8_13) Pages: 168-184, 2017. <b>Rakesh Kumar</b> , Vinod Kumar, and Sunny Deol
34	A Correlation Between Lightweight Deflectometer Backcalculation and Dynamic Cone Penetrometer Values of Modified Subgrade Soil, Paper No: 17-04169, Transportation Research Board 96th Annual Meeting (TRB), 2017-1-8 to 2017-1-12, Washington DC, United States, 2017. <b>Rakesh Kumar</b> , Vinod Kumar, and Sunny Deol
35	Mayuri Prajapati, <b>Namrata Jariwala, Prasit Agnihotri</b> , (2017). "Spatial distribution of groundwater quality with special emphasis on fluoride of Mandvi Taluka, Surat, Gujarat, India", Applied Water Science (Springer), Vol. 7, No:8 , pp 4735-4742 , December 2017. DOI 10.1007/s13201-017-0636-z
36	Mayuri Prajapati, <b>Namrata Jariwala, Prasit Agnihotri</b> , (2018). "Geochemical Evaluation of Groundwater in the Mandvi Taluka of Surat, India", Journal of Environmental Protection, Vol.9, pp 67-89, January 2018.
37	Mayuri Prajapati, <b>Namrata Jariwala &amp; Prasit Agnihotri</b> ,(2018). "Evaluation of groundwater quality with special emphasis on fluoride contamination using multivariate statistical analysis in rural parts of Surat district, Gujarat", May 2018 ISH Journal of Hydraulic Engineering, (Taylor & Francis)
38	A Chepuri, N Raju, MS Bains, <b>SS Arkatkar, G Joshi</b> , Examining Performance of an Urban Corridor Using Microscopic Traffic Simulation Model under Mixed Traffic Environment in India, European Transport \ Trasporti Europei 24(69), 201814.
39	N Raju, P Kumar, A Jain, <b>SS Arkatkar, G Joshi</b> , Application of Trajectory Data for Investigating Vehicle Behavior in Mixed Traffic Environment, Transportation Research Record, 0361198118787364, 201818.
40	P Kumar, N Raju, A Mishra, <b>SS Arkatkar, G Joshi</b> , Validating Area Occupancy–Based Passenger Car Units and Homogeneous Equivalent Concept under Mixed Traffic Conditions in India, Journal of Transportation Engineering, Part A: Systems (ASCE) 144 (10), 04018064, 2018
41	A Chepuri, J Ramakrishnan, <b>SS Arkatkar, G Joshi</b> , SS Pulugurtha, Examining Travel Time Reliability-Based Performance Indicators for Bus Routes Using GPS-Based Bus Trajectory Data in India, Journal of Transportation Engineering, Part A: Systems (ASCE) 144 (5), 04018012, 2018.
42	P Kumar, <b>S Arkatkar, G Joshi</b> , New Approach for Estimating Passenger Car Units on Multilane Urban Roads with Heterogeneous Traffic Conditions, Journal of Transportation Engineering, Part A: Systems (ASCE) 144 (3), 04018002, 201815.
43	Jairam, BA Kumar, <b>SS Arkatkar</b> , L Vanajakshi, Performance Comparison of Bus Travel Time Prediction Models across Indian Cities, Transportation Research Record: Journal of the Transportation Research Board, 201816.
44	R Mishra, P Kumar, <b>SS Arkatkar</b> , AK Sarkar, <b>GJ Joshi</b> , Novel Area Occupancy–Based Method for Passenger Car Unit Estimation on Multilane Urban Roads Under Heterogeneous Traffic Scenario, Transportation Research Record: Journal of the Transportation Research Board, 201722.
45	MS Bains, <b>SS Arkatkar</b> , KS Anbumani, S Subramaniam, Optimizing and Modeling Tollway Operations Using Microsimulation: Case Study Sanand Toll Plaza, Ahmedabad, Gujarat, India, Transportation Research Record: Journal of the Transportation Research Board, 201723.
46	BA Kumar, R Jairam, <b>SS Arkatkar</b> , L Vanajakshi, Real time bus travel time prediction using k-NN classifier, Transportation Letters, 1-11, 2017.
47	<b>Ashish Dhamaniya</b> and Satish Chnadra "Influence of Operating Speed on Capacity of Urban Arterial Midblock Sections" International Journal of Civil Engineering. Springer Publications Iran 15(7) , 1053-1062 Year 2017
48	Sonu Mathew, Ashish Dhamaniya, <b>SS Arkatkar and GJ Joshi</b> "Roundabout Capacity in Heterogeneous Traffic Condition: Modification of HCM Equation and Calibration", Transport Research Procedia/2017 DOI: 10.1016/j.trpro.2017.12.147
49	<b>Ashish Dhamaniya</b> and Satish Chnadra "Effect of Traffic Mix on Capacity of Urban Arterial Roads" Transport Research Procedia/2017 DOI:org/10.1016/j.trpro.2017.05.297
50	Pinakin Patel and <b>Ashish Dhamaniya</b> "Effect of heterogeneous motorized traffic on saturation flow at signalized intersections" Transport Research Procedia/2017 DOI:org/10.1016/j.trpro.2017.05.297
51	<b>Ashish Dhamaniya</b> "Influence of Crossing Pedestrians at Undesignated Locations on Capacity of 4-lane Urban Midblock Sections" Journal of Traffic and Logistics Engineering Germany 5(1) / 2017

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
52	Navandar, Y.V., <b>Dhamaniya, A., and Patel, D. A.</b> , "Service Time Prediction Models for Manual Toll Booth Operation under Mixed Traffic Conditions", European Transport, Issue 68 ISSN 1825-3997, 2018.
53	Navandar, Y.V., <b>Dhamaniya, A., and Patel, D. A.</b> , "Headway Distribution for Manual Operated Tollbooths in India under Mixed Traffic Condition", Proceedings of the Institution of Civil Engineers Journal of Transport, ICE Publication. Thomas Telford Ltd., PP.1-9. (Impact factor: 0.402), 2018.
54	Navandar, Y.V., <b>Dhamaniya, A., and Patel, D. A.</b> , "Empirical Analysis of Level of Service based on Users Perception at Manual Tollbooth Operation in India." Transportation Research Procedia, 21st EURO Working Group on Transportation Meeting (EWGT-2018), Braunschweig, Germany, (Accepted for Publication). 2018.
55	Nisha Pritesh Soni, <b>Robin Alfred Christian, Namrata Dharmendra Jariwala</b> (2018), "Assessment of Environment Pollution Potential Index for Re-Categorization of Industries in Context of Developing Nations," International Journal of Ecological Science and Environmental Engineering. Vol. 5, No. 2, pp. 58-63. May 2018.

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Jigna Bhamore, Balaji Deshmukh, Varun Haran, Sanjay Jha, Rakesh Kumar Singhal, Nibedita Lenka, Suresh Kumar Kailasa and <b>Z.V.P. Murthy</b> , One-Step Eco-Friendly Approach for the Fabrication of Synergistically Engineered Fluorescent Copper Nanoclusters: Sensing of Hg <sup>2+</sup> ion and Cellular Uptake and Bioimaging Properties. <b>New Journal of Chemistry</b> , Vol.42 (No.2) (2018) 1510-1520.
02	Jibin Babu and <b>Z.V.P. Murthy</b> , Synthesis and Characterization of Nanocomposite PVA-SnO <sub>2</sub> Mixed Matrix Membranes and Application in Textile Effluent Treatment, <b>Chemical Engineering &amp; Technology</b> , Vol.41 (No.2) (2018) 294-302.
03	Saurabh C. Singh, Rupesh A. Khare, <b>Z.V.P. Murthy</b> , Effect of Hemicelluloses on Pulp Characteristics and Use of Ceramic Membranes in the Separation of Hemicelluloses from Highly Alkaline Industrial Process Stream, <b>Cellulose</b> , Vol.25(No.4) (2018) 2577-2588.
04	Jigna Bhamore, Sanjay Jha, Hirakendu Basu, Rakesh Kumar Singhal, <b>Z.V.P. Murthy</b> , Suresh Kumar Kailasa, Tuning of Gold Nanoclusters Sensing Applications With Bovine Serum Albumin and Bromelain for Detection of Hg <sup>2+</sup> Ion and Lambda-cyhalothrin via Fluorescence Turn-Off and On Mechanisms, <b>Analytical and Bioanalytical Chemistry</b> Vol.410 (No.11) (2018) 2781-2791.
05	Himanshu P. Kohli, <b>Smita Gupta, Mousumi Chakraborty</b> , Extraction of Ethylparaben by emulsion liquid membrane: Statistical analysis of operating parameters <b>Colloids and Surfaces A: Physicochemical and Engineering Aspects</b> , 539 (2018) 371-381. 21.
06	Gourav Mishra and <b>Mausumi Mukhopadhyay</b> , <u>Enhanced antifouling performance of halloysite nanotubes (HNTs) blended poly (vinyl chloride)(PVC/HNTs) ultrafiltration membranes: for water treatment</u> <b>Journal of Industrial and Engineering Chemistry</b> , 63, (2018), 366-379.
07	Preeti Dauthal and <b>Mausumi Mukhopadhyay</b> , Antioxidant activity of phytosynthesized biomatrix-loaded noble metallic nanoparticles", <b>Chinese Journal of Chemical Engineering</b> , 26, (2018), 1200-1208.
08	Sonia R. Lakhota, <b>Mausumi Mukhopadhyay</b> and Premlata Kumari, Cerium oxide nanoparticles embedded thin-film nanocomposite nanofiltration membrane for water treatment, scheduled for online publication in <b>Scientific Reports-Nature</b> , 8(1), (2018), 4976.
09	Dharmesh H. Sur and <b>Mausumi Mukhopadhyay</b> , Process parametric study for COD removal of electroplating industry effluent, 3 <b>Biotech</b> 8(2) (2018), 84.
10	Abhishek Kumar Singh and <b>Mausumi Mukhopadhyay</b> , Immobilization of lipase on carboxylic acid-modified silica nanoparticles for olive oil glycerolysis, <b>Bioprocess and Biosystem Engineering</b> , 41, (2018), 115-127.
11	O. Prakash, .P. Pushkar, <b>A. K. Mungray, A. A. Mungray, S. Kailasa</b> , Effect of geometrical position of a multi-anode system in power output and nutritional variation in benthic microbial fuel cells. <b>Journal of Environmental Chemical Engineering</b> 6(1), 2018, 1558-1568.
12	N Kumari, <b>J.V. Gohel, S.R. Patel</b> , Optimization of TiO <sub>2</sub> /ZnO bilayer electron transport layer to enhance efficiency of perovskite solar cell, <b>Materials Science in Semiconductor Processing</b> , 75 (2018) 149–156.
13	Sagar M. Kapadiya, <b>Jigisha Parikh, Meghal A. Desai</b> , A greener approach towards isolating clove oil from buds of <i>Syzygium aromaticum</i> using microwave radiation, <b>Industrial Crops and Products</b> , 112, (2018) 626-632.
14	Miral R. Thakker, <b>Jigisha K. Parikh, Meghal A. Desai</b> , "Ultrasound assisted hydrotropic extraction: A greener approach for the isolation of geraniol from the leaves of <i>Cymbopogon martinii</i> ", <b>ACS-Sustainable Chemistry and Engineering</b> , 6, (2018) 3215-3224.
15	<b>Smita Gupta</b> , Application of Artificial Neural Network (ANN) for the Extraction of a Non-Steroidal Anti-Inflammatory Drug through Emulsion Liquid Membrane, <b>International Journal of Engineering Technology Science and Research</b> , 5(1) (2018) 1245-1251.
16	Shilpa K Nandwani,, <b>Mousumi Chakraborty, Smita Gupta</b> , Application of Ionic Liquid Based Viscoelastic Surfactant in Enhanced Oil Recovery Process, <b>International Journal of Engineering Technology Science and Research</b> , 5(1) (2018) 1310-1315.
17	Sanjay Srivastava, <b>G.C. Jadeja, Jigisha Parikh</b> , Copper-cobalt catalyzed liquid phase hydrogenation of furfural to 2-methyl furan: An optimization, kinetics and reaction mechanism study, <b>Chemical Engineering Research and Design</b> , 132, 2018, 313-324.

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
18	Harshal A. Gulhane and <b>Z.V.P. Murthy</b> , Separation of Benzene-Isooctane Mixtures Using Poly (Vinyl Alcohol) / Graphene Composite Pervaporation Membranes, Accepted for Publication in <b>Journal of Polymer Materials</b> , Vol.34 (No.2) (2017) 439-453.
19	Saurabh C. Singh and <b>Z.V.P. Murthy</b> , Hemicelluloses Separation from Caustic Containing Process Stream by Ultrafiltration, <b>Separation Science and Technology</b> , Vol.52(No.14) (2017) 2252-2261.
20	Ganesh B. Thorat, <b>Smita Gupta</b> , and <b>Z.V.P. Murthy</b> , Synthesis, Characterization and Application of PVA/Ionic Liquid Mixed Matrix Membranes for Pervaporation Dehydration of Isopropanol, <b>Chinese Journal of Chemical Engineering</b> , Vol.25 (No.10) (2017) 1402-1411.
21	Paresh H. Rana, <b>Parimal A. Parikh</b> , Bioethanol Valorization via its Gas Phase Oxidation over Au &/or Ag supported on various Oxides, <b>J. Ind. Eng. Chem.</b> , 47 (2017) 228-235
22	Paresh H. Rana, <b>Parimal A. Parikh</b> , Bioethanol Selective Oxidation to Acetaldehyde over Ag-CeO <sub>2</sub> : Role of Metal - Support Interactions, <b>New J. Chem.</b> , 41(2017) 2636-2641.
23	Vaishali Umrigar, <b>Mousumi Chakraborty</b> , <b>Parimal A. Parikh</b> , Study of the reaction paths for Cleaner production of Nitrochlorobenzenes using Microwave Irradiation, <b>Chemical Engineering Research and Design</b> , 117 (2017) 369-375.
24	Yogesh D. Shinde, <b>Mousumi. Chakraborty</b> , and <b>Parimal A. Parikh</b> , n-Hexane isomerization: Exploit hydrogen spillover to reduce catalyst costs, <b>Progress in Reaction Kinetics and Mechanism</b> , 42(1) (2017) 62-68
25	Shilpa K. Nandwani, Naved I. Malek, <b>V.N. Lad</b> , <b>Mousumi Chakraborty</b> , <b>Smita Gupta</b> , 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.
26	V. Umrigar, <b>Mousumi Chakraborty</b> , <b>P A Parikh</b> , Study of the reaction paths for cleaner production of nitrochlorobenzenes using microwave irradiation, <b>Chemical Engineering Research and Design</b> 117 (2017) 369-375.
27	Bhagwan Pralhad Parihar, <b>Mousumi Chakraborty</b> , <b>Smita Gupta</b> , Application of pseudo-emulsion hollow fiber strip dispersion system for the removal of propylparaben from the aqueous solutions, <b>Desalination and Water Treatment</b> , 73 (2017) 301-307.
28	Y. R. Suryawanshi, <b>Mousumi Chakraborty</b> , S. Jauhari, S. Mukhopadhyay, K. T. Shenoy, Selective Hydrogenation of 4',4''(5'')-Di-Tert-Butyldibenzo-18-Crown-6 Ether over Rh $\gamma$ -Al <sub>2</sub> O <sub>3</sub> Nanocatalyst, <b>International Journal of Chemical Reactor Engineering</b> , 15 (2017) 35-44.
29	Gourav Mishra and <b>Mausumi Mukhopadhyay</b> , Flux improvement, rejection, surface energy and antibacterial study with synthesized TiO <sub>2</sub> -Mo.HNTs/PVC nanocomposite ultrafiltration membrane, <b>New Journal of Chemistry</b> , 41, (2017), 15049.
30	Dharmesh H. Sur and <b>Mausumi Mukhopadhyay</b> , Process aspects of three-phase inverse fluidized bed bioreactor: A review, <b>Journal of Environmental Chemical Engineering</b> , 5, (2017), 3518-3528.
31	<b>V.N. Lad</b> and <b>Z.V.P. Murthy</b> , Breakup of free liquid jets influenced by external mechanical vibrations. <b>Fluid Dyn. Res.</b> 49 (1), 2017, 015503.
32	P. Pardeshi, <b>A.A. Mungray</b> , <b>A. K. Mungray</b> , Polyvinyl chloride and layered double hydroxide composite as a novel substrate material for the forward osmosis membrane. <b>Desalination</b> 421, (2017) 149-159.
33	Nitu Kumari, <b>Sanjaykumar R. Patel</b> , <b>Jignasa V. Gohel</b> , Optimization of type and concentration of dopant (Sb and Al) for ZnO thin films prepared by spray pyrolysis technique and their applications in perovskite solar cells, <b>International Journal of Research</b> , Vol. 4 (2017) 938-941.
34	<b>J. V. Gohel</b> , <b>A. K. Jana</b> and M. Singh, Highly enhanced photocurrent of novel quantum-dot-co-sensitized PbS-Hg/CdS/Cu:ZnO thin films for photo electrochemical applications, <b>Applied Physics A</b> , Vol. 123, (2017), 506
35	Sanjay Srivastava, <b>G.C. Jadeja</b> , <b>Jigisha Parikh</b> , Studies on influence of supports for selective production of 2,5-dimethylfuran via bimetallic copper-cobalt catalyzed 5-hydroxymethylfurfural hydrogenolysis, <b>Chinese Journal of Catalysis</b> , 38, 2017, 699-709.
36	<b>Parimal A. Parikh</b> , Counter-intuitive Comparable Diffusivity of Xylene Isomers in Zeolitic Mesopores: Adsorption and Catalytic Confirmation, Accepted, <b>Indian J. Chem. Technol.</b> , 24 (2017) 517-524.
37	<b>Sanjaykumar R. Patel</b> and <b>Parth R. Kayastha</b> , Ultrasound Assisted Cooling Crystallization of Lactose Monohydrate, <b>International Journal of chemical and molecular Engineering</b> , 12(2) (2018) 39-42.
38	Yadav. T., <b>Mungray, A.A.</b> , <b>Mungray, A. K.</b> Generation of TiO <sub>2</sub> nanoparticle-based acacia saturated eggshell biocomposite for pathogen removal. <b>Environmental Nanotechnology, Monitoring &amp; Management</b> , 9, 2018, 50-57.
39	Chetan Sharma, <b>Meghal A. Desai</b> , <b>Sanjaykumar R. Patel</b> , Ultrasound-assisted anti-solvent crystallization of telmisartan using Dimethyl Sulfoxide as organic solvent, <b>Crystal Research and Technology</b> , 53 (3) 2018, 1-9.
40	N Kumari, <b>S.R. Patel</b> , <b>J.V. Gohel</b> , Current Progress and Future Prospective of Perovskite Solar Cells: A comprehensive Review, <b>Reviews of advanced materials science</b> 53 (2) (2018) 161-186.

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Subhanshu Goyal, Sushil Kumar, M. A. Zaveri, and A. K. Shukla, "Fuzzy Similarity Measure based Spectral Clustering Framework for Noisy Image Segmentation", <b>International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems</b> , Vol. 25, No. 4 (2017), pp. 649-673, July 2017.

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
02	Saurabh K. Pandey and Mukesh A. Zaveri, "Quasi Random Deployment and Localization for Layered Framework in the Internet of Things", The Computer Journal, Oxford University Press, Vol. 61(2), pp. 159-179, (accepted April 2017) February 2018.
03	Bharat Tidke, Rupa Mehta, Jenish Dhanani, "Evolutionary and Heterogeneous Social Network Data: A Survey on State-of-the-Art, Technologies, Challenges and Future Research Directions", Artificial Intelligence Review, Springer, May-2018. (SCI) (Under Review)
04	Tidke, B., Mehta, R., & Dhanani, J., SIRIF: Supervised influence ranking based on influential network. Journal of Intelligent & Fuzzy Systems, IOS Press, 35, 1225–1237, 2018. (SCIE)
05	Ruchika Gupta and Udai Pratap Rao, "A Hybrid Location Privacy Solution for Mobile LBS," Mobile Information Systems, vol. 2017, Article ID 2189646, 11 pages, 2017.
06	Ruchika Gupta, Udai Pratap Rao, "Achieving Location Privacy through CAST in Location Based Services", Journal of Communications and Networks, IEEE ComSoc, vol. 19, no. 3, 2017, pp. 239-249.
07	Ruchika Gupta, Udai Pratap Rao, "An Exploration to Location Based Service and Its Privacy Preserving Techniques: A Survey", Wireless Personal Communications, Springer, Volume 96, no. 2, 2017, pp. 1973-2007.
08	Brijesh B Mehta, Udai Pratap Rao, "Privacy Preserving Big Data Publishing: A Scalable k-Anonymization Approach using MapReduce", IET Software, Volume 11, Issue 5, 2017
09	Macwan, K. R., & Patel, S. J.. Node Differential Privacy in Social Graph Degree Publishing. Procedia computer science, 143, 786-793, 2018
10	Macwan, K. R., & Patel, S. J. k-NMF Anonymization in Social Network Data Publishing. The Computer Journal, 61(4), 601-613, 2018

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	H.S. Pandya and <b>A. Chowdhury</b> , Short Term Scheduling of Rural Residential Electricity Demand by A Smart Micro Grid , International Journal of Control Theory and Applications Volume : No.10 (2017) Issue No. :6 (2017)Pages : 435-448
02	H.S. Pandya and <b>A. Chowdhury</b> Optimum scheduling based on price responsive analysis of the residential microgrid, International journal of Engineering, Science and Technology, Vol. 9 No. 6, June, 2017.
03	Preclusion of partial discharge from transformer insulation - a design perspective, Dhruvesh Mehta, Prasanta Kundu, <b>Anandita Chowdhury</b> and Lakhiani V K., The Journal of CPRI, Vol. 13, No.2, June 2017
04	Deepak M. Sonje, P. Kundu and <b>A. Chowdhury</b> , An Innovative Approach for Multiple Faults Detection in Induction Motor Using Statistical Time Measures and Random Forest Classifier, International Journal of Control Theory and Applications <b>Volume</b> : No.10 (2017), <b>Issue No.</b> :6 (2017) <b>Pages</b> : 317-325
05	Sandhya Rathore and <b>Shambhu N Sharma</b> , Effect of switching uncertainty on a boost converter under a coloured noise influence, International Journal of Dynamics and Control, a Springer Journal, vol 5, Issue 2, pp 274–286, June 2017.
06	Ravish H Hirpara and <b>Shambhu N Sharma</b> , A stochastic single machine-infinite bus system in nonlinear filtering contexts, Journal of Control Engineering and Applied Informatics (CEAI), (SCIE), vol. 19, no.4, pp. 34-42, July2017.
07	M Dixit, <b>P Kundu</b> , <b>H R Jariwala</b> , Integration of distributed generation for assessment of distribution system reliability considering power loss, voltage stability and voltage deviation - Energy Systems, Vol. 8 Issue. 4, Aug.2017
08	M. Dixit, <b>P. Kundu</b> , and <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, no. 2, pp. 482-493, 2017.
09	Kamani Piyushkumar L., and <b>Mahmadasraf A. Mulla</b> , "Middle-level SHE Pulse-Amplitude Modulation for Cascaded Multilevel Inverters", IEEE Transactions on Industrial Electronics (2017).
10	Ashok Kherodia, <b>A. K. Panchal</b> , "Poole-Frenkel emission and defect density in a-Si:H/nc-Si:H multilayer films for "all silicon" third generation photovoltaics", Thin Solid Films (2017) 654, 16-22.
11	Ashok Kherodia, <b>A. K. Panchal</b> , "Analysis of thickness-dependent optical parameters of a-Si:H/nc-Si:H multilayer thin films", Materials for Renewable and Sustainable Energy (2017) 23, 1-6.
12	Ashok Kherodia, <b>A. K. Panchal</b> , "Effects of hydrogen dilution on opto-structural properties of hot-wire CVD grown a-Si:H/nc-Si:H multilayer for photovoltaics", Silicon (2017), DOI 10.1007/s12633-017-9629-7.
13	C.K. Lad and <b>R. Chudamani</b> , " A Simple overlap angle control strategy for reducing commutation ripple in a brushless DC motor Drive.," Engineering Science and Technology, an International Journal, Vol. 20, pp. 1406-1419, 2017.
14	C.K. Lad and <b>R. Chudamani</b> , " A Simple Overlap Angle Control strategy for BLDC motor Drive for Commutation Torque Minimization and its Comparative Evaluation with other Techniques," IET Electric Power Application, 2018. (available online)[ <a href="http://digital-library.theiet.org/content/journals/10.1049/iet-epa.2017.0644">http://digital-library.theiet.org/content/journals/10.1049/iet-epa.2017.0644</a> ]
15	Deepak M. Sonje, <b>P. Kundu</b> and <b>A. Chowdhury</b> , "An Innovative Approach for Multiple Faults Detection in Induction Motor Using Statistical Time Measures and Random Forest Classifier", International Journal of Control Theory and Applications, vol.10, pp.317-325, 2017.

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
16	Deepak M. Sonje, <b>P. Kundu</b> , and A. Chowdhury, "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.
17	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.
18	M Dixit, <b>P Kundu</b> , Hitesh R. Jariwala, Integration of distributed generation for assessment of distribution system reliability considering power loss, voltage stability and voltage deviation - Energy Systems, Vol. 8 Issue. 4, Aug.2017
19	Mukul Dixit, <b>Prasanta Kundu</b> , Hitesh R. Jariwala, Gbest-guided artificial bee colony algorithm based simultaneous placement of distributed generation and shunt capacitor in distribution networks, International Journal of Power Electronics Inderscience, March-2018
20	Mukul Dixit, <b>Prasanta Kundu</b> and Hitesh R. Jariwala, Gbest-Guided Artificial Bee Colony Optimization Algorithm-Based Optimal Incorporation of Shunt Capacitors in Distribution Networks under Load Growth, Journal of Intelligent Systems, January-2018
21	A. K. Giri, <b>S. R. Arya</b> , <b>R. Maurya</b> and B. C. Babu, "Power Quality Improvement in Stand-alone SEIG based Distributed Generation System using Lorentzian Norm Adaptive Filter," IEEE Transactions on Industry Applications, doi: 10.1109/TIA.2018.2812867(Accepted)
22	S. K. Patel, <b>S. R. Arya</b> , <b>R. Maurya</b> and B. C. Babu, "Control Scheme for DSTATCOM based on Frequency Adaptive Disturbance Observer," IEEE Journal of Emerging and Selected Topics in Power Electronics, doi: 10.1109/JESTPE.2018.2808191(Accepted)
23	B. R. Ananthapadmanabha, <b>R. Maurya</b> and <b>S. R. Arya</b> , "Improved Power Quality Switched Inductor Cuk Converter for Battery Charging Application," IEEE Transactions on Power Electronics, doi: 10.1109/TPEL.2018.2797005 (Accepted)
24	A. K. Giri, A. Q. Qureshi, <b>S. R. Arya</b> , <b>R. Maurya</b> and B. C. Babu, "Features of Power Quality in Single Phase Distributed Power Generation using Adaptive Nature Vectorial Filter," IEEE Transactions on Power Electronics, doi: 10.1109/TPEL.2017.2789209. (Accepted)
25	B.R. Ananthapadmanabha, <b>Rakesh Maurya</b> and <b>Sabha Raj Arya</b> , "Bidirectional converter for electric vehicle battery charging with power quality features" International Transactions Electrical Energy System2018;e2589. <a href="https://doi.org/10.1002/etep.2589">https://doi.org/10.1002/etep.2589</a> (John Wiley and Sons)
26	B.R. Ananthapadmanabha, <b>Rakesh Maurya</b> and <b>Sabha Raj Arya</b> , "Hybrid Converter for Electric Vehicle Battery Charging with Power Quality Features," International Journal of Computational Systems Engineering. 2018 (Accepted)
27	Shaikh Mo.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.
28	Ashish Patel, <b>Sabha Raj Arya</b> and Ashutosh Giri, "Isolated power generation system using permanent magnet synchronous generator with improved power quality," Accepted for Publication in Institution of Engineers Section-B. (J. Inst. Eng. India Ser. B <a href="https://doi.org/10.1007/s40031-018-0316-x">https://doi.org/10.1007/s40031-018-0316-x</a> ), Published online: March 09, 2018.
29	Vishal E. Puranik and <b>Sabha Raj Arya</b> , "Load conductance estimation based control algorithm for shunt connected custom power devices," Asian Power Electronics Journal, Vol. 11, No. 1, PP.14-20, July 2017.
30	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
31	Dharmesh D. Patel, N. G. Chothani, <b>K. D. Mistry</b> , "An Evolution on Power Transformer Protection with History, Current and Upcoming Development.", Journal of Power Technologies, Jan 24, 2018 ( Accepted)
32	Dharmesh D. Patel, N. G. Chothani, <b>K. D. Mistry</b> , "Design and Development of Fault Classification Algorithm Based on Relevance Vector Machine for Power Transformer", IET Electrical Power Application, 24th Jan 2018 (Accepted)
33	Pritam Keshavdas Gujarathi, Varsha A. Shah Makarand M.Lokhande,"Single Converter Topology for Converted Plug-In Hybrid Electric Vehicle" International Journal of Applied Science, Engineering and Management, Volume 4, Issue 2, Pages: 30-42, ISSN: 2454-9940 doi: <a href="https://crupid.org/02.03">https://crupid.org/02.03</a> .
34	Pritam Keshavdas Gujarathi, Varsha A. Shah Makarand M. Lokhande, "Emission Reduction and Improvement in Fuel Economy by Fuzzy Algorithm for Converted Plug-In Hybrid Electric Vehicle", Journal of Advanced Research in Dynamical and Control Systems, Special Issue 06, pages: 1071-1076, May-2018, ISSN: 1943-023X, published by Institute of Advanced Scientific Research, USA
35	Pritam Keshavdas Gujarathi, Varsha A. Shah Makarand M. Lokhande, "EV in India: Market Analysis with Consumer Perspective, Policies and Issues", Journal of Green Engineering, Vol. 8_1, pages: 17-36, doi: 10.13052/jge1904-4720.813, River Publishers, Denmark, January-2018

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Rahul Yadav, <b>Piyush N. Patel</b> , <b>V. N. Lad</b> , "Highly Selective Colorimetric Detection of Cd <sup>2+</sup> Ions Using Cysteamine Functionalized Gold Nanoparticles with Cross-Linked DL-Glyceraldehyde," Research on Chemical Intermediates - Springer, pp. 1-13, Dec-2017. Published Early Access. (Available online: <a href="https://link.springer.com/article/10.1007/s11164-017-3230-y">https://link.springer.com/article/10.1007/s11164-017-3230-y</a> ) (SCI IF: 1.369)
02	Ratnesh Kumari, <b>Piyush N. Patel</b> , <b>Rahul Yadav</b> , "An ENG Resonator-Based Microwave Sensor for the Characterization of Aqueous Glucose," Journal of Physics D: Applied Physics, Published Early access, 8-Jan, 2018



ELECTRONICS ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	(DOI: <a href="https://doi.org/10.1088/1361-6463/aaa5c5">https://doi.org/10.1088/1361-6463/aaa5c5</a> )(SCI IF: 2.588)
03	Sarosh Dastoor, <b>U. D. Dalal, J. N. Sarvaiya</b> , "Cellular Planning for Next Generation Wireless Mobile Network using novel Energy Efficient CoMP" spinger Cluster Computing. ESCI. (online available from 24 <sup>th</sup> February 2018)
04	Rasila R. Hirani, Surya K. Pathak, <b>Shweta N. Shah</b> , Dushyant K. Sharma, Dispersion Characteristics of Dielectric Tube Waveguide Loaded with Plasma for Leaky Wave Antenna Application, AEU - International Journal of Electronics and Communications, 2017, ISSN 1434-8411, doi: 10.1016/j.aeue.2017.08.019.
05	Sonal Parmar, <b>Upena Dalal and K N Pathak</b> . Detecting Ionospheric Irregularities using Empirical Mode Decomposition of TEC for IRNSS Signals, at SVNIT, Surat, India. <i>Communications on Applied Electronics</i> 7(8):22-29, October 2017.
06	Rahul Yadav, <b>Piyush N. Patel</b> , "Development of a Metallic Photonic Bandgap-Inspired Probe for Detection of Weak Basic Dissociation Constant Drug in Bio-Fluid," IEEE Sensor Journal, vol. 17, no. 17, pp. 5410-5418, 2017. (SCI IF: 2.512)
07	Hemant S Goklani, Shrvya S., <b>Jignesh N Sarvaiya</b> , "Single image super-resolution using coupled dictionary learning and cross domain mapping" Multimedia Tools and Applications, Springer, pp. 1-24, SCIE Index, Online from 22 Aug 2017
08	Mayna shah, <b>U.D.Dalal</b> , "SHOT BLIND UNIFORM MOTION DEBLURRING WITH RINGING REDUCTION" The Imaging Science Journal* (YIMS) DOI: 10.1080/13682199.2017.1366614, Aug-2017
09	Rahul Yadav, <b>Piyush N. Patel</b> , "Characterization of High-Frequency Dielectric Laminates Using a Scanning-Probe Based on EBG Structure", IEEE Transactions on Instrumentation & Measurement, (Publisher: IEEE, SCI IF: 2.456)
10	<b>Shilpi Gupta</b> , "Selective and Rapid Detection of Soil Fungi using Surface Modified Long Period Fiber Gratings", Optik, vol 159, pp. 301-304. (Publisher: Elsevier, SCI)
11	Monika Gambhir, <b>Shilpi Gupta</b> , Priya John, Ramakanta Mahakud, Jitendra Kumar & Om Prakash, "Surface Modified Long Period Fiber Grating Sensor for Rapid Detection of Aspergillus Niger Fungal Spores", Journal of Fiber and Integrated Optics, VOL. 37, NO. 2, pp.79- 91, , 2018 (Publisher: Taylor & Francis, SCI)
12	Monika Gambhir, <b>Shilpi Gupta</b> , "Advanced Optimization Algorithms for Grating based Sensors: A Comparative Analysis". (SCI)
13	Patel Dhananjay, Vinay Kumar Singh, and <b>U. D. Dalal</b> . "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 Communications, (2017). doi:10.1007/s11277-017-4170-y.
14	Idris Bholebawa and <b>Upena Dalal</b> , "Performance Analysis of SDN/Open Flow Controllers: POX Versus Floodlight", Springer Journal Wireless Personal Communications, (), 1-21, DOI 10.1007/s11277-017-4939-z (2017)

MECHANICAL ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>Ashish Doshi, Salim Channiwala, Punit Singh</b> : Inlet Impeller rounding in pumps as turbines – An experimental study to investigate the relative effects of blade and shroud rounding International Journal of Experimental Thermal and Fluid Science, Elsevier, Vol. 82, (2017), p.p. 333-348.
02	<b>Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala</b> : Refinement of the Legislative Test Cell Conditions Based on Local Real World Ambient Condition DOI:10.4271/2017-01-0991, SAE Technical Paper (2017).
03	<b>Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala</b> : On-Road Vehicle Driving and Energy Requirements and Impact on Unregulated Exhaust Emissions under Urban Driving Conditions Vol 10, Issue: 2017-01-1013, SAE Technical Paper (2017).
04	<b>Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala</b> : Impact of Break In Running on Exhaust Emissions and Fuel Consumption of a Portable Genset Issue: 2017-01-1012, SAE Technical Paper (2017).
05	<b>Sunil Kumar Pathak, Yograj Singh, Salim Abbasbhai Channiwala</b> : Application of DME 20 Fuel in a Gasoline Passenger Car to Comply with Euro IV Emission Legislation Issue: 2017-01-0872, SAE Technical Paper (2017).
06	<b>Sunil Kumar Pathak, Vineet Sood, Yograj Singh, Salim Abbasbhai Channiwala</b> : Green House Gas Emission Inventory from Indian Transport Sector SAE Technical Paper (2017).
07	<b>Sunil Kumar Pathak, Yograj Singh, Vineet Sood, Salim Abbasbhai Channiwala</b> : Drive Cycle Development for Electrical Three Wheelers Issue 2017-01-1593 SAE Technical Paper (2017).
08	<b>Baloni, Beena Devendra; Channiwala, Salim Abbasbhai; Harsha, Sugnanam Naga Ramannath</b> , : Design, Development and Analysis of Centrifugal Blower Journal of The Institution of Engineers (India): Series C, Online First, (2017).
09	<b>Dr. Jyotirmay Banerjee</b> : "Transition of plug to slug flow and associated fluid dynamics" J. Thaker, Jyotirmay Banerjee, International Journal of Multiphase Flow, Vol. 91, pp.63-75, 2017
10	<b>Dr. Jyotirmay Banerjee</b> : "On wave damping occurring during source-based generation of steep waves in deep and near-shallow water" Shaswat Saincher, Jyotirmay Banerjee, Ocean Engineering, Vol. 135, pp. 98-116, 2017.
11	<b>Dr. Jyotirmay Banerjee</b> : "Analysis of dispersion of heated effluent from power plant: a case study" V. Shah, A. Dekhatwala, Jyotirmay Banerjee, A. K. Patra, Sadhana - Academy Proceedings in Engineering Sciences, Volume 42 Issue 4 April 2017 pp 557-574.

MECHANICAL ENGINEERING DEPARTMENT	
No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
12	<b>Dr.Jyotirmay Banerjee</b> : "Refined moment-of-fluid method" H. K. Zinjala., Jyotirmay Banerjee, Numerical Heat Transfer, Part B: Fundamentals, Vol. 71, Issue 6, pp.574-591, 2017,
13	<b>Dr.Jyotirmay Banerjee</b> : "Influence of fuel injection method on performance of upward swirl can-type combustor" Rajpara, P., Dekhatawala, A., Shah, R., Jyotirmay Banerjee, Applied Thermal Engineering 2018.
14	<b>Dr.Jyotirmay Banerjee</b> : "Thermal and emission characteristics of reverse air flow CAN combustor," Rajpara, P., Dekhatawala, A., Shah, R., Jyotirmay Banerjee, <a href="https://doi.org/10.1016/j.ijthermalsci.2017.12.008">https://doi.org/10.1016/j.ijthermalsci.2017.12.008</a> , International Journal of Thermal Sciences, 2018.
15	<b>R. V. Rao</b> : Constrained Economic Optimization of Shell-and-Tube Heat Exchangers Using a Self-Adaptive Multipopulation Elitist-Jaya Algorithm Transactions of ASME: Journal of Thermal Science and Engineering Applications 10 (4), 2018, 041001. <i>ASME</i>
16	<b>R. V. Rao</b> : Thermal performance optimization of the underground power cable system by using a modified Jaya algorithm International Journal of Thermal Sciences 123, 162-180 <i>Elsevier</i>
17	<b>R. V. Rao</b> : An elitism-based self-adaptive multi-population Jaya algorithm and its applications Soft Computing, 1-24 <a href="https://doi.org/10.1007/s00500-018-3095-z">https://doi.org/10.1007/s00500-018-3095-z</a> <i>Springer</i>
18	<b>R. V. Rao</b> : Optimization of Selected Casting Processes Using Jaya algorithm Materials Today: Proceedings 4 (10), 11056-11067 <i>Elsevier</i>
19	<b>R. V. Rao</b> : Single-and Multi-Objective Design Optimization of Plate-Fin Heat Exchangers Using Jaya Algorithm Heat Transfer Engineering, 1-16 DOI: 10.1080/01457632.2017. 1363629 <i>Taylor &amp; Francis</i>
20	<b>R. V. Rao</b> : Multi-objective optimization of abrasive waterjet machining process using Jaya algorithm and PROMETHEE Method Journal of Intelligent Manufacturing, 1-27 <a href="https://doi.org/10.1007/s10845-017-1373-8">https://doi.org/10.1007/s10845-017-1373-8</a> <i>Springer</i>
21	<b>R. V. Rao</b> : Abnormal breast detection in mammogram images by feed-forward neural network trained by Jaya algorithm Fundamenta Informaticae 151(1-4), pp. 191-211 <i>IOP Press</i>
22	<b>R. V. Rao</b> : Prediction of effects of process parameters and thermo-mechanical simulation of GMAW process for welding of AISI 430 steel International Journal of Manufacturing Technology and Management (in press) <i>Inderscience</i>
23	<b>R. V. Rao</b> : Optimum static balancing of a robot manipulator using TLBO algorithm Advances in Robotics Research, 2(1), 2018, 13-31. <i>Techno-Press</i>
24	<b>R. V. Rao</b> : Optimization of Abrasive Waterjet Machining Process using Multi-objective Jaya Algorithm Materials Today: Proceedings, 5(2), 2018, 4930-4938. <i>Elsevier</i>
25	<b>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 Materials Today: Proceedings, 5(2), 2018, 5012-5020. <i>Elsevier</i>
26	<b>R. V. Rao</b> : A multi-objective algorithm for optimization of modern machining processes Engineering Applications of Artificial Intelligence, 61, 2017, 103-125. <i>Elsevier</i>
27	<b>R. V. Rao</b> : Optimization of welding processes using quasi oppositional based Jaya algorithm Journal of Experimental and Theoretical Artificial Intelligence, 29(5), 2017, 1099-1117. <i>Taylor &amp; Francis</i>
28	<b>R. V. Rao</b> : Optimization of submerged arc welding process using quasi oppositional based Jaya algorithm Journal of Mechanical Science and Technology, 31(5), 2017, 2013-2025. <i>Springer</i>
29	<b>R. V. Rao</b> : A self-adaptive multi-population based Jaya algorithm for engineering optimization Swarm and Evolutionary Computation, 37, 2017, 1-26 <i>Elsevier</i>
30	<b>R. V. Rao</b> : Design optimization and analysis of selected thermal devices using self-adaptive Jaya algorithm Energy Conversion and Management, 140 2017, 24-35. <i>Elsevier</i>
31	<b>R. V. Rao</b> : Constrained economic optimization of shell-and-tube heat exchangers using elitist-Jaya algorithm Energy, 128, 2017, 785-800. <i>Elsevier</i>
32	<b>R. V. Rao</b> : Economic optimization of shell-and-tube heat exchanger using Jaya algorithm with maintenance consideration Applied Thermal Engineering, 116, 2017, 473-487. <i>Elsevier</i>
33	<b>R. V. Rao</b> : Optimal design and analysis of mechanical draft cooling tower using improved Jaya algorithm International Journal of Refrigeration, 82, 2017, 312-324. <i>Elsevier</i>
34	<b>R. V. Rao</b> : Multi-objective optimization of the Stirling heat engine through self-adaptive Jaya algorithm Journal of Renewable and Sustainable Energy, 9(3) 2017,033703. <i>American Institute of Physics</i>
35	<b>R. V. Rao</b> : Design optimization of heat pipes using elitism-based self-adaptive multi-population Jaya algorithm Journal of Thermophysics and Heat Transfer, 2018, 1-11. <a href="https://doi.org/10.2514/1.T5348">https://doi.org/10.2514/1.T5348</a> <i>Aerospace Research Central, USA</i>
36	<b>Dr. H. K. Raval</b> : Optimization of process parameters during flow forming process and its verification (Mechanics, MT-15138), volume 23(4), 581-587
37	<b>Dr. H. K. Raval</b> : Semi empirical modeling of flow forming process IJMMT,2017, Vol. IX
38	<b>Dr. H. K. Raval</b> : Elliptical curve machining with variable feed rate for shape accuracy Robotics and computer integrated manufacturing, 2017,1-13
39	<b>Dr. H. K. Raval</b> : In Situ Investigations on Forces and Power Consumption during Flow Forming Process International Journal of Mechanical Science and Technology, 2017
40	<b>Dr. H. K. Raval</b> : Forces and Coefficient of Friction during Cylindrical Three Roller Bending Journal of Brazilian Society of Mechanical Sciences and Engineering, Vol. 40 (129), 2018

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
41	<b>Dr. H. K. Raval</b> : Prediction model development for material removal rate in bandsawing using dimensional analysis approach International Journal of Machining and Machinability of Materials, IJMMM, Vol.20, No.2, 2018, pp 165-179
42	<b>Dr. H. K. Raval</b> : Multi Parameter Optimisation Using Grey Relational Technique in Turning of EN24 Steel with Minimum Quantity Lubrication (MQL) Journal of Manufacturing, September, 2017, vol.12, issue 3, pp 142-148
43	<b>A. B. Kakade (Ph.D Scholar) Sudeep Ingole Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Tribo-chemistry of sugar mill roller shaft materials Materials Today Proceedings, Elsevier Publication, Vol. 4, pp. 434-441
44	<b>Chakradhar B. (Ph.D Scholar) Dr. B. M. Sutaria Dr. D. V. Bhatt Kundan Singh</b> : Experimental investigation and estimation of surface roughness using ANN, GMDH & MRA models in high speed micro end milling of titanium alloy (Grade 5) Materials Today Proceedings, Elsevier Publication, Vol. 4, pp. 1019-1028
45	<b>S. R. More (Ph.D Scholar) Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Recent Research Status on Erosion Wear – An Overview Materials Today Proceedings, Elsevier Publication, Vol. 4, pp. 257-266
46	<b>S. R. More (Ph.D Scholar) Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Recent Research Status on Laser Cladding as Erosion Resistance Technique – An Overview Materials Today Proceedings, Elsevier Publication, Vol. 4, pp. 9902-9908
47	<b>S. R. More (Ph.D Scholar) Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Study of the Parametric Performance of Solid Particle Erosion Wear under the Slurry Pot Test Rig Tribology in Industry, Vol. 39, No. 4(2017) pp. 471-481,
48	<b>Anil Kumar (M.Tech Student) S. R. More Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Study the Effect of Sample Holding Arrangement Height on Slurry Erosion Behavior of Brass using Slurry Pot Test Rig under the Solid-Liquid Slurry An International Journal of Engineering, Science, Humanities and Management Innovation & Excellence, Vol. 07 (2), pp. 70-74
49	<b>Gaurav Kumar (M.Tech Student) S. R. More Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Study of Slurry Erosion Wear Behavior of SS-304 in a Slurry Pot Test Rig under Different Operating Parameters An International Journal of Engineering, Science, Humanities and Management Innovation & Excellence, Vol. 07 (2), pp. 58-63
50	<b>Vaibhav Gupta (M.Tech Student) S. R. More Dr. D. V. Bhatt Dr. J. V. Menghani</b> : Experimental Investigation on Impact of Bottom Propeller Height on Slurry Erosion Wear of SS-316 Specimen in a Slurry Pot Test Rig An International Journal of Engineering, Science, Humanities and Management Innovation & Excellence, Vol. 07 (2), pp. 53-57
51	<b>Hetal. K. Trivedi (Ph.D Scholar) Dr. D. V. Bhatt</b> : Tribological Behaviour under Conformal and Non-Conformal Contact Condition of Piston Ring and Cylinder Liner Material in a Reciprocating Bench Test IOP Conf. Series: Materials Science and Engineering 239 (2017) 012014
52	<b>Chakradhar B. (Ph.D Scholar) Dr. B. M. Sutaria Dr. D. V. Bhatt</b> : Experimental Investigation of Top Burr Formation in High-Speed Micro End Milling of Titanium Alloy Taylor & Francis Production: Machining Science and Technology DOI - 10.1080 / 0910344.2018.1449213
53	<b>Chakradhar B. (Ph.D Scholar) Dr. B. M. Sutaria Dr. D. V. Bhatt</b> : Experimental investigation of surface roughness in high-speed micro end milling of near alpha titanium alloy. Advances in Manufacturing Technology, Design and Research Int. J. Precision Technology, Vol. 7, Nos. 2/3/4, 2017
54	<b>Dr. T. N. Desai</b> : Analyzing Lean Six Sigma Enablers : A hybrid ISM- Fuzzy MICMAC approach The TQM Journal, Volume 29, Issue 3, pp. 488-511. (Emerald)- Scopus Indexed
55	<b>Dr. T. N. Desai</b> : A Fuzzy AHP Approach to Prioritize the Barriers of Integrated Lean Six Sigma International Journal of Quality and Reliability Management Volume 34, Issue 8, pp. 1167-1185 (Emerald)- Scopus Indexed
56	<b>Dr. T. N. Desai</b> : Prioritizing the solutions of Lean Six Sigma adoption to overcome its barriers: A hybrid fuzzy AHP-Modified TOPSIS Framework International Journal of Lean Six Sigma, Volume 9, Issue 2, pp. -- (Emerald)- Scopus Indexed
57	<b>Dr. T. N. Desai</b> : Analysis of research trends and constructs in context to lean six sigma frameworks Journal of Manufacturing Technology and Management, Volume 28, Issue 6, pp. 794-821. (Emerald)- Scopus Indexed
58	<b>Dr. T. N. Desai</b> : Application of hybrid framework to facilitate lean six sigma implementation: A manufacturing company case experience Production Planning and Control (Taylor & Francis)- Scopus Indexed, SCI Indexed
59	<b>Dr. T. N. Desai</b> : Industrial Engineering Mahajan Publishers
60	<b>Jyoti Menghani, Akshay Govande, Satish</b> : 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
61	<b>Satish More, Dhanajay Bhat, Jyoti Menghani</b> : 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
62	<b>Dinesh Singh</b> : Experimentation investigation of abrasive water jet machining parameters using Taguchi and evolutionary optimization techniques <i>Swarm and Evolutionary Computation</i> , Vol. 32, pp. 167-183, 2017.
63	<b>Dinesh Singh</b> : Unequal-area, fixed-shape facility layout problems using the firefly algorithm <i>Engineering Optimization</i> , Vol. 49, No. 7, pp. 1097–1115, 2017.
64	<b>Dr. Purnanand V Bhale</b> : Corrosion Behavior of Automotive Materials with Biodiesel: A Different Approach Fuels and Lubricants (SAE International Journal)
65	<b>Dr Purnanand V Bhale</b> : Biodiesel Production from low Price De-odorizer Distillate derived from the refining of vegetable oil : Engine Performance, Combustion and Emission Institution of engineers part c (Springer)

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
66	<b>Ansari, Z. N and Kant, Ravi</b> : Exploring the Framework Development Status for Sustainability in Supply Chain Management: A Systematic Literature Synthesis and Future Research Directions Business Strategy and the Environment, Vol. 26, No. 7, PP. 873-892, 2017.
67	<b>Dalvi, M. V. and Kant, Ravi</b> : A Survey on Selected Supplier Issues in Indian Manufacturing Organizations International Journal of Services and Operations Management, Vol. 27, No. 2, PP. 210–238, 2017
68	<b>Ansari, Z. N and Kant, Ravi</b> : A state-of-art literature review reflecting 15 years of focus on sustainable supply chain management Journal of Cleaner Production, Vol. 142, No. 4, PP. 2524–2543, 2017
69	<b>Gorane, S. J. and Kant, Ravi</b> : Supply Chain Practices and Organizational Performance- An Empirical Investigation of Indian Manufacturing Organizations International Journal of Logistics Management, Vol. 28, No. 1, PP. 75-101, 2017.
70	<b>Malviya, R. K., and Kant, Ravi</b> : Modeling the Enablers of Green Supply Chain Management: An Integrated ISM and Fuzzy MICMAC Approach Benchmarking: An International Journal, Vol. 24, No. 2, PP. 536-568, 2017.
71	<b>Dalvi, M. V. and Kant, Ravi</b> : Ranking the Barriers of Supplier Development Using Fuzzy AHP Approach International Journal of Procurement Management, , Vol. 10, No. 1, PP. 106-134, 2017.
72	<b>Dalvi, M. V. and Kant, Ravi</b> : Development of Questionnaire to Assess the Supplier Evaluation Criteria and Supplier Selection Benefits Benchmarking: An International Journal, Vol. 24, No. 3, PP. 359-383, 2017.
73	<b>Dr. H.K. Dave</b> : 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)
74	<b>Dr. H.K. Dave</b> : Methodology for database development for electro discharge boring of aerospace material International Journal of Materials and Product Technology (Article in Press)
75	<b>Dr. H.K. Dave</b> : 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
76	<b>Dr. H.K. Dave</b> : End wear compensation during planetary EDM of Ti-6Al-4V by adaptive neuro fuzzy inference system Production Engineering, 12(1), pp.1-10.
77	<b>Dr. V. D. Kalyankar</b> : 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
78	<b>Dr. V. D. Kalyankar</b> : 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

## (ii) Publication of Books :

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	NIL

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>Ghadiyali T., Lad K., Dhodiya J.</b> : Design and Development of the Agricultural Model: A Way to Connect Farmer Community to Agriculture Market for Betterment of Rural Development. In: Saini A., Nayak A., Vyas R. (eds) ICT Based Innovations. Advances in Intelligent Systems and Computing, vol 653. Springer, Singapore (2018).

APPLIED PHYSICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Zalak Shah and Ajay Kumar Rai "Mass spectra of doubly heavy $\Xi_{bc}$ baryon", XXII DAE High Energy Physics Symposium, ISBN: 0930-8989 (2018), Springer International Publishing 203,
02	Edited e-Book: Editors: D. R. Roy and U. Sarkar Title: Proceedings of International Conference on Systems and Processes in Physics, Chemistry and Biology Publisher: Nandan Graphics & Library Services, Surat, India, March, 2018. ISBN: 978-81-934859-0-3
03	Sonal Parmar, Upena Dalal, Kamlesh Pathak, A Comparative Analysis of Ionospheric Effects on Indian Regional Navigation Satellite System (IRNSS) Signals at Low Latitude Region, Surat, India Using GDF and Nakagami-m Distribution, In: Patel Z., Gupta S. (eds) Future Internet Technologies and Trends. ICFITT 2017. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 220. Springer, Cham, 2018

APPLIED MECHANICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Dr. S. R. Suryawanshi, "Recycling of Construction Materials" LAP Lambert Academic Publishing
02	Dr. S. R. Suryawanshi, "Effect of Lime & RBI Grade 81 on Geo Technical Properties of Black Cotton Soil" LAP Lambert Academic Publishing
03	Dr. Shruti J Shukla, "Compacted clay liner with bentonite and black cotton soil", Lampert Academic ,2017
04	Dr. Shruti J Shukla, "A Behavioural study of piled raft foundation for tall structure" Lampert Academic,2017

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	<b>Andharia, B. R., Patel, P. L., Manekar V. L. &amp; Porey P. D.</b> : Prediction of bed level variations in non-uniform sediment bed channel, Sādhanā, 43(4), 55.
02	<b>Andharia, B. R., Patel, P. L., Manekar, V. L., &amp; Porey, P. D.</b> , Numerical and experimental studies in prediction of bed levels of aggrading channels, Current Science, 114(8), 1697-1708.
03	<b>J.E.M. Macwan</b> et al, "Preparation of town planning Scemes-An E Democracy Framework for Citizen centric planning" Chapter 9 Book E Democracy for Smart Cities 2017 Springer Publications.
04	<b>Saxena, S., &amp; Yadav, S. M.</b> Neuro-Fuzzy Application in Capacity Prediction and Forecasting Model for Ukai Reservoir. In Development of Water Resources in India (pp. 103-111) 2017. Springer, Cham.
05	<b>S M Yadav</b> , Application of Soft Computing Techniques in Civil Engineering, , Viva books Private Limited, 2018. ISBN: 978-93-87692-99-2.
06	<b>Meera V and Ahammed M M</b> (2018) Factors affecting quality of roof-harvested rainwater, in A. K. Sarma et al. (ed.), Urban Ecology, Water Quality and Climate Change, Water Science and Technology Library 84, <a href="https://doi.org/10.1007/978-3-319-74494-0_15">https://doi.org/10.1007/978-3-319-74494-0_15</a>
07	<b>Krupesh A. Chauhan</b> : e-Democracy for Smart Cities, Preparation of Town Planning Schemes – An E-Democracy Framework for Citizen Centric Planning, Springer Nature, ISBN: 978-981-10-4034-4, ISBN: 978-981-10-4034-1 (e-book), Chapter 9, 2017
08	<b>Krupesh A. Chauhan</b> : e-Democracy for Smart Cities Smart City Project Selection, Prioritization, Customization and Implementation – Voice of Smart Citizens Case Study of Bhubaneswar and Surat, Springer Nature, ISBN: 978-981-10-4034-4, ISBN: 978-981-10-4034-1 (e-book), Chapter 9, 2017
09	<b>Namrata Jariwala and Hemali Tailor</b> (2018) : " Fuzzy Rule Based System approach for Pipe Condition Assessment: Case of Surat city" in the book of Application of soft Computing techniques in Civil Engineering pp 41-62.Viva Books.
10	<b>Mrinmoy Majumder and Ganesh D. Kale</b> : Climate change and its impact on Water and Energy Management : MCDM and ANN Approaches (Monograph Accepted)
11	Indian Highway Capacity Manual (2017) published by CSIR New Delhi

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	<b>Book Chapter: S. B. Patel, J. V. Gohel</b> , Recent Developments in Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) Preparation, Optimization and its Application in Solar Cell Development and Photocatalytic Applications, Chapter 14, in: Rajesh J. Tayade, Vimal Gandhi, (Eds.), Photocatalytic Nanomaterials for Environmental Applications, Materials Research Forum LLC, Millersville, PA, USA, 2018 pp. 370-404 (Published as part of the book series Materials Research Foundations Volume 27).
02	<b>Book Chapter: Yadav, T., Mungray, A.A., and Mungray, A. K.</b> Fabricated Nanoparticles: Current Status and Potential Phyto-toxic Threats, A Review. On Reviews of Environmental Contamination and Toxicology. 230 (2014), 83-110.

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	<b>Tidke B., Mehta R., A</b> Comprehensive Review and Open Challenges of Stream Big Data, Theories and Applications. Advances in Intelligent Systems and Computing, vol 584, pp. 89-99, Springer, Singapore, 2018. Doi: <a href="https://doi.org/10.1007/978-981-10-5699-4_10">https://doi.org/10.1007/978-981-10-5699-4_10</a> .
02	<b>Yash Parikh, Abhinivesh Palusa, Shrivankumar Kasthuri, R Mehta and D Rana</b> : Efficient Word2Vec Vectors for Sentiment Analysis to improve Commercial Movie Success, First International Conference on Advanced Computational and Communication Paradigms, Sikkim, India, 2017
03	<b>Jenish Dhanani, Rupa Mehta, Dipti Rana and Bharat Tidke</b> : Back-Propagated Neural Network on Map Reduce Frameworks: A Survey, Smart Innovations in Communication and Computational Sciences Proceedings of ICSICCS-2018, ISSN 2194-5357 ISSN 2194-5365 (electronic) Lecture Note Series of Advances in Intelligent Systems and Computing ISBN 978-981-13-2413-0, ISBN 978-981-13-2414-7 (eBook) <a href="https://doi.org/10.1007/978-981-13-2414-7">https://doi.org/10.1007/978-981-13-2414-7</a> , Springer, Singapore.

ELECTRONICS ENGINEERING DEPARTMENT	
No.	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	<b>Dr.(Mrs.)U. D. Dalal, Dr.(Mrs.) S. N. Shah, Dr.(Mrs.) J. N. Patel</b> Book title: The Internet of Things--Foundation for smart cities, eHealth and Ubiquitous Computing Chapter 3 title: MAC and Network layer Issues and Challenges for IoT CRC press; <a href="https://www.crcpress.com/The-Internet-of-Things-Foundation-for-Smart-Cities-eHealth-and-Ubiquitous-Armentano-Bhadoria-Chatterjee-Deka/p/book/9781498789028">https://www.crcpress.com/The-Internet-of-Things-Foundation-for-Smart-Cities-eHealth-and-Ubiquitous-Armentano-Bhadoria-Chatterjee-Deka/p/book/9781498789028</a>
02	<b>Dr. (Mrs.) R. N. Dhavse ; Kumar Prashant; Chetan Dabhi; Anand Darji; R. M. Patrikar:</b> Fabrication and Investigation of Low Voltage Programmable Flash Memory Gate Stack Springer book series: Lecture Notes in Electrical Engineering in Nath Vijay (Ed) vol 453, pp 35-49, Springer Nature Singapore Pte Ltd. 2018 <a href="https://doi.org/10.1007/978-981-10-5565-2">https://doi.org/10.1007/978-981-10-5565-2</a>

ELECTRICAL ENGINEERING DEPARTMENT	
No.	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	<b>P. Gujarathi, V. A. Shah, and M. Lokhande</b> : Advances in Renewable Energy and Sustainable Systems; Chapter/Article Title- Towards Sustainable Transportation: Global Scenario and India as Developing Country.
02	<b>Shimin V V, V. A. Shah, and M. Lokhande</b> : Chapter/Article Title - Performance Enhancement of E-rickshaws in India based on Battery-Ultracapacitor Hybrid Energy Source. Publisher - NOVA SCIENCE PUBLISHERS, INC, NEW YORK, USA

MECHANICAL ENGINEERING DEPARTMENT	
No.	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</b>
01	<b>R. V. Rao</b> : Jaya: An Advanced Engineering Optimization Algorithm And Its Applications, ISBN 978-3-319-78922-4; Springer Nature, Switzerland
02	<b>Jyoti V. Menghani</b> : Thin Films and its Application ; ISBN No. 978-613-8-00706-7, Lambert Academic Publishing
03	<b>Dr. H.K. Dave</b> : Sustainable Electro Discharge Machining Using Bio Oil as Dielectric ; Lambert Academic Publishing, ISBN: 978-330-32451-0

## (iii) Publication of National Journals:

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

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	<b>Ghadiyali T., Lad K., Dhodiya J.:</b> Design and Development of the Agricultural Model: A Way to Connect Farmer Community to Agriculture Market for Betterment of Rural Development. In: Saini A., Nayak A., Vyas R. (eds) ICT Based Innovations. Advances in Intelligent Systems and Computing, vol 653. Springer, Singapore (2018).

APPLIED PHYSICS DEPARTMENT	
No.	<b>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</b>
01	Zalak Shah and Ajay Kumar Rai "Mass spectra of doubly heavy $\Xi_{bc}$ baryon", XXII DAE High Energy Physics Symposium, ISBN: 0930-8989 (2018), Springer International Publishing 203, [will be published June 5 2018]
02	Edited e-Book: Editors: D. R. Roy and U. Sarkar Title: Proceedings of International Conference on Systems and Processes in Physics, Chemistry and Biology Publisher: Nandan Graphics & Library Services, Surat, India, March, 2018. ISBN: 978-81-934859-0-3
03	Sonal Parmar, Upena Dalal, Kamlesh Pathak, A Comparative Analysis of Ionospheric Effects on Indian Regional Navigation Satellite System (IRNSS) Signals at Low Latitude Region, Surat, India Using GDF and Nakagami-m Distribution, In: Patel Z., Gupta S. (eds) Future Internet Technologies and Trends. ICFITT 2017. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 220. Springer, Cham, 2018

APPLIED MECHANICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Dr. S. R. Suryawanshi, "Recycling of Construction Materials" LAP Lambert Academic Publishing
02	Dr. S. R. Suryawanshi, "Effect of Lime & RBI Grade 81 on Geo Technical Properties of Black Cotton Soil" LAP Lambert Academic Publishing
03	Dr. Shruti J Shukla, "Compacted clay liner with bentonite and black cotton soil", Lampert Academic ,2017
04	Dr. Shruti J Shukla, "A Behavioural study of piled raft foundation for tall structure" Lampert Academic,2017

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Andharia, B. R., Patel, P. L., Manekar, V. L., & Porey, P. D., Prediction of bed level variations in non-uniform sediment bed channel, <i>Sādhanā</i> , 43(4), 55.
02	Andharia, B. R., Patel, P. L., Manekar, V. L., & Porey, P. D., Numerical and experimental studies in prediction of bed levels of aggrading channels, <i>Current Science</i> , 114(8), 1697-1708.
03	J.E.M. macwan et al.,"Preparation of town planning Scemes-An E Democracy Framework for Citizen centric planning" Chapter 9 Book E Democracy for Smart Cities 2017 Springer Publications.
04	Saxena, S., & Yadav, S. M. Neuro-Fuzzy Application in Capacity Prediction and Forecasting Model for Ukai Reservoir. In <i>Development of Water Resources in India</i> (pp. 103-111) 2017. Springer, Cham.
05	S M Yadav, Application of Soft Computing Techniques in Civil Engineering, , Viva books Private Limited, 2018. ISBN: 978-93-87692-99-2.
06	Meera V and Ahammed M M (2018) Factors affecting quality of roof-harvested rainwater, in A. K. Sarma et al. (ed.), <i>Urban Ecology, Water Quality and Climate Change</i> , Water Science and Technology Library 84, <a href="https://doi.org/10.1007/978-3-319-74494-0_15">https://doi.org/10.1007/978-3-319-74494-0_15</a>
07	Krupesh A. Chauhan, e-Democracy for Smart Cities, Preparation of Town Planning Schemes – An E-Democracy Framework for Citizen Centric Planning, Springer Nature, ISBN: 978-981-10-4034-4, ISBN: 978-981-10-4034-1 (e-book), Chapter 9, 2017
08	Krupesh A. Chauhan, e-Democracy for Smart Cities Smart City Project Selection, Prioritization, Customization and Implementation – Voice of Smart Citizens Case Study of Bhubaneswar and Surat, Springer Nature, ISBN: 978-981-10-4034-4, ISBN: 978-981-10-4034-1 (e-book), Chapter 9, 2017
09	Namrata Jariwala and Hemali Tailor (2018) " Fuzzy Rule Based System approach for Pipe Condition Assessment: Case of Surat city" in the book of Application of soft Computing techniques in Civil Engineering pp 41-62. Viva Books.
10	Mrinmoy Majumder and Ganesh D. Kale, Climate change and its impact on Water and Energy Management : MCDM and ANN Approaches (Monograph Accepted)
11	Indian Highway Capacity Manual (2017) published by CSIR New Delhi

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	<b>Book Chapter:</b> S. B. Patel, J. V. Gohel, Recent Developments in Cu <sub>2</sub> ZnSnS <sub>4</sub> (CZTS) Preparation, Optimization and its Application in Solar Cell Development and Photocatalytic Applications, Chapter 14, in: Rajesh J. Tayade, Vimal Gandhi, (Eds.), <i>Photocatalytic Nanomaterials for Environmental Applications</i> , Materials Research Forum LLC, Millersville, PA, USA, 2018 pp. 370-404 (Published as part of the book series Materials Research Foundations Volume 27).
02	<b>Book Chapter:</b> Yadav, T., Mungray, A.A., and Mungray, A. K. Fabricated Nanoparticles: Current Status and Potential Phyto-toxic Threats, A Review. On <i>Reviews of Environmental Contamination and Toxicology</i> . 230 (2014), 83-110.

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Tidke B., Mehta R., A Comprehensive Review and Open Challenges of Stream Big Data, Theories and Applications. <i>Advances in Intelligent Systems and Computing</i> , vol 584, pp. 89-99, Springer, Singapore, 2018. Doi: <a href="https://doi.org/10.1007/978-981-10-5699-4_10">https://doi.org/10.1007/978-981-10-5699-4_10</a> .
02	Yash Parikh, Abhinivesh Palusa, Shravankumar 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
03	Jenish Dhanani, Rupa Mehta, Dipti Rana and Bharat Tidke, Back-Propagated Neural Network on MapReduce Frameworks: A Survey, <i>Smart Innovations in Communication and Computational Sciences Proceedings of ICSICCS-2018</i> , ISSN 2194-5357 ISSN 2194-5365 (electronic) Lecture Note Series of Advances in Intelligent Systems and Computing ISBN 978-981-13-2413-0, ISBN 978-981-13-2414-7 (eBook) <a href="https://doi.org/10.1007/978-981-13-2414-7">https://doi.org/10.1007/978-981-13-2414-7</a> , Springer, Singapore.

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Dr.(Mrs.)U. D. Dalal; Dr.(Mrs.) S. N. Shah ; Dr.(Mrs.) J. N. Patel Book title: The Internet of Things--Foundation for smart cities, eHealth and Ubiquitous Computing ; Chapter 3 title: MAC and Network layer Issues and Challenges for IoT CRC press <a href="https://www.crcpress.com/The-Internet-of-Things-Foundation-for-Smart-Cities-eHealth-and-Ubiquitous/Armentano-Bhadoria-Chatterjee-Deka/p/book/9781498789028">https://www.crcpress.com/The-Internet-of-Things-Foundation-for-Smart-Cities-eHealth-and-Ubiquitous/Armentano-Bhadoria-Chatterjee-Deka/p/book/9781498789028</a>
02	Dr. (Mrs.) R. N. Dhavse; Kumar Prashant; Chetan Dabhi; Anand Darji; R. M. Patrika Fabrication and Investigation of Low Voltage Programmable Flash Memory Gate Stack Springer book series: Lecture Notes in Electrical Engineering in Nath Vijay (Ed) vol 453, pp 35-49, Springer Nature Singapore Pte Ltd. 2018 <a href="https://doi.org/10.1007/978-981-10-5565-2">https://doi.org/10.1007/978-981-10-5565-2</a>

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Name of Book- Advances in Renewable Energy and Sustainable Systems Chapter/Article Title- Towards Sustainable Transportation: Global Scenario and India as Developing Country. Authors:. P. Gujarathi, V. A. Shah, and M. Lokhande
02	Chapter/Article Title - Performance Enhancement of E-rickshaws in India based on Battery-Ultracapacitor Hybrid Energy Source. Authors:. Shimin V V, V. A. Shah, and M. Lokhande Publisher - NOVA SCIENCE PUBLISHERS, INC, NEW YORK, USA

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	R. V. Rao : Jaya: An Advanced Engineering Optimization Algorithm And Its Applications ISBN 978-3-319-78922-4 Springer Nature, 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

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

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	<b>K. Suresh Kumar</b> , S. Ha, S.H. Baek, T.J. Park, Evaluation of three color fluorescent carbon dots analytical performances for sensing of Fe <sup>3+</sup> ion and bioimaging applications, 28th Anniversary World Congress on Biosensors, 12-15 June 2018   Miami, Florida, USA
02	Kumari P. and Maru V. Phenolic and flavonoid content in Pomegranate ( <i>Punicagranatum L.</i> ) Fruit peel extracts and its activity" in 4th European organic chemistry congress at London UK, 7, 74, 2018.
03	Amit G. Shirke, <b>Bharatkumar Z. Dholakiya</b> , KetanKuperkar, Polyurethane as modified anti-corrosive material under the influence of anti-blistering agent, International conference on environmental chemistry and engineering (ICECE-17), Dubai, 30th September 2017.
04	Ashish J. Raychura, SmitaJauhari, <b>Bharatkumar Z. Dholakiya</b> , Development and performance Evaluation of Vegetable Oil Based Wood Protecting Polyurethane Coating: An Alternative Approach, 20th international conference of International Academy of Physical Sciences (CONIAPS XX) on Recent Advances in Physical Science and Future Challenges, Faculty of science, Osmania University, Hyderabad, 14th – 16th July 2017.
05	Ashish J. Raychura, <b>SmitaJauhari, Bharatkumar Z. Dholakiya</b> , Preparation of Mahua Oil based Polyurethane Coating: A Green Approach, 20th international conference of International Academy of Physical Sciences (CONIAPS XX) on Recent Advances in Physical Science and Future Challenges, Faculty of science, Osmania University, Hyderabad, 14th – 16th July 2017.
06	<b>Bharatkumar Z. Dholakiy</b> , AshishRaychura and SmitaJauhari, Development of wood protective coating from vegetable oil: A green approach, 3 <sup>rd</sup> International Conference on manufacturing, material and metallurgical engineering (ICMME-2018), Kuala Lumpur, Malaysia,
07	<b>Bharatkumar Z. Dholakiya</b> , An Insight into the synthesis of fuel grade esters over PE-Si composite, 6 <sup>th</sup> International Conference on Chemistry, Chemical Engineering and Chemical Process (CCECP-2018), Singapore, 12 <sup>th</sup> to 13 <sup>th</sup> March 2018.
08	Jenifer J. Gabla., Sunil R. Mistry., Kalpana C. Maheria., "Mesoporous Zeolite BEA: Synthesis, Characterization and their catalytic application in Multi-component Reactions", at 4th International Conference on Past and Present Research Systems of Green Chemistry, 16-18 <sup>th</sup> October 2017, Atlanta, USA.



APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
09	Jyotsna M Nayak, Khushbo Patel, Nimisha Singh and Rajender Kumar "Determination of Nitric Oxide by UV Visible Spectroscopy and High-Performance Liquid Chromatography in Biological Samples at International Conference on Advances in Analytical Sciences (ICAAS-2018) held at IIP Dehradun from March 15-17, 2018.
10	Krutarth Makwana, Dhruvi Patel, Ketan Kuperkar, Non-steroidal anti-inflammatory drugs (NSAIDs) as modulated green inhibitory agent in mild steel corrosion. Best poster paper presented award in International Conference on Recent Trends in Nanomaterials for Clean Energy (ICRTNCE-2019), 16-17 Feb, 2019, SVNIT, Surat.
11	Divya Patel, Vinod Khatri, Ketan Kuperkar, Oral presentation, H-type in Congo red-cationic surfactant systems revealed through physico-chemical studies integrated with simulation study, International Conference on Recent Trends in Nanomaterials for Clean Energy (ICRTNCE-2019), 16-17 Feb, 2019, SVNIT, Surat.
12	Dhruvi Patel, XVIIIth school on "Neutrons as Probes of Condensed Matter" October 28 to November 1, 2018, UGC-DAE CSR Mumbai Center and Solid State Physics Division, BARC
13	Bharat Kanoje, Jigisha Parikh, Ketan Kuperkar, Presented an <b>Oral</b> entitled "Formation of CaCO <sub>3</sub> nano clusters (Composites) of bulk surfactant-polymer (Pluronic, Tri block co polymer) solution effect on morphology behavior in aqueous condition" at the 3 <sup>rd</sup> International Conference on Advance Functional Materials 2018 (ICAFM 2018) event, to be held 3-5 August 2018 in San Francisco, USA.
14	Bharat Kanoje, Jigisha Parikh, Ketan Kuperkar, Presented an <b>Oral</b> entitled "Viscoelastic micellar solutions of dimeric surfactants in organic additives: <sup>1</sup> H-NMR, Rheology, SANS and TEM characterization" at the 17 <sup>th</sup> International Conference on Industrial Chemistry and Water Treatment, to be held during 21-22 May 2018 in New York, USA.
15	Bharat Kanoje, Jigisha Parikh, Ketan Kuperkar, Presented an <b>Oral</b> entitled "Mixed Micellization Study of Cationic-Zwitterionic Surfactants in Aqueous Solution: Synergism/ Aggregation Study with Molecular Simulation Approach" at the 7 <sup>th</sup> Asian Conference on Colloid & Interface Science 2017 (ACCIS 2017) event, to be held 8-11 August 2017 in Berjaya Times Square Hotel, Kuala Lumpur, Malaysia.
16	Anil kumar JANGIR, Amit G. SHIRKE, Jay HINGRAJIYA, Rajender KUMAR, Bharatkumar Z. DHOLAKIYA, Ketan KUPERKAR*, Insulating and Mechanical property enhancers in Tung Oil-based Polyurethane Foams modified using Natural fibers, International Conference on Nanostructured Materials in Polymers and Pharmaceutical Sciences PolyTech - 2017, December 19– 20, 2017.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	R. Meher, Imbibition phenomenon arising in double phase flow through porous medium with capillary pressure, International Conference on Mathematics, Statistics & Computer Science Dubai 2018 Feb 09-10, 2018
02	J. Kesarwani and R. Meher, Analytical solution of higher order partial differential equation in a bounded domain, International conference on Numerical Heat Transfer & Fluid Flow (NHTFF18).NIT, Warangal, India, January, 19-21, 2018.
03	T. Patel and R. Meher, Application of Adomian Decomposition Sumudu Transform to Nonlinear Time-fractional Type Heat Transfer and Porous Media Equations, International Conference on Differential & Difference Equations and Applications (ICDDEA- 2017), Amadora, Portugal. June 5-9, 2017.
04	R. K. Jana, "On Generalized Pochhammer symbols" at International Conference on Special Functions and Their Applications (ICSFA 2017) organized by Government College of Engineering, Bikaner, Rajasthan during November 2 - 4, 2017.
05	H. S. Lekhadiya and R. K. Jana, "Impact of assimilation of INSAT-3D satellite data in WRF model" at the International Conference INTROMET-2017 held at Space Applications Center (ISRO), Ahmedabad during November 7-10, 2017. (Paper presented by H. S. Lekhadiya)
06	R. K. Jana, "Extended Wright type hypergeometric Functions: some recent developments" presented at 83 <sup>rd</sup> Annual Conference of Indian Mathematical Society-An International Meet, held at Sai Venkateswara University, Tirupati during December 12-15, 2017.
07	R. K. Jana, "Some properties of extended incomplete ${}_{\tau}$ -hypergeometric function" presented at World Summit on Advances in Sciences, Engineering and Technology, held at University of Cambridge, U. K. during January 4-6, 2018. (Paper presented through Skype)
08	R. Roy and R. K. Jana, "Lie theoretic origin of Hypergeometric Functions" at International Conference on Mathematics and Its Applications (ICMA 2018) organized by The University of Burdwan, West Bengal during February 15-17, 2018. (Paper presented by R. Roy)
09	Anita Tailor, Jayesh M. Dhodiya, "Genetic Algorithm based approach to solve Multi objective interval assignment problem" 4 <sup>th</sup> International conference on Industrial Engineering (ICIE 2017), 22-24 December, , 2017, Vol-3, 2017, pp-1129 to 1135 ISBN:9789386238399
10	Jignsh G Patel, Jayesh M. Dhodiya, "Solving Fuzzy Transportation Problem with Triangular Fuzzy Number Using Grey Number," 4 <sup>th</sup> International conference on Industrial Engineering (ICIE 2017), 22-24 December, , 2017, Vol-3, 2017, pp-1069 to 1074 ISBN:9789386238399
11	S. J. Rapeli and A. K. Shukla: Some results on Appell Polynomial sets, at International Conference on Special Functions and Their Applications (ICSFA-2017) organized by Department of Mathematics, Govt. College of Engineering & technology, Bikaner, Rajasthan, India during November 02-04, 2017

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
12	Rachana Desai, P. K. Banerji and A. K. Shukla: Singular Integral Equations Containing Extended Mittag-Laffler Function at International Conference on Special Functions and Their Applications (ICSFA-2017) organized by Department of Mathematics, Govt. College of Engineering & technology, Bikaner, Rajasthan, India during November 02-04,2017

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

APPLIED MECHANICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
01	Dr.C H Solanki, "Compressive strength behavior of stratified layers of unreinforced and randomly distributed tire fiber-reinforced clayey soil" Proceedings of the Second International Conference on Advances in Concrete, Structural and Geotechnical Engineering, Bloomsbury publication, 2018
02	Dr.C H Solanki, "Development of Gutenberg-Richter Recurrence Relationship Using Earthquake Data" Proceedings of Green Buildings and Sustainable Engineering, a book chapter Transactions in Civil and Environmental Engineering. Springer, 2018
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	Mr.A J Shah, "Blast resistance design of R.C. frame structure" ICCSEE-2017- International conference on civil structural and earthquake engineering. 25 april 2017 –LONDON, 2017
05	Mr.A J Shah, "Development of fragility curve using, HAZUS method for seismic vulnerability" World conference on science and technology Daira Dubai- UAE, 2017
06	Dr.B.Kondraivendhan, "Shear behavior of steel fiber reinforced precast prestressed concrete beams" International Conference on Composite Materials and Structures-ICCMS2017, Hyderabad, 27-29 <sup>th</sup> December, 2017,
07	Dr. C. D. Modhera, "Effect of Colloidal Nano Silica on Durability of High Strength Concrete subjected to Acid Attack" 6 <sup>th</sup> World Conference on Applied Science, Engineering And Technology, 02 <sup>nd</sup> & 3 <sup>rd</sup> Jan 2018, Goa, 2018
08	Dr. C. D. Modhera, "Effect of Metakaolin on mechanical properties of different grades concretes inclusion of recycled aggregates from C & D waste and ceramic waste" 6 <sup>th</sup> World Conference on Applied Science, Engineering And Technology, 02 <sup>nd</sup> & 3 <sup>rd</sup> Jan 2018, Goa, 2018
09	Dr. C. D. Modhera, "Effect of Load Balancing on Punching Shear Stress and Deflection of Post Tensioning Flat Slab with Different Grade of Concrete" 6 <sup>th</sup> World Conference on Applied Science, Engineering And Technology, 02 <sup>nd</sup> & 3 <sup>rd</sup> Jan 2018, Goa, 2018
10	Dr. C. D. Modhera, "Parametric Experimental Studies on Sustainable Concrete Containing Waste Under different Curing conditions" Sathybhama University Chennai, January 23-25, 2018. Pp.25, ISBN 978-93-83409-41, 2018
11	Dr. C. D. Modhera, "Waste Material Utilization As A Cementitious Material To Understand Tensile Behavior Of Concrete Under Alkaline And Acidic Exposure" ISBN 978-93-87471-69-6, pp 135-139, 2018
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	Dr. Atul K. Desai, "Dynamic Analysis of Innovative Hybrid Wind Mill Tower Considering Soil Structure Interaction" International conference on civil and urban engineering, Barcelona, Spain, 2018
15	Dr. Atul K. Desai, "Seismic Analysis of Structurally Hybrid Wind Mill Tower" 20th International Conference on Structural Engineering and Composite Materials Sydney, Australia, 2018
16	Dr. Atul K. Desai, "Effect of fly ash with polyester fibre on mechanical properties of roller compacted concrete pavements" International Conference on Sustainable Civil Engineering Capetown , South Africa, 2018
17	Dr. Atul K. Desai, "Fracture and size effect studies on fibre reinforced self compacting concrete using digital image correlation" 9th international conference on fracture mechanics of concrete and concrete structures, 2017
18	Dr. Atul K. Desai, "Innovation in turbo generator frame foundation, an experimental and analytical study" International Conference on Sustainable Civil Engineering Capetown , South Africa, 2017
19	Dr. Atul K. Desai, "Dynamic Analysis of Turbo Machinery Foundation for Different Rotating Speed" International Journal of Civil and Environmental Engineering Vol. 4, No. 4, WASET, LONDON, 2017
20	Dr. Atul K. Desai, "Comparative Study of Compressive Strength of Triangular Polyester Fiber with Fly Ash Roller

APPLIED MECHANICS DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Compacted Concrete Using Ultrasonic Pulse Velocity Method" International Journal of Civil and Environmental Engineering Vol. 4, No. 4, WASET, LONDON, 2017
21	Sandip Vasanwala, "Analytical Study of triple friction pendulum under a different hazard level of earthquakes" International Conference Trends and Recent Advances in Civil Engineering, TRACE-2018.
22	Sandip Vasanwala, "The optimization of multi-stage friction pendulum system under different hazard levels of earthquake" International Conference On Advances in Concrete, Structural & Geotechnical Engineering (ACSGE - 2018).
23	C. H. Solanki, Vasanwala. S. A, "Experimental Investigation on Geotechnical Properties of Nano-Chemically Treated Soil" Indian Geotechnical Conference, 2017
24	Dr.Shruti J Shukla, "A New Mixing Technique for Randomly Distributed Fibre-Reinforced Expansive Soil" Environmental Geotechnology, Recycled Waste Materials and Sustainable Engineering, Springer Publication, a book chapter , NITJ, Jalandhar, India, 29-31 March 2018,
25	Dr.Shruti J Shukla, "Effect of Discrete Reinforcement and Placement on Unconfined Compressive Strength of Clay Reinforced with Waste Fibre" Trends and Recent Advances in Civil Engineering", Springer Publication, a book chapter in Advances in Sustainable Construction Materials and Geotechnical Engineering. August 2018,
26	Dr.Shruti J Shukla, "Review Study of Expansive Soil Stabilization using Waste Material –A Step towards Sustainable aspect" WCASET-2018, 2 <sup>nd</sup> and 3 <sup>rd</sup> January, Goa., 2018
27	Dr.Shruti J Shukla, "Effect of nanoparticles on UCS and compaction properties of Soil" WCASET-2018, 2 <sup>nd</sup> and 3 <sup>rd</sup> January, Goa., 2018
28	Dr.Shruti J Shukla, "Colloidal Silica Grout in Soil Improvement: An Extensive Review." 8th Int. Conf. on Geotechnique, Construction Materials and Environment, Kuala Lumpur, Malaysia, Nov. 20-22, 2018,
29	Dr. S. R. Suryawanshi, "An Investigation on Rca-Concrete Beam" Second International Conference ACSGE-2018, BITS PILANI (Bloomsbury Publishing), 2018
30	Dr. S. R. Suryawanshi, "Comparative Seismic Response of Soft Storey Composite Columns for Building Model With and Without Infill Walls" Second International Conference ACSGE-2018, BITS PILANI (Bloomsbury Publishing), 2018
31	Dr. S. R. Suryawanshi, "Effect of Transverse Reinforcement on Efficiency Factor of Bottle-Shaped Strut" Second International Conference ACSGE-2018, BITS PILANI (Bloomsbury Publishing), 2018
32	Dr. S. R. Suryawanshi, "Durability of Concrete Incorporating Blast Furnace Slag to Reduce Cement Consumption under MgSO4 Exposure" Smart Construction (McGraw Hill Publisher), 2018

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
1	Joshi, B. R. Samtani, B. K. & Yadav, S. M. Rainfall-Runoff Modelling of Upper Narmada Sub-Basin Proceedings of the 22nd HYDRO-2017 International at L D College of Engineering, Ahmedabad during Dec. 21-23, 2017.
2	Pawan N. Bhavsar and Jayantilal N. Patel, Simulation of Hydrologic Behavior of Lower tapi Basin Using HEC-HMS and Geospatial Technology, 37th IAHR World Congress, Organised by IAHR, Kuala Lumpur, Malaysia, August 13-18, 2017 pp. 4017-4025
3	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
4	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
5	Patel, P. L., An dharia, B. R., Manekar, V. L. & Porey, P.D., A 1D numerical model for aggrading channel of non-uniform sediment bed, Proceedings of 37th IAHR World Congress-2017 at Kuala Lumpur, Malaysia during Aug. 13-18, 2017.
6	Chaitanya, J. C., &Patel, P. L., Energy and momentum correction factors under varied roughness and flow conditions in mobile boundary channels, Proceedings of the 22nd HYDRO-2017 International at L D College of Engineering, Ahmedabad during Dec. 21-23, 2017.
7	Neha, M., &Patel, P. L., Computation of channel roughness and unit stream power using simulated and observed flow variables of Middle Tapi River, Proceedings of the 22nd HYDRO-2017 International at L D College of Engineering, Ahmedabad during Dec. 21-23, 2017.
8	Sharma, P. J., Patel, P. L., & Jothiprakash, V., Assessing the impact of Hathnur reservoir on hydrological regime of Tapi River, India, Proceedings of the 22nd HYDRO-2017 International at L D College of Engineering, Ahmedabad during Dec. 21-23, 2017.
9	Resmi, S. R., Patel, P. L. &Timbadiya P. V., A study on morphological changes in Upper Tapi River, India, Proceedings of the 22nd HYDRO-2017 International at L D College of Engineering, Ahmedabad during Dec. 21-23, 2017.
10	Loliyana, V. D., &Patel, P. L., Evaluation of soil moisture prediction for Gopalkheda sub-catchment, India, Proceedings of the 22nd HYDRO-2017 International at L D College of Engineering, Ahmedabad during Dec. 21-23, 2017.
11	P. Ramkar and S.M.Yadav "Assessment of Land Use Land Cover Changes on Part of Middle Tapi Basin" HYDRO 2017 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering December 21-23, 2017, Ahmedabad, India.

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
12	Y.C. Jabbar, S.M. Yadav, "Cumulative monthly averaged data based development of SRC", 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering, 21-23 December, 2017, L.D. College of Engineering Ahmedabad, India.
13	B. Joshi, S.M. Yadav, B K Samtani "Estimation of runoff of Manot sub basin of upper Narmada River using geospatial techniques", 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering, 21-23 December, 2017, L.D. College of Engineering Ahmedabad, India.
14	Baria P. M. and Yadav S. M. "Investigation of Extreme Rainfall for Middle Tapi Basin, India". 22nd International Conference on Hydraulics, Water Resources and Coastal Engineering, 21-23 December, 2017, L.D. College of Engineering Ahmedabad, India.
15	D. Mehta, S. M. Yadav, Sahita Waikhom. "HEC-RAS flow analysis in the river Tapi." 37th IAHR World Congress (Kuala Lumpur, Malaysia) August 2017
16	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.
17	Makwana A R and Ahammed M M (2018) Microbial removal during electrocoagulation of anaerobically-treated municipal wastewater, Second International IWA Conference on Disinfection and Disinfection Byproducts, Beijing, China, May 14-18, 2018
18	Vinitha E V and Ahammed M M (2017) Effect of greywater characteristics on its chemical coagulation, Seventh International IWA-ASPIRE Conference, Kuala Lumpur, Malaysia, September 11-14, 2017
19	Praveen Rathod, V.L. Manekar (2017). "Performance Evaluation of Numerical Simulation for Turbulence Characteristics around Circular Bridge Pier", E-proceedings of the 37th IAHR World Congress at Kuala Lumpur, Malaysia.
20	Jidhi G.K., Praveen Rathod, & V.L. Manekar (2017). "Simulation of Streamflow in Lower Mahi Basin Using ArcSWAT", E-proceedings of the 37th IAHR World Congress at Kuala Lumpur, Malaysia.
21	Praveen Rathod, V.L. Manekar (2017). "Comparative Study of Scour Predicting Models for Field and Laboratory Conditions", International conference on Hydraulics, water resources, costal & Environmental Engineering at L.D. College of Engineering Ahmedabad, India.
22	K.A.Chauhan , Climate Change and Global Sustainability: Action for Bridging the Gap, 2nd International Conference on Climate Change, TIIKM, Colombo, Sri Lanka, 2018
23	A. K. Khambete, Presented review paper title "Receptor Modeling for particulate 1 matter: Review of Indian Scenario" International Conference on "Trends And Recent Advances In Civil Engineering TRACE-2018", Amity University, New Delhi. Accepted for Asian Journal of Water, Environment and Pollution,- Scopus indexed journal Copy right form and paper enclosed
24	A. K. Khambete, Presented paper titled "Air Quality Assessment Using Fuzzy Inference Systems" International Conference on "Advanced Engineering Optimization Through Intelligent Techniques" SVNIT, Surat. Accepted for publication with Advances in Intelligent Systems and Computing, springer proceedings- Scopus indexed Copy right form and paper enclosed
25	A. K. Khambete, Presented review paper titled "Source Apportionment of PM using receptor modeling Review of Indian scenario" International Conference on Emerging Research Trends in Mechanical and Civil Engineering (ICERTMCE-2018) Schools of Mechanical & Civil Engineering of REVA University, Bengaluru, Karnataka State --- Paper and certificate enclosed
26	Kalpesh Borse, Prasit Agnihotri," Estimation of Actual Evapotranspiration Using GIS and Remote Sensing (Case Study: Tapi River Catchment, India)" Proceedings of the 37th IAHR World Congress, August 13 – 18, 2017, Kuala Lumpur, Malaysia
27	Ashish Guruji,Prasit Agnihotri "Morphometric Analysis of Kharpi River in Dang District Using Geospatial Techniques", International Conference on "Hydraulics and Water Resources – Hydro-2017", organized by Indian Society for Hydraulics and L. D. College of Engineering Ahmedabad, India, December 2017
28	Kalpesh Borse, Prasit Agnihotri," Study of Rainfall Trend Analysis of Upper Godavari Basin: A Case Study", organized by Indian Society for Hydraulics and L. D. College of Engineering Ahmedabad, India, December 2017
29	Ashish Dhamaniya and Satish Chandra "Speed Prediction Model on Four-Lane Urban Arterials Under Mixed Traffic Conditions by Using Simultaneous Equation Approach" 97th Annual Meeting of Transportation Research Board (TRB), Washington D.C. (United States), January 7-11, 2018
30	Rajendra Meena, Ashish Dhamaniya and Satish Chandra "Effect of Traffic Composition on Capacity of Six-Lane Urban Arterial Midblock Sections." 97th Annual Meeting of Transportation Research Board (TRB), Washington D.C. (United States), January 7-11, 2018
31	Asir Khan, Sonu Mathew, Ashish Dhamaniya and SS Arkatkar "Modification in HCM Equation of Roundabout Capacity under Heterogeneous Traffic Condition." 97th Annual Meeting of Transportation Research Board (TRB), Washington D.C. (United States), January 7-11, 2018
32	Yogeshwar V Navandar, Ashish Dhamaniya and Dilip A Patel "Concept of Stream Equivalency Factor: A Measure of Heterogeneous Traffic at Tollbooths in India." 97th Annual Meeting of Transportation Research Board (TRB), Washington D.C. (United States), January 7-11, 2018. (Paper Accepted as Practice Ready Paper).
33	Yogeshwar V Navandar, Ashish Dhamaniya and Dilip A Patel "Concept of Tollbooth Equivalency Factor at Toll Plaza under Mixed Traffic Condition." 97th Annual Meeting of Transportation Research Board (TRB), Washington D.C. (United States), January 7-11, 2018
34	Distribution of Service Time at Toll Plaza in India under Mixed Traffic Condition. 12th International Conference of Eastern Asia's Society for Transportation Studies (EASTS), Ho Chi Minh City (Vietnam), September 18-21, 2017.
35	Evaluation of Pedestrian Safety Index at Urban Mid-block. ASCE India Conference, IIT Delhi (India), December 12-14, 2017

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
36	Navandar, Y.V., Golakiya, H.D., Dhamaniya, A., and Patel, D. A., "Vehicle Class Wise Service Time Prediction Models for Tollbooths under Mixed Traffic Conditions" Proceeding - Urbanization Challenges in Emerging Economies: Energy and Water Infrastructure, ASCE India Conference 2017, Pp: 794-806, 2018.
37	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Concept of Stream Equivalency Factor: A Measure of Heterogeneous Traffic at Tollbooths in India". 97th TRB Annual Meeting, Washington D.C., United States, Paper Number 18-02549, January 7-11, 2018.
38	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Concept of Tollbooth Equivalency Factor at Toll Plaza under Mixed Traffic Condition". 97th TRB Annual Meeting, Washington D.C., United States, Paper Number 18-02683, January 7-11, 2018.
39	Navandar, Y.V., Dhamaniya, A., and Patel, D. A., "Distribution of Service Time at Toll Plaza in India under Mixed Traffic Condition". Proceedings of Eastern Asia's Society for Transportation Studies (EASTS), Ho Chi Minh City, Vietnam, Vol.11, September 18-21, 2017.
40	Namrata Jariwala , Prem Mohan (1997) Comparative Study of Fenton and Activated Carbon Treatment for Dyeing Waste Water , ICCEABME 2017: 19th International conference on the Civil Engineering, Architecture, Building materials and Environment at London, United Kingdom during 23-24th November 2017 organized by World Academy Of Science, Engineering and Technology.
41	Patel, C. and Patel, S., 2018. An Infrastructure review of Public Bicycle Sharing System (PBSS): Global and Indian scenario. In: First International Conference on Innovations in Infrastructure (ICIIF 2018).Ahmedabad, India. 18-19 May 2018.
42	Patel, C. and Patel, S., 2018. Public Bike Sharing System: An Initiative for Sustainable Mode of Transportation in Indian Context. In: International Conference on Recent Advance in Transport Infrastructure (RAT 2018), Bhopal, Madhya Pradesh, 13-14 February 2018.
43	Patel, C. and Dhonde, B., 2018. A Review on Urban Freight Transport Studies for Characterizing and Modelling of Freight Trips. In: International Conference on Recent Advance in Transport Infrastructure (RAT 2018), Bhopal, Madhya Pradesh, 13-14 February 2018.
44	Rahul Verma and Kale G D, 5th International Conference on Research Trends in Engineering, Applied Science and Management (ICRTESM-2017), IETE, Pune, Mahatashtra, 23 July 2017.
45	Kale, G. D., Shobhavat, R. H. and Sharma, A. K., Estimation of Reservoir Sedimentation of Ukai Reservoir Using SRS Technique Between Specific Water Surface Elevations, IAHR World Congress 2017, Kuala Lumpur Malaysia, 13-18 August 2017. (Paper published but not presented)
46	Ayush Mishra, Akhilesh Chepuri, Shriniwas Arkatkar, Avijit Maji. Safety Evaluation of Unsignalized Intersection Using Hybrid Approach Involving Empirical and Simulation Data Sources. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018.
47	Narayana Raju, Pallav Kumar, Ayush Jain, Shriniwas Arkatkar, Gaurnag Joshi. Application of Trajectory Data for Investigating Vehicle Behavior in Mixed Traffic Environment. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018.
48	Pallav Kumar, Shriniwas Arkatkar, Gaurnag Joshi, Ashish Dhamaniya. Calibration of Traffic Stream Models on High Speed Urban Roads. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018.
49	Asir Khan, Sonu Mathew, Ashish Dhamaniya Shriniwas Arkatkar, Gaurnag Joshi. Roundabout Capacity in Heterogeneous Traffic Condition: Modification of HCM Equation and Calibration. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018.
50	Pallav Kumar, Narayana Raju, Shriniwas Arkatkar, Gaurnag Joshi. Microlevel Analysis on Traffic Flow Parameters at Work Zone Road Section Using Vehicular Trajectory Data. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018
51	Jairam R, Anil Kumar, Shriniwas Arkatkar, Lelitha Vanajakshi. Performance Comparison of Bus Travel Time Prediction Models Across Indian Cities. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018
52	Narayana Raju, Shriniwas S. Arkatkar, Gaurang Joshi, "Study of Vehicle Following Behavior Under Heterogeneous Traffic Conditions". Accepted for presentation in the Traffic Granular Flow Conference at Washington DC, USA July 19-22, 2017.
53	Raunak Kenny, Akhilesh Chepuri, Shriniwas Arkatkar, Gaurang Joshi and Srinivas Pulugurtha. Study of Transit Reliability on Bus Routes- A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
54	Rupali Zope, Vasudevan N, Shriniwas Arkatkar and Gaurang Joshi. Development of Household Travel Survey Instrument for Sustainable Transportation Planning-A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
55	Pallav Kumar, Narayana Raju, Shriniwas Arkatkar and Gaurang Joshi. Comparison of traffic stream models on multilane urban roads in India-A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
56	Deepa Dileep, Narayana Raju, Shriniwas Arkatkar and Gaurang Joshi. A Comparative Study of Micro-Level Traffic Flow Parameters On Two Expressways in India Using Vehicular Trajectory Data. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay
57	Narayana Raju, Chakradhar Reddy, Pallav Kumar, Shriniwas Arkatkar and Gaurang Joshi. Methodology of Capturing Vehicular Following Behavior Under Heterogeneous conditions. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
58	Avinash Chaudhari, Jiten Shah, Shriniwas Arkatkar, Gaurang Joshi and Manoranjan Parida. Evaluation of safety of margin of pedestrian at mid-blocks in India. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
59	Vinayaraj V S, Avinash Chaudhari, Shriniwas Arkatkar, Gaurang Joshi and Manoranjan Parida. Comparative Study of Pedestrian Critical Gap Estimation Methods at uncontrolled Mid-block Crosswalks. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
60	Rakesh Kulakarni, Akhilesh Chepuri, Shriniwas Arkatkar and Gaurang Joshi. Estimation of Saturation Flow at Signalised Intersections under Heterogeneous Traffic Conditions. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
61	Asir Khan, Sonu Mathew, Ashish Dhamaniya Shriniwas Arkatkar, Gaurang Joshi. Roundabout Capacity in Heterogeneous Traffic Condition: Modification of HCM Equation and Calibration. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018.
62	Pallav Kumar, Narayana Raju, Shriniwas Arkatkar, Gaurang Joshi. Microlevel Analysis on Traffic Flow Parameters at Work Zone Road Section Using Vehicular Trajectory Data. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018
63	Jairam R, Anil Kumar, Shriniwas Arkatkar, Lelitha Vanajakshi. Performance Comparison of Bus Travel Time Prediction Models Across Indian Cities. Accepted for presentation in the 97th Annual Transportation Research Board (TRB) meeting at Washington DC, USA January 7-11, 2018
64	Narayana Raju, Shriniwas S. Arkatkar, Gaurang Joshi, "Study of Vehicle Following Behavior Under Heterogeneous Traffic Conditions". Accepted for presentation in the Traffic Granular Flow Conference at Washington DC, USA July 19-22, 2017.
65	Raunak Kenny, Akhilesh Chepuri, Shriniwas Arkatkar, Gaurang Joshi and Srinivas Pulugurtha. Study of Transit Reliability on Bus Routes- A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
66	Rupali Zope, Vasudevan N, Shriniwas Arkatkar and Gaurang Joshi. Development of Household Travel Survey Instrument for Sustainable Transportation Planning-A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
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68	Deepa Dileep, Narayana Raju, Shriniwas Arkatkar and Gaurang Joshi. A Comparative Study of Micro-Level Traffic Flow Parameters On Two Expressways in India Using Vehicular Trajectory Data. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay
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70	Avinash Chaudhari, Jiten Shah, Shriniwas Arkatkar, Gaurang Joshi and Manoranjan Parida. Evaluation of safety of margin of pedestrian at mid-blocks in India. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
71	Vinayaraj V S, Avinash Chaudhari, Shriniwas Arkatkar, Gaurang Joshi and Manoranjan Parida. Comparative Study of Pedestrian Critical Gap Estimation Methods at uncontrolled Mid-block Crosswalks. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
72	Rakesh Kulakarni, Akhilesh Chepuri, Shriniwas Arkatkar and Gaurang Joshi. Estimation of Saturation Flow at Signalised Intersections under Heterogeneous Traffic Conditions. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
73	Nimit Palsanawala, Omkar Bidkar, Raunak Kenny, Rajendra Meena, Gaurang Joshi and Shriniwas Arkatkar. Planning and designing of truck parking terminal at Kandla port, Gujarat. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
74	Joyjeet Chakraborty, Ayush Mishra, Pallav Kumar, Shriniwas Arkatkar and Gaurang Joshi. Effect of Shoulder Width on Traffic Flow Parameters on Two-Lane Undivided Roads. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
75	Avinash Chaudhari, Jiten Shah, Shriniwas Arkatkar, Gaurang Joshi and Manoranjan Parida. Evaluation of Safety margin of pedestrian at mid-blocks in India. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
76	Rupali Zope, Vasudevan N, Shriniwas Arkatkar and Gaurang Joshi. Development of Household Travel Survey Instrument for Sustainable Transportation Planning. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
77	Bijul Raveendran, Sreejith Raveendran, Shriniwas Arkatkar and Lelitha Vanajakshi. Extraction of micro-level traffic characteristics using image processing technique under heterogeneous traffic. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
78	Soorya V.B., Raunak Mishra, Shriniwas Arkatkar and Lelitha Vanajakshi. Exploring short term bus travel time prediction methods under mixed traffic conditions. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
79	Manraj Singh Bains, Shriniwas Arkatkar, K S Anbumani and Siva Subramaniam. Optimizing Toll Plaza Operations for Reducing Operations Costs and Increasing Service Efficiency Using Micro Simulation Technique. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
80	Chintan Advani, Smit Thakkar, Bijul Raveendran, Sachin Shah, Shriniwas Arkatkar and Ashish Bhaskar. A Wi-Fi/Bluetooth sensor-based approach of measuring travel time and intersection-delay under mixed traffic conditions. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
81	Rupali Zope, Vasudevan N, Shriniwas Arkatkar and Gaurang Joshi. Development of Household Travel Survey Instrument for Sustainable Transportation Planning. A Case Study of Indian cities. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
82	Bijul Raveendran, Sreejith Raveendran, Shriniwas Arkatkar and Lelitha Vanajakshi. Extraction of micro-level traffic characteristics using image processing technique under heterogeneous traffic. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
83	Soorya V.B., Raunak Mishra, Shriniwas Arkatkar and Lelitha Vanajakshi. Exploring short term bus travel time prediction methods under mixed traffic conditions. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
84	Manraj Singh Bains, Shriniwas Arkatkar, K S Anbumani and Siva Subramaniam. Optimizing Toll Plaza Operations for Reducing Operations Costs and Increasing Service Efficiency Using Micro Simulation Technique. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.
85	Chintan Advani, Smit Thakkar, Bijul Raveendran, Sachin Shah, Shriniwas Arkatkar and Ashish Bhaskar. A Wi-Fi/Bluetooth sensor-based approach of measuring travel time and intersection-delay under mixed traffic conditions. Accepted for Presentation at 4th Conference of Transportation Research Group of India (CTRG 2017) to be held during 17th to 20th December 2017 at Bombay.

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Krishna Sanjay, <b>Patel C. M.</b> , MD Simulations of Mechanical behaviour of Nylon- 6/Nano-Starch Nanocomposites, Proceedings of the "3 <sup>rd</sup> International World Research Journals congress", Bangalore, January 10-12, 2018, pp. 81-83.
02	<b>Patel Chetan M.</b> , Preparation of Lamotrigine Drug Nanoparticles by Nanomilling, Proceedings of the "3 <sup>rd</sup> International World Research Journals congress", Bangalore, January 10-12, 2018, pp. 136-140.
03	<b>Patel Chetan M.</b> , Optimization and Preparation of Calcium Carbonate Nanoparticles using Taguchi and Artificial Neural Networks, Proceedings of the 3 <sup>rd</sup> International World Research Journals congress", Bangalore, January 10-12, 2018, pp. 141-147.
04	Krishna Sanjay, <b>Patel Chetan M.</b> , Mechanical Simulations of Nylon6/nano-Alumina Nanocomposites, Proceedings of the "3 <sup>rd</sup> International World Research Journals congress", Bangalore, January 10-12, 2018, pp. 154-158.
05	Shilpa Nandwani, <b>Smita Gupta</b> and <b>Mousumi Chakraborty</b> , Presented paper at ICAEASM-2018, Osmania University, Hyderabad on 28 <sup>th</sup> Jan 2018, Application of ionic liquid based viscoelastic surfactant in Enhanced Oil Recovery process, ISBN: 978-93-87433-10-6 (2018) 691-696.
06	<b>Smita Gupta</b> Presented paper at ICAEASM-2018, Osmania University, Hyderabad on 28 <sup>th</sup> Jan 2018, , Application of Artificial Neural Network (ANN) for the Extraction of a Non-Steroidal Anti-Inflammatory Drug through Emulsion Liquid Membrane, ISBN: 978-93-87433-10-6 (2018) 591-697.
07	<b>Z.V.P. Murthy</b> , Preeti Arunachalam, Sangeeta Balram, Cadmium Separation from Aqueous Solutions by Natural Biosorbents. Paper Presented at the "ICACCE 2018: 20th International Conference on Applied Chemistry and Chemical Engineering to be held in Bangkok, Thailand, organized by the World Academy of Science, Engineering and Technology, WASET 2018", during February 8-9, 2018.
08	Arkatkar, A., D., Mishra, P., <b>Mungray. A. K.</b> , Effect of enrichment treatment on electron transfer mechanism of MFC inoculum. RECYCLE 2018, International Conference and Waste Management, 22-24 Feb., 2018, IIT Guwahati.
09	Prakash, O., Patel, N., <b>Mungray, A. A.</b> , <b>Mungray, A. K.</b> , Performance of dual metal oxide coated anodes for benthic microbial fuel cell reactor for bio-electricity generation. RECYCLE 2018, International Conference and Waste Management, 22-24 Feb., 2018, IIT Guwahati.
10	<b>Sanjaykumar R. Patel</b> , Parth Kayasth, <a href="#">Ultrasound Assisted Cooling Crystallization of Lactose Monohydrate</a> , Conference proceedings, Bangkok, Thailand, February 08-09, 2018, 20(2), pp. 415-418. Proceedings of the "20th International Conference on Applied Chemistry and chemical Engineering", Bangkok, Thailand, organized by the World Academy of Science, Engineering and Technology.
11	Sunny Arora, <b>Meghal A. Desai</b> , Extraction of natural colorant from the flowers of Flame of Forest using ultrasound; 20 <sup>th</sup> International Conference on Applied Chemistry and Chemical Engineering (WASET); Bangkok, Thailand; February 2018.

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
12	G. C. Jadeja, M. A. Desai, D. R. Bhatt, J. K. Parikh, Green extraction of patchoulol from patchouli leaves using ultrasound-assisted ionic liquids; 20 <sup>th</sup> International Conference on Applied Chemistry and Chemical Engineering (WASET); Bangkok, Thailand; February 2018.
13	Priti Ganorkar, Girirajsinh Jadeja, Meghal Desai, Waste Valorization of Water Hyacinth; 1 <sup>st</sup> International Conference on Energy and Environment – Global Challenges; NIT Calicut; Kerala; March 2018.
14	Preeti Jain, Sanjay Patel, Meghal Desai; Encapsulation of Essential Oil: A Review; 1 <sup>st</sup> International Conference on Energy and Environment – Global Challenges; NIT Calicut; Kerala; March 2018.
15	Z.V.P. Murthy, A.D. Modi, Synthesis of microwave assisted Sn-ZSM-5 zeolite membranes, characterization and application in pervaporative separation of butyl acetate-water mixtures. Presented at "World Conference on Science, Technology & Medicine" (WCSTM 2017), Diera, Dubai UAE, 12-14 August 2017
16	Bhagwan Pralhad Parihar, Smita Gupta and Mousumi Chakraborty Presented paper at 8 <sup>th</sup> International Conference on Environmental Science and Technology, 12-14 <sup>th</sup> June 2017 Madrid, Spain.; Study on Photocatalytic Degradation of Endocrine Disrupting Compound, Published in Conference proceedings 78, (2017) 1-4.
17	Dharmesh H. Sur and Mausumi Mukhopadhyay, Biotechnological application of three phase fluidized bed for Cod reduction", Abstract Published in Proceeding of International Conference on Emerging Trend in Biotechnology for Water Conversion (ETBWC-2017), NEERI, Nagpur, India. Abstract ID: NB144, (2017), pp. 360.
18	Raj Kumar, Chetan M. Patel, Arun K. Jana, Srikanth R. Gopireddy, Numerical Study of the Effects of Vibration on Segregation and Mass Discharge Rate From a Conical Hopper, presented at Asian Particle Technology Symposium, July 30- August 3, 2017, Taoyuan, Taiwan
19	Raj Kumar, Chetan M. Patel, Arun K. Jana, Srikanth R. Gopireddy, Investigation of Mass Discharge Rate and Segregation from Hopper by Discrete Element Method, Proceedings of the "V International Conference on Particle-Based Methods. Fundamentals and Applications (PARTICLES 2017)", Hannover, Germany, September 26-28, 2017, pp. 351-362.
20	Chetan M. Patel, Development of the Experiment to Predict Conversion in Batch Reactor Using Virtual Laboratory and Artificial Neural Network, Proceedings of the "4 <sup>th</sup> International Conference on Industrial Engineering (ICIE-2017)" Surat, December 21-23, 2017, pp. 915-922.
21	V. N. Lad, Modifying the Interfacial Interactions in Gels by Selective Use of Nanoparticles in Optimized Conditions' Nanobiotechnology Conference, Dubai, May 27-29, 2017.
22	Nitu Kumari, Sanjaykumar R. Patel and Jignasa V. Gohel, Optimization of type and concentration of dopant (Sb and Al) for ZnO thin films prepared by spray pyrolysis technique and their applications in perovskite solar cells, International Journal of Research, 4, 938-941 special issue of National conference on "Recent advances and future Trends in chemical Technology-2017, 16 <sup>th</sup> September, 2017, Nirma University, Ahmedabad.
23	Nitu Kumari, Sanjaykumar R. Patel and Jignasa V. Gohel Titanium oxide thin film preparation, characterization and application in dye sensitized solar cells, Symposium on sustainability of chemical industries: exploring new avenues for growth: 2017, GCET, Aanad during 22-23 August 2017.
24	Siddhant B. Patel and Jignasa V. Gohel, "Influence of thin film quality control parameters on the properties of spray coated Tin monosulfide thin films for photovoltaic application" –Dubai (UAE) from Proceedings of the "International Conference on Agricultural, Chemical, Biological and Environmental Science (ACBES 2017), Dignified Researchers Publication (DIRPUB), Dubai, October 17-19, 2017, pp.181-186.
25	Niraj Prasad, Sumita Dasgupta, Mousumi Chakraborty, Smita Gupta Presented paper at 8 <sup>th</sup> International Conference on Environmental Science and Technology, 12-14 <sup>th</sup> June 2017 Madrid, Spain.; Isolation and Characterization of Biosurfactant Producing Bacteria for the Application in Enhanced Oil Recovery, 78, Conference proceedings (2017) 1-7.
26	Himanshu P. Kohli, Smita Gupta, Mousumi Chakraborty Presented paper at International conference organised by The Institution of Engineers (India) on 16-17 <sup>th</sup> Sep 2017.; Applicability of Hollow Fiber Strip Dispersion for the removal of metal ions for the treatment of waste water, International Conference Proceeding (2017) 503

COMPUTER ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Rutal Mahajan and Mukesh Zaveri, "SVNIT SemEval 2017 Task-6: Learning a Sense of Humor using Supervised Approach", Proceedings of the 11th International Workshop on Semantic Evaluations (SemEval-2017), Association for Computational Linguistics, USA, pp. 411–415, August 3-4 2017, Vancouver, Canada.
02	J. Sathish Kumar, Mukesh A. Zaveri, Meghavi Choksi, "Task based Resource Scheduling in IoT Environment for Disaster Management", Proceedings of Elsevier/IEEE 7th International Conference on Advances in Computing and Communications (ICACC 2017), Science Direct, Elsevier Procedia Computer Science, Vol. 115, pp. 846-852, 22-24 August 2017, Kochi, India.
03	Saurabh K. Pandey and Mukesh A. Zaveri, "Event Localization in the Internet of Things Environment", Proceedings of Elsevier/IEEE 7th International Conference on Advances in Computing and Communications (ICACC 2017), Science Direct, Elsevier Procedia Computer Science, Vol. 115, pp. 691-698, 22-24 August 2017, Kochi, India.
04	J. Sathish Kumar, Mukesh A. Zaveri, Meghavi Choksi, "Activity based Resource Allocation in IoT for Disaster Management", Proceedings of 1st EAI International Conference on Future Internet Technologies and Trends (ICFITT-2017), Springer Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, Vol. 220 (January 2018), pp. 215-224, August 31 - September 2, 2017, Surat, India.
05	Devang Pandya and Mukesh A. Zaveri, "Novel frame based approach for automatic event boundary detection of soccer video using optical flow", Proceedings of IEEE International Conference on Signal and Image Processing Applications (ICSIPA 2017), September 12-14, 2017, Kuching, Malaysia.
06	J. Sathish Kumar and Mukesh A. Zaveri, "Graph based Resource Allocation for Disaster Management in IoT Environment", Proceedings of Second ACM International Conference on Advanced Wireless Information, Data, and Communication Technologies (AWICT 2017), November 13-14, 2017, Paris, France.



COMPUTER ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
07	Rutal S. Mahajan and Mukesh A. Zaveri, "Modeling paraphrase identification using supervised learning methods against various datasets and features", Proceedings of IEEE International Conference on Computational Intelligence and Computing Research (ICCIC 2017), 14-16 December, 2017, Coimbatore, Tamilnadu, India.
08	Siddharth Seth and Mukesh A. Zaveri, "Conditional Generative Recurrent Adversarial Networks", Proceedings of 2nd International Conference on Smart Computing & Informatics (SCI-2018), Springer SIST Smart Innovation, Systems and Technologies (SIST) series, 27-28 January, 2018, Vijayawada, Andhra Pradesh, India.
09	J Dhanani, R Mehta, D Rana, B Tidke, "Back-Propagated Neural Network on MapReduce Frameworks: A Survey", 2nd International Conference on Smart Innovations in Communications and Computational Sciences (ICSICCS-2018), Indore, MP, pp. 381-391, 28-29 April 2018.
10	AS More, Dipti P Rana, "Review of random forest classification techniques to resolve data imbalance", IEEE 1st International Conference on Intelligent Systems and Information Management (ICISIM), pp. 72-78, 2017.
11	Tidke, B., Mehta, R. G., & Dhanani, J., "Real-Time Bigdata Analytics: A Stream Data Mining Approach", In Recent Findings in Intelligent Computing Techniques (pp. 345-351). Springer, Singapore, 2018.
12	Tidke, Bharat, Rupa Mehta, and Jenish Dhanani. "A Comprehensive Survey and Open Challenges of Mining Bigdata." In International Conference on Information and Communication Technology for Intelligent Systems, pp. 441-448. Springer, Cham, 2017.
13	Tidke, Bharat, and Rupa Mehta. "A Comprehensive Review and Open Challenges of Stream Big Data." In Soft Computing: Theories and Applications, pp. 89-99. Springer, Singapore, 2018.
14	Sonal Patil, K. N. Jariwala. "Survey of Methods used for Investigating Quantization Artifacts for tampering Localization in Compressed Images." WRFER – International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT). 14th January 2018
15	Ravichandra, Ginne, K. N. Jariwala. "Facial Expression Recognition using CNN : A Survey". WRFER – International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT). 14th January 2018
16	Gaurav Buddhawar, K. N. Jariwala. "Identification of Medicinal Plants in Forest Area - Pattern Recognition Approaches". Conference Fora –International Conference On Electrical, Electronics, Computer Science And Engineering (ICEECSE). 19-20th January 2018
17	Shivaji Lahane, K. N. Jariwala. Cross Layer Design Approach for Routing Optimization in Wireless Sensor Network. IRF – International Conference on Big Data, Computer Science and Information Technology (ICBDCSIT). 21st January 2018
18	Sonal P Patil, K. N. Jariwala. Review on Marathi and Sanskrit Word Recognition using Genetic Algorithm. IRF – International Conference on Big Data, Computer Science and Information Technology (ICBDCSIT). 21st January 2018
19	K. N. Jariwala. Real Time Vision based Approaches for Eye Tracking, Head Pose and Gaze Estimation. IRF – International Conference on Big Data, Computer Science and Information Technology (ICBDCSIT). 21st January 2018
20	K. N. Jariwala. Gaze Based Interface – A Novel Approach. IRF – International Conference on Big Data, Computer Science and Information Technology (ICBDCSIT). 21st January 2018
21	Sonal Patil, K. N. Jariwala Handwritten English, Marathi And Sanskrit Word Recognition Using Artificial Neural Network and Feature Extraction. ARSSS – International Conference On Electrical, Electronics, Computer Science And Information Technology (ICEECSIT). 4th February 2018
22	Sonal Patil, K. N. Jariwala Identification Of Marathi And Sanskrit Compound And Non-Compound Word Using Genetic Algorithm. ARSSS – International Conference On Electrical, Electronics, Computer Science And Information Technology (ICEECSIT). 4th February 2018
23	Shiva Verma, K. N. Jariwala. Comparison And Analysis Of Age Classification Techniques. ARSSS – International Conference On Electrical, Electronics, Computer Science And Information Technology (ICEECSIT). 4th February 2018
24	Tilak Patel, K. N. Jariwala. Fog Computing In IoT. ARSSS – International Conference On Electrical, Electronics, Computer Science And Information Technology (ICEECSIT). 4th February 2018
25	Ankita Mithaiwala, K. N. Jariwala. Comparative Analysis Of Packet Sniffers, Analysers And Tools. ARSSS – International Conference On Electrical, Electronics, Computer Science And Information Technology (ICEECSIT). 4th February 2018
26	Rasika Kandere, K. N. Jariwala. Image Similarities And Duplication in Web Based Searching. ARSSS – International Conference On Electrical, Electronics, Computer Science And Information Technology (ICEECSIT). 4th February 2018
27	K. N. Jariwala. Evaluation Of Iris Recognition Methods Using Compressed Iris Images. ARSSS – International Conference on Recent Advances in Computer Science and Information Technology (ICRACSIT). 11/2/2018
28	Sonal Patil, K. N. Jariwala. Digital Image Forgery Detection using Passive Techniques by means of Keypoint Classification. Conference Fora 4th International Conference On Electrical Electronics And Computer Science Engineering (ICEECSE). 3-4th March 2018
29	Shrikant P Mudnur, Satish Raj Goyal, K. N. Jariwala A Survey on Image Hiding Scheme Using Haar DWT, Data Compression and Encryption Techniques. Conference Fora 4th International Conference On Electrical Electronics And Computer Science Engineering (ICEECSE). 3-4th March 2018
30	Shivaji Lahane, K. N. Jariwala. Network Structured Based Routing Techniques in Wireless Sensor Network. IEEE's 3rd International Conference For Convergence In Technology (I2CT). 6-8th April, 2018
31	Shiva Verma, K. N. Jariwala. Age & Gender Classification Using Histogram of Oriented Gradients and Back Propagation Neural Network. Conference 6th International Conference on Electrical Electronics and Computer Science Engineering (ICEECSE). 5 – 6th May 2018
32	Vaibhaskumar Baviskar, S. R. Goyal, Dr. Krupa N. Jariwala. Enhancement of Video Performance by Using Segmentation Algorithm with Deep Learning. Conference 6th International Conference on Electrical Electronics and Computer Science Engineering (ICEECSE). 5 – 6th May 2018

COMPUTER ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
33	<b>Ruchika Gupta, Udai Pratap Rao, and Manish Kumar.</b> "Perturbed Anonymization: Two Level Smart Privacy for LBS Mobile Users", 4th International Conference on Cryptography and Information Security (CRIS 2018), Computer Science & Information Technology, Feb 24-25, pp. 69-79, 2018
34	<b>Macwan, K. R., &amp; Patel, S. J.</b> Mutual Friend Attack Prevention in Social Network Data Publishing. In International Conference on Security, Privacy, and Applied Cryptography Engineering (pp. 210-225). Springer, Cham. (2017, December)
35	<b>Sanghvi, S. S., &amp; Patel, S. J.</b> Investigating Privacy Preserving Technique for Genome Data. In International Conference on Future Internet Technologies and Trends (pp. 106-115). Springer, Cham. (2017, August).

ELECTRONICS ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	<b>Sumit Chalganje, Ishan Dave, Kishor Upla,</b> "A Robust Approach for Multisensor Medical Image Fusion" , Fourth International Conference on Image Information Processing (ICIIP -2017) December 21 -23, 2017 Jaypee University of Information Technology Waknaghat, District Solan, Near Shimla, Himachal Pradesh, INDIA
02	<b>Vishal Chudasama, Kishor Upla,</b> "Critical Review of Generative Adversarial Networks based on Stability Criteria," Sixth International Conference on Research Methodologies in Electronic Devices and Circuits - EDC 2018, has been accepted. The EDC2018 conference is jointly organized by the IDES and Association of Computer Electrical Electronics and Communication Engineers (ACEECom) and will be held during Jan 19-20, 2018 in Trivandrum, India.
03	<b>Rasika Dhavse, Anand Darji, Kumar Prashant, Chetan Dabhi, R. M. Patrikar,</b> "Tunnel Oxide Degradation Induced by EBL Synthesized Nanocrystals in a Flash Gate Stack", 5 <sup>th</sup> Annual International Conference on Material Science, Metal and Manufacturing, Singapore, 12-13 March 2018, pp. 45-48, ISSN 2251-1857, doi: 10.5176/2251-1857-M317.23
04	<b>Mehul Desai, Dr. Shweta Shah,</b> "Analysis of Ionospheric Correction Approach For IRNSS/NavIC System Based On IoT Platform", 1st EAI International Conference on Future Internet Technologies and Trend (ICFITT-2017), Electronics Engineering Department, SVNIT, 31-August – 2 September 2017.
05	<b>Srijeeth R., Dr. Shweta Shah,</b> "FFT Averaging Ratio Algorithm for IRNSS", 1st EAI International Conference on Future Internet Technologies and Trend (ICFITT-2017), Electronics Engineering Department, SVNIT, 31-August – 2 September 2017
06	<b>Priyanka Lineswala, Dr. Shweta Shah,</b> "Designing of SDR Based Malicious Act: IRNSS Jammer", 1st EAI International Conference on Future Internet Technologies and Trend (ICFITT-2017), Electronics Engineering Department, SVNIT, 31-August – 2 September 2017
07	<b>Rahul Yadav, Piyush N. Patel,</b> "A Microwave Metallic Photonic Crystal-Based RF-Probe for the Characterization of Colloidal Gold Nanoparticles," Asia Pacific Microwave Conference, Nov. 2017
08	<b>Ratnesh Kumari, Piyush N. Patel, Rahul Yadav,</b> "Artificial Epsilon Negative Structure-Inspired Microwave Bandstop Filter for Wide Frequency Diversity," Asia Pacific Microwave Conference, Nov. 2017
09	<b>Ishan Dave, Vikas Chaudhary and Kishor Upla</b> "Simulation of Analytical Chemistry Experiments on Augmented Reality Platform" in 2nd International Conference on Advanced Computing and Intelligent Engineering (ICACIE 2017) published in Springer
10	<b>Mitesh Solanki, Shilpi Gupta,</b> " Performance Analysis of Nakagami and Rayleigh Fading for 2x 2 and 4x4 MIMO channel with spatial multiplexing", 1st EAI International Conference on Future Internet Technologies and Trend (ICFITT-2017), pp.254-263, 31-August – 2 September 2017
11	<b>Pooja Bhamre, Shilpi Gupta,</b> "A Review on Polyphase coded Waveforms for MIMO Radar with increased orthogonality", 1st EAI International Conference on Future Internet Technologies and Trend (ICFITT-2017), pp. 230-236, SVNIT, 31-August – 2 September 2017
12	<b>Monika Gambhir, Shilpi Gupta,</b> "Sensitivity Analysis of Phase Matched Turning point Long period fiber gratings", 1st EAI International Conference on Future Internet Technologies and Trend (ICFITT-2017), pp. 247-253, 31-August – 2 September 2017
13	<b>Zuber M. Patel,</b> "Queue occupancy estimation techniquis using IEEE International Conference on Circuits and Systems (ICCS-2017) Dec. 2017
14	<b>Zuber M. Patel,</b> "Configurable Mapper and Demapper for Physical Layer of SDR based wireless transceiver," Springer/CCCPE-208, CMR Institute, Hyderabad, Jan. 2018
15	<b>Zuber M. Patel,</b> "Modified DRR with Negative Deficit for Packet Scheduling in Routers Zuber Patel," ARSSS International Conference on Networking, Communication and Computing Technology (ICNCCT), pp.70-73, Feb. 2018
16	<b>Jimit Mistry, Aashish K. Misraa, Meenu Agarwal, Ayushi Vyas, Vishal M. Chudasama, Kishor P. Upla,</b> "An Automatic Detection of Helmeted and Non-helmeted Motorcyclist with License Plate Extraction using Convolutional Neural Network " seventh International Conference on Image Processing Theory, Tools and Applications (IPTA 2017) held on November 28th to December 1st, 2017, in Montreal, Canada.
17	<b>Prashant Howal, Kishor Upla and Mehul Patel,</b> "HDL Implementation of Digital Filters Using Floating Point Vedic Multiplier, IEEE International Conference on Circuits and Systems (ICCS-2017) held during 20th and 21st Dec 2017.

ELECTRONICS ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
18	Nikhil Dhengre, Kishor Upla, Heena Patel, Vishal M. Chudasama, "Bio-medical Image Fusion Based on Phase-congruency and Guided Filter" Fourth International Conference on Image Information Processing (ICIIP -2017) December 21 -23, 2017 Jaypee University of Information Technology Waknaghat, District Solan, Near Shimla, Himachal Pradesh, INDIA
19	SumitChalgarje, Ishan Dave, KishorUpla, "A Robust Approach for Multisensor Medical Image Fusion" Fourth International Conference on Image Information Processing (ICIIP -2017) December 21 -23, 2017 Jaypee University of Information Technology Waknaghat, District Solan, Near Shimla, Himachal Pradesh, INDIA
20	Vishal Chudasama, Kishor Upla "Critical Review of Generative Adversarial Networks based on Stability Criteria," Sixth International Conference on Research Methodologies in Electronic Devices and Circuits - EDC 2018, The EDC2018 conference is jointly organized by the IDES and Association of Computer Electrical Electronics and Communication Engineers (ACEECom) and will be held during Jan 19-20, 2018 in Trivandrum, India.
21	Rasika Dhavse, Anand Darji, Kumar Prashant, Chetan Dabhi, R. M. Patrikar, "Tunnel Oxide Degradation Induced by EBL Synthesized Nanocrystals in a Flash Gate Stack", 5th Annual International Conference on Material Science, Metal and Manufacturing, Singapore, 12-13 March 2018, pp. 45-48, ISSN 2251-1857, doi: 10.5176/2251-1857-M317.23
22	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal. "Performance Analysis of Optical Double Sideband and Optical Single Sideband Generation using Mach Zehnder Modulator Chirp and Extinction Ratio over Different Fiber Link." In 2nd IEEE International Conferences For Convergence of Technology (I2ct), Pune, India (2017).
23	Patel Dhananjay, Vinay Kumar Singh, and U. D. Dalal. " Performance Evaluation of a Single Mode-Multi Mode Cost Efficient Fiber Link used for 4/16/64 QAM Gigabit OFDM MMW Transmission using Different MZM Modulation Schemes." In 2nd IEEE International Conferences For Convergence of Technology (I2ct), Pune, India (2017).

ELECTRICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Ramanjaneyulu Alla and <b>Anandita Chowdhury</b> , "An Implanted Hybrid Three Quasi Z source Inverter for Photovoltaic Power Generation Applications", IEEE conference, SCEECs '18, MANIT, Bhopal, Feb. 24-25, 2018
02	Dhrupa Patel, <b>Anandita Chowdhury</b> , "Dynamic control and performance of a Sen Transformer for stabilizing an AC transmission system and improved voltage profile", IEEE conference, ICPECTS, 2018, Sri Sai Ram Engineering college, West Tambaram, Chennai, Feb.22-23, 2018
03	Pravin Borkar, <b>Anandita Chowdhury</b> , Analysis of Quasi Y source inverter with maximum boost control Technique, NPEC 2017, COEP Pune
04	Nidhi J Gohil, <b>Prasanta Kundu, Anandita Chowdhury</b> , Partial Discharge Source Localization using UHF Sensors, CATCON 2017, Pg 212-215
05	Sandhya Rathore, and <b>Shambhu N. Sharma</b> Consensus on ItôvsStratonovich Dilemma Revisited, The Fifth International Conference on Advanced Control and Optimization in Dynamical Systems, an IFAC Conference, <b>Dr. APJ Abdul Kalam Missile Complex, Hyderabad</b> , February 18-22, 2018.
06	Ashok Parmar and <b>P B Darji</b> , "Comparative analysis of optimum capacity allocation and pricing in power market by different optimization algorithms," 7th International Conference on Soft Computing for problem solving, Dec 23-27 2017.
07	Rajesh Prasad and <b>Mahmadasraf A. Mulla</b> , "Position-Sensorless Algorithm for Stator-Flux-Oriented Control of Single VSC-Based DFIG," in the 7th International Conference on Power Systems (ICPS), 2017, at College of Engineering, Pune during 21st– 23rd December 2017.
08	P. L. Kamani and <b>Mahmadasraf A. Mulla</b> , "Simpson's Rule Based SHE Pulse-Amplitude Modulation for Cascaded Multilevel Inverters," in the 7th International Conference on Power Systems (ICPS), 2017, at College of Engineering, Pune during 21st– 23rd December 2017.
09	Payal Patel and <b>Mahmadasraf A. Mulla</b> , "Multi-carrier Pulse Width Modulation for Multi-modular Matrix Converter" in the 9th IEEE PES Asia-Specific Power and Energy Engineering Conference 2017 held at IISC Bangalore, during 8-10 November 2017.
10	Tejeswar Nukala, <b>A. K. Panchal</b> , "Maximum power point tracking of PV module based on new explicit I-V relation " 44th IEEE Photovoltaic Specialists Conference (PVSC) at Washington DC, USA, June-2017.
11	Hitesh K. Mehta, <b>A. K. Panchal</b> , "A direct maximum power point search using current-voltage based power-law relation for photovoltaic system under uniform irradiance" 44th IEEE Photovoltaic Specialists Conference (PVSC) at Washington DC, USA, June-2017.
12	Mukul Dixit, <b>Prasanta Kundu, Hitesh. R. Jariwala</b> , Optimal placement of Photo-voltaic array and Electric Vehicles in distribution network under load uncertainty, IEEE PES General Meeting 2017, Chicago, USA, July-2017
13	Nidhi J Gohil, <b>Prasanta Kundu, Anandita Chowdhury</b> , Partial Discharge Source Localization using UHF Sensors, 2017 3rd International Conference on Condition Assessment Techniques in Electrical Systems (CATCON)16th to 18th November, 2017
14	Karthik B G, Kavya C.S, <b>Prasanta Kundu</b> , Analysis of Electric Stress and Partial Discharge Ultra High Frequency Signal, 2017 3rd International Conference on Condition Assessment Techniques in Electrical Systems (CATCON)16th to 18th November, 2017
15	Sunilkumar Agrawal and <b>Prasanta Kundu</b> , A Unified Power Flow Analysis for VSC-MTDC System With Distributed Generation, 2017 7th International Conference on Power Systems (ICPS)College of Engineering Pune, India. Dec 21-22, 2017
16	D. Y. Dube, <b>H. G. Patel</b> , Estimation of the Helicopter system dynamics, 14 IEEE India council International conference (INDICON), IIT, Roorkee, 15-17 December, 2017.

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
17	B. Patel, <b>H.G. Patel</b> , Intravenous Anesthesia Automation with Internal and Instrumental Delay, 2017 IEEE 12th International conference on Industrial and Information systems (ICIIS), University of Peradeniya, Sri-lanka, 13-16 December 2017.
18	D. D. Patel, N. G. Chothani, <b>K. D. Mistry</b> , "Transformer Inrush/ Internal fault Identification Based on Average Angle Second Order Derivative of Current", IEEE-PES 2017 Asia-Pacific Power and energy Engineering Conference(APPEEC), Bangalore,8-10 November. 2017
19	Ashokkumar Lakum and <b>Vasundhara Mahajan</b> , Optimal Placement and Sizing of Multiple Active Power Filters for Radial Distribution System Using Grey Wolf Optimizer", 7th IEEE International Conference on Power Systems (ICPS), 21 – 23 December, 2017, College of Engineering, Pune, India.
20	Ritu Jain and <b>Vasundhara Mahajan</b> , "Computation of Locational Marginal Price in deregulated power market in different load and system conditions", 14th IEEE India Council International Conference (INDICON), 15-17 Dec 2017, IIT Roorkee, India.
21	Vijay K. Prajapati and <b>Vasundhara Mahajan</b> , "Grey wolf Optimization based Energy Management by Generator Rescheduling with Renewable Energy Resources", 14th IEEE India Council International Conference (INDICON), 15 – 17 December 2017, IIT Roorkee, India.
22	<b>Rakesh Maurya</b> , Praveen Patel, "Quadratic SEPIC Derived Hybrid Output Converter For Photo-Voltaic Applications" in proc.of 6th International Conference On Computer Applications in Electrical Engineering- Recent Advances (CERA-2017), at I.I.T. Roorkee, India 5th -7th October, 2017
23	Jawaharlal Bhukya and <b>Vasundhara Mahajan</b> , "Small Signal Stability Assessment of a DFIG based Wind Power Systems", 2nd IEEE International Conference on Recent Trends in Electronics, Information & Communication Technology (RTEICT), 2017, Sri Venkateshwara College of Engineering, Bangalore, India. (DOI: 10.1109/RTEICT.2017.8256553)
24	Jawaharlal Bhukya and <b>Vasundhara Mahajan</b> , "Integration of DFIG Based Wind Turbine Generator on Small Signal Stability of Power Systems", IEEE Innovations in Power and Advanced Computing Technologies, (i-PACT), 2017, VIT Vellore, India. (DOI: 10.1109/IPACT.2017.8244971)
25	K. Bhatia, P. B. Darji and H. R. Jariwala, "Safety Analysis of TN-S and TN-C-S Earthing System," 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, 2018, pp. 1-6.
26	K. Bhatia, P. B. Darji and H. R. Jariwala, "Analysis of Touch Voltage in TN-S Earthing System," 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), Palermo, 2018, pp. 1-6
27	Gor, C. P., Shah, V. A., G. Prankit., and Lokhande, M., (2017, October), "Real time simulation of multiphase induction motor for electric vehicles using RT lab". IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society, Beijing, China.
28	P. Gujarathi, V. A. Shah, and M. Lokhande, "Performance analysis of converted parallel plug-in hybrid electric vehicle," in Proc. of IEEE 8th Control and System Graduate Research Colloquium (ICSGRC), 2017 pp. 191-196.
29	P. Gujarathi, V. A. Shah, and M. Lokhande, "Fuzzy logic based energy management strategy for converted parallel plug-in hybrid electric vehicle," in Proc. of IEEE 8th Control and System Graduate Research Colloquium (ICSGRC), 2017, pp. 185-190.
30	P. Gujarathi, V. A. Shah, and M. Lokhande, "A seven switch all in one power electronic topology for converted plug-in hybrid electric vehicle," in Proc. of IEEE International Conference on Smart Technologies and Management for Computing, Communication, Controls, Energy and Materials (ICSTM), 2017, pp. 477-483.

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	A. B. Desai, K. P. Desai, H. B. Naik, M. D. Atrey : Optimization of Thermoacoustic engine driven Thermoacoustic refrigerator using response surface methodology IOP Conference Series: Materials Science and Engineering, 171 (2017) ICECICMC
02	P. B. Gujarati, K. P. Desai, H. B. Naik, M. D. Atrey : Transient analysis of single stage GM type double inlet pulse tube cryocooler ; IOP Conference Series: Materials Science and Engineering, 101 (2017) ICECICMC
03	Dr. H. K. Raval : Research on Forces and Formability during Flow Forming Process ; 20th conference on Advances in Materials and Proessing Technologies (AMPT 2017), VIT Chennai, 11-14 Dec, 2017
04	Dr. H. K. Raval : An Investigation on Forces during End Milling Process Considering Different Failure Criteria. ; 10th International Conference on Precision, Meso, Micro and Nano Engineering (COPEN-2017), IIT Madras, 2017
05	Dr. T. N. Desai : Reducing rejection through DMAIC approach in Indian manufacturing industry: A six sigma case study ; International Conference on Manufacturing And Industrial Engineering (ICMIE- 2017), September 14-16, 2017
06	Dr. Jyotirmay Banerjee : "A volume preserving inflow boundary based numerical tank applied to wave –structure interaction in near shallow water" ; Shaswat Saincher and J Banerjee, 2017, In Proceedings of VII the International Conference on Computational Methods in Marine Engineering (MARINE-2017), held at Nantes, France
07	Dr. Jyotirmay Banerjee : "Numerical Investigations on Hydrodynamic Efficiency of Oscillating water column" Suraj Garad, Shaswat Saincher, Jyotirmay Banerjee, 6 th Asian Symposium on Computational Heat Transfer and Fluid Flow
08	Dr. Jyotirmay Banerjee : "Direct Numerical Simulation of Free Circular Jet: Effect of Reynolds Number on the Growth of Different Instability Mechanisms" <a href="#">Sagar Narendrakumar Dave</a> , Abhishek Ballani, Jyotirmay Banerjee, 44th National Conference on Fluid Mechanics and Fluid Power, At Amrita University, December 2017
09	Dr. Jyotirmay Banerjee : "Analysis of Three Dimensional Growth of Large-Scale Structures in Free Circular Jet" Sagar N. Dave, Ashutosh Joshi, Jyotirmay Banerjee, 44th National Conference on Fluid Mechanics and Fluid Power, At Amrita University, December 2017

MECHANICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
10	Dr. Jyotirmay Banerjee and Dr. Manish Rathod : "Effect of orientation of shell and tube latent heat storage unit on melting phenomena of phase change material" Digant S. Mehta, Sagar Chaudhari, Manish Rathod, 24th National and 2nd International ISHMT-ASTFE Heat and Mass Transfer Conference (IHMT-2017)
11	Dr. Jyotirmay Banerjee : "Mechanisms Leading to Asymmetric Distribution of Void Fraction in Liquid Slug" Sunny Saini, Rahul Vadrabade, Jignesh Thaker, Jyotirmay Banerjee, 44th National Conference on Fluid Mechanics and Fluid Power, At Amrita University, December 2017
12	Dr. Jyotirmay Banerjee : "Experimental and Numerical Investigations on Tapered Oscillating type wave Energy Converter" ; Suraj K. Garad, Parth Gandhi, Jyotirmay Banerjee, 44th National Conference on Fluid Mechanics and Fluid Power, At Amrita University, December 2017
13	Nitin S. Aher, A. V. Doshi; and M. H. Bade : 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
14	A. V. Doshi; M. H. Bade : 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
15	A. V. Doshi; M. H. Bade : 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
16	A. V. Doshi; Sahu Rohit and M. H. Bade : 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
17	Jyoti Menghani, K Baba Pai ,M.K Totlani Investigation on Corrosion Behaviour of Zn thin films in Industrial Environment ISECT 2017 Dubai 17-19 <sup>th</sup> Oct 2017 ISBN 978-93-86878-03-8
18	Beena Baloni & et al. Study and Numerical Analysis of Compressor Transition Duct FFHMT-2017, Toronto, Canada (International Conference); August 2017
19	Beena Baloni & et al. Numerical Analysis of Centrifugal Compressor Stage for APU FFHMT-2017, Toronto, Canada (International Conference); August 2017
20	Beena Baloni & et al. Computational Analysis of Bell Nozzles FFHMT-2017, Toronto, Canada (International Conference); August 2017
21	Beena Baloni & et al. Failure Analysis of Turbocharger 4ICMRP-2017; Ahemdabad; December 2017
22	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, Busan, South Korea.
23	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, IIT Madras, Chennai..
24	Dinesh Singh Parameter optimization of Ultrasonic machining process using Bio-geography based algorithm International Conference on Advanced Production and Industrial Engineering ICAPIE-2017, October 6-7, Delhi Technological University (DTU), Delhi, India.
25	Dinesh Singh Investigation of Performance Parameters on Electro Discharge Machining Using Cuckoo Search Algorithm International Conference on Industrial Engineering ICIE-2017, December 21-23, SVNIT, Surat.
26	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, IIT Madras, Chennai.
27	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, Delhi Technological University (DTU), Delhi.
28	Dinesh Singh Flexible bay dynamic facility layout problems using aisle structure." International Conference on Industrial Engineering (ICIE-2017), December 21-23 2017, SVNIT, Surat.
29	Dinesh Singh Facility layout problem using firefly and biogeography-based optimization algorithms International Conference on Industrial Engineering (ICIE-2017), December 21-23, 2017, SVNIT, Surat.
30	Bhosale, V. A. and Kant, Ravi Examining the Solutions to Overcome the SCKFBs Using Fuzzy AHP and Fuzzy TOPSIS Method 2017 IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)
31	Malviya, R. K., Kant, Ravi, Vimal Kumar Dixit Analyze the Enablers of Green Supply Chain Management Implementation: A Comprehensive Survey, pp. 78-183 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
32	Prajapati, Himanshu and Kant, Ravi Postponement: A Theoretical View, pp. 184-189 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
33	Ansari, Z. N. and Kant, Ravi Identifying the Success Factors of Remanufacturing Supply Chain and Prioritizing using AHP, pp. 190-194 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
34	Shah, S., Pujara, A. A. Kant, Ravi, Aditya Parida Ranking the Solutions of Information Sharing Adoption in Supply Chain to Overcome its Barriers, pp. 195-199 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
35	Pandey, Ajit Kumar Kant, Ravi, Md. Mamun Habib Modeling Carbon Footprint across Food Supply Chain, pp. 204-211 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
36	Dikshit, Shubham and Kant, Ravi Ranking the Barriers of Food Supply Chain for Better Control over Food Safety, pp. 224-233 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
37	Bhosale, V. A. and Kant, Ravi Examining Penetration of Knowledge Flow in SC for Indian Manufacturing Organizations, pp. 244-247 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
38	Pathak, Umangi D. and Kant, Ravi Remanufacturing Scheme Based on RUL Assessment, pp. 273-276 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
39	Gorane, S.J. S.P. Muley and Kant, Ravi Interpretive Structural Modeling for Analysis of GSCM Enablers, pp. 285-293 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
40	Dalvi, Manoj Kumar and Kant, Ravi Criteria for Supplier Selection and Supplier Evaluation: A Literature Review ... pp. 312-316 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
41	Agarwal, Sachin and Kant, Ravi Humanitarian Supply Chain Management: An Overview, pp. 317-320 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
42	Shrivastava Pankaj, Katarne, Rajnish and Kant, Ravi Improve Productivity by Implementation of Facility Planning by Using Industrial Engineering Tool, pp. 419-421 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
43	Raval, S.J. and Kant, Ravi Lean Six Sigma Implementation Barriers: An Integrated Approach of ISM and Fuzzy MICMAC, pp. 538-546 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
44	Kumar, P. and Kant, Ravi Abrasive Water Jet Machining of Composites: A Review, pp. 641-644 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
45	Shah Hitesh Kumar and Kant, Ravi A Fuzzy AHP Approach to Select and Prioritize Strategic Knowledge Management Enablers in Manufacturing Organization, pp. 1086-1090 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
46	Barua Ankit, Kant, Ravi, Md. Mamun Habib A Grey- Based DEMATEL Model for Evaluating Supplier Development Criteria, pp. 1106-1110 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
47	Lahane, Swapnil S. and Kant, Ravi Ranking the Enablers of Enterprise Resource Planning Implementation in Indian Industries Using Trapezoidal Fuzzy AHP Method, pp. 1121-1128 4 <sup>th</sup> International Conference on Industrial Engineering, SVNIT, Surat, ICIE 2017
48	Dr. H.K. Dave Tensile Properties of 3D Printed PLA under Unidirectional and Bidirectional Raster Angle: A Comparative Study World Academy of Science, Engineering and Technology International Journal of Materials and Metallurgical Engineering Vol:12, No:1, 2018
49	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
50	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
51	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
52	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
53	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
54	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
55	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
56	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
57	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
58	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
59	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
60	Shailesh N. Pandya, Jyoti Menghani A preliminary experiment on effect of filler powder addition in friction stir welding of dissimilar AA6082-O to pure Cu sheets 2nd International Conference on Mechanical, Aeronautical and Automotive Engineering(ICMAA 2018), Singapore, February 24-26, 2018

(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	Satyanshu Kumar, Raghuraj Singh, Azazahamad A. Kureshi, Premlata Kumari, Tushar Dhanani, Tabaruk Hussain, P.C. Baruah, Madhumita Talukdar, Amit BalwantMirgal, "A comparative study on content of seed of three Indian <i>Garcinia species</i> ", (Eds. P Ponmurugan, V Ramasubramanian, T Marimuthu), MacMillan Publishers, New Delhi, 584-586. (10 <sup>th</sup> NABS-National Conference on Life Science Research, Practices and Application for Sustainable Development, Bharathiar University, Coimbatore, on 7 <sup>th</sup> - 8 <sup>th</sup> Sep, 2017)

APPLIED CHEMISTRY DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos., Year*/</i>
02	Dhara H. Morawala, Ajay K. Dalai, Kalpana C. Maheria, "Synthesis and characterization of dual templatedmesoporous H-BEA and its application as a heterogeneous catalyst for the production of n-butyl levulinate" during 23 <sup>rd</sup> National Symposium of Catalysis (CATSYMP – 23), Bengaluru, Karnataka, INDIA, 17th - 19th January, 2018, p 180.
03	Dharmeshkumar R. Lathiya, Henilkumar M. Lankapati, Dhananjay V. Bhatt, Kalpana. C. Maheria, "Synthesis of carbon based heterogeneous catalyst from waste biomass and its application for biodiesel production", 23 <sup>rd</sup> National Symposium of Catalysis (CATSYMP – 23), Bengaluru, Karnataka, INDIA, 17th - 19th January, 2018, PP-103, pg. 180.
04	Jenifer J. Gabla, Akash A. Revawala, Dharmesh R. Lathiya, Kalpana C. Maheria, "One-pot synthesis of SBA-15-Pr-SO <sub>3</sub> H catalyst and their catalytic application in the green synthesis of imidazoles under solvent-free microwave irradiation condition", at 23 <sup>rd</sup> National Symposium of Catalysis (CATSYMP – 23), Bengaluru, Karnataka, INDIA, 17th - 19th January, 2018, Pg. 99.
05	Jenifer J. Gabla., Sunil R. Mistry., Kalpana C. Maheria, "Synthesis and characterization of dealuminated zeolite BEA and their catalytic application in green synthesis of multi-substituted imidazoles., at 7th All Gujarat Research Scholars' Meet AGRSM-VII, Indian Chemical Society Vadodara Chapter, 25th February 2018, at The M. S. University of Baroda, VADODARA, Gujarat, India.
06	P. M. Dankhara, D. R. Lathiya, H. M. Lankapati, B. Shah, Uma Chudasama, K. C. Maheria, "Application of Amphoteric Exchanger (ZrT) for the separation of selective trivalent metal ions: Lanthanum (III), Cerium (III) and Thorium (IV)." Emerging Trends in Separation Science & Technology, DAE-BRNS symposium (SESTEC-2018), BITSPilani, Goa, May 23-26, 2018, pg. 146.
07	Suabn K Sahoo, Potential applications of vitamin B6 cofactors conjugated nanomaterials in the field of sensing and biosensing, 32 <sup>nd</sup> Annual Conference of Orissa Chemical Society & National seminar on recent advances in functional nano materials, 23 <sup>rd</sup> -24 <sup>th</sup> Dec 2018.
08	Bharat Kanoje, Jigisha Parikh, Ketan Kuperkar, Presented a Poster entitled "Solubilization and stabilization study of poorly water soluble anti-inflammatory drug in aqueous GS solution: Physico-chemical, thermal and antimicrobial characterization with computational study". An Biomolecules on Fingertips, organized by (CHIASMA) Division of Biological and Life Science, on 20th January, 2018 in Ahmedabad University, Ahmedabad, India.
09	Anil kumar JANGIR, Bharatkumar KANOJE, Ketan KUPERKAR, Viscoelastic Micellar Solutions of Gemini surfactants in Organic Additives: NMR, Rheology, SANS and TEM characterization with DFT study. XXXII GUJARAT SCIENCE CONGRESS, 2018 February, 4-5 2018.
10	Anil kumar JANGIR, Bharatkumar KANOJE, Ketan KUPERKAR* Viscoelastic Micellar Solutions of Gemini surfactants in Organic Additives: NMR, Rheology, SANS and TEM characterization with DFT study, CHIASMA 18, 19 & 20 January 2018 joint organized by Division of Biological and Life Sciences School of Arts and Sciences Ahmedabad University, Ahmedabad, India.
11	Vinod Khatri, Bharatkumar Kanoje, Ketan KUPERKAR, Drug solubilization in gemini surfactant. XXXII GUJARAT SCIENCE CONGRESS, 2018 February, 4-5 2018.
12	Vinod Khatri, Bharatkumar Kanoje, Ketan KUPERKAR, Drug solubilization in gemini surfactant., CHIASMA 18, 19 & 20 January 2018 joint organized by Division of Biological and Life Sciences School of Arts and Sciences Ahmedabad University, Ahmedabad, India.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i>
01	Roshni Singh and Hemantkumar P. Bulsara (2017). Trump's TriUMph: An Attribution to Insurgent Political Marketing Maneuvers. <i>8th National level conference on: Re-imagining India: Game Changers for Business, Management and Society</i> , Vishwakarma Institute of Management, Pune during 17th – 18th February, 2017, pp 24-49
02	Hemantkumar P. Bulsara and Nidhi K. Yadav (2017). Switching Trends From Allopathic To Ayurvedic System Of Medicine: A Survey In Ayurvedic Hospital Of Valsad District (Gujarat). <i>8th National level conference on: Re-imagining India: Game Changers for Business, Management and Society</i> , Vishwakarma Institute of Management, Pune during 17th – 18th February, 2017, pp 40-44
03	Patel Yogeshwari, Jayesh M. Dhodiya, Analytical solution of compartment, based reaction and diffusion mechanism in cell with protein binding by Differential Trnsform Method, 22 <sup>nd</sup> Annual cum 6 <sup>th</sup> International conference of the Gwalior Academy of Mthematical Sciences on "Advanced in Pure and Applied Mathematics "and Symposium on "Mthematical Methods and Models in Bio Sciences" Ganpat University, Mehsana Urban Institute of Sciences, 23th to 25th January, pp-26 (2018).
04	Jaydeep Sosa, Jayesh M. Dhodiya, Genetic algorithm based solution of multi objective fuzzy transportation problem, International conference on applied Mathematical Models, ICAMM-2018, PSG College of Engineering, Coimbatore, India, 4-6, Jan, 2018.
05	Jaydeep Sosa, Jayesh M. Dhodiya, Genetic Algorithm based solution of Multi objective interval transportation problem, 22 <sup>nd</sup> Annual cum 6 <sup>th</sup> International conference of the Gwalior Academy of Mthematical Sciences on " Advanced in Pure and Applied Mathematics " and Symposium on " Mthematical Methods and Models in Bio Sciences" Ganpat University, Mehsana Urban Institute of Sciences, 23th to 25th January, pp-54 (2018).

<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>
06	Anita Ravi Tailor, Jayesh M. Dhodiya , Genetic algorithm based hybrid approach to solve uncertain multi objective COTS product selection problem for modular softwer system, International conference on applied Mathematical Models, ICAMM-2018, PSG College of Engineering, Coimbatore, India, 4-6, Jan, 2018.
07	Anita Ravi Tailor, Jayesh M. Dhodiya, Solution of Fuzzy Multi Objective Assignment problem Using exponential membership function, 22 <sup>nd</sup> Annual cum 6 <sup>th</sup> International conference of the Gwalior Academy of Mthematical Sciences on “ Advanced in Pure and Applied Mathematics “ and Symposium on “ Mthematical Methods and Models in Bio Sciences” Ganpat University, Mehsana Urban Institute of Sciences, 23th to 25th January,pp-55 (2018).
08	Dhiren Pndit, Jayesh M. Dhodiya, PCA and LD fusion based model with neural network for primary diagnosis of Parkinsons disease, 22 <sup>nd</sup> Annual cum 6 <sup>th</sup> International conference of the Gwalior Academy of Mthematical Sciences on “Advanced in Pure and Applied Mathematics “and Symposium on “ Mthematical Methods and Models in Bio Sciences” Ganpat University, Mehsana Urban Institute of Sciences, 23th to 25th January,pp-42 (2018).
09	Jignsha G. Patel, Jayesh M. Dhodiya, N-parties bargaining based fuzzy transportation problem and its solution, International Conference on Theory and Application of Statistics and Information Sciences, Department of Statistics, Bharathira University, Coimbatore, India, 5-7, Jan, 2018, Vol:1, pp:98
10	Jaydeep Sosa, Jayesh M. Dhodiya, Genetic algorithm based solution of multi objective multi choice demand fuzzy transportation problem, International Conference on Theory and Application of Statistics and Information Sciences, Department of Statistics, Bharathira University, Coimbatore, India, 5-7, Jan, 2018, Vol:1, pp:100
11	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
12	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

<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	Mr.A J Shah, “Composite structure- comparison with steel and RCC structures” ICCMS At Hyderabad
02	C H Solanki, “Experimental Investigation on Geotechnical Properties of Nano-Chemically Treated Soil” Indian Geotechnical Conference
03	C H Solanki, “Experimental Investigation and Micro-structural Analysis of Nano-Chemically Treated Clayey Soil” Indian Geotechnical Conference
04	G. R. Vesmawala, “Delamination Detection In Composite Beams Using Modal Curvature Based Methods” International conference on vibrational problems, ICOVP-2017 IIT Guwahati
05	G. R. Vesmawala, “Operational and Numerical Modal Analysis of Shilaj Bridge Under Traffic Induced Vibration” International conference on vibrational problems, ICOVP-2017 IIT Guwahati
06	Dr. C. D. Modhera, “Effect of Colloidal Nano Silica on Durability of High Strength Concrete subjected to Acid Attack” 6 <sup>th</sup> World Conference on Applied Science, Engineering And Technology, 02 <sup>nd</sup> & 3 <sup>rd</sup> Jan 2018, Goa.
07	Dr. C. D. Modhera, “Effect of Metakaolin on mechanical properties of different grades concretes inclusion of recycled aggregates from C & D waste and ceramic waste” 6 <sup>th</sup> World Conference on Applied Science, Engineering And Technology, 02 <sup>nd</sup> & 3 <sup>rd</sup> Jan 2018, Goa.
08	Dr. C. D. Modhera, “Effect of Load Balancing on Punching Shear Stress and Deflection of Post Tensioning Flat Slab with Different Grade of Concrete” 6 <sup>th</sup> World Conference on Applied Science, Engineering And Technology, 02 <sup>nd</sup> & 3 <sup>rd</sup> Jan 2018, Goa.
09	Dr. C. D. Modhera, “Parametric Experimental Studies on Suistainable Concrete Containing Waste Under different Curing conditions” Sathybhama University Chennai, January 23-25, 2018. Pp.25, ISBN 978-93-83409-41-
10	Dr. C. D. Modhera, “Waste Material Utilization As A Cementitious Material To Understand Tensile Behavior Of Concrete Under Alkaline And Acidic Exposure” ISBN 978-93-87471-69-6, pp 135-139
11	C. H. Solanki, Vasanwala, “Experimental Investigation and Microstructural Analysis of Nano-Chemically Treated Clayey Soil” Indian Geotechnical Conference
12	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
13	S. A. Vasanwala, “Piled raft design approach for a typical high rise building using non-uniform pile length under the raft” National conference on challenges in Geotechnical investigations, analysis, design & construction of foundations, IGS, Goa chapter



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No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i>
14	C. H. Solanki, Vasawala, "Experimental Investigation and Microstructural Analysis of Nano-Chemically Treated Clayey Soil" Indian Geotechnical Conference
15	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
16	Dr. Shruti J Shukla, "Improved expansive soil for pavement subgrades using industrial waste bagasse ash and ground granulated blast furnace slag" Indian Geotechnical Conference, IISC Bengaluru, 13-15 December 2018.
17	Dr. Shruti J Shukla, "Mechanical Behaviour of colloidal silica treated sand: a review" Indian Geotechnical Conference, IISC Bengaluru, 13-15 December 2018.
18	Dr. Shruti J Shukla, "Influence of randomly distributed waste tyre fibres on swelling behaviour of expansive soils in Surat" Indian Geotechnical Conference, IISC Bengaluru, 13-15 December 2018.
19	Dr. Yogesh D. Patil, Dr. H. S. Patil, "Finite element analysis of profiled deck composite slab using ansys", TRACE 2018, Amity, Noida
20	Dr. Yogesh D. Patil, "Enhancement of sustainable mortar by using fine waste glass powder", TRACE 2018, Amity, Noida
21	Dr. Y. D. Patil, "Performance of normal concrete at elevated temperatures after air cooling", SEC 2018, Calcutta

CIVIL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</i>
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
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", 4th 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	Smit Thakkar, Chintan Advani, Sachin Shah, Shriniwas Arkatkar, Ashish Bhaskar. Exploring Performance of Wi-Fi/Bluetooth based sensors On Intercity Expressway: A Case Study of Ahmedabad- Vadodara Expressway (NE-1). Accepted for presentation at "International Conference on Recent Advances in Transport Infrastructure" being organized at MANIT Bhopal during 13th to 14th February 2018.
16	Nishant Pawar, Ninad Gore and Shriniwas Arkatkar. Safety Evaluation of Unsignalized Intersection Using Empirical Observations- A Pilot Study under Mixed Traffic Condition. Accepted for presentation at "International Conference on Recent Advances in Transport Infrastructure" being organized at MANIT Bhopal during 13th to 14th February 2018.

<b>CIVIL ENGINEERING DEPARTMENT</b>	
<b>No.</b>	<b>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</b>
17	Manish Jain, Karan Patel, Shriniwas Arkatkar, Gaurang Joshi. Effect of gradient on speed characteristics of different types of vehicles on two lane rural road. Accepted for presentation at "International Conference on Recent Advances in Transport Infrastructure" being organized at MANIT Bhopal during 13th to 14th February, 2018.
18	Narayana Raju, Shriniwas Arkatkar, Gaurang Joshi "A Trajectory-Based Approach for Identifying Potential Rear-End Collisions Identification Under Heterogeneous Traffic Conditions" presented in Indian Road Congress Conference (IRC-Y), VNIT-Nagpur, October -2018.
19	Akhilesh chepuri, Shriniwas Arkatkar, Gaurang Joshi EXAMINING PERCEIVED QUALITY OF BUS SERVICE USING STRUCTURAL EQUATION MODELING TECHNIQUE presented in Indian Road Congress Conference (IRC-Y), VNIT-Nagpur, October -2018.
20	Ninad Gore, Shriniwas Arkatkar, Gaurang Joshi A NOVEL METHODOLOGY TO DERIVE VEHICLE OCCUPANCY USING WI-FI SENSORS UNDER HETEROGENOUS TRAFFIC CONDITIONS presented in Indian Road Congress Conference (IRC-Y), VNIT-Nagpur, October -2018.

<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	Shilpa Nandwani, <b>Smita Gupta and Mousumi Chakraborty</b> Presented paper on Application of ionic liquid based viscoelastic surfactant in Enhanced Oil Recovery process, at ICAEASM-2018, Osmania University, Hyderabad on 28 <sup>th</sup> Jan 2018.
02	Ashwin R. Kamble, <b>Chetan M. Patel and Z.V.P. Murthy</b> , Modification of PVDF membrane by two dimensional inorganic additive for improving gas permeation. Presented at the National Conference on "Recent Trends on Membranes & Separation Technology" (RTMST-17), Organized by CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, November 22-23, 2017.
03	Nikhil R. Mene, <b>Z.V.P. Murthy</b> , Recovery of pure water and crystalline products from concentrated brine by using membrane distillation crystallization. Presented at the National Conference on "Recent Trends on Membranes & Separation Technology" (RTMST-17), Organized by CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, November 22-23, 2017.
04	Siddhant B. Patel and <b>Jignasa V. Gohel</b> , "Effect of annealing atmosphere and temperature on the properties of the sol-gel spin coated $Cu_2ZnSnS_4$ (CZTS) thin films", Paper presented at the National conference on Recent Advanced and Future Trends in Chemical Technology, at Nirma University, Ahmedabad (India), 16 September 2017.
05	Nitu Kumari, <b>Sanjaykumar R. Patel, Jignasa V. Gohel</b> , Optimization of type and concentration of dopant (Sb and Al) for ZnO thin films prepared by spray pyrolysis technique and their applications in perovskite solar cells, Paper presented at the National conference on Recent Advanced and Future Trends in Chemical Technology, at Nirma University, Ahmedabad (India), 16 September 2017.

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

<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	Rasila R. Hirani, Shweta N. Shah, Surya K. Pathak, Dushyant K. Sharma, "Performance Analysis of Plasma Antenna Compared with Metal Antenna", proceedings of INDIAN ANTENNA WEEK 2017, 5 - 9 JUNE   PUNE   INDIA

<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	Rakesh Maurya, Praveen Patle, Quadratic SEPIC Derived Hybrid Output Converter For Photo-Voltaic Applications" International Conference On Computer Applications in Electrical Engineering- Recent Advances (CERA-2017), at I.I.T. Roorkee, India 5th -7th October, 2017
02	Ashok Parmar and P B Darji Comparative analysis of optimum capacity allocation and pricing in power market by different optimization algorithms 7th International Conference on Soft Computing for problem solving, IIT Bhubhaneswar Dec 23-27 2017

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/
01	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
02	Sunil Kumar Pathak, Vineet Sood, Yograj Singh, S. A. Channiwala : Real-Time Driving Cycle Measurements of Ultrasonic Particle Emissions from CNG, LPG, Gasoline and Diesel Passenger Cars 25th National Conference on I. C. Engines and Combustion [25th NCICEC-2017] organized by NITK, Surathkal, Mangalore during 15-17 December 2017
03	Sunil Kumar Pathak, Vineet Sood, Yograj Singh, S. A. Channiwala : Impact of Random Drive Cycle on Vehicular Fuel Economy and Emissions 25th National Conference on I. C. Engines and Combustion [25th NCICEC-2017] organized by NITK, Surathkal, Mangalore during 15-17 December 2017
04	Sunil Kumar Pathak, Vineet Sood, Yograj Singh, S. A. Channiwala Real World Driving Parameters and their correlation with NOx Emissions in Diesel Passenger Cars 25th National Conference on I. C. Engines and Combustion [25th NCICEC-2017] organized by NITK, Surathkal, Mangalore during 15-17 December 2017.
05	Shah B. R., Kulshreshtha Digvijay B., Chaudhary N. R., S. A. Channiwala Variable Cross section Swiss Roll Micro-Combustor, Experimental Investigations using Hydrogen as Fuel 25th National Conference on I. C. Engines and Combustion [25th NCICEC-2017] organized by NITK, Surathkal, Mangalore during 15-17 December 2017.
06	Parth D. Shah, Saurabh P. Doodhwala, Taha Poonawala, S. A. Channiwala Influence of Combustion Duration and Spark Advance on Performance and Emission on Characteristics of Producer Gas Fired S. I. Engine 25th National Conference on I. C. Engines and Combustion [25th NCICEC-2017] organized by NITK, Surathkal, Mangalore during 15-17 December 2017

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

APPLIED CHEMISTRY DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency/ Self Financed	Period
NIL				

Applied Mathematics And Humanities Department				
Sr. No.	Faculty	Name Of Programme	Sponsoring Agency/ Self Financed	Period
01	Dr. R. K. Jana	Scientific Committee Member of International Conference of Special Functions and Their Applications (ICSFA 2017)	Govt. College of Engineering, Bikaner	November 2-4, 2017
02	Dr. R. K. Jana	Reviewing Committee Member of IEEE International Conference ICSET 2018 (International Conference on Smart City and Emerging Technologies)	Universal College of Engineering, Mumbai	5th January, 2018
03	Dr. R. K. Jana	Local Advisory Committee Member of International Conference on Mathematical Modelling and Scientific Computing (ICMMSC-2018)	Indian Institute of Technology, Indore, India	July 18-20, 2018
04	Dr. R. K. Jana	Faculty Coordinator to organize Kathak Workshop under the banner of Society for the promotion of Indian Classical Music and Culture Amongst Youth (SPICMACAY).	SVNIT, Surat	29.01.2018-02.02.2018
05	Dr. R. K. Jana	Faculty Coordinator to organize Inquest 2.0 (a 10 – hour long Research Marathon) under the banner of Society for Cultivation of Sciences and Humanities (SCOSH), SVNIT.	SVNIT, Surat	11.11.2017
06	Dr. R. K. Jana	Faculty Coordinator to organize Homecoming 2k17: Reunion of pass out M.Sc. Students to commemorate the 10 year existence of M.Sc. integrated programme.	SVNIT, Surat	23.12.2017
07	Dr. R. K. Jana	Faculty Coordinator to organize Swar Tarang: A tryst with Classical Music under the banner of Society for the promotion of Indian Classical Music and Culture Amongst Youth (SPICMACAY).	SVNIT, Surat	31.01.2018
08	Dr. R. K. Jana	Faculty Coordinator of the weekly seminar IntERAct (Internship Experience and Research Activities), so far 12 seminar has been conducted.	SVNIT, Surat	Every Wednesday 4 to 5 p.m.

APPLIED PHYSICS DEPARTMENT				
Sr. No.	Faculty	Name Of Programme	Sponsoring Agency/ Self Financed	Period
NIL				

APPLIED MECHANICS DEPARTMENT				
Sr. No.	Faculty	Name Of Programme	Sponsoring Agency/ Self Financed	Period
01	Dr. B. Kondraivendhan	"Elementary course on Experiential Research (ECER-2017)",	Self Financed	13 <sup>th</sup> Oct'2015 to 17 <sup>th</sup> Nov2017
02	Dr. A. K. Desai,	"Workshop on tall structures with Dr. CVR Murthy Organized By Centre for Continuing Education Jointly Organized By Science Engineering & Technological Upliftment Foundation",	DST- NIMAT	
03	Dr. A. K. Desai,	"Workshop on Review of IS: 1893-2016, IS: 13920-2016 & IS: 16700-2017, A Structural Designer's Perspective. Jointly Organized by Centre for Continuing Education; SVNIT & VHPT System",	DST- NIMAT	
04	Dr. Shruti J Shukla,	"WORKSHOP on Elementary Course on Experiential Research (ECER-2017)",	Self financed	13/11/17 to 17/11/17
05	Dr. Shruti J Shukla	"One Day National Seminar On "Advances In Geotechnical Engineering (AGE 2017)",	Self financed	27-28 May-2017
06	Dr. Shruti J Shukla	"Two Days National Seminar On "Pile Foundations -Advances In Design And Construction Practices",	Self financed	4th NOVEMBER 2017
07	Dr. S. R. Suryawanshi,	"Practical Approach on Soft Computing",	Self financed	06/11/2017 to 10/11/2017
08	Dr. S. R. Suryawanshi,	"Elementary Course on Experimental Research",	Self financed	13/11/2017 to 17/11/2017
09	Dr. S. R. Suryawanshi,	"Modeling of Engineering Structures in FEA-Softwares",	Self financed	20/11/2017 to 24/11/2017
10	Dr. S. R. Suryawanshi,	"FEM Simulation of Prototype Testing",	Self financed	27/01/2018 to 31/01/2018

CIVIL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	J. N. Patel	Training Programme to Technical Personnel of SMC, Surat	Surat Municipal Corporation, Surat	February 2018 to May 2018
2	P L Patel	Morphological study of Tapi river using remote sensing technique		July 21, 2017
3	S M Yadav & Ravin Tailor	Primavera Software	Association with CADD center Surat	Oct 8-9, 2017
4	S M Yadav	MIKE Hydro Basin and MIKE Flood	DHI Delhi	March 24, 2018
5	S M Yadav	Application of Soft Computing Techniques in Civil Engineering	TEQIP-III	March 12-16, 2018
6	S M Yadav	River Basin Planning and Management	SVNIT	April 12-13, 2018
7	S M Yadav	Flood Modeling and Analysis	Self-financed	June 4-8, 2018
8	K A Chauhan	Curriculum Revision Workshop on Construction Technology & Management: Present and Future Academic Needs	CED, SVNIT, Surat	Feb 23-24, 2018
9	A K Khambete & R A Christian	A Training Programme on Environmental Auditing Made Easy: Basics and Analytical test procedure" from	GPCB & SVNIT	April 19-21, 2017
10	A K Khambete & R A Christian	A Training Programme on Environmental Auditing Made Easy: Basics and Analytical test procedure" from	GPCB & SVNIT	Jan 16-20, 2018
11	Ashish Dhamaniya	National Conference on Recent Advances in Traffic Engineering (RATE-2018)	Partially Funded by Department of Science & Technology (DST) New Delhi	Aug 11-12, 2018
12	D A Patel	Resilient Sustainable Infrastructure Systems	GIAN, MHRD New Delhi	Dec. 18-22, 2017
13	D A Patel	Surat Heritage Symposium and Photo Exhibition	ICHR New Delhi	Sept. 8-14, 2018
14	Anjali Khembete Namrata Jariwala	Environment Auditing Made Easy: Basics & Analytical Test Procedure	Self-financed STTP	Jan 16-21, 2018

CIVIL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
15	Ganesh D. Kale A. V. Doshi M. H. Bade	Tools for Life Long Research (TFLLR-I 2018)	Self Sponsored	Jan 27-31, 2018
16	S Arkatkar	Co-chair, 4th Conference of Transportation Research Group (TRG) of India held at IIT Bombay during	Transportation Research Group (TRG)	Dec 17-20, 2017.
17	S Arkatkar	Road Safety Engineering Measures	Asian Institute of Transport Development (AITD)	April 16-20, 2018

CHEMICAL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
NIL				

COMPUTER ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	Mukesh A. Zaveri	One Week Short Term Training Programme on Internet of Things and its Applications	organized by COED SVNIT, Surat under Research Project Sponsored by Ministry of Electronics and Inf.Tech. (MeitY) GOI, New Delhi	5 - 10 June 2017
2	Dr. R. G. Mehta	Web Programming Technologies (WPT-2018)	Self Sponsored at SVNIT, Surat	1st-5th January
3	Dr. D. P. Rana	Web Programming Technologies (WPT-2018)	Self Sponsored at SVNIT, Surat	1st-5th January
4	Dr. Krupa Jariwala	"Recent Trends in Networking and IOT (RTNIOT-2017)"	SVNIT, Surat	26th – 30th December 2017
5	Dr. Krupa Jariwala	"Web Programming Technologies (WPT-2018)"	SVNIT, Surat	1st – 5th January 2018
6	Dr. Krupa Jariwala	"Natural Language Processing and its Applications (NLPA-2018)"	SVNIT, Surat	24th – 28th January 2018
7	Dr. Krupa Jariwala	Advances in Computer Networks (ACN-2018)	SVNIT, Surat	11th – 15th June 2018
8	Dr S J Patel	Research Trends in Information Security & Privacy	ISEAP-II, at SVNIT, Surat	June 18 to 22, 2018
9	Dr S J Patel	Software Requirements Specifications	TEQIP, at SVNIT, Surat	09-13 May, 2018
10	R P Gohil	Electric Power System Remote Centre Coordinator IIT Kharagpur& Electrical Engg. Dept.(EED)	Online at SVNIT, Surat	10-15 July, 17

ELECTRICAL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	Dr. S. N. Sharma, Dr. H. R. Jariwala, Prof. M. N. Bhusawalwala	A two-day workshop organised on Value-based technical education in Indian perspectives	TEQIP-III	March 6-7, 2018.
2	Dr. Mahmasraf A. Mulla	One Week STTP on "Hardware Implementation of Power Electronics Converter"	Samrat Ashok Technological Institute, Vidisha (Under TEQIP III)	March 17-21, 2018
3	Dr. Mahmasraf A. Mulla	Two day's workshop on "Power Electronics and Electrical Drives"	SSBT's College of Engg. & Tech., Jalgaon.	Sept 8-9, 2017
4	Dr. Mahmasraf A. Mulla	Five days short term course on "Microcontroller Based Power Electronics System Implementation", Under the aegis of NaMPET Phase II National Mission on Power Electronics Technology towards Power Electronics Excellence.	CDAC, Trivandrum and SVNIT	Aug 14 – 18, 2017

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency / Self financed</b>	<b>Period</b>
5	Dr. Mahmadasraf A. Mulla	Five days short term training program on "Hands-on based learning of Power Electronics System Implementation" at Chartered Institute of Technology, Aburoad, Rajasthan.	Chartered Institute of Technology Abu.	May 29, 2017 to June 02, 2017
6	Dr.P B Darji	Electric Power System	TEQIP-III	June 12, 2017 to July 15, 2017
7	Dr.P B Darji	Computer Aided Techniques for Electric Machines and Power Systems	TEQIP-III	June 11-21, 2018.
8	Dr. Sabha Raj Arya	Power Quality and Distributed Power Generation	Self Sponsored	Dec 2017
9	Dr. Rakesh Maurya	Power Quality and Distributed Power Generation	Self Sponsored	Dec 2017
10	Dr.Hiren G. Patel	Finishing School on Recent Trends in industrial automation	TEQIP-III	Jan 26-28 and Feb3-4, 2018
11	Dr.Khayati D. Mistry	Power quality and Distributed Power generation	Self Sponsored	Dec20-24, 2017
12	Dr.V.A. Shah	Power quality and Distributed Power generation	Self Sponsored	Dec20-24, 2017

<b>ELECTRONICS ENGINEERING DEPARTMENT</b>				
<b>No.</b>	<b>Faculty</b>	<b>Name of Programme</b>	<b>Sponsoring Agency / Self financed</b>	<b>Period</b>
1	Dr. (Mrs.) S. Gupta Dr. K.P.Upla	self sponsored one week workshop on Advancements in Wireless and optical communication (AWOC 2017)	SVNIT	21-25 December, 2017
2	Dr.(Mrs.) R.N.Dhavse Dr. A.D.Darji Dr. Z.M.Patel Mr. P.J.Engineer	One Week Short Term Course on Advanced Analog and Digital VLSI Design	SVNIT	26th December 2017
3	Dr. K.P.Upla Dr. (Mrs.) S. Gupta	self sponsored STC course on paper and article writing with latex		10-14 December 2017
4	Dr.(Mrs.) S.N.Shah	Recent Advances in Communication networks and systems		2-6 February 2018
5	Dr. (Mrs.) U. D. Dalal Dr J.N.Sarvaiya Dr.(Mrs.) S.N.Shah	1 <sup>st</sup> EAI International Conference on Future Technologies and Trends, as coordinator, September	SVNIT	31 to 2 Sept 2017,
6	Dr. (Mrs.) U. D. Dalal Dr P.N.Patel	Internet of Things [ Preworkshop under "1 <sup>st</sup> EAI International Conference on Future Internet Technologies & Trends"]	SVNIT	31 <sup>st</sup> August 2017
7	Dr.(Mrs.) S.N.Shah	EDUSAT program programme organized by Indian Institute of Remote Sensing		From August 2017
8	Dr. Z.M.Patel	Self-sponsored on week STTP on "Advanced Analog and Digital VLSI Design"		26-30 <sup>th</sup> Dec. 2017
9	Dr. Z.M.Patel	Self-sponsored on week STTP on "Recent Advances in Communication Networks and Systems"		2-6 <sup>th</sup> Feb. 2018
10	Dr. K.P.Upla	self sponsored STC on latex training		19-23 <sup>rd</sup> January, 2018
11	Dr.(Mrs.) R. N.Dhavse, Dr. (Mrs.) S. Gupta	Sundeeep Memorial Project Competition:		3rd Feb 2018.
12	Dr.(Mrs.) R. N.Dhavse, Dr. (Mrs.) S. Gupta	Department Technical fest HERTZ 3.0:		24th March 2018

MECHANICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Name of Programme	Date of Programme
1	R. V. Rao	2-days Workshop on "Industrial Applications of Decision Making Methods and Optimization Techniques" at BITS Pilani Dubai Campus, UAE	17-18 November 2017
2	Dr. H. K. Raval	Finishing school/Workshop on Simulation in manufacturing using Hyperform	29/08/2017
3	Dr. Ravi Kant Dr. T. N. Desai	4 <sup>th</sup> International Conference on Industrial Engineering (ICIE 2017)	December 21-23, 2017
4	Dr. Tushar N. Desai Dr. Ravi Kant	TEQIP-II Sponsored STTP on "New Trends in Industrial Engineering" NTIE-2017	January 23-27, 2017
5	Dr. T. N. Desai	Organized "4th International Conference on Industrial Engineering on the theme "Digital India, Smart India, Make in India- Innovative role of Industrial Engineering" at SVNIT, Surat.	December 21-23, 2017
6	Dr. Bade Mukund, Mr. Patel Nikunj G.	One week STTP On "Fundamentals of Energy Management and Applications (FEMA 2016)" Under TEQIP-II-	OCT 10-14, 2016
7	Doshi Ashish V. Dr. Bade Mukund H.	One week STTP On "LIFE LONG RESEARCHER (LLR-III 2018)" Supported by TEQIP-III	March 5-9, 2018

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

APPLIED CHEMISTRY DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. Naved I Malek	Ionic Liquids: Applications Revisited	11th National Conference On Recent Trends in Chemical and Environmental Sciences -2019, Patiala, Punjab
2	Dr. Naved I Malek	An Effective cell-mimetic Ionogels for the Drug Encapsulation	FCS-2018, Jawaharlala Nehru University, New Delhi
3	Dr. Kalpana C. Maheria	Zeolites / zeolite based micro-meso composites catalyzed multicomponent reactions for the synthesis of biologically active molecules	CATSYMP-23, Bengluru, on 18/01/2018
4	Dr. Ketan C. Kuperkar	Presented poster	International workshop: Polyelectrolytes in Chemistry, Biology and Technology during 12-14 March 2018 at Nanyang Technological University, SINGAPORE.
5	Dr. Ketan C. Kuperkar	Invited talk	Nanostructured Materials in Polymers and Pharmaceutical Sciences (PolyTech-2017) during December 19-20, 2017 in Pune, INDIA.
6	Dr. Ketan C. Kuperkar	Invited talk	7 <sup>th</sup> Asian Conference on Colloids and Interface Science (ACCIS 2017) during August 8-11, 2017 in Kuala Lumpur, MALAYSIA.
7	Dr. Ketan C. Kuperkar	Invited talks	Mahidol University on 31 <sup>st</sup> July 2017 and 2 <sup>nd</sup> International Conference on Advanced Materials Research and Manufacturing Technologies (AMRMT 2017) during August 2-5, 2017 in Phuket, THAILAND.
8	Dr. Ketan C. Kuperkar	Invited talks	International Conference on Recent Trends in Nanomaterials for Clean Energy (ICRTNCE-2019), 16-17 Feb, 2019, SVNIT, Surat.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. Ramakanta Meher	Fluid flow through porous media and oil recovery process	International Conference on Mathematics, Statistics & Computer Science Dubai 2018 , 09/02/18-10/02/18

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
2	Dr. R. K. Jana	On generalized Pochhammer Symbol	Government College of Engineering, Bikaner, Rajasthan during November 2 - 4, 2017.
3	Dr. R. K. Jana	Extended Wright type Hypergeometric Functions: Some recent developments	Sai Venkateswara University, Tirupati during December 12-15, 2017.
4	Dr. R. K. Jana	Bessel Function Series in Connection with Ramanujan Mathematics	Mugberia Gangadhar Mahavidyalaya, West Bengal, 26.03.2018
5	Dr. R. K. Jana	Research Scope and Opportunities in Mathematics	Mugberia Gangadhar Mahavidyalaya, West Bengal, 26.03.2018
6	Dr. Neeru Adlakha	Thermal Modelling of SST Region of Woman's Breast	National workshop on Bioinformatics , June 26-30,2017, MANIT, Bhopal
7	Dr. Neeru Adlakha	Finite Element Modelling in Thermal Biology	National Seminar on Advanced Numerical Methods held at Pandit Deendayal Petroleum University, Gandhinagar, during Dec 1-3, 2017
8	Dr. Neeru Adlakha	Modelling in Agriculture	National Training programme on the art of Mathematical Modelling as Teaching Padagogy, St. Aloysius' College, Jabalpur, Feb 9-10,2018
9	Dr. Neeru Adlakha	Numerical Modelling in Agriculture	Short Term Training programme on Numerical Computations and Optimization Techniques Jabalpur Engineering college, Jabalpur Feb 6-10, 2018
10	Dr. Jayesh M. Dhodiya	Mathematical Modelling in Bio-Epidemic	Hemachandrachrya North Gujarat University, Patan, Gujarat, (24-25 February, 2018)
11	Dr. H. P. Bulsara	(1) Concept of Entrepreneurship, Opportunities and Creativity and (2) Management games for Goal seeking, risk & rewards, role clarity & managerial skills	C. K. Pithawala College of Engineering and Technology, Surat on 18th January, 2017 and 20th January, 2017 respectively in the three day Entrepreneurship Awareness Camp in collaboration with SVNIT, sponsored by DST – NIMAT Project during 18th to 20th January, 2017
12	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and Challenges	Uka Tarsadia University, Bardoli on 17th February, 2017
13	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	6th International Conference on Economics, Business, Human Resources and Management (EBHRM-2017) during May 10-11, 2017 at Dubai (UAE)
14	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	4th International Conference on Literature, History, Humanities and Social Sciences (LHSS-2017) during 8 – 9 September, 2017 at Singapore
15	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	7th International Conference on Business, Education, Law and Sustainable Development (BELSD-17) during 10 – 11 September, 2017 at Singapore
16	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	6th International Conference On Literature, Humanities, Education, Business, And Corporate Social Responsibilities (LHEBC-2017) during 12 – 14 September, 2017 at Batam, Indonesia
17	Dr. H. P. Bulsara	Commercialization of Technology Innovations - Issues and challenges	9th International Conference on Education, Business, Humanities and social Sciences Studies (EBHSSS – 17) during 27 – 28 November, 2017 at Parys, South Africa
18	Dr. H. P. Bulsara	Project Management and Evaluation in the training program for SMC Supervisors	Expert Session at MED, SVNIT, Surat on 23/02/2018
19	Dr. Urvashi Kaushal	Learning the Language of Research	"Life Long Researcher- III" organised under TEQIP –II from 5 <sup>th</sup> to 9 <sup>th</sup> March 2018.
20	Dr. Twinkle R Singh	Non-linear partial differential equations and its applications	ASH&D, GIDC Degree Engineering College, Navsari during 22 <sup>nd</sup> March, 2018
21	Dr. A. K. Shukla	Applicability of Laguerre Polynomials	20 <sup>th</sup> International Conference of International Academy of Physical Sciences (CONIAPS XX), organized by, Osmania University, Hyderabad, India during July 14-16, 2017.



APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
22	Dr. A. K. Shukla	Some generalizations of Mittag-Leffler function	International Conference on Special Functions and Their Applications (ICSFA-2017) organized by Department of Mathematics, Govt. College of Engineering & technology, Bikaner, Rajasthan, India during November 02-04, 2017.
23	Dr. A. K. Shukla	Laguerre polynomials and its Applications	One week Short Term Training Programme "Designing of Mathematical Models in Different Fields of Engineering(DMMDEF-2018)" organized by GIDC Degree Engineering College, Abrama, Dist: Navsari-396406 during March 19-23, 2018.
24	Dr. A. K. Shukla	Mittag-Leffler Functions	XXII International Conference of International Academy of Physical Sciences (CONIAPS XXII) , organized by , Dr. Ram Manohar Lohiya Avadh University, Faizabad,(U.P.)India during April 13-15,2018
25	Dr. D. Gopal	FPTDS-2017	IIT BHU
26	Dr. D. Gopal	ICRASAT-2017	Bhopal
27	Dr. D. Gopal	AFPTANPEA-2017	Bhopal
28	Dr. D. Gopal	MNAPAMFPT-2017	Bangkok
29	Dr. V. H. Pradhan	Meet the Finite Element Method	Ganpat University, Mehsana. 24 Dec.,2017
30	Dr. V. H. Pradhan	Advanced Analytical & Numerical Methods	SRM University, Kattankulathur, Tamil Nadu, 6 Jan.,2018

APPLIED PHYSICS DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. YogeshSonvane	Nanotechnology: From fundamentals to Nanophotonics	HRDC, Saurashtra University, Rajkot. 20 November, 2017
2	Dr. YogeshSonvane	Role of Computational Nano science for the advance Energy Materials	HRDC, Saurashtra University, Rajkot. 21 November, 2017
3	Dr. YogeshSonvane		International Symposium on Functional Materials (ISFM-2018): Energy and Biomedical Applications held at Chandigarh, India during 13-15 April 2018.
4	Dr. Debesh R Roy	Group charge and inter electron transfer as the potential toxicity predictors of some acat inhibitors: A DFT investigation	CMTPI-2017), October 27-30, 2017 Goa (Organized by GIPER, Kashipur, India)
5	Dr. Debesh R Roy	Developing Smart Materials from Atomic Clusters: A Unique Approach	ICN:3I-2017, December 6-8, 2017 at IIT Roorkee, Uttarakhand, India.

APPLIED MECHANICS DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Prof A J Shah	Decision of steel structures	Dr B.B.A Govt. Polytech
2	Dr.B.Kondraivendhan	Durability of concrete	SVNIT, 13 <sup>th</sup> Oct'2017
3	Dr.B.Kondraivendhan	A Microstructure study and its application	SVNIT, 14 <sup>th</sup> Oct'2017
4	Dr. C D Modhera	Experimental Investigation on Geopolymer Concrete and Recycled Aggregate Concrete.	Sanjivani College of Engineering, Kopargaon on 13.01.2018
5	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 08.02.2018
6	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 09.02.2018
7	Dr. C D Modhera	Recent Advances in Special Concrete	Parul University on 10.02.2018
8	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 14.02.2018
9	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 15.02.2018
10	Dr. C D Modhera	Testing of Building Material as IS Code	SVNIT, Surat on 21.02.2018
11	Dr. C D Modhera	Special Concrete: Practice and Research	G E C Dahod on 02.03.2018
12	Dr. C D Modhera	Morden Construction Materials and Testing	SVNIT, Surat on 08.03.2018
13	Dr. C D Modhera	Morden Construction Materials and Testing	SVNIT, Surat on 15.03.2018
14	Dr. C D Modhera	Practical Tesing, Mixing, Curing and Trasporting of RMC	SVNIT, Surat on 24.03.2018
15	Dr. C D Modhera	Practical Tesing, Mixing, Curing and Trasporting of RMC	SVNIT, Surat on 13.04.2018

APPLIED MECHANICS DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
16	Dr. Atul K Desai	Soil Structure Interaction and special Foundation	Reliance [19-20th may, 2017]
17	Dr. Atul K Desai	Recent advances in structural engineering and Geotechnical Engineering	BVM Engineering college [22/05/2017]
18	Dr. Shruti J Shukla	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.
19	Dr. Shruti J Shukla	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.
20	Dr. Satyajit Patel	Geotechnical Aspects of Pavement Design and Construction	Indus University, Ahmedabad, 12 <sup>th</sup> September 2018
21	Dr. Satyajit Patel	Stabilization of clayey subgrade with fly ash and lime	R K University, Rajkot, 04 <sup>th</sup> October 2018
22	Dr. S. R. Suryawanshi	Advanced Design and Analysis of Concrete Structures	Dr. B. B. A. Government Polytechnic, Karad (D.P.) 07/10/2017
23	Dr. S. R. Suryawanshi	Advanced Design and Analysis of Concrete Structures	D. N. Patel College of Engineering, Shahada 20/01/2018
24	Dr. S. R. Suryawanshi	Advanced Design and Analysis of Concrete Structures	R. C. Patel Institute of Technology, Shirpur 22/01/2018
25	Dr. S. R. Suryawanshi	Evaluation of Mechanical and Elastic Properties of Concrete	Sarvajaniik College of Engg. and Tech. Surat 14/02/2018
26	Dr. S. R. Suryawanshi	Importance of Material Deformation in Mechanical Engineering	Government Polytechnic, Nandurbar 17/02/2018

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	J. N. Patel	Software for Civil Engineering	at 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 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	Pattern of sediment yield and their linkages with land-use land-cover of upper Tapi basin	National Water Academy (NWA), Central Water Commission, Pune January 29, 2018
8	P L Patel	Morphological studies of Tapi River: Morphological issues and their studies using GIS & remote sensing	National Water Academy (NWA), Central Water Commission, Pune January 29, 2018
9	P L Patel	Description of Tapi basin including key morphological issues in Tapi river	CWC sponsored Workshop on "Morphological study of Tapi river using remote sensing technique" at SVNIT Surat July 21, 2017
10	P L Patel	Morphological study of Tapi river using remote sensing: Objectives and detailed scope of work	CWC sponsored Workshop on "Morphological study of Tapi river using remote sensing technique" at SVNIT Surat July 21, 2017
11	P L Patel	Trend of climate and land use-land cover parameters in the basin including pattern of runoff and sediment yield, and flood frequency analyses	CWC sponsored Workshop on "Morphological study of Tapi river using remote sensing technique" at SVNIT Surat July 21, 2017
12	S M Yadav	Flood forecasting for Banas basin	Expert Lecture at R K University, Rajkot, 19th January 2018

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
13	S M Yadav	Selection of water main using AHP	STTP organized by BVM Engineering college, Vallabh Vidhyanagar. - March 10, 2018.
14	S M Yadav	Flood Modelling	One day training programme during Technical festival 2018, GEC Valsad, - March 3, 2018
15	S M Yadav	Application of linear programming Problem (LPP)	STTP on Application of Soft Computing Techniques in Civil Engineering, SVNIT- March 12-16, 2018
16	S M Yadav	Hands on Practice (LPP)	STTP on Application of Soft Computing Techniques in Civil Engineering, SVNIT - March 12-16, 2018
17	S M Yadav	Hands on Practice (AHP)	STTP on Application of Soft Computing Techniques in Civil Engineering, SVNIT - March 12-16, 2018
18	S M Yadav	Application of Fuzzy logic in Civil Engineering	STTP on Application of Soft Computing Techniques in Civil Engineering, SVNIT - March 12-16, 2018
19	S M Yadav	Hands on Practise Fuzzy Logic MatLab	STTP on Application of Soft Computing Techniques in Civil Engineering, SVNIT - March 12-16, 2018
20	S M Yadav	Flood modelling and simulation	Expert Lecture at Asian Institute of Technology, Bangkok, Thailand - March 2018
21	S M Yadav	1-D modelling of River reach using HEC-RAS to assist the carrying capacity	Expert Lecture at Asian Institute of Technology, Bangkok, Thailand - March 2018
22	S M Yadav	2-D flood modelling of semi-arid River basin using HEC-RAS	Expert Lecture at Asian Institute of Technology, Bangkok, Thailand - March 2018
23	S M Yadav	Plan your carrier	North Gujarat Prajapati Samaj Educational Seminar April 2018.
24	S M Yadav	River basin planning and Management	Training program on River Basin Planning and Management, in Civil Engineering, SVNIT April 12-13, 2018.
25	S M Yadav	A study of recent flood in the Banas River Basin, North Gujarat, India	Workshop organized on Flooding Cities, Warning and Dissemination by DHI India at National Institute of Ocean Technology, Chennai May 30, 2018
26	S M Yadav	Integration of hydrologic and hydraulic modeling for the simulation of recent flood of semi-arid river basin	National Seminar on Climate Change Impact on Water Resources System, CED, Parul University, Vadodara, June 2018
27	S M Yadav	Integration of Hydrologic and hydraulic modeling for the simulation of recent flood of semi-arid River basin.	STTP on Flood Analysis and Modelling, Civil Engineering, SVNIT - June 4-8, 2018
28	S M Yadav	Hand on Practices HEC RAS 1D.	STTP on Flood Analysis and Modelling, Civil Engineering, SVNIT - June 4-8, 2018
29	S M Yadav	Rainfall-Runoff Modeling using Mike 11 NAM model.	STTP on Flood Analysis and Modelling, Civil Engineering, SVNIT - June 4-8, 2018
30	S M Yadav	Modeling scour during river floods for two parallel bridges.	STTP on Flood Analysis and Modelling, Civil Engineering, SVNIT - June 4-8, 2018
31	S M Yadav	Hand on Practices HEC RAS 1D-2D.	STTP on Flood Analysis and Modelling, Civil Engineering, SVNIT 4th June 2018 to 8th June 2018
32	S M Yadav	A study of recent flood in the Banas River basin, north Gujarat, India.	STTP on Flood Analysis and Modelling, Civil Engineering, SVNIT - June 4-8, 2018
33	S M Yadav	Integration of hydrologic and hydraulic modeling for the simulation of recent flood of semi-arid river basin	STTP on Application of Modelling Tools and Techniques in Civil Engineering- AMTCE 2018 at Civil Engineering Department, GEC Surat, July 17 2018
34	V L Manekar	"Fundamentals of Fluid Mechanics", Two Days Workshop on Fluid Mechanics and Irrigation Engineering,	Sandip Institute of Technology and Research Center, Nashik - Apr. 09-11, 2018
35	V L Manekar	Construction of Storm Water and Drainage Lines	SVNIT, Surat - Feb 23-24, 2018
36	K.A. Chauhan	Efforts towards Sustainable Transport in Surat	Performing Art Centre, Adajan, Surat, Sep 23, 2017
37	K.A. Chauhan	Fundamentals of Building Planning with Special Reference to "Housing for All"	BBA Govt. Polytechnic, Karad, Silvasa 10-04-17
38	A. K. Khambete	Advance technology to treat river water Tapi. Technical presentation.	SMC, Hydraulic section; Science center, Surat, March 22, 2018
39	A. K. Khambete	Remedial measures for addressing Air-Pollution.	V.V.P. Engg. Collage, Rajkot; June 14, 2018.
40	A. K. Khambete	Handling hazardous waste	GPCB & SVNIT,
41	A. K. Khambete	Handling hazardous waste	GPCB & SVNIT,
42	Rakesh Kumar	Two-day "software training program,"	NIT Srinagar, - July 8-10, 2017
43	D A Patel	Sustainable Resilience Civil Infrastructure	PDPU Gandhinagar - Jan 19, 2018

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
44	N. D. Jariwala	Synthesis Characterization And Application of Fe <sub>3</sub> O <sub>4</sub> And ZnO Photocatalysts On Dyeing waste water	ITM Universe Vadodara Jan 24-25, 2018
45	N. D. Jariwala	Reed Bed System: Sustainable Water Solutions for a Better Tomorrow	One day Programme on celebration of world water day organized by Hydraulic department, Surat Municipal corporation Surat.
46	N. D. Jariwala	Air quality modeling using AEROMOD software	AICTE/ISTE Induction /Refresher programme on "Air Pollution Measurement & its control Strategies" June 11-16, 2018.
47	B. N. Tandel	How to Write Minor/major research project Report	Naran Lala School of Industrial Management & Computer Science and GIDC Degree Engineering College, Navsari : July 13, 2017
48	B. N. Tandel	Introduction of Soft Computing Techniques for Data Analysis	Naran Lala School of Industrial Management & Computer Science and GIDC Degree Engineering College, Navsari. : July 14, 2017
49	Chetan Patel	Role of Big Data and IOT in Urban Planning	Truba Institute, Bhopal
50	Chetan Patel	Active Relation on Physical Planning and Climate Change	Charuset, Changa, Gujarat
51	Chetan Patel	PBS as Sustainable mode of Transportation	MANIT, Bhopal
52	Ganesh D. Kale	MATLAB	Civil Engineering Department, Sardar Vallabhbhai National Institute of Technology, Surat during STTP TFLLR-I 2018 : Eight Session: Jan 27-28, 2018
53	S Arkatkar	Study of Vehicle Following Behavior Under Heterogeneous Traffic Conditions,	Department of Civil and Environmental Engineering, University of Missouri, USA on July 18, 2017.
54	S Arkatkar	Road Safety Audit: Few Case Studies	R & B PWD Engineers on July 27, 2017.

CHEMICAL ENGINEERING DEPARTMENT	
1	<b>Dr. Z.V.P. Murthy</b> , delivered lecture on <b>Importance of Membrane Processes in Wastewaters Treatment</b> , at the National Symposium on Emerging Environmental Challenges: An Engineering Approach (EEC 2018), Organized by CSIR-National Environmental Engineering Research Institute (CSIR-NEERI), Hyderabad Zonal Centre and Chemical Engineering Department, BITS Pilani, Hyderabad Campus, on February 16, 2018.
2	<b>Dr. A. K. Mungray</b> , delivered lecture on <b>Source separation: A sustainable for effective wastewater treatment</b> , at the TEQIP sponsored STTP on Advances in Separation Technology from 8 <sup>th</sup> – 13 <sup>th</sup> January, 2018 at Shri Guru Govind Singhji. Institute of Engineering & Technology, Nanded, MP on 10/01/2018.
3	<b>Dr. Meghal A. Desai</b> delivered lecture on Outcome based Education at MMMUT, Gorakhpur on 24/03/2018 and 25/03/2018.
4	<b>Dr. Alka A. Mungray</b> , delivered lecture on <b>Advances in Separation Technology</b> conducted by Department of Chemical Engineering, Shri Guru Govind Singhji Institute Of Engineering and Technology, Nanded, MP during 8 <sup>th</sup> -13 <sup>th</sup> January, 2018 on 10/01/2018.
5	<b>Dr. S.R. Patel</b> delivered Case study on multi-response analysis in STTP at Dr.Babassaheb Ambedkar College of Engineering and Research, Nagpur on 11/04/2017.
6	<b>Dr. S.R. Patel</b> delivered lecture on Taguchi Method and Analysis of Variance-Basic Procedure and case study in STTP at Dr. Babassaheb Ambedkar College of Engineering and Research, Nagpur on 12/04/2017.
7	<b>Dr. Z.V.P. Murthy</b> , delivered lecture on 23 <sup>th</sup> November, 2017 on <b>Membrane Separation Processes: Remediation of Metals Containing Wastewaters</b> , at the National Conference on Recent Trends on Membranes & Separation Technology (RTMST-17), organized by CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, November 22-23, 2017.
8	<b>Dr. Meghal A. Desai</b> delivered lecture on <b>Introduction and Procedure for Multi-response Optimization using Taguchi and Grey Relational Analysis</b> at STTP on Innovations and Research in Mechanical Engineering, Dr. Babassaheb Ambedkar College of Engineering and Research, Nagpur on 12/04/2017.
9	<b>Dr. Meghal A. Desai</b> delivered lecture on <b>Introduction to Quality by Design and Design of Experiment</b> at STTP on Innovations and Research in Mechanical Engineering, Dr. Babassaheb Ambedkar College of Engineering and Research, Nagpur on 11/04/2017.

COMPUTER ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Mukesh A. Zaveri	"Internet of Things: Introduction"	(5 - 10 June, 2017) on 5 June 2017
2	Mukesh A. Zaveri	"IoT Application in Disaster Management and Surveillance"	(5 - 10 June, 2017) on 5 June 2017
3	Mukesh A. Zaveri	"Ad-hoc Network: Challenges and Issues"	(5 - 10 June, 2017) on

COMPUTER ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
			5 June 2017
4	Mukesh A. Zaveri	"Multiple Input and Multiple Output (MIMO)"	(5 - 10 June, 2017) on 10 June 2017
5	Mukesh A. Zaveri	"Research Methodology"	(5 - 10 June, 2017) on 10 June 2017
6	Mukesh A. Zaveri	"Sports Video Summarization"	(8-9 September 2017) on 9 September 2017
7	Mukesh A. Zaveri	"Introduction to Machine Learning"	(18-23 December 2017) on 18 December 2017
8	Mukesh A. Zaveri	"Parameter Estimation"	(18-23 December 2017) on 18 December 2017
9	Mukesh A. Zaveri	"Hypotheses Testing"	(18-23 December 2017) on 18 December 2017
10	Mukesh A. Zaveri	"Bayesian Network and its Application in Video Summarization"	(18-23 December 2017) on 18 December 2017
11	Mukesh A. Zaveri	"Machine Learning and EM Algorithm"	(18-23 December 2017) on 18 December 2017
12	Dr. R. G. Mehta	Expert Talk "Data science & Big data Mining with future business needs"	15th Nov. 2017
13	Dr. R. G. Mehta	Expert Talk "Incremental Approaches in Bigdata mining"	22nd Feb, 2018
14	Dr. R. G. Mehta	Expert Talk on 'Features of Advanced 'C' Programming'In STTP Advanced 'C' Programming for Engineers	12/11/2017
15	Dr. R. G. Mehta	Expert Talk on 'Web Programming'In STTP Web Programming Technologies	1/1/2018
16	Dr. D. P. Rana	Expert talk on 'Implementation of Low Level Language Features using 'C'In STTP Advanced 'C' Programming for Engineers	12/15/2017
17	Dr. D. P. Rana	Expert talk on 'Memory Management for 'C' In STTP Advanced 'C' Programming for Engineers	12/14/2017
18	Dr. D. P. Rana	In STTP Web Programming Technologies Expert talk on 'Exploring Client Side Scripting'	1/1/2018
19	Dr. D. P. Rana	In STTP Web Programming Technologies Expert talk on 'Unexplored Aspects of Client Side Scripting'	1/1/2018
20	Dr. Krupa Jariwala	"Computer Literacy" 1- day Training Programme	29th October 2017
21	Dr. Krupa Jariwala	" Safe Browsing on Computers"	23rd December 2017
22	Dr. Krupa Jariwala	"Computer Essentials for Online Banking Transactions"	4th January 2018
23	Dr. Krupa Jariwala	"Wifi Technology"	7th January 2018
24	Dr. Krupa Jariwala	"Legacy Network and Internet"	26th – 30th December 2017.
25	Dr. Krupa Jariwala	"Wireless LANs"	26th – 30th December 2017.
26	Dr. Krupa Jariwala	"Internetworks and Network Layer"	26th – 30th December 2017.
27	Dr. Krupa Jariwala	"Case Study – Applications of NLP"	24th – 28th January 2018.
28	Dr. Krupa Jariwala	Mobile Adhoc Network(MANET)	11-15th June 2018.
29	Dr. Krupa Jariwala	Vehicular Adhoc Network(VANET)	11-15th June 2018.
30	Dr Uday Pratap Rao	Privacy Risks and Countermeasures in Data Publishing	05th May 2017
31	Dr Uday Pratap Rao	Data Mining	31st July 2017
32	Dr Uday Pratap Rao	Big Data Computation	11th November 2017.
33	Dr S J Patel	Privacy Preserving Data Publishing	June 18-22 2018
34	Dr S J Patel	Research Scopes on Information Security	7th May 2018
35	Dr S J Patel	Security and Privacy Issues in Internet of Things(IoT)	December 2017
36	Dr S J Patel	Digital Signatures	September 2017
37	Dr S J Patel	Security Issues in Challenges in Social Networking	July 2017
38	Dr S J Patel	Research Trends in Privacy Preserving Data Mining	March 2017
39	Dr S J Patel	Multiparty Computation and Privacy Preserving Data Mining	February2017
40	Dr S J Patel	MATHEMATICAL BACKGROUND OF CRYPTOGRAPHY"	October 2016
41	Dr S J Patel	Privacy Preserving Techniques in Big Data Analytics	June 2016
42	Dr S J Patel	Preserving Techniques in Mobile Computing	May 2016
43	Dr S J Patel	Structured System Analysis and Design	May 2016
44	Dr S J Patel	Logic and Algebraic Specification-I & II	May 2016

ELECTRICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. H. R. Jariwala	FACTS and its Applications	C K Pithawala College of Engineering and Technology Surat March-2018
2	Dr. H. R. Jariwala	FACTS Devices	STTP on "Recent Trends on Power Systems" at C. G. Patel Institute of Technology, Bardoli during 12-16 February 2018
3	Dr. Mahmadasraf A. Mulla	Boost Converter Experiments for Maximum Power Point Tracking (MPPT) of Solar PV	Electrical Department, Government Engineering College, Valsad on 31-03-2018.
4	Dr. Mahmadasraf A. Mulla	Integration of Solar Photovoltaic with Electrical Drive	Electrical Department, Government Engineering College, Valsad on 31-03-2018
5	Dr. Mahmadasraf A. Mulla	ARM Cortex M4 32-bit Microcontroller for Power Electronics	Electrical Engineering, M.B.M. Engineering College, J. N. V. University, Jodhpur, March 22-26, 2018.
6	Dr. Mahmadasraf A. Mulla	Inverter Circuit Implementation	Electrical Engineering, M.B.M. Engineering College, J. N. V. University, Jodhpur, March 22-26, 2018
7	Dr. Mahmadasraf A. Mulla	Challenges in Integration of Solar Photovoltaic fed Electrical Drive	Parul University International Conference on Engineering and Technology, Vadodara, India, on 17-02-2018
8	Dr. Mahmadasraf A. Mulla	Mitigation of Power Quality Problems using Active Power Filters	Vadodara Institute of Engineering, Kotambi, Vadodara – 391510 on 15 <sup>th</sup> July, 2017.
9	Dr. Mahmadasraf A. Mulla	ARM Cortex M4 32-bit Microcontroller for Power Electronics	Department of Electrical Engineering, Malaviya National Institute of Technology (MNIT) Jaipur on 21-June-2017.
10	Dr. R. Chudamani	Solar Power integration with grid	EED, SVNIT, SURAT 24-12-2017
11	Dr. Pranav Darji	VSC based HVDC	Chhotubhai Gopalbhai Patel Institute of Technology on 12/02/2018
12	Dr. P. Kundu	Issues and Challenges in HVDC Transmission	Vadodara Institute of Engineering, Vadodara on 15/07/2017.
13	Dr. Hireen G. Patel	Recent Trends in industrial automation during 26-28 January and 03-4 February 2018.	SVNIT, Surat 03-04 February 2018
14	Dr. Hireen G. Patel	PLC Programming,	C G Patel Institute of technology's Maliba campus, 5/08/2017
15	Dr. Khayati D. Mistry	Placement of DG in Power System	SVNIT Surat, Dec 20-24, 2017
16	Dr. Khayati D. Mistry	Optimal Placement of Distributed Generation in Distribution System	SVNIT, Surat, Dec 20-24, 2017
17	Dr. Vasundhara Mahajan	Fuzzy logic and neural network modeling in MATLAB	At FDP on "Power system stability & control in smart grid architecture", at IIT BHU, Banaras., 3 – 8 July 2017
18	Dr. V. A. Shah	Electrical Vehicle charging and power quality issues	Power quality and Distributed Power generation, Dec 20-24, 2017

ELECTRONICS CHEMISTRY DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Place & Date of Programme
1	Dr. (Mrs.) U. D. Dalal	Wireless Technologies for IoT with MAC and Network Layer Constraints	BVM Engineering college Vallabhvidyanagar 18-23 December 2017
2	Dr. (Mrs.) S. N. Shah	Introduction to Satellite and small Satellite Mission	Organized at Seminar Hall, VNSGU, Surat, 27 Dec 2017
3	Dr.(Mrs.) S. N. Shah	Implementation of Internet of Things (IoT) Technology with Python Programming. Three session 1. introduction to IoT 2. Challenges and issues in IoT 3. MAC layer Protocol and challenges in IoT	BhagwanMahavir College of Engineering and Technology, Surat 9-13 January 2018 The session was on 9 <sup>th</sup> Jan 2018
4	Dr.(Mrs.) S. N. Shah	IoT- Internet of Things	Govt. Polytechnique 23 March 2018
5	Dr. (Mrs.) U. D. Dalal	5G Cellular planning and optimization techniques	UBO Brest-France 2nd March 2018

ELECTRONICS CHEMISTRY DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Place & Date of Programme
6	Dr. (Mrs.) U. D. Dalal	5G technologies	G H Raisoni college jalgaon 17 March 2018
7	Dr. Z. M. Patel	(i) Analog VLSI Design (ii) MOS opamp circuits	SVNIT - 28 <sup>th</sup> Mar. 2018
8	Dr. Z. M. Patel	(i) VLSI Design of Multipliers (ii) Logic Architectures for Dividers	SVNIT - 27 <sup>th</sup> Mar. 2018
9	Dr. Z. M. Patel	(i) Queuing and Packet Scheduling-I (ii) Queuing and Packet Scheduling-II	SVNIT - 3 <sup>rd</sup> and 4 <sup>th</sup> Feb. 2018
10	Dr (Mrs.) Shilpi Gupta	MIMO Technology	Electronics engineering Department, SVNIT, 23 December 2017
11	Dr.(Mrs.) R. N. Dhavse	Fundamentals of Data Converters	29/12/2017, ECED, SVNIT, Surat
12	Dr.(Mrs.) R. N Dhavse	Data Converter Architectures	29/12/2017, ECED, SVNIT, Surat
13	Dr.(Mrs.) R. N. Dhavse	Energy Band Diagrams	05/04/2018 ECED, MNIT, Jaipur
14	Dr.(Mrs.) R. N. Dhavse	Self Assembly Processes for Nanoelectronic Devices	05/04/2018 ECED, MNIT, Jaipur
15	Dr.(Mrs.) R. N. Dhavse	Nanocrystal based Flash Memory Device	06/04/2018 ECED, MNIT, Jaipur
16	Dr.(Mrs.) R. N. Dhavse	Fundamentals of Data Converters	29/12/2017, ECED, SVNIT, Surat
17	Mr. P. J. Engineer	Introduction to Robotics	Essar Technology Day, Essar Ltd, Hazira, September 13, 2017

MECHANICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. S. A .Channiwala	Small & Micro Scale Low NOx Combustors	16/12/2017
2	Dr. S. A .Channiwala	Uncertainty Analysis – A Practical Approach	13/11/2017
3	Dr. S. A .Channiwala	Research Methodology – A Real Life Approach	13/11/2017
4	Dr. S. A .Channiwala	A new Era of Thermal Power Plants	06/11/2017
5	Dr. S. A .Channiwala	Small and Microscale Combustors	15/10/2017
6	Dr. S. A .Channiwala	Small Scale Combustors	29/09/2017
7	Dr. S. A .Channiwala	Advances in Thermal Power Plant Technologies	13/09/2017
8	Dr. S. A .Channiwala	Our Experience on Design, Development and Performance Evaluation of Small Scale Combustors	11/04/2017
9	R. V. Rao	Delivered 10 lectures on “Advanced Engineering Optimization Techniques” during an FDP conducted by E&ICT Academy of NIT Warangal during 27-28 May 2017.	27-28 May 2017
10	R. V. Rao	Delivered a 3-hours lecture to the faculty members of BITS Pilani dubai Campus, UAE on “Research Methodology and Research Papers Publication”	September 7, 2017
11	R. V. Rao	Delivered a 3-hours lecture to the research scholars of Asian Institute of Technology (AIT) Bangkok, Thailand on “Research Methodology and Research Papers Publication”	February 22, 2018
12	R. V. Rao	Delivered a 2-hours lecture to the PG and PhD students of Asian Institute of Technology (AIT) Bangkok, Thailand on “Jaya: An Advanced Optimization Algorithm And Its Engineering Applications”	March 4, 2018
13	R. V. Rao	Delivered 12 lectures on “Industrial Applications of Decision Making Methods and Optimization Techniques” to the participants of the 2-days Workshop conducted at BITS Pilani Dubai Campus, UAE	17-18 November 2017
14	Dr. K. P. Desai	Advance sin EDM Process	27/06/2017 to 07/07/2017
15	Dr. T. N. Desai	“Entrepreneurship Development” at College of Engineering Munnar, Kerala (Honorary Service)	13/11/2017
16	Dr. T. N. Desai	“Total Quality Management” at College of Engineering Munnar, Kerala (Honorary Service)	14/11/2017
17	Dr. T. N. Desai	“Six Sigma Quality Management and Industrial Engineering” at College of Engineering Munnar, Kerala (Honorary Service)	15/11/2017
18	Dr. T. N. Desai	“Industrial Engineering” at C. K. Pithawala College of Engineering & Technology, Surat (Honorary Service)	01/02/2018
19	Bade Mukund Haribhau	“Analysis of Centrifugal Pump and CFD Applications” One Day workshop on Fundamental and Numerical Aspects of Centrifugal Pumps	September 15, 2017
20	Bade Mukund Haribhau	“Invited Talk on Heat Exchangers”	September 22, 2017

MECHANICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
21	Bade Mukund Haribhau	STTP on "Recent Trends in Refrigeration and Air Conditioning" in collaboration with ISTE on January 8-12, 2018.	January 10th, 2018
22	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
23	Dinesh Singh	Delivered the Expert Lectures on "multiple attribute decision making (MADM) methods, like, AHP, VIKOR, TOPSIS, OWA, UTA, GRA, CMBA, WEDBA, 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
24	Ravi Kant	Sustainable Manufacturing : Rajarambapu Institute of Technology, Rajaramnagar during Two Week AICTE Sponsored Faculty Development Program on Recent Trends and Challenges in Material and Manufacturing Processes,	September 14-16, 2017
25	Dr Purnanand V Bhale	General Aspects of R & D Project Execution at the STTP on Life Long Researchers Shegaon (s p trikal)	07 March 2018
26	Dr Purnanand V Bhale	Solar Thermal Systems : Prospects and Challenges at Govt. Engineering College Awasari (M S)	04 Feb 2018
27	Dr. H.K. Dave	Delivered a lecture at Essar Steel, Hazira, Surat	13/09/2017

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

APPLIED CHEMISTRY DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
NIL				

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. R. K. Jana	Prof. Michel Waldschmidt, Emeritus Professor, Université Pierre et Marie Curie (Paris 6), France.	"Euler Constant"	01.12.2017
2	Dr. R. K. Jana	Prof. S. Ponnusamy, Professor, Department of Mathematics, IIT Madras, Chennai.	"Power Series"	02.02.2018
3	Dr. R. K. Jana	Prof. S. K. Upadhyay, Professor, Department of Mathematical Sciences, IIT BHU, Varanasi.	"Bessel Wavelet Transform"	22.02.2018
4	Dr. R. K. Jana	Prof. Inder K. Rana, Emeritus Professor, IIT Bombay, Mumbai	" Measure Theory"	18.03.2018
5	Dr. Twinkle R Singh	Prof. L. P. Singh, IIT BHU	"Progressive Wave Solution"	27/10/2017

APPLIED PHYSICS DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
NIL				

APPLIED MECHANICAL DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
NIL				



<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	SM Yadav	P. P. Mujumdar, Prof., IISc Bangalore	Impact of climate change on urban flooding	July 19, 2017
2	S M Yadav	P. J. Gondaliya, LDCE, Ahmedabad	Application of cellular Automata in Civil Engineering	March 12, 2018
3	S M Yadav	D G Regulwar, Professor, GEC Aurangabad	Introduction to Genetic Algorithm and its application	March 13, 2018
4	S M Yadav	D G Regulwar, Professor, GEC Aurangabad	Genetic Algorithm application on Reservoir Operation under fuzzy environment" and Hands on Practice	March 13, 2018
5	S M Yadav	D. K. Pandit, Professor, CEPT, Ahmedabad	Application of AHP in project management	March 14, 2018
6	S M Yadav	Purnima Pandit, Assistant Professor, MSU Baroda	Application of Artificial Neural Networks and Genetic Algorithm in Civil Engineering	March 15, 2018
7	S M Yadav	Purnima Pandit, Assistant Professor, MSU Baroda	Hands on Practice ANN and GA (MatLab)	March 15, 2018
8	S M Yadav	M. Selva Balan, Scientist, CWPRS,PUNE	Application of SCADA tools in Civil Engineering	March 15, 2018
9	S M Yadav	H.J. Parekh, Consulting Facile Maven Pvt. Ltd	Application of Analytical Hierarchy Process in Solid Waste Management	March 16, 2018
10	S M Yadav	TMV Suryanarayana, Associate Professor, MSU Baroda	Application of Soft Computing models in Civil Engineering-I	March 16, 2018
11	S M Yadav	TMV Suryanarayana, Associate Professor, MSU Baroda	Application of Soft Computing models in Civil Engineering-II	March 16, 2018
12	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	River Basin Simulation.	April 12, 2018
13	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	Basin Simulation through Ribasim Hands-on.	April 13, 2018
14	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	Practical Water Resources Management	April 13, 2018
15	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	Rule curve derivation and reservoir optimization	April 13, 2018
16	S M Yadav	AV Gajjar, EE1, SSNL	Hydrology and flood forecasting of Narmada at Sardar Sarovar	June 04, 2018
17	S M Yadav	Suvarana Shah, Associate Professor, MSU, Vadodara	Development of an integrated model for flood management at Vadodara city	June 05, 2018
18	S M Yadav	Mehul Patel, Director, SCCT, Surat	End to end early warning flood management system: A case of Surat city	June 05, 2018
19	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	1D-2D flood modelling	June 06, 2018
20	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	Hydrodynamic modelling	June 06, 2018
21	S M Yadav	R N Sankhua, Director, Basin Planning, CWC	Hand on Practices "2D unsteady flow"	June 06, 2018
22	S M Yadav	M. Selva Balan, Scientist, CWPRS,PUNE	Measurement techniques for flood forecast	June 07, 2018
23	S M Yadav	M. Selva Balan, Scientist, CWPRS,PUNE	Implementing flood warning system- A Case Study	June 07, 2018
24	S M Yadav	Vikas Barble, E. Asst. Director, CWC	Importance of flood models and flood forecasting	June 07, 2018
25	S M Yadav	Pranav Dhawan, DHI Delhi	Hands on session "Mike Flood"	June 08, 2018
26	K A Chauhan	Upendra M.Raval	Rural Planning and Development	Nov 09, 2017
27	Rakesh Kumar	Entrepreneurship Awareness Programme	Innovation and Engineering	April 07, 2018

<b>CHEMICAL 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	Dr. A. K. Jana	Prof. K. Mohanty, IIT Guwahati	Microalgae based bio-refinery	Feb 18, 2018
2	Dr. Meghal A. Desai	Mr. Bimal Kesh, Sr. Statistician and Training	Minitab 18 (statistical software)	

<b>COMPUTER 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>
			NIL	

ELECTRICAL ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
NIL				

ELECTRONICS ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1		Dr. Ahcene Bouncer-Brest Univercity, France	Finding the boundary nodes of a WSN using the D-LPCN algorithm and its simulation under CupCarbon	01/09/2017
2		Mr. Mombasawala- General Manager Keysight Technologies India Pvt. Ltd.	Awakening of Machines & things through 5G and IoT Technplogies	02/09/2017
3		Dr. Lalitkumar Singh- scientist, NPCIL-BARC, dept of Atomic Energy	Safety Analysis of Safety Critical Computer based system using Mathematical Modelling	02/09/2017

MECHANICAL ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
NIL				

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

Applied Chemistry Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. K. Suresh Kumar	Biosensors and Bioelectronics	04
2	Dr. K. Suresh Kumar	Sensors and Actuators B	06
3	Dr. K. Suresh Kumar	Colloids and Surfaces A	02
4	Dr. K. Suresh Kumar	Analytical Chemistry	02
5	Dr. K. Suresh Kumar	Analytica Chimica Acta	03
6	Dr. Naved I Malek	Journal of Colloid and Interface Science	04
7	Dr. Naved I Malek	Langmuir	02
8	Dr. Naved I Malek	Heliyon	02
9	Dr. Naved I Malek	Colloids and Surfaces A: Physicochemical and Engineering Aspects	01
10	Dr. Naved I Malek	Journal of Chemical & Engineering Data	01
11	Dr. Naved I Malek	Journal of Chemical Thermodynamics	02
12	Dr. Naved I Malek	Journal of Molecular Liquids	02
13	Dr. Naved I Malek	Journal of Physical Chemistry-B	02
14	Dr. Naved I Malek	Journal of Surfactants and Detergents	01
15	Dr. Naved I Malek	New Journal OF Chemistry	01
16	Dr. Naved I Malek	Chemical data Collection	02
17	Dr. Premlata Kumari	Medicinal Chemistry Reasearch	02
18	Dr. Premlata Kumari	Heterocyclic communications	01
19	Dr. Premlata Kumari	Chemistry Central Journal	01
20	Dr. Premlata Kumari	Letters in Drug Design & Discovery	01
21	Dr. Bharatkumar Z. Dholakiya	Chemical Physics Letters	01
22	Dr. Bharatkumar Z. Dholakiya	Journal of Cleaner Production, Elsevier	01
23	Dr. Bharatkumar Z. Dholakiya	Polymers and Polymer Composites, Taylor & Francis	01
24	Dr. Bharatkumar Z. Dholakiya	Synthetic Communications, Taylor & Francis	01
25	Dr. Bharatkumar Z. Dholakiya	Chemical Methodologies,	01
26	Dr. Bharatkumar Z. Dholakiya	Current Organic Chemistry, Bentham Science	01
27	Dr. Bharatkumar Z. Dholakiya	Journal of Environment and Waste Management.	01
28	Dr. Kalpana C. Maheria	Green Chemistry	02
29	Dr. Suban Sahoo	SpectrochimicaActa	05
30	Dr. Suban Sahoo	Sensors and Actuators	07
31	Dr. Suban Sahoo	Analytical and Bioanalytical Chemistry	02
32	Dr. Suban Sahoo	Dyes and Pigments	02
33	Dr. Suban Sahoo	Journal of Molecular Liquids	01

Applied Chemistry Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
34	Dr. Suban Sahoo	Luminescence: The Journal of Biological and Chemical Luminescence	01
35	Dr. Suban Sahoo	New Journal of Chemistry	02
36	Dr. Suban Sahoo	Journal of Fluorescence	01
37	Dr. Suban Sahoo	Materials Science & Engineering C	03
38	Dr. Suban Sahoo	Supramolecular chemistry	03
39	Dr. Suban Sahoo	Photochemical & Photobiological Sciences	02
40	Dr. Suban Sahoo	ChemistrySelect	02
41	Dr. Suban Sahoo	ACS Applied Bio Materials	01
42	Dr. Suban Sahoo	Journal of Photochemistry and Photobiology A: Chemistry	02
43	Dr. Suban Sahoo	Journal of the Chinese Chemical Society	01
44	Dr. Suban Sahoo	Applied Organometallic Chemistry	01
45	Dr. Suban Sahoo	RSC Adv	01
46	Dr. Suban Sahoo	Inorganic Chemistry Communications	01
47	Dr. Suban Sahoo	Biosensors and Bioelectronics	06
48	Dr. Suban Sahoo	Microchemical Journal	01
49	Dr. Ketan C. Kuperkar	ChemistrySelect	01
50	Dr. Ketan C. Kuperkar	Journal of Surfactants and Detergents	01
51	Dr. Ketan C. Kuperkar	Journal of Applied Polymer Science	01
52	Dr. Ketan C. Kuperkar	Colloids and Surfaces A: Physicochemical and Engineering Aspects	01

Applied Mathematics & Humanities Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. Ramakanta Meher	Journal of Applied Fluid Mechanics	02
2	Dr. Ramakanta Meher	International Journal of Applied Computational Mathematics (Springer)	01
3	Dr. Ramakanta Meher	Journal of Porous Media	01
4	Dr. Ramakanta Meher	Water Resources Research journal	01
5	Dr. Ramakanta Meher	Mathematical Methods in the Applied Sciences	01
6	Dr. R. K. Jana	International Journal of Physical Sciences	04
7	Dr. R. K. Jana	Mathematics Today	01
8	Dr. Sushil Kumar	Heat and Mass transfer, Springer	01
9	Dr. Jayesh M. Dhodiya	VIER Journal Engineering Reserch	03
10	Dr. Jayesh M. Dhodiya	International conference on Reserch and innovation in Science Engineering and Technology	03
11	Dr. H. P. Bulsara	Asian Journal of Agricultural Extension, Economics & Sociology	01
12	Dr. H. P. Bulsara	IIMB Management Review, Elsevier	01
13	Dr. H. P. Bulsara	Iranian Journal of Management studies	01
14	Dr. H. P. Bulsara	Journal of Financial Services Marketing, Springer	01
15	Dr. H. P. Bulsara	Consultancy Development Centre (CDC)	01
16	Dr. H. P. Bulsara	Horizon research Publishing, USA (HRPUB)	02
17	Dr. H. P. Bulsara	Journal of Economics & International Finance	02
18	Dr. H. P. Bulsara	Journal of Consumer Marketing	02
19	Dr. H. P. Bulsara	African Journal of Business Management	04
20	Dr. H. P. Bulsara	Decision	01
21	Dr. H. P. Bulsara	Revista Innovar	01
22	Dr. H. P. Bulsara	Journal of Financial Services Marketing	01
23	Dr. A. K. Shukla	Boletim Sociedade Paranaense de Matemática	01
24	Dr. A. K. Shukla	Ganita	01

Applied Physics Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. Debesh R Roy	DJ J. Engg. Phys. Therm. (D.J. Publications, ISSN: 2455-362X)	1
2	Dr. Debesh R Roy	Inorg. Chem. (Elsevier, ISSN: 0020-1669)	1
3	Dr. Debesh R Roy	J. Cluster Sci. (Elsevier, ISSN: 1040-7278)	1
4	Dr. D. V. Shah	Journal of Physics and Chemistry of solids	1
5	Dr. Y. A. Sonvane	DAE- Solid State Physics Symposium	4

Applied Mechanics Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr.B.Kondraivendhan	Powder Technology journal	02
2	Dr.B.Kondraivendhan	Computers and concrete journal	01
3	Dr.B.Kondraivendhan	Scientific Iranica journal	01
4	Dr. C D Modhera	Parul University International Conference on Engineering and Technology as Chair Person (16.02.2018)	04

Civil Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
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	P L Patel	ISH Journal of Hydraulic Engineering	
5	P L Patel	Journal of Hydrologic Engineering, ASCE	
6	P L Patel	Journal of Hydro-environment research, Elsevier	
7	P L Patel	Special Issue on 'Fluvial Hydraulics' ISH Journal of Hydraulic Engineering	
8	M M Ahammed	Journal of J Cleaner Production,	
9	M M Ahammed	Journal of Hazardous Materials,	1
10	M M Ahammed	Journal of Industrial and Engineering Chemistry,	1
11	M M Ahammed	Waste Management,	5
12	M M Ahammed	Environmental Chemical Engineering,	5
13	M M Ahammed	Chemical Engineering Science,	1
14	M M Ahammed	Environmental Technology,	1
15	M M Ahammed	Separation Science and Technology,	2
16	M M Ahammed	Environmental Science and Pollution Research,	4
17	M M Ahammed	Journal of Water and Health,	1
18	M M Ahammed	Water Resources Management,	1
19	M M Ahammed	Water Science and Technology,	6
20	M M Ahammed	Open Water	3
21	M M Ahammed	Journal of Water Reuse and Desalination	1
22	M M Ahammed	Journal of Environmental Management,	1
23	V L Manekar	Journal of Irrigation and Drainage Engineering, ASCE	1
24	V L Manekar	ISH Journal of Hydraulic Engineering	
25	Rakesh Kumar	Journal of Traffic and Transportation Engineering	1
26	Rakesh Kumar	Materials today's: Proceedings	1
27	Rakesh Kumar	TRB, Washington DC	2
28	Rakesh Kumar	Journal of Material in Civil Engineering	1
29	Rakesh Kumar	World Review of Intermodal Transportation Research	1
30	D A Patel	Journal of Management in Engineering, ASCE	1
31	D A Patel	Journal of Construction Engineering and Management in Engineering, ASCE	1
32	Namrata Jariwala	Journal of Environmental protection : Scientific Research publishing House (March 2018)	2
33	Chetan Patel	Current Science	1
34	Chetan Patel	World Conference on Transport Research	2
35	Chetan Patel	National Conference on Recent Advances in Traffic Engineering	5
36	Ganesh D. Kale	ISH Journal of Hydraulic Engineering	1
37	Ganesh D. Kale	Journal of Irrigation and Drainage, ASCE	1
38	S Arkatkar	Journal of Transportation Engineering, ASCE,	2
39	S Arkatkar	Transportation Research Part A, Elsevier.	1
40	S Arkatkar	European Transport Research Review- An Open Access Journal, Springer	-
41	S Arkatkar	Transport, Taylor and Francis	1
42	S Arkatkar	European Transport	-
43	S Arkatkar	International Journal of Civil and Architecture, David Publishing House, USA	-
44	S Arkatkar	NPTEL, IIT Madras	-
45	S Arkatkar	International Journal of Advances in Engineering Sciences and Applied Mathematics	-
46	S Arkatkar	Proceedings of EASTS	2
47	S Arkatkar	Transportation Letters	5
48	S Arkatkar	Case Studies in Transport Policy, Elsevier.	1
49	S Arkatkar	Transportation in Developing Economies, Springer	2
50	S Arkatkar	Journal of Intelligent Transportation Systems: Technology,	2

Civil Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
		Planning, and Operations (Taylor and Francis)	
51	S Arkatkar	Journal of Traffic and Transportation Engineering, Elsevier	1
52	S Arkatkar	Transportmetrica B: Transport Dynamics	1
53	S Arkatkar	Transportation Research Board (97Th Annual Meeting)	7

Chemical Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
		NIL	

Computer Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
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)	
6	Dr. R. G. Mehta	Reviewer of International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier	
7	Dr. D. P. Rana	Reviewer of International Conference on Global Trends in Signal Processing, Information Computing and Communication (ICSPICC-2016)	
8	Dr. D. P. Rana	Reviewer of International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier	

Electrical Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. S. N. Sharma	Indian Control Conference (ICC), Indian Institute of Technology Kanpur, India, January 4-6, 2018.	01
2	Dr. S. N. Sharma	5th International Conference on Advances in Control and Optimization of Dynamical Systems (An IFAC Conference), February 18-22, 2018, Dr. APJ Abdul Kalam Missile Complex, Hyderabad.	01
3	Dr. H. R. Jariwala	IEEE-PESGM during 16-20 July, 2017 Chicago, USA	03
4	Dr. H. R. Jariwala	Computer Applications in Electrical Engineering- Recent Advances (CERA-2017) in 5-7, October-2017	04
5	Dr. H. R. Jariwala	7 <sup>th</sup> International Conference on Power Systems (ICPS)-2017 during 21-23 December, 2017 at COEP, Pune.	04
6	Dr. Pranav Darji	IEEE – Power Electronics	01
7	Dr. M A. Mulla	IEEE – Transaction on Power Electronics	03
8	Dr. M A. Mulla	IEEE – Transaction on Industrial Electronics	07
9	Dr. M A. Mulla	Reviewer at 7th International Conference on Power Systems (ICPS), 2017 held at College of Engineering, Pune	03
10	Dr. M A. Mulla	Technical committee member and Reviewer at NCOSE 2018 held at Dept. of Electrical Engineering, VNIT, Nagpur	01
11	Dr. M A. Mulla	Regularly reviewing papers at IEEE Transaction on Industrial Electronics, IEEE Transactions on Power Electronics, IEEE Journal of Emerging and Selected Topics in Power Electronics	11
12	Dr. M A. Mulla	Regularly reviewing papers at IET Power Electronics, IET Electrical Applications, IET Generation, Transmission & Distribution	
13	Dr. M A. Mulla	Reviewer at Elsevier International Journal of Electrical Power and Energy Systems	01
14	Dr. M A. Mulla	Reviewer at Willey International Transactions on Electrical Energy Systems	01
15	Dr. M A. Mulla	Reviewer at Tailor and Francis Electric Power Components and Systems Journal	01
16	Dr. M A. Mulla	Reviewer at International Journal of Emerging Electric Power Systems (IJEPS)	01
17	Dr. M A. Mulla	Reviewer at Journal of The Institution of Engineers (India): Series B	01
18	Dr. A. K. Panchal	Reviewer for international Journal Royal Society Chemistry Advances	01
19	Dr. A. K. Panchal	Reviewer for international journal Progress in Photovoltaics: Research and Applications	01
20	Dr. P. Kundu	For Interwoven( International journal)	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>
1	Dr. K. P. Upla	JARS 170820 Title: "Context Adaptive Panchromatic Band Simulation and Detail Injection for Image Pansharpening" Author(s): Qinling Dai, Bin Luo, Leiguang Wang, and Zhigang	01
2	Dr (Mrs.) J. N. Patel	Journal of Electronic Imagine Title: "Pixel decimation of block-matching cost functions in High Efficiency VideoCoding"	01
3	Dr (Mrs.) J. N. Patel	Indicon-2017, IIT Roorkee	03
4	Dr (Mrs.)U. D. Dalal	Indicon-2017, IIT Roorkee	04
5	Dr (Mrs.) S. N. Shah	14th IEEE India Council International Conference (INDICON-2017)	02
6	Dr (Mrs.)U. D. Dalal	conference Comptelix 2017, organized by MNIT Jaipur during July 1-2, 2017 in association with Manipal University.	03
7	Dr. Z. M. Patel	ICTACT Journal of Microelectronics (Overview of MEMS Sensors and Associated Aspects)	01
8	Dr. K. P. Upla	Journal of Applied remote sensing, SPIE journal	01
9	Dr. Z. M. Patel	ICTACT Journal of Microelectronics 1. Overview of MEMS Sensors and Associated Aspects 2. CNTFET Based Novel 14T Adder Cell for Low Power Computation	02
10	Dr. K. P. Upla	IET electronics LETTERS, IEEE publisher	01
11	Dr. K. P. Upla	PATTERN RECOGNITION LETTERS, Elsevier jrnl	01
12	Dr. K. P. Upla	Canadian Journal of Remote sensing.	01
13	Dr (Mrs.) Shilpi Gupta	conference Comptelix 2017, organized by MNIT Jaipur during July 1-2, 2017 in association with Manipal University.	04
14	Dr. (Mrs.) R. N. Dhavse	IEEE Sensors Journal	02
15	Mr. P. J. Engineer	1 <sup>st</sup> INTERNATIONAL CONFERENCE PiCET:"Parul University International Conference on Engineering and Technology:Smart Engineering", ParulUniversity, Vaghodia	03
16	Dr.(Mrs.) U. D. Dalal	Telecommunication systems	06

<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	Journal of Aerospace Sciences and Technologies published by the Aeronautical Society of India	01
2	Dr. S. A. Channiwala	25 <sup>th</sup> National Conference on Internal Combustion Engines and Combustion, 2017 (NCICEC, 2017)	03
3	Dr. S. A. Channiwala	1st National Aerospace Propulsion Conference NAPC-2017, IIT Kanpur	01
4	Dr. S. A. Channiwala	National Conference on "Progress, Research and Innovation in Mechanical Engineering", SCET, Surat	03
5	Dr. S. A. Channiwala	13th International Conference on Heat Transfer, Fluid Mechanics and Thermodynamics, Slovenia, 2017	01
6	Dr. S. A. Channiwala	Sadhana Academy Proceedings in Engineering Sciences, Indian Academy of Sciences, Springer	01
7	Dr. S. A. Channiwala	ASME Gas Turbine India 2017, Conference and Exhibition, Bangalore	02
8	Dr. S. A. Channiwala	Waste and Biomass Valorization Journal, Elsevier	01
9	R. V. Rao	International Journal of Advanced Manufacturing Technology, Springer, UK	04
10	R. V. Rao	Journal of Engineering Manufacture, Sage Publishers, UK	02
11	R. V. Rao	International Journal of Production Research, Taylor & Francis, UK	01
12	R. V. Rao	Journal of Intelligent Manufacturing, Springer, UK	03
13	R. V. Rao	International Journal of Mathematical and Computer Modeling, Elsevier	01
14	R. V. Rao	Heat and Mass Transfer, Germany	01
15	R. V. Rao	IEEE Transactions on Industrial Informatics	02
16	R. V. Rao	Journal of Manufacturing Systems, World Scientific	02
17	R. V. Rao	Arabian Journal of Science and Engineering, Springer	02
18	R. V. Rao	Information Sciences, Elsevier	02
19	R. V. Rao	Applied Soft Computing, Elsevier	02
20	R. V. Rao	Engineering Optimzation, Taylor & Francis, UK	02
21	R. V. Rao	Computers & Industrial Engineering, Elsevier	02

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
22	R. V. Rao	Applied Mathematical Modeling, Elsevier, USA	01
23	R. V. Rao	IEEE Transactions on Industrial Informatics	02
24	R. V. Rao	International Journal of Engineering, Project and Production Management (NUS, Singapore)	02
25	R. V. Rao	Energy, Elsevier	02
26	R. V. Rao	International Journal of Industrial Engineering Computations, Growing Science, Canada	02
27	R. V. Rao	Engineering Applications of Artificial Intelligence, Elsevier	02
28	R. V. Rao	National Academy of Sciences, India Section A: Physical Sciences, Springer	02
29	R. V. Rao	Applied Thermal Engineering, Elsevier	04
30	R. V. Rao	Optimal Control, Industrial applications and Methods, Wiley, USA.	01
31	R. V. Rao	ASME Journal of Mechanical Design, ASME, USA	01
32	R. V. Rao	International Journal of Machining and Machinability of Materials, Inderscience, UK	01
33	R. V. Rao	Chemical Engineering Research and Design, Elsevier	01
34	R. V. Rao	International Journal of Thermal Sciences, Elsevier	02
35	R. V. Rao	Applied Energy, Elsevier	01
36	R. V. Rao	Neural Computing and Applications, Springer	02
37	R. V. Rao	Artificial Intelligence Review, Elsevier	01
38	R. V. Rao	Applied Computing and Informatics	01
39	R. V. Rao	International Journal of Refrigeration	02
40	R. V. Rao	Engineering Science and technology: An International Journal, Elsevier	01
41	R. V. Rao	Progress in Computational Fluid Dynamics, An International Journal, Taylor & Francis	01
42	R. V. Rao	Computer-Aided Design, Elsevier	02
43	R. V. Rao	Scientia Iranica, Iran	01
44	R. V. Rao	Multidiscipline Modeling in Materials and Structures, Taylor & francis	02
45	R. V. Rao	IEEE Transactions on Industrial Informatics, IEEE	02
46	R. V. Rao	Computer-Aided Design, Elsevier	02
47	R. V. Rao	IEEE Access, IEEE	02
48	R. V. Rao	ICCHMT Conference, Cracow, Poland	05
49	Dr. T. N. Desai	International Journal of Industrial and Systems Engineering	02
50	Dr. T. N. Desai	International Journal of Procurement Management	01
51	Dr. T. N. Desai	International Journal of Logistics Systems and Management	01
52	Dr. T. N. Desai	Industrial Engineering Journal	03
53	Bade Mukund H.	Energy Conversion and Management	04
54	Bade Mukund H.	Clean Technologies and Environmental Policy	01
55	Ravi Kant	International Journal of Production Research	02
56	Ravi Kant	Production Planning and Control	03
57	Ravi Kant	International Journal of Lean Six Sigma	04
58	Dr. Purnanand V Bhale	Renewable Energy- Elsevier	04
59	Dr. Purnanand V Bhale	Journal of Renewable and Sustainable Energy - AIP Publishing	03
60	Dr. H.K. Dave	Journal of Brazilian Society of Mechanical Science & Engineering	01
61	Dr. H.K. Dave	Microsystems & Technology	01
62	Dr. H.K. Dave	Machining Science & Technology	01
63	Dr. H.K. Dave	International Journal of Manufacturing Research	01

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

Applied Chemistry Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr.B. Z. Dholakiya	Department of Chemistry, Gujarat University, Ahmedabad	Ph. D. thesis of Mr. Ankitkumar D. Panchal reviewed and act as examiner in Viva Voce
02	Dr.B. Z. Dholakiya	Department of Chemistry, Shri Jagdishprasad Jhabarmal Tibrewala University, Rajsthan.	Ph. D. thesis of Ms. Shwetali Kiran Churi reviewed.

<b>Applied Mathematics &amp; Humanities Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
01	Dr. Jayesh M. Dhodiya	<b>Kadi Sarva Vishwavidyalaya, Gandhinagar</b>	Ph. D. Thesis
02	Dr. A. K. Shukla	Manipal University, Jaipur	Nil
03	Dr. A. K. Shukla	Indian Institute of Technology(ISM), Dhanbad	Nil
04	Dr. V. H. Pradhan	S. P. University, V. V. Nagar, June,2017	Thesis accepted & conducted Viva-Voce exam
05	Dr. V. H. Pradhan	Pacific University, Udaipur, Aug., 2017	Thesis accepted & conducted Viva-Voce exam
06	Dr. H. P. Bulsara	IIT, Roorkee	Nil
07	Dr. H. P. Bulsara	NIT, Durgapur	Nil
08	Dr. H. P. Bulsara	Sainath University, Ranchi	Nil
09	Dr. H. P. Bulsara	Dr. M. G. R. Educational and Research Institute Chennai	Nil

<b>Applied Physics Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
01	Dr. D. V. Shah	VNSGU, Surat	Examiner of Ph.D. Thesis reviewed

<b>Applied Mechanics Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
NIL			

<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>
01	J N Patel	Gujarat Technological University, Ahmedabad	
02	S M Yadav	Review of PhD theses, CED, RK University	
03	M Mansoor Ahammed	Cochin University of Science and Technology	
04	V L Manekar	RTM University, Nagpur	
05	V L Manekar	University of Mumbai, Mumbai	
06	Rakesh Kumar	MNIT JAIPUR	
07	Rakesh Kumar	NIT RAIPUR	
08	Rakesh Kumar	NIT BHOPAL	
09	Rakesh Kumar	NIT Srinagar	

<b>Chemical Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
01	<b>Dr. Z. V. P. Murthy</b>	University of Madras, Chennai (August 2017).	
02	<b>Dr. Z. V. P. Murthy</b>	Andhra University, Visakhapatnam (August 2017).	
03	<b>Dr. M. Chakraborty</b>	Wasteland Derived Biomass (En No. 139997105007 dated 08/02/18).	

<b>Computer Engineering Department</b>			
<b>Sr. No.</b>	<b>Name of Faculty Member</b>	<b>Name of the University/Institute</b>	<b>Remark</b>
01	Dr. D. P. Rana	External Examiner-Public Viva Voce Examination "Reliable Routing Protocol for Mobile Adhoc Network" Gujarat Technological University, 2nd Jan 2018	



Electrical Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. S. N. Sharma	University of Delhi, New Delhi	
02	Dr. Pranav Darji	Gujarat Technological University.	
03	Dr. V. A. Shah	Sathyabama Institute of Science and Technology (Deemed to be University) Jeppiaar Nagar, Rajiv Gandhi Salai, Chennai - 600 119. Tamilnadu, INDIA.	

Electronics Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr.(Mrs.) U.D.Dalal	MNIT Jaipur- 14 <sup>th</sup> December 2017	

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. S. A. Channiwala	Jitendra Narayan Gangwar Thesis Title: Performance, Combustion and Emission Characteristics of a Diesel Engine Fueled with Ether/Alcohol/Diesel Blends	MNNIT, Allahabad
02	R. V. Rao	I. Kantharaj	Karunya University, Coimbatore
03	R. V. Rao	Amol M. Dalavi	Symbiosis University, Pune, Maharashtra
04	R. V. Rao	Sangram Jadhav	B.A.T.U., Lonere, Maharashtra
05	Dr. H. K. Raval	Some studies on the effect of process parameters in the photochemical machining of SS316L	Dr. Babasaheb Ambedkar Technological University, Maharashtra.
06	Dr. H. K. Raval	Application of image analysis technique to investigate the effect of backing plates and fluxes to enhance weld penetration of TIG welded P-91 steel plates	NIT, Agartala.
07	Dr. T. N. Desai	Supply Chain Management Practices – Measurement Perspective	Rashtrasant Tukadoji Maharaj Nagpur University
08	Dr. T. N. Desai	Decision Support Using Multi-Criteria Decision Making for Reverse Logistics Networks	Gujarat Technological University
09	Dr. T. N. Desai	Investigation and Optimization of Process Parameters for the Powder Mixed EDM of Tungsten Carbide Alloy	National Institute of Technology, Hamirpur
10	Dr. T. N. Desai	An AHP-Based Study of TQM benefits in ISO 9001 Certified SMEs in India	Rashtrasant Tukadoji Maharaj Nagpur University
11	Dr. Jyotirmay Banerjee	Investigation of Fluid Flow and Heat Transfer Characteristics in Wavy Channels	IIT Bombay
12	Bade Mukund H.	PhD Examiner- Bharati Vidyapeeth Deemed University, Pune	Thesis review and PhD Examination 27 Sept 2017
13	Dinesh Singh	Reviewed the PhD Thesis entitled as "Development of Lean Practice Model for Small and Medium Scale Manufacturing Industries (SMEs) in Gujarat State"	C. U. Shah University, Wadhwan City, Gujarat
14	Dr. H.K. Dave	Mrs. Maya Wadhvani	R.K. University, Rajkot

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

Third phase of Technical Education Quality Improvement Programme (referred to as TEQIP-III) is fully integrated with the Five-year Plan objectives. Technical Education is a key component for improving the quality of Engineering Education in existing situation. In which the special consideration is given to Low Income States and Special Category States (SCS). Support is extended to strengthen few affiliated technical universities to improve their policy, academic and management practices.

### TEQIP-III: Project Objectives

Project objectives are as under:

- Improving quality and equity in engineering institutions in focus states viz. 7 Low Income States (LIS), eight states in the North-East of India, three Hill states viz. Himachal Pradesh, Jammu & Kashmir, Uttarakhand and Andaman and Nicobar Islands (a union territory (UT))
- System-level initiatives to strengthen sector governance and performance which include widening the scope of Affiliating Technical Universities (ATUs) to improve their policy, academic and management practices towards affiliated institutions, and
- Twinning Arrangements to Build Capacity and Improve Performance of institutions and ATUs participating in focus states.

### TEQIP-III: Project Design

TEQIP seeks to enhance quality and equity in participating engineering education institutions and to improve the efficiency of the engineering education system in focus states.

The Project supports two components:

Component - 1: Improving quality and equity in engineering institutions in focus states

#### Sub-component 1.1: Institutional Development for Participating Institutions

An estimated 90 Engineering Education institutions meeting (progressively) the enabling mechanisms and based on meeting minimum standards in quality of Institutional Development Proposals (IDPs), will be selected.

Institutions are required to define the activities in their IDP that they want to carry out in the project. These activities should be under the scope of the project and are those that fulfil the objectives of the project. However, some of the suggested activities under the scope of the project are given below:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works.
- Improvement in Teaching, Learning and Research competence.
  - Improve student learning
  - Student employability
  - Increasing faculty productivity and motivation
  - Establishing a twinning system
    - Twinning arrangements with high performing institutions under Sub-component 1.3 to build capacity and improved performance
- Recruitment and retention of high quality faculty (through better faculty appraisal systems and the faculty recruitment plan). (Consultant services if required, can also be procured for the above said activities.)

### **Sub-component 1.2 : Widening Impact through ATUs in focus states**

All ATUs meeting the enabling mechanisms will be selected. The various activities are to be supported by the Action Plans from the ATUs. Some of the suggested activities are:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works
  - Centralized Research hubs opened to all faculty of affiliated institutions
  - Establishing/improving ERP/management information system for student, staff and faculty data
  - Improving financial management and procurement
  - A modern HR system for efficient personnel management

### **Improvement in Teaching, Learning and Research Competence of affiliated institutions**

- Mentoring of affiliated institutions and promoting of applications to UGC/NBA
- Increasing faculty productivity and motivation
- Twinning arrangements with ATUs under Sub-component 1.3 to build capacity and improved performance
- Preparation of massive open online courses (also referred to as MOOCs), facilitating access of institutions to MOOCs
- Filling up of faculty vacancies
- Developing credit-based systems such that students in institutions could use select e-learning courses as part of their degree programs
- Greater access to digital resources
- Improving institutional governance
- Improve student learning
- Student employability

### **Sub-Component 1.3: Twinning Arrangements to Build Capacity and Improve Performance of Participating Institutions and ATUs**

Institutions (already participated in TEQIP-I and/or II)/ATUs will be selected on a competitive basis through Challenge Method. Selection will proceed in 3 stages. At the first stage, Eligibility criteria will be used to shortlist the TEQIP-I/TEQIP-II institutes/ Universities followed by ranking on the basis of their performance assessment. Top rankers from stage-1 will be invited to submit Institution Development Proposals (IDPs) in stage-2. The institutions will proceed to stage 3 for final selection. The proposal should include establishing a mentoring system for twinning arrangements to build the capacity and improvement in performance of institution/ATUs participating under sub-component 1.1/1.2 respectively.

Institutions are required to define the activities in their IDP that they want to carry out in the project. These activities should be under the scope of the project and are those that fulfil the objectives of the project. However, some of the suggested activities under the scope of the project are given below:

- Procurement of Goods (equipment, furniture, books LRs, software and minor items) and minor civil works
- Improvement in Teaching, Learning and Research competence
  - Improve student learning
  - Student employability
  - Increasing faculty productivity and motivation
  - Establishing a twinning system
    - Twinning arrangements with institutions under Sub-component 1.1 to build capacity and improved performance
    - Individual Institutional mentors

### Component-2: System Level initiatives to strengthen sector governance and performance

This component will support MHRD and key apex bodies in engineering education, including AICTE and NBA, to strengthen the overall system of engineering education. The activities are:

- Provide technical assistance to AICTE and NBA
- Professional development of Technical Education and TEQIP administrators in the project States and project institutions
- Initiatives for Effective Governance System of institutions at the level of Board of Governors
- Implementing Direct Benefit Transfer System to ensure fund transfer electronically to SPIUs and institutions, and
- Project monitoring & evaluation
- All institutes and ATUs in the Project, as well as those government and government-aided institutes that participated in TEQIP I and/or II but are not participating in TEQIP III and ATUs not part of the Project, will be linked to the National Knowledge Network. Last mile connectivity will be provided by the Project.
- 24x7 broadband connectivity and Wi-Fi access in all academic and administrative buildings and hostels.
- Developing or establishing technology learning centers at all universities which affiliate engineering colleges

#### TEQIP-III Basic Details:

- Project Duration: April 2017 to March-2020 (Extended till September 2020).
- Total Project Allocation: 7.00 crore

#### TEQIP-III Audit and Mentorship Program Completed:

No	Date	Name of Auditor
<b>Performance Audit</b>		
1 <sup>st</sup>	27-29 August 2018	Dr. S.P.Kalunkar
<b>Mentorship Program</b>		
1 <sup>st</sup>	16-17 October 2018	Dr. Sarvesh Chandra

#### Fund Utilization Details: (As on March-2018)

Sr. No	Head Name	Amount (in lack)
1	Procurement	48.90
2	Mentoring/Twining	2.77
3	Research & Development	0.29
4	Faculty & Staff Development	2.52
5	Industry-Institute Interaction	0.02
6	Management Capacity Development	0.00
7	Reforms	0.76
8	Weak Students support	1.23
9	Incremental Operating Cost	7.61
	<b>TOTAL</b>	<b>64.10</b>

#### TEQIP-III Performance:

To monitor the project outcome 7 academic component were evaluated in the scale of 3 point grading. The grading is given as 3 means poor, 2 is moderate and 1 is best. The TEQIP performance of the institute was given the grade as 1.38. This was highly satisfactory as evaluated by the TEQIP Performance auditor.

## 11 ANNEXURES

## 11.1 (a) Research Projects Details

APPIED CHEMISTRY DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Development of surface functionalized metal-doped nanoparticles as fluorescent probes for sensing trace level of heavy metals in environmental matrice. (Sanction No.: 37(2)/14/07/2015/BRNS/10401Dated: 11/06/2015)	Dr. K. Suresh Kumar	Rs. 31,31,400/-	2015 - 2019	June 2015	On-going
2	Designing of Green Synthetic Approaches for Atomically Precise Nanoclusters for Dictating their Specific Interactions: Development of Miniaturized Analytical Methods (Sanction No: DST-EMR/2016/002621 ,dated 20.07.2017)	Dr. K. Suresh Kumar, PI Dr. Z. V. P. Murthy, Co-PI	Rs. 35,04.655/-	2017 - 2020	July 2017	On-going
3	UGC-DAE-CSR Collaborative Research Project	Dr. Naved I Malek	6.39 Lakhs	3 Years	01.01.2018	Running
4	Department of Science and Technology (DST)	Dr. Naved I Malek	17.85 Lakhs	3 Years	2014-15	Completed
5	Council of Scientific and Industrial Research (CSIR), New Delhi	Dr. Naved I Malek	15.42 Lakhs	3 years	2014-15	Completed
6	Institute Research Grant	Dr. Naved I Malek	10 Lakhs	2 Years	2015	Completed
7	Use of Inorganic / Hybrid ion exchanger for the removal of toxic metals from industrial waste water - Sanction No.: Dean (R&C)/1503/2013-2014Dated: 20/12/2013)	Dr.Kalpna C. Maheria	31.40 lakhs	03 (Extended)	March 2015	Ongoing
8	Aggregation of amphiphilic copolymers in deep eutectic solvent-water mixed systems (CRS-M-234) sponsored by Collaborative Research Scheme of University Grants Commission-Department of Atomic Energy, INDIA. Ref. UDCSR/MUM/CRS-M-234/2017/ 1002.	Dr. Ketan C. Kuperkar	10 Lakhs	03 years	December 2016	Ongoing
9	Synthesis of Novel Pyrimidine-(2, 4, 6)-(1H, 3H, 5H) Trione Based Anticancer Agents from Rasphanus Stavivus L. (Brassicaceae) as Plant Source and Algae as Marine Source. GUJCOST, Gandhinagar GUJCOST/MRP/202042/12-3/04/1319, 18-03-2013.	Dr. B.Z. Dholakiya	2 Lakhs	2 Years	2013	Completed
10	"Biodiesel Purification: Preparation of Novel Biodegradable Purification Material from Saw Dust and Development of Cutting Cost Dry Wash Biodiesel Purification Technology." CSIR, New Delhi 02(0170)/13/EMR-II Date:21-10-2013	Dr. B.Z. Dholakiya	13.90 Lakhs	2 Years	2014	Completed
11	"Towards Higher Generation Biofuels: Characterization, Material Compatibility, Storage Stability and Engine Performance" GUJCOST/MRP/2014-15/393 dated 30 <sup>th</sup> June 2014	Dr. P. V. Bhale (PI) Dr. B.Z Dholakiya (Co-PI)	4 Lakhs	2 Years	2014	Completed
12	"Synthesis and Biological Evaluation of Antrocinamomide C and Unnatural Analogues" Dean (R&C)/1503/2013-2014/priority-I/14	Dr. B.Z Dholakiya	10.50 Lakhs	2 Years	2014	Completed

APPIED MATHEMATICS & HUMANITIES DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
01	BRNS Project on Development of Anti Reflection Coating for Fabrication of superluminescent LightEmitting Diode	Dr Vipul Kheraj	2,387,200	3 years	21.12.2010	Completed
02	DBT Project on Establishment of Bioinformatics Infrastructure Facility for Biology Teaching through Bioinformatics (BIF-BTBI) under the BTIS net	Dr. NeeruAdlakha	2,000,000	3 years	25.03.11	Completed
03	CSIR Project on Computational Model and Server for Simulation of Ca2 Dynamics in Myocytes	Dr Neeru Adlakha	4,228,838	3 years	02.02.11	Completed
04	CSIR Project – Study On Fixed Point Theorems for single valued and multivalued and their applications in best approximation	Dr Dhananjay Gopal	170,000	2 years	14.03.13	Completed
05	Gujcost Project - Study on Nonliner partial differential	Dr Twinkle Singh	110,000	2 years	23.09.15	Ongoing

APPIED PHYSICS DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
01	SERB Project - A study on change in refractivity of the atmosphere prior to earthquakes	Dr K N Pathak	1,466,200	3 years	11.03.13	Completed
02	SERB Project – Novel nanomaterials structure, growth, electronics, magnetic and optical properties	Dr Debesh Ranjan Roy	600,000	3 years	20.09.13	Ongoing
03	BRNS Project –Ground – State properties of low dimensional quantum systems.	Dr L K Saini	1,449,250	3 years Wxtended up to 31.12.16	27.09.13	Ongoing
04	SERB Project – Properties of miesons using QCD inspired models	Dr A K Rai	1,284,000	3 years	01.11.13	Completed
05	SERB Project – Strongly – correlated electronics materials, Topological quntumnano – materials	Dr L K Saini	1,404,000	3 years	24.02.14	Ongoing
06	SERB Project - Performance of latest IRI Model	Dr Shital Karia	2,980,000	3 Years	18.11.15	Ongoing
07	SERB Project Extended Wright Type Hypergeometric Functions	Dr R K Jana	1,515,360	3 years	22.07.16	Ongoing
08	SERB Project - Novel perovskite-based solar cells : Invetigation of potential properties using ab-initio approches	Dr Y A Sonavne	3,009,000	3 years	02.03.17	Ongoing
09	Development of Novel Cluster Assembled Material from Potential Cluster Motifs : A new Insight under density Functional Investigation	Dr Debesh Ranjan Roy	2,769,594	3 Years	18.07.17	Ongoing

APPIED MECHANICAL DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Gujcost Project – Seismic resistant steel beam to column joints	Dr G R Vesmawala	430,000	2 Years	11.02.15	Completed
2	Performance and design evaluation of test tracks of flexible pavement with waste materials in subbase and base Layers.	Dr. Satyajit Patel	16,115,200	3 Years	31.03.16	Ongoing
3	Experimental Studies on High Performance Cocrete Using Industrial Wastes	Dr C D Modhera	300,000	2 Years	20.06.16	Ongoing
4	Some Studies on Performance of Previous Concrete for improving soft Ground	Pof J B Patel	692,000	2 Years	20.06.16	Ongoing
5	AICTE Project QIP Centre	Dr Shailendra Kumar	3,391,500	3 years		Completed
6	DST - NIMAT (MOU - EDI) - To create techno-entrepreneurs and resource persons through Entrepreneur Development Programme Strategy	DR C D Modhera	1,295,000	3 years	22.08.16	Ongoing
7	SERB Project - Functional Variants of Mussel Inspired Biomaterial Surface; effect to Surface Functional Groups on antibiofilm Properties\	Rajendra Kumar	2,891,000	3 years	08.03.16	Ongoing
8	Gujcost-Experimental Studies on High Performance Cocrete Using Industrial Wastes	Dr C D Modhera	300,000	2 years	20.06.16	Ongoing

CIVIL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Impact of Climate Change on Water Resources of Tapi Basin	P L Patel	135.84 lakhs	Three years	March 19, 2018	Ongoing
2	Impact of Climate Change on Water Resources of Sabarmati Basin	P L Patel	84.91 lakhs	Three years	March 19, 2018	Ongoing
3	Recirculating Sediment Transport Flume	P L Patel	1.75 crores	Two years	2015	Ongoing
4	Use of water treatment plant sludge for the post treatment of UASB reactor treating municipal wastewater, Sponsored SERB, DST	M M Ahammed (Co-Investigator: K D Yadav)	Rs 16.90 lakhs	2014-2018	July 2014	Ongoing

CIVIL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
5	Flow Structure and Turbulence	V L Manekar	Rs 175 lakhs	5 years	Nov. 2014	Ongoing
6	Development of Guidelines for Preventing Elderly Users Injuries at Intersections	Rakesh Kumar K A Chauhan	39 lakhs	3 years	1st march 2012	Complete
7	Utilization of Copper Slag and Fly Ash for road construction and building materials.	Rakesh Kumar K A Chauhan	17 lakhs	3 years	4th Jan 2013	Complete
8	DST-NIMAT Project 2016-17 and 2017-18 and 2018-2019	Rakesh Kumar	18 lakhs	4 years	--	On going
9	IT Indian Heritage Platform: Enhancing cultural resilience in India by applying digital technologies to the Indian tangible and intangible heritage.	D A Patel	10 lakhs	2 years	28.1.2018	In progress

CHEMICAL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	DRDO Project on Fabrication and Characterization of Porous Silicon and its Application as a Optical Biosensor	Dr M Chakraborty	2,122,600	2 years	13.04.11	Completed
2	CSIR Project – Studies on novel techniques for extraction of essential oil from patchouli	Dr Jigisha Parikh	1,206,940	2 years	16.04.13	Completed
3	DRDO Project - " Application of Benthic microbial fuel cell (BMFC) for Powering novel sensors"	Dr A K Mungray	1,777,600	3 years	04.07.14	Ongoing
4	Study of Microbial Consortia in Microbial fuel cell	Dr A K Mungray	1,705,000	3 Years	28.07.15	Ongoing
5	Gujcost Project –A study on stacked-bed-reactor-configuration in alkane-isomerization reaction	Dr P A Parikh	300,000	2 Years	26.11.14	Ongoing
6	GUJCOST Project Studies on interfacial characteristics of Liquid system	Dr V N Lad	510,000	3 years	20.06.16	Ongoing
7	SERB Project - Integration of Septic Tank and Microbial fuel cell : Novel Hybrid system for sustainable treatment of domestic waste water	Dr A K Mungray	3,118,000	3 years	22.03.17	Ongoing
8	Environmentally Safe Disposal of Refinery Sludges via Catalytic Conversion to Value added Hydrocarbons	Dr P A Parikh	671,000	1 year	08.11.17	Ongoing
9	Spatial Distribution of Uranium and associated water quality parameters in ground water / drinking water of five districts (Navsari, Valsad, Dang, Surat, Tapi) of Gujarat.	Dr Jigisha Parikh	1825950	3 years	18.04.2016	Ongoing
10	The near future air cathode Osmotic microbial fuel cell (OMFC) for wastewater treatment, electricity generation and pure water extraction	Dr. Alka A Mungray	2,846,000	3 years	20.03.18	Ongoing
11	Polydopamine based Nanopartics with Antimicrobial and antiaesenic properties for water disinfection and remediation	Dr. Rajendra Kumar	4,430,000	3 years	29.11.17	Ongoing
12	Synthesis and Characterization of semiconductor / oxide materials for cost effective pervoskite solar cells modules	Dr Jignasa V Gohel	1,632,000	3 Years	28.06.2017	Ongoing

COMPUTER ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	DIT Project on A Secure Data Aggregation Systems and as Intrusion Detection System for Wireless Sensor Networks	Dr D C Jinwala	4,886,400	3 years	01.09.11	Completed

<b>COMPUTER ENGINEERING DEPARTMENT</b>						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
2	ISEA Project - " Phase - II released Grant in Aid"	Dr D R Patel	18,570,000	5 years	12.02.16	Ongoing
3	Gujcost Project –Investigating Anti-Replay algorithms for link layer security architecture in wireless sensor networks	Dr D C Jinwala	240,000	2 years	18.03.16	Ongoing
4	DIT-Collaborative Data Processing and Resource Optimisation for Post Disaster Management and Surveillance using Internet of Things	Dr Mukesh A Zaveri	6,500,000	3 years	18.07.16	Ongoing

<b>ELECTRICAL ENGINEERING DEPARTMENT</b>						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	CSIR Project - Development of Stochastic Filtering	Dr S N Sharma	273,000	2 years	02.12.14	Completed
2	SERB Project - Development of Control Algorithms for shunt and series connected Custom Power Devices.	Dr. Sabha Raj Arya	4,410,560	3 years	17.08.16	Ongoing
3	Gujcost-Development of Adaptive Control Algorithm for Shunt Compensator	Dr. Saba Raj Arya	194,000	2 years	20.06.16	Ongoing

<b>ELECTRONICS ENGINEERING DEPARTMENT</b>						
Sr. No	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Special Manpower Development Programme for chips to System Design (SMDP-C2SD)	Dr. A. D. Darji & Mr. P. J. Engineer Dr. J. N. Sarvaiya Dr. Z. M. Patel Dr. Rasika Dhavse	Fund released Rs. 43,64,000/-	5 Years	Feb, 2015	Ongoing
2	SIRMI – Strengthening IRNSS receiver by mitigation of Interference	Dr. U. D. Dalal Dr. S. N. Shah	Rs. 31,21,000/-	2 Years	13/09/2017	Ongoing
3	Study, Design and Simulation of Ion Delay Effects Based On Ionospheric Models & Their Correction Techniques Using Software Define Radio	Dr. S. N. Shah	Rs.18,90,000/-	3 years	23/01/2017	Ongoing
4	FPGA Based Adaptive Filter Algorithm Implementation for external noise cancellation	Dr. A. D. Darji Dr. J. N. Sarvaiya	Rs. 23,31,375/-	20/10/2015 to 31/07/2018	20/10/2015	Completed
5	Visvesvarya Project – Young Faculty Research Fellowship & Research Grant	Dr. P. N. Patel	Total Sanction Rs. 37,00,000/- Fund release for 1 <sup>st</sup> year Rs. 7,40,000/-	5 Years	1/2/2018	Ongoing
6	Study & Implementation of GANS for Image Super-resolution: Application to Images captured using CCTV	Dr. K. P. Upla	Fund release for 1 <sup>st</sup> year Rs. 12,79,590/-	3 Years	10/08/2018	Ongoing
7	Fractal Metamaterials and its application to Wearable Antennas	Dr. Kirti Inamdar (Mentor-Dr (Mrs) U D Dalal)	Rs. 14,24,420/-	3 Years	20/02/2018	Ongoing

<b>MECHANICAL ENGINEERING DEPARTMENT</b>						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	DST Project on Investigation on Metal Removal Rate in Electro Discharge Machining Process under Orbital Tool Movement	Dr K P Desai	1,535,000	2 years	21.06.11	Completed
2	DST Project On Investigation of Bending Forces & Friction co-efficient during continuous bending of Conical shells on 3 – roller bending machine	Dr H K Raval	3,300,000	3 years	16.04.12	Closed
3	DST Project on 2 Stage PTC for 10 K Applications	Dr H B Naik	2,900,000	3 years	16.02.12	Ongoing
4	BRNS Project – Development of Thermo acoustically driven pulse tube refrigerator	Dr H B Naik	2,499,000	3 years	18.07.13	Ongoing
5	SERB Project – Automation of design of compound dies for sheet metal Industries	Dr S Kumar	2,050,000	3 years	13.02.14	Ongoing



MECHANICAL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
6	MHRD Pedagogy Project – Developing suitable pedagogical methods for various classes in intellectual calibers and e – learning.	Dr S Kumar	7,700,000	30 Months	9.10.13	Ongoing
7	SERB Project – Experimental analysis of slug regime in Gas-liquid two-phase flow through pipes.	Dr J Banerjee	2,518,400	3 years	23.05.14	Closed
8	BRNS Project – Mathematics modeling of thermal dispersion of effluent released into moticher lake at KAPS.	Dr J Banerjee	2,499,600	2 years	21.07.14	Ongoing
9	DRDO Project - " Probabilistic Fracture response of laminated panels comprising functionally graded materials with cutouts"	Dr Achchhelal	2,631,520	3 years	17.02.15	Closed
10	DST Project - " Optimization of sustainable advanced manufacturing processes"	Dr R Venkata Rao	1,262,700	3 years	03.06.15	Ongoing
11	Study of Microbial Consortia in Microbial fuel cell	Dr Shailedra Kumar	2,295,840	3 Years	05.01.15	Ongoing
12	ARDB Project - Stochastic Progressive failure response	Dr Achchhelal	816,000	2 years	05.11.15	Ongoing
13	Gujcost Project – Analysis Design and Experimental investigations on radial inflow micro gas turbine	Dr S A Channiwalla	500,000	2 Years	18.03.13	Closed
14	Gujcost Project - Study of effect of Tooling on formability	Dr H K Raval	500,000	1 Year	26.11.14	Completed
15	Gujcost Project - Flame propagation & Stabilisation	Dr S A Channiwalla	850,000	1 Year	26.11.14	Closed
16	Gujcost Project - Towards higher generation Biofuel	Dr P V Bhale	400,000	2 years	26.11.14	Closed
17	Gujcost Project - Generation of non circular cavity	Dr H K Dave	250,000	2 years	16.01.15	Completed
18	Combustor Technology Development for small Gas Turbine / Turbo fan Engine	Dr S A Channiwal	17,422,000	2 Years	01.06.17	Ongoing
19	Study of Slurry Erosion behaviour of Highly Entrophy Alloy Coating	Dr. Jyoti Meghani - Ex no-1125 Mob-9428971929	2,772,000	2 years	22.08.17	
20	Investigations on a Novel Stacked Minichannel Heat Sink using Efficient Coolants	Dr H B Mehta	2,447,500	3 Years	26.10.17	Ongoing
21	Design, Development and Demonstration of an Aerodynamically Advanced Un-manned Air Vehicle for Stealth and Heavy Payload Application	Dr S A Channiwalla	59,395,500	18 Months	22.01.18	Ongoing

**(b) Consultancy Details:**

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
1	TPI – Widening and Re-ashpalting to Karchond- Vasda Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	33,697	2017-18
2	TPI – Asphaltting to Industrial Roads of Dadra Industry (Growel Gupta Industry)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	101,317	2017-18
3	TPI –Providing strom water gutter and reasphalting on Vaghdhara	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	49,299	2017-18
4	TPI –Providing strom water gutter and reasphalting on Vaghdhara	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	151,637	2017-18
5	TPI – Re-asphalting to Road from Mohansinh Park to Shahid Chowk up to Masjid on Piparia Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof A J Shah		2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
6	TPI – Re-asphalting to Road from Mohansinh Park to Shahid Chowk up to Masjid on Piparia Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	132,625	2017-18
7	TPI –Widening of Road from dairy farm cause to Gandhigram	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar		2017-18
8	TPI –Widening of Road from dairy farm cause to Gandhigram	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	322,209	2017-18
9	TPI –Construction of Box Culvert on Rakholi Karad Road (Ch. 2/0 to 2/2)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	12,020	2017-18
10	TPI –Construction of Box Culvert on Rakholi Karad Road (Ch. 2/0 to 2/2)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	54,092	2017-18
11	Third Party Inspection : Converting the one lane to four lane from Kanadi Junction to Zaroli Border (Gujarat)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	325,505	2017-18
12	Third Party Inspection : Converting the one lane to four lane from Kanadi Junction to Zaroli Border (Gujarat)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	1,486,151	2017-18
13	Third Party Inspection : Converting the one lane to four lane from Kanadi Junction to Zaroli Border (Gujarat)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	1,492,669	2017-18
14	TPI – Re-asphalting to Road from Mohansinh Park to Shahid Chowk up to Masjid on Piparia Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	35,748	2017-18
15	TPI – Widening and Re-ashpalting to Karchond- Vasda Road TPI – Widening and Re-ashpalting to Karchond- Vasda Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	62,879	2017-18
16	TPI – Widening and Re-ashpalting to Karchond- Vasda Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	282,957	2017-18
17	TPI – Widening and Ashalting to Khanvel Dudhani Road upto Dudhani Junction (Ch. 26/0 to 35/8)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	84,476	2017-18
18	TPI – Widening and Ashalting to Khanvel Dudhani Road upto Dudhani Junction (Ch. 26/0 to 35/8)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	380,142	2017-18
19	TPI –Strengthening and Re-asphalting to Kala- Karachgam Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	78,564	2017-18
20	TPI –Strengthening and Re-asphalting to Kala- Karachgam Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	353,538	2017-18
21	TPI – Construction of Minor Bridge in Place of Low-Level Causeway at Umarkui Bhagatpada on Umarkui Kilvani Road	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	113,025	2017-18
22	TPI – Construction of Ring Road Stretches (AB, GH, & AH) for Silvassa Town (1st Phase)	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	1,433,134	2017-18
23	TPI – Const. of High Level bridge on river Damanganga Connecting Dudhani and Bildhari Village	Ex. Engineer, PWD, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	2,294,110	2017-18
24	Consultancy service for third Party inspection for the Upgradation and Expansion of Shri Vinobha Bhave Civil Hospital to Multi Spatiality Hospital	Executive Engineer, Project Cell Division, Medical and Public Health Department, DNH, Silvassa	Dr A K Desai Prof. A.J. Shah Dr. Rakeshkumar	42,73,203	2017-18
25	Consultancy services for TPI for Augmentation of water supply scheme of Moti Daman on Bhamti Branch Canal of Madhuban Dam	Executive Engineer, PWD, WD-I, Daman	Dr A K Desai Dr. Rakeshkumar Dr. S.M. Yadav Dr. K.A. Chauhan	2,127,338	2017-18
26	Consultancy services for TPI for Augmentation of water supply scheme of Moti Daman on Bhamti Branch Canal of Madhuban Dam	Executive Engineer, PWD, WD-I, Daman	Dr A K Desai Dr Rakesh Kumar Dr S M Yadav Dr K A Chauhan Prof A J Shah	540,827	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
27	THIRD PARTY INSPECTION AND MONITORING (1) Damanganga River Front Development at Silvassa, D & NH (Phase/III) Ground Silvassa	Executive Engineer, Dadra Nagar Haveli, Planning & Development Authority, Silvassa	Dr A K Desai Dr Rakesh Kumar Dr C H Solanki Prof Chetan Patel Prof Ravin Tailor	827,588	2017-18
28	THIRD PARTY INSPECTION AND MONITORING Construction of Sports Complex Cricket Stadium	Executive Engineer, Dadra Nagar Haveli, Planning & Development Authority, Silvassa	Dr A K Desai Dr Rakesh Kumar Dr C H Solanki Prof Chetan Patel Prof Ravin Tailor	2,658,329	2017-18
29	THIRD PARTY INSPECTION AND MONITORING Development Core area (Youth Hostel & Outdoor Sports area) in and around Stadium Ground Silvassa	Executive Engineer, Dadra Nagar Haveli, Planning & Development Authority, Silvassa	Dr A K Desai Dr Rakesh Kumar Dr C H Solanki Prof Chetan Patel Prof Ravin Tailor	2,817,129	2017-18
30	Third Party Inspection : Development & Construction of Modern Crematorium at Silvassa	Superintending Engineer, Dadra and Nagar Haveli, (P & D A), Silvassa	Dr A K Desai Dr Rakesh Kumar Prof A J Shah	734,429	2017-18
31	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 (Ranjit Buildcon Ltd)	Dr A K Desai Dr C H Solanki Dr B Kondraivendhan	200,000	2017-18
32	Consultancy Charges for Providing Proof Checking Consultancy Service of design and drawing for the construction of Kidney hospital at Surat	Executive Engineer, Project Implementation Unit, (Zone-7) New Civil Hospital Compound Majura Gate Surat.	Dr H S Patil Dr C H Solanki Prof A J Shah Dr Y D Patil Dr G R Vesmawala	830,044	2017-18
33	Proof checking of structural design and drawing for the construction of bridge across creek on 30 mt wide TP road near Rajshree Stone, Saroli Village, TPS No. 35 (Kumbharia – Saroli- Saniya Heamd Devedh) at Surat	Surat Urban Development Authority, SUDA. Surat	Dr C H Solanki Dr Y D Patil Dr G R Vesmawala	195,479	2017-18
34	Providing Proof Checking Consultancy services for 1) Construction of flexible pavement for 45 mt road in TPS No. 48 (Kholvad) and TPS No. 45 (Navagam-Vav) in Surat Urban Development Authority Area (7.5 mt wide) Creek slab culvert) Construction of Flexible pavement for 30 mt road in TPS No. 40 (Navagam) upto Block No. 97 in Suda Area (7.5 mt wide) (Creek Box Culvert)	Executive Engineer, Surat Urban Development Authority, Surat	Dr C D Modhera Dr Y D Patil Dr G R Vesmawala	70,800	2017-18
35	Proof checking of structural design and drawing including suggestions / remedial measures if any, in the construction of 21 Lacs Litres Capacity RCC elevated Service reservoir (ESR-6) 24 mt staging height at FP – 20, TP – 44 (Jahangirabad) in Rander Zone Area, Surat	Surat Municipal Corporation, Surat	Dr Y D Patil Dr D B Rajjiwala	82,400	2017-18
36	Provn of certain OTM ACCN and external services	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	34,783	2017-18
37	Testing of Launching Truss (construction for widening on both side of sardar patel river ridge joining athwa –adajan river Tapi at Surat on EPC Basis	Unique Construction	Dr G R Vesmawala Dr Y D Patil	80,000	2017-18
38	Prov of OTM ACCN FOR 01 X AEMED REGT AT KHasa PH- I & PH_II (NAMS)	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	85,217	2017-18
39	Proof checking	Vivaar Consultant S( G Gandevika)	Dr G R Vesmawala Dr Y D Patil	15,000	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
40	Proof checking of design and drawing of ROB in lieu of LC No. 184 at Bhatinda	Thoughts Consultants Jaipur Pvt Ltd	Dr G R Vesmawala Dr Y D Patil	70,000	2017-18
41	Provision of light Hangers at STN Chabua and Kalakurda works under Chief Engineer Air Force shilong	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	4,348	2017-18
42	Provision of light Hangers at STN Chabua and Kalakurda works under Chief Engineer Air Force shilong	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	4,348	2017-18
43	Proof checking work for construction of 1 x 40 m cler span prestressed 2 Lane bridge over Karloop Nahla on Marh Gasanso Road at Km 12 in block Marh District	Strength Engineering Sercies Pvt Ltd	Dr G R Vesmawala Dr Y D Patil Dr H S Patil	56,522	2017-18
44	Proof checking of design and drawings for proposed RUB at LC No.385 at K 766-13-15 on Sargaon-Bilaspur section of NH-200 (NEW NH-130) package-3 (from KM to km 126+525 (Total length 026+91 km ) section of Raipur 35.499 Bilaspur Road in the state of Chattisgarh under NHDP-IV on EPC Basis	Dilip Buildcon Limited	Dr S N Desai Dr Satyajit Patel	156,451	2017-18
45	Proof checking of design and drawings for proposed ROB at CH on Ghaghra Bridge 723+131 Varanasi Section of NH-233 (Package I) Project: four Laning of Ghaghra Bridge to Varanasi Section of NH-233 from KM 121.800 to KM from Ghaghra Bridge 180.420 Abutment on Basti Side to Bhudanpur Urban Section in The State of Uttar Pradesh under NHDP Phase-IV	Dilip Buildcon Limited	Dr S N Desai	17,880	2017-18
46	Proof checking of Design and Drawing of proposed ROB at Ch 24 on Mahulia Baharagora 188.324+ section of NH-33 (Four lanning with paved shoulds of mahulia to baharagoroa section of NH-33 from KM 277+500 to km 333+500 and Baharagora to chichra section of NH- from km 199+200 to km 183+587 06 in stante of Jharkhand (Design length 71.610 kms)under NHDP Phase-III	Dilip Buildcon Limited	Dr S N Desai Dr C H Solanki	335,225	2017-18
47	Proof checking of Structural Design and drawings including suggestions/ remedial measures if any, for Construction of RCC Counterfort Retaining wall And Compound Wall at TP - 22 (Sarhana-Valak), FP - 82 New East Zone Area, Surat ,81 -	Surat Municipal Corporation, Surat	Dr G R Vesmawala Dr C H Solanki	393,097	2017-18
48	Proof checking of Soil Investigation of Land Proposed for Palaghar District Head Quarter	Aakar Abhinav Consultants PVt Ltd	Dr C H Solanki	18,000	2017-18
49	Proof checking of soil investigation of Land Proposed for Palghar District Head	Aakar Abhinav Consultants PVt Ltd	Dr C H Solanki Dr Satyajit Patel	112,500	2017-18
50	Proof checking of foundation of Pre Engineering Buildings	S3M Design Consultant LLP	Dr A K Desai Dr Satyajit Patel	45,000	2017-18
51	Vetting of Structural drawings for residential and non-residential buildings for staff of light house & light ships at Gandhidham, Kutch	Dy. Director, General VTS, Directorate, Gandhidham	Dr A K Desai Dr C H Solanki	150,000	2017-18
52	Proof checking consultancy services and issue of structural stability certificate for the WTG Foundation on S111 120 m Hybrid Lattice	Suzlon Energy Limited, Pune	Dr A K Desai Dr C H Solanki	90,000	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
53	Proof checking for structural design vetting of 30.5 m flag mast for Rajasthan Technical University, Location : Kota Rajasthan	Transrail Lighting Limited	Dr A K Desai Dr C H Solanki	22,050	2017-18
54	(1) 20 m lighting mast for MRR Electricls & Cons. PVt Ltd, Jaipur, Rajasthan (2) 10 m conical pole for M/s MRR Electricals & Construction PVt Ltd, Jaipur	Transrail Lighting Limited	Dr A K Desai Dr C H Solanki	36,000	2017-18
55	Proof checking of structural design and drawing	Krishnakant R Tamakuwala	Dr A K Desai Dr C H Solanki	114,639	2017-18
56	Vetting of RCC STP water tank drawing for NMDC, JAagdapur Project, 200 MLD STP Plant	Max India Clean	Dr A M Parghi Dr C D Modhera	15,000	2017-18
57	Proof checking of RE Wall design / drawings for Construction of ROB in lieu of LC No. 70 at Sitapur Industrial area Jaipur	Consulting Ganesham Engineers Group	Shri J B Patel Dr Y D Patil	30,000	2017-18
58	Proof checking of Proposed Building CISF Barracks Dog, Kennel and Retaining wall at Goa Airport	Sthapati Designer & Consultants Pvt Ltd	Dr A K Desai Dr S A Vasawala	45,000	2017-18
59	Proof checking of construction of bridge across varyav khadi near Y-junction on Chhaprabhatha road on 45 mt wide TP/DP Sayan-Jahangirpura Road in Place of existing bridge	Surat Municipal Corporation, Surat	Dr C D Modhera DR A K Desai	83,547	2017-18
60	Proof checking of bridge in state of Odisha (High Level Bridge Project ON River Mahandadi in State of Odisha under OPWd on EPC Basis Total Fees : Rs. 10,50,000.00 + 157,500.00 = Rs. 1207,500.00 Received only 507500/- (NO TDS) as 1 <sup>st</sup> Installment Received Rupees 2,00,000 as 2 <sup>nd</sup> Installment 3 <sup>rd</sup> Installment Rs. 2,00,000.00	Ajay Protech PVt Ltd (Ranjit Buildcon Ltd)	Dr A K Desai Dr C H Solanki Dr B Kondraivendhan	173,913	2017-18
61	Peer review of structure design project (Sangini Evoq) at VIP road, Vesu	VEE AAR Associates	Dr C D Modhera Dr S A Vasawala	90,000	2017-18
62	Proof checking of services for Drawings RCC Box type siphon & 8/R distribution of LMBC of PANam High Level Canal Project for crossing the vadina Bina Pipeline, Ambli & Vetting of Construction Methodology	Panam Project Division, Godhara	Dr C D Modhera Dr C H Solanki Dr A K Desai (20000/3)	60,000	2017-18
63	Design and Drawing of Tensile Membrane structure at Auditorium, Malala, Diu	Executive Engineer, PWD, WS-II, Diu	Dr A K Desai Dr B Kondraivendhan	97,394	2017-18
64	Proof Checking of Structural Design for EWS -I /EWS-II dwelling Unit under Pradhan Mantri Awas Yojana (PMAY)	Surat Municipal Corporation, Surat	Dr C H Solanki Dr C D Modhera Dr S A Vasawala Dr H S Patil Dr A K Desai Prof A J Shah Dr S N Desai Dr D B Rajiwala Dr G R Vesmawala Dr Y D Patil	19,74,950	2017-18
65	Proof checking consultancy services for the work construction of Health Centre in Place of Old Water sump in Unn Village in South Zone, Udhna, Surat	Surat Municipal Corporation, Surat	Dr C H Solanki Dr Y D Patil	79,404	2017-18
66	Proof checking consultancy services for the work (1) Construction of shopping Centre at R S No. 25 of Moje Bhedwad and (2) Construction	Surat Municipal Corporation, Surat	Dr C H Solanki Dr Y D Patil	225,483	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
	of 41 Shops over existing shops of shopping centre in Pandesara Housing Board of South Zone, Surat				
67	Providing Proof checking of design done by Meccaferi Environment solution for the construction of Terameshwall		Dr A K Desai Dr C H Solanki Dr V L Manekar		
68	Proof checking consultancy services for the work construction of central library at Pandesara Housing Board CO P Plot No. 17 in Sub Zone – 2 in South Zone (Udhna), Surat & Providing proof checking consultancy service for the work construction of General Hospital at DTPS No. 58 (Bamroli) FP No. 54, R1 in South Zone (Udhna), Surat	Surat Municipal Corporation, (South Zone Udhna), Surat	Dr C H Solanki Dr Y D Patil Dr G R Vesmawala	342,551	2017-18
69	Site visit & Field observations, Laboratory Testing Design of anchors to Connect the RCC wall of Base Mix Yard with the underlying hard strata	The Chief (Civil & Structural) Tata Steel Limited , Kalinganagar, Odhisha	Dr.Satyajit Patel Dr.C.H.Solanki Dr.S.R.Gandhi	72,000	2017-18
70	Technical Discussion and Recommendations For Ground Improvement Methods to be adopted for Adani Dhamra Project	Black & Veatch Pvt.Ltd ,Yerawada Pune-411006	Dr.Satyajit Patel Dr.C.H.Solanki Dr.S.R.Gandhi	44,106	2017-18
71	Vetting of Geotechnical Investigation Report	Executive Director Kutch Chemical Industries Limited	Dr.C.H.Solanki Dr.S.R.Gandhi	45,000	2017-18
72	Condition Assessment of Govt. Staff Quarters in Jurisdiction of Chikhli R & B Sub Division Dist Navsari (Govt Staff Colony Office Building are Lying at Chikhli & VANSDA Taluka of Navsari District	Dy. Executive Engineer Navsari (R & B) Division Navsari	Dr A K Desai Dr.C.H.Solanki	410,088	2017-18
73	For Checking of stability of Govt Staff Quarters Junathana at Navsari (Category-II Type 54 Qtrs Block A B C Each of 18 qtr G+2 Floor)	Dy. Executive Engineer Navsari (R & B) Division Navsari	Dr A K Desai Dr B Kondraivendhan	146,460	2017-18
74	Soil Investigation Report for (1) Circuit House,Athwalines	Dy, Executive Engineer Surat (R&B) B Division No.1, Surat	Dr C H Solanki Dr S J Shukla Dr Satyajit Patel Shri J B Patel Shri Shailedra Kumar	210,425	2017-18
75	Site visit and Sub soil Investigation Report (SBC) for constructing box culvert on Kundiyana distributory, Bhandut Minor & Barbodhan Minor Ex. Hazira Branch Canal (Culvert RD 4.00, Kundiyama, Bolx Culvert RD 14 at Bhandut, Culvert at RD 19.80 Barbodhan, Culvert 46.03, Culvert 57.36, Culvert 66.83	Dy. Ex. Engineer, Rander Irrigation Sub Division, Surat	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Shri Shailedra Kumar	240,840	2017-18
76	Stability Analysis of Embankment & Geo Membrane and Proof Checking of Secured Landfill at Jambusar Bharuch	Saurashtra Enviro Projects Private Limited Surat C/o SAFE Enviro Private Limited Surat	Dr Satyajit Patel Shri J B Patel	90,000	2017-18
77	Proof checking of structural drawing of proposed new hostel blocks building at Central University of Haryana (Mahendargh, Hr)	Executive Engineer, Central Public Works Department, CPWD, Mahendargh (Haryana)	Dr Y D Patil Dr G R Vesmawala	350,000	2017-18
78	Proof checking work for construction of ROB at LC-88 Jawai Bandh Balwana Bilaspur Road near Balwana	Strength Engineering Services Pvt Ltd, Jaipur	Dr G R Vesmawala Dr Y D Patil	118,644	2017-18
79	Proof checking of Structural modeling analysis Design Drawing : Provision of OTM Accn for Hospital Including external services at Along Military Station	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	83,913	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
80	Proof checking of structural design of structures "Construction of community Hall at Ordance Factory Estate Dhradun (Provision of 4 x 600 LT Air Conditioned Double Bunker Mazzines at NAD, Snebeda	Geo Designs & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	33,898	2017-18
81	Proof checking of ROB-6	Thoughts Consultants Jaipur PVt Ltd	Dr G R Vesmawala Dr Y D Patil	84,746	2017-18
82	Proof checking of ROB-6	Thoughts Consultants Jaipur PVt Ltd	Dr G R Vesmawala Dr Y D Patil	40,254	2017-18
83	Proof checking for Design and drawing of Railway Bridge in lieu of LC 156A (railway kn 130/9 to 131/10)	Thoughts Consultants Jaipur PVt Ltd	Dr G R Vesmawala Dr Y D Patil	84,746	2017-18
84	Proof checking for Design and drawing of Railway Bridge in lieu of LC 156A (railway kn 130/9 to 131/10)	Thoughts Consultants Jaipur PVt Ltd	Dr G R Vesmawala Dr Y D Patil	40,254	2017-18
85	Consultancy for the Guest Room for JCOS/ORS under (GE (South) Pin OTM ACCN a STN HQ Kolhapur under GE North	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	8,474	2017-18
86	Consultancy for the Guest Room for JCOS/ORS under (GE (South) Pin OTM ACCN a STN HQ Kolhapur under GE North	Geo Design & Research (P) Ltd	Dr G R Vesmawala Dr Y D Patil	8,474	2017-18
87	Proof checking of Bridge in the state of Odhisha in (High Level Bridge) project on River Mahandi in the state of Odhisha	Ajay Protech PVt Ltd	Dr A K Desai Dr C H Solanki Dr B Kondraivendan	86,956	2017-18
88	Construction of Hostel Building and Office Building of Valmi Campus of South West Athwa Zone housing Project TP – 4, FP – 133	Surat Municipal Corporation, (South West Zone, Athwa)	Dr A K Desai Dr C H Solanki	43,067	2017-18
89	Proof checking of Nirali Radiation Centre wall at Puna Kumbharia – Saroli	Shri Bhartimaiya Memorial Foundation	Dr A K Desai Dr C H Solanki	24,696	2017-18
90	Proof checking of Tower Structural Calculations of 30 mt Hight Mast Tower Located at Bahadurgarh	Bajaj Electricals	Dr A K Desai	35,000	2017-18
91	Proof checking of Bridge in the state of Odhisha in (High Level Bridge) project on River Mahandi in the state of Odhisha	Ajay Protech Pvt Ltd	Dr A K Desai Dr C H Solanki Dr B Kondraivendan	20,522	2017-18
92	Proof checking of Construction of Two lane ROB in lieu of Level Crossing No. 102 at IRCH 139/01 between Shri Madhopur and Ringus Station on Rwarri Phulera Section of Jaipur North west Railway Box Culvert (R K Associates)	Avadhoot Project Pvt Ltd	Dr A K Desai Dr C H Solanki	35,000	2017-18
93	NHAI-PIU-YTL-Balance work of four lanning from Km 94+000 to Km 123+000 of Nagpur- Hyderabad section of NH-7 in the state of Maharashtra – Civill Contract package No. NS-60 (MH) Bal.2: General Arrangement Drawing for Additional Proposed underpass at Ch. 113+120 for Proof Checking – Reg.	GHV India Pvt Ltd	Dr A K Desai Dr C H Solanki	90,000	2017-18
94	Consultancy Services For Detailed Project Report of High Level Bridges of Ring Road-2 (RUDA) at Chainage 8275 & 10052 m.	Delf Consulting Engineer (India) P.Ltd Ambawadi Ahmedabad	Dr A K Desai Dr C H Solanki	50,000	2017-18
95	Providing Proof Checking Consultancy For Providing of design and Drawing (Staging arrangement For Top Slab of Box Culvert) Project: Construction of Rub on Jaipur Sikar Line Near Bridge No.107 to Connect Anandlok and Swapn lok Jda Scheme	Shah Associates, Ahmedabad	Dr A K Desai Dr C H Solanki	25,000	2017-18

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96	Construction of 36 MLD Sewage Pumping Station (SPS) Pratap Nagar, Limbayat in South East Zone of SMC	Surat Municipal Corporation	Dr C D Modhera Dr. S.A. Vasanwala	36,269	2017-18
97	Primary School in Place of Old School Building at Unn gam (Design of various structures in South Zone, Udhna)	Surat Municipal Corporation, (South Zone, Udhna)	Dr S N Desai Dr A K Desai	130,284	2017-18
98	Proof checking	Jaydeep Agency Corporation	Dr S N Desai	20,000	2017-18
99	Proof checking of Tensile Fabric of Roof Structure for Gandhi Stadium-Ambikapur	Western Outdoor Structures Pvt	Prof A J Shah Dr A K Desai	9,699	2017-18
100	Providing proof checking consultancy services for Proof checking of structural designs and drawings including suggestions / remedial measures if any, for the work construction of 137 Lac liters Capacity of UGSR for augmentation of existing Althan water Distribution Station, Surat	Surat Municipal Corporation (Hydraulic Department)	Dr S N Desai Dr Y D Patil Dr G R Vesmawala	99,079	2017-18
101	Proof checking of design for the Construction of Police Bhavan At Lucknow	STUP Consultants Pvt Ltd	Dr A K Desai Prof A J Shah Dr C D Modhera	405,000	2017-18
102	Proof checking of design and drawings for proposed ROB at KM - EP1008/6-7 between station chankrauli-Trivedi Ganj Proposed Four Lane New Road Over ROB at KM-EP1008/6-7 at CH 43+740 NH - 56 For Nhai	Dilip Buildcon Ltd, Bhopal	Dr S N Desai Dr C H Solanki	337,500	2017-18
103	Proof checking of design and drawings for proposed ROB at KM Ch.00+89 on Ambala-Kaithal Section of Nh-65 at Railway KM 207/11-13 between Railway Station Dhulkot & Lairu on Ambala Kalka Section on Ambala Division	Dilip Buildcon Ltd, Bhopal	Dr S N Desai Dr C H Solanki	427,500	2017-18
104	Providing Proof Checking of Services For The Design of Boundary Wall For 100 Bed Hospital at Pitampur MP	Project Manager, UP Project Corporation Ltd, Ghaziabad	Dr A K Desai Dr C H Solanki	22,500	2017-18
105	Providing Proof Checking Consultancy Service of Structural Design of Respective Project : AHC Components	Siddhi Developer	Dr A K Desai Dr C H Solanki Dr S N Desai	180,000	2017-18
106	Third Party Independence Design audit of VUP at CH 239+050,251+465 and 263+445	Unique Construction	Dr Y D Patil Dr G R Vesmawala Dr C H Solanki	135,000	2017-18
107	Proof Checking of Structural Design for EWS -I EWS-II dwelling Unit under Smart City-Pradhan Mantri Awas Yojana(PMAY)	Executive Engineer, Slum Upgradation Department Surat Municipal Corporation Surat,	Dr.A.K.Desai Prof.A.J.Shah Dr C H Solanki Dr.S.N.Desai Dr.S.A.Vasanwala Dr.H.S.Patil Dr.C.D.Modhera Dr.Y.D.Patil Dr.D.B.Raijiwala Dr.G.R.Vesmawala	589,479	2017-18
108	Proof Checking of Structural Design for EWS -I EWS-II dwelling Unit under Smart City-Pradhan Mantri Awas Yojana(PMAY)	Executive Engineer, Slum Upgradation Department Surat Municipal Corporation Surat,	Dr.A.K.Desai Prof.A.J.Shah Dr C H Solanki Dr.S.N.Desai Dr.S.A.Vasanwala Dr.H.S.Patil Dr.C.D.Modhera Dr.Y.D.Patil Dr.D.B.Raijiwala Dr.G.R.Vesmawala	811,893	2017-18



Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
109	Vetting design and drawing of 30.5 m Flag mast At Rajasthan University of Health Sciences (RUHS) Jaipur & Maharaja Dayanad Saraswati University (Mdsu) Ajmer	Transrail Lighting Limited Fortune 2000 A/wing 5 Floor Bandra Kurla Complex Bandra (East) Mumbai-400051	Dr A K Desai	44,000	2017-18
110	Proof checking of composite girder	Executive Engineer (Design) western railway , Chrchgate, Mumbai Western Railway	Dr A K Desai Dr C H Solanki	120,000	2017-18
111	Proof checking of structural design and drawing of RCC Box by pushing method at Wandhiya Sub Branch Canal and Gogodar Sub Branch Canal Crossing National Highways at CH.10.158 km and 49.147 km	SCC Infrastructure Private Limited, Ahmedabad	Dr A K Desai Dr C H Solanki	16,948	2017-18
112	Proof Checking for Construction of top slab of underpass to connect the SMS hospital and Trauma Center (ITO) at Jaipur	Shri Ram Krupa Construction C/o Shah Associates, 1005,Sakar-V,Nr.Mithakali Rly.Crossing, Off Ashram Road,Ahmedabad-380009	Dr A K Desai Dr C H Solanki	25,000	2017-18
113	Proof checking of structural design for the construction of EWS housed being constructed under JnNURM-BSUP scheme (Package H-4, Pac-3,, Building No. 315, Dwelling unit 32, G+ 3	Executive Engineer, Slum Upgradation Department, SMC, Surat	Dr C H Solanki Dr Y D Patil	67,500	2017-18
114	OTM ACCM for 1st MED REGT of 98 ARTY BDE at Gandhidham	Geo Designs & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	50,848	2017-18
115	OTM ACCM for 1st MED REGT of 98 ARTY BDE at Gandhidham	Geo Designs & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	16,948	2017-18
116	Proof Checking of Fascade Structural and Joinery Details For Glazing Work in c/w Construction of CRCT Building at Multimodal Logistic Park (MMLP) at Khodiyar Ahmedabad	RITES Limited 320-325 Third Floor Sangath Mall Opp: Govt Engineering College Visat Gandhinagar Highway Chandkheda Ahmedabad	Dr Y D Patil Dr G R Vesmawala	36,000	2017-18
117	Proof Checking of Structural Design for EWS-II Dwelling units under Smart City-Pradhan Mantri Awas Yojana(PMAY)	Executive Engineer, Slum Upgradation Department, Surat Municipal Corporation, Surat	Dr.C.H.Solanki Dr.A.K.Desai Dr.A.J.Shah Dr.S.N.Desai Dr.S.A.Vasanwala Dr.H.S.patil Dr.C.D.Modhera Dr.G.R.Vesmawala Dr.Y.D.Patil Dr.D.B.rajiwala	720,781	2017-18
118	Providing proof checking consultancy services of design and drawing for the Construction of Boys Hostel at Khadra KGMU Campus, Lucknow	Mr. Jaywant Sawant, Principal Manager (Design), STUP Consultant, Plot No. 22-A, Sector 19-C, Palm Beach Marg, Vashi, Navi Mumbai, Mumbai - 400705	Dr A K Desai Dr C H Solanki Dr Y D Patil	148,500	2017-18
119	providing proof checking consultancy services of design and drawing for the Construction of Hostel for Nurses at Khadra and IDH Campus, Lucknow	Mr. Jaywant Sawant, Principal Manager (Design), STUP Consultant, Plot No. 22-A, Sector 19-C, Palm Beach Marg, Vashi, Navi Mumbai, Mumbai - 400705	Dr A K Desai Dr C H Solanki Dr G R Vesmawala	121,500	2017-18
120	Proof checking consultancy services for the construction of flyover bridge on Katargam Main Road, Surat	Executive Engineer, Bridge Cell, Surat Municipal Corporation, Surat	Dr A K Desai Dr S N Desai Dr H S Patil	181,734	2017-18

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121	Consultancy charges for Proof checking service for Structural Design & Drawing Project : Sendra	Ashish Gupta, CEO, Thoughts Consultants Jaipur Pvt Ltd., 1 DA 15, Jawahar Nagar, Jaipur – 302 004 (India)	Dr Y D Patil Dr G R Vesmawala Dr H S Patil	125,000	2017-18
122	Proof Checking of Design and Drawings For proposed ROB at Km Ch.05+362 on Ambala-Kaithal Section of NH-65 at Railway Km 272/19-22 Between Rly Stn.Ambala City & Shambhu on Ambala-Ludhiana Section of ambala Division Project: Four lanning of Ambala-Kaithal Section of NH-65 From 0.000 to 50.860 with Paved Shoulder under NHDP Phase-III in the State of Haryana on EPC Mode (Package-I)	Dilip Buildcon, Plot No.5, Inside Govind Narayan Singh Gate Chuna Bhatti, Kolar Road, Bhopal-462016 (MP)	Dr S N Desai DR D B Raijiwala Dr Satyajit Patel	247,500	2017-18
123	Proof checking of design and drawings for proposed ROB at CH 131+723 on Ghaghra Bridge Varanasi Section of NH-233 (Package I) Project: four Lining of Ghaghra Bridge to Varanasi Section of NH-233 from KM 121.800 to KM 180.420 from Ghaghra Bridge Abutment on Basti Side to Bhudanpur Urban Section in The State of Uttar Pradesh under NHDP Phase-IV	Dilip Buildcon Plot No.5, Inside Govind Narayan Singh Gate Chuna bhatti Kolar Road bhopal -462016 (MP)	Dr S N Desai	387,000	2017-18
124	Proof checking of Design (STG Deck Shuttering)	Bharat Heavy Electrical Ltd	Dr S N Desai Dr A K Desai	40,500	2017-18
125	Providing proof checking consultancy service for Construction of 21 Lacs lit. Capacity 24 Mtr. Starejing Height elevated service Reservoir at FP – 157, TP – 07 Anjana in South East Zone (Limbayat), Surat	Hydraulic Engineer, Hydraulic Department 3rd Floor, Dr Ambedkar Shopping Centre, Mandarwaja, Ring Road, Surat Municipal Corporation, Surat	Dr D B Raijiwala Dr Y D Patil	77,507	2017-18
126	Consultancy Charges For Proof Checking work of bridges culvert over River Nalla along indo pak Border in Jammu Section over Phag nallah shap Nallah Tarna River Bhaban Nallah and Bein Nallah	Stru KAD Consultant 20/A Bansidhar Society Narayan Nagar Paldi Ahmedbad-380007	Dr A K Desai Dr S A Vasanwala	286,525	2017-18
127	Proof checking of Design and Drawing of proposed Corporate Bhavan at Thaltej Ahmedabad	L J Purani & Associates Ahmedabad	Dr G R Vesmawala Prof A J Shah	90,000	2017-18
128	TPI- Construction of Pay & Use toilet block at under flyover at ambedkar slum (20 Under Magdumnagar flyover (3) Near Govindnagar (4) Shivaji Nagar, SEZ Limbayat	Executive Engineer, South East Zone (Limbayat) SMC, Surat	Prof A J Shah Dr Y D Patil Dr C H Solanki	108,000	2017-18
129	Consultancy charges for providing proof checking of design and drawing for the work of Construction of the Chief Conservator of Forest at Daman (Forest Department, DNH)	Executive Engineer, OI DC Ltd, Daman, Dadra and Nagar Haveli, Silvassa	Dr A K Desai Dr C H Solanki	90,000	2017-18
130	Proof Checking of Tower structural Calculation of 30 mt high mast tower located at Bahdurgarh	Bajaj Electrical Ltd	Dr A K Desai	35,000	2017-18
131	Vetting of design of Closed Conduit aqueduct Road Bridge Syphon Super Passages Culverts branch canal is 21 km in its firt each with 10.47 cumes discharges 4.40 m bed width & about 3.0m fsd+fb	Sungrace Engg project Pvt Ltd Pune NBCC (India) Limited VNIT Campus Nagpur-440010	Dr C D Modhera Dr S A Vasanwala Dr J N Patel	180,000	2017-18
132	Structural Modelling Analysis Design Drawing and Following work under Chief Engineer Air force Palam, STN Patalia Chandigarh Faridabad Amrutsar	Geo Designs & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	43,411	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
133	(1) Consultancy Services For Architectural Design & Drgs For Provn of Adm Complex at Afs Dadri (2) Job Order For Consultancy Services For Provn of Dsc Mess And Single Living Accn At Af Stn Ambala (3) .Consutancy Services For Architectural Desigh And Drawings For Provn of Deficient Married Accn For Dsc at Vsv Gurgaon (4) .Consultancy Services For Works Services For Deficient Dd Accn For Dsc Personnel At Afs Stn Arajangarh. (5) .Job Order For Consultancy Services For Structural Design of Structures Construction of 12 Nos Type-II Qtrs For Dsc Personnel of Dsc Line At Fgk Kanpur.	Geo Designs & Research (P) Ltd, B -10 Krishna Industrial Estate Opp:BIDC Gorwa Vadodara-39016	Dr Y D Patil Dr G R Vesmawala	125,424	2017-18
134	Professional Advice and guidance on the structural modeling analysis and design drawing under Chief Engineer, Army, Bareilly Zone	Geo Design & Research (P) LTd	Dr Y D Patil Dr G R Vesmawala	83,898	2017-18
135	Professional Advice and guidance on the structural modeling, analysis, design, drawings and following works under chief engineer air force Palam, chief engineer, navi visakhapatnama & GE (1) R & D Raipur Road Dehradun	Geo designs & Research (P) Ltd.Vadodara	Dr Y D Patil Dr G R Vesmawala	67,796	2017-18
136	Works under chief Engineer, Airforce Palam	Geo Design & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	42,026	2017-18
137	Proof checking work for construction of 2 Lane of ROB at km 166/260 on NH-65of Nagpur-Jodhpur section at Railway Km Ch-585/0-1 in district Nagpur in the state of Rajasthan	Strength Engineering Services Pvt. Ltd. H/-50/448 Pratap Nagar, Sanganer Tonk Road,Jaipur-302033	Dr Y D Patil Dr G R Vesmawala	50,848	2017-18
138	(1)Professional Advice and Guidance on the structural modelling, Analysis, Design, Drawings and following works under Chief Director General Naval Project Mumbai(Mankhurd Mumbai) (2)Professional Advice and Guidance on the structural modelling, Analysis, Design, Drawings and following works under Commander Works Engineering Air Force, Ahmedabad	Geo Designs & Research(P) Ltd,Vadodara	Dr Y D Patil Dr G R Vesmawala	31,780	2017-18
139	(1)Professional Advice and Guidance on the structural modelling, Analysis, Design, Drawings and following works under Chief Diector General Naval Project Mumbai(Mankhurd Mumbai) (2)Professional Advice and Guidance on the structural modelling, Analysis, Design, Drawings and following works under Commander Works Engineering Air Force, Ahmedabad	Geo Designs & Research(P) Ltd,Vadodara	Dr Y D Patil Dr G R Vesmawala	7,628	2017-18
140	Proof checking of design & drawings for doubling of various bridge of Existing Railway line between katni-singrauli-261 Km long of west centre railway	Geo Designs & Research (P) Ltd Vadodara	Dr Y D Patil Dr G R Vesmawala	36,950	2017-18
141	Provision of Station officer Institute at Meerut & 11 JCO Single men Barrack at Guwahati	Geo Designs & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	26,694	2017-18
142	Construction of new assembly and testing building for OE of BMP Vehicles at OFMH	Geo Designs & Research (P) Ltd	Dr Y D Patil Dr G R Vesmawala	31,780	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
143	Extension Work order to additional bridge for third party independence design audit for the designs of bridges and structures with a span of 15 m or more ,including design of form works at Bidar Humanbad section of NH-50 in the state of karnataka (twin box cell culvert CH 77+918,2*10)	Elsamex Maintenance Service Limited 2 Floor GIFT one Building Gift City Gandhinagar-382355	Dr Y D Patil Dr G R Vesmawala Dr H S Patil	180,000	2017-18
144	Proof checking work for construction of 2 Lane of ROB and its approaches in lieu of Existing level crossing No.C-61 at km 165/550 on NH-89 in the state of Rajasthan on EPC Mode	Strength Engineering Services Pvt.Ltd. H/O-50/448 Pratap Nagar, Sanganer Tonk Road,Jaipur-302033,Rajasthan (India)	Dr Y D Patil Dr G R Vesmawala Dr H S Patil	144,068	2017-18
145	Proof checking of viaduct at CH. 160.360 (arrangement of 6/30.50 m IRS steel composite girder at CH. 160 .360 in connection with New B G line from Koderma to Ranchi	TPF Engineering PVt LTd, Mumbai	Dr Y D Patil Dr G R Vesmawala Dr H S Patil	72,000	2017-18
146	Providing proof checking consultancy services for design and drawing of tensile canopy at LGBI Airport, Guwahati (Assam) Name of work: Tensile membrane structure covering canopy in front of terminal buildings at LGBI, Airport, Guwahati (Assam)	Western Outdoor structures Pvt Ltd., Thane	Dr A K Desai Dr S A Vasanwala	14,949	2017-18
147	Structural Proof check of Cargo Complex at Surat Airport, Surat	Tirupati construction C/o Asstt. General Manager (E-C)-I, AAI, Surat Airport, Surat	Dr A K Desai Dr S N Desai	70,000	2017-18
148	Proof checking of Design for construction of bridge across mithi khadi for millennium textile market-4,Surat	Shanti Residencies Pvt Ltd.,Surat C/o CASAD Consultants,Ahmedabad	Dr A K Desai Dr S R Suryawanshi	84,001	2017-18
149	Proof checking of reinforced soil wall designs for Jaisalmer project	Best Geotechnics Pvt.Ltd.	Dr A K Desai Dr S J Shukla	42,373	2017-18
150	Proof checking of Design and drawing of Sub structure four bridges No.1167/1 in connection with jBina-Katni Third Line Project in West Central Railway	MEHROTRA BUILDCON PVT LTD 9,Industrial Estate,Rew Road,Satna(MP) 485001	Dr A K Desai Dr Y D Patil	58,500	2017-18
151	Proof checking of drawing major/Important Bridge (1) No.1040/1 (3 X 30.5+1 X 61 m open web girder,(2) 1046/1 (3 X 12.2m composite girder) (3)1024/1 (3 X 12.2m composite Girder construction of major /important between Malkhedi to Lidhora Khurd (From km 979 to 1063) in connection with 3rd between BINA-KATNI	Trishul construction, E--7/60,Area colony,Bhopal (MP)	Dr A K Desai Dr S R Suryawanshi	195,000	2017-18
152	Proof checking of car parking shed for ONGC, Hazira	N R Patel	Dr S N Desai	25,000	2017-18
153	Proof checking for structural design for the construction of ATC Tower-cum-Technical block-fire station at Diu, Airport	Asst. General Manager (Engg-C),Airport authority of India,Diu, Airport,Diu (shanti structures Pvt.Ltd,Rajkot)	Dr C D Modhera Dr S A Vasanwala	54,000	2017-18
154	Proof checking of design for the construction of magnrol fishery harbor phase (part-C) onshor structures	Executive Engineer (C) gujarat maritime board,veraval	Dr B Kondraivendhan Dr Satyajit Patel Dr C H Solanki	67,500	2017-18
155	Proof checking for pile foundation design for transmission line tower type DQC + 9m, location nos. 26/1 and 27/1 at transmission line name of 400 kv D/C Barh-Gorakhpur Line	Nilesh Shah, Consulting civil Engineer, Nanpura, Surat	Dr C H Solanki	25,424	2017-18

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156	Third party proof checking and opinion on the methodology for the construction of steel bridges under DECCIL across Mahi near vadodara and across Sabarmati near, Ahmedabad	JEE engineering corporation, Vadodara	Dr A K Desai Dr C H Solanki	72,000	2017-18
157	RCC Under Ground Tank for Surat Airport	Siddhi Construction, Nanpura, Surat	Dr A K Desai	35,000	2017-18
158	Proof checking of Hospital Building including basement near Vesu Surat	Nilkanth Reality	Dr A K Desai Dr C H Solanki Dr S N Desai Dr H S Patil	212,712	2017-18
159	Providing Consultancy service for proof checking of structural designs and drawings including suggestions/remedial measures if any, for construction of 2 Nos. RCC UGSR with Booster House and 6 Nos. of RCC ESR in 24x7 water supply under smart city Mission area at East and South East Zone.	Surat Municipal Corporation (Surat Smart city Development, Hydraulic Department)	Dr Y D Patil Dr G R Vesmawala Dr C H Solanki	597,079	2017-18
160	Providing Proof Checking Consultancy Service of Structural Design of Respective Project : AHC Components	Siddhi Developer	Dr S N Desai Dr A K Desai Dr C H Solanki	585,000	2017-18
161	Site visit & Field observation & recommendation for light house work at Valsad	Director, Light House & Lightships, Mumbai	Dr C H Solanki Dr S R Gandhi Dr Satyajit Patel	88,200	2017-18
162	Consultancy charge for liquefaction probability studies at 750 mw CCPP site Meghanaghat, Naragunj, Dist – Dhaka, Bangladesh	SKP Project Pvt Ltd, Vadodara	Dr C H Solanki Dr S R Gandhi Dr Satyajit Patel Shri J B Patel	45,000	2017-18
163	Condition Assessment	Arjav Flats Owner Associations, Surat	Dr A K Desai Dr B Kondraivendhan	25,000	2017-18
164	Condition Assessment	Shantikunj Co-op Housing Service Society	Dr A K Desai Dr G R Vesmawala	95,000	2017-18
165	Condition Assessment of Fisheries Building complex, Hostel Building at Umargam, Vapi	Ex. Engineer, Valsad (R & B) Div, Valsad	Dr C H Solanki Dr A K Desai	47,334	2017-18
166	Condition Assessment	Shubham Apartment Ltd	Dr A K Desai Dr B Kondraivendhan	46,000	2017-18
167	Condition Assessment	Arjav Flats Owner Associations, Surat	Dr A K Desai Dr B Kondraivendhan	90,000	2017-18
168	Condition Assessment CBD Building, Belapur, Navi Mumbai	Indian Institution of Industrial Engineering, Navi Mumbai	Dr A K Desai Dr B Kondraivendhan	31,050	2017-18
169	Condition Assessment work for the quarters building of Gujarat housing board at Bharuch, Ta- Vaghra (19 Blocks)	Executive Engineer, Bharuch (R & B) Div, Bharuch	Dr G R Vesmawala Dr Y D Patil Dr C H Solanki	150,075	2017-18
170	Condition Assessment (Structural design check of existing domes & structural stability, Plot – 34, Amatgamata survey no. 142, Galpadar	Gandhidham Development Authority, Kutchh	Dr A M Parghi Dr B Kondraivendhan	34,500	2017-18
171	Condition Assessment of factory building at Saanika Industries Pvt Ltd at Trakeswar Block – 1053	Saanika Industries Pvt Ltd	Dr S N Desai	68,250	2017-18
172	Opinion (stability) for putting sign board (Hoarding) On Krishna Textile Market building at Ring Road, Surat	Shah Publicity C/o Krishna Textile Mkt	Prof A J Shah Dr S N Desai	31,500	2017-18
173	Condition Assessment	Ratankunj Apartment Co-Op HSG Soc Ltd	Dr A K Desai Dr D B Rajiwala	50,000	2017-18
174	Condition Assessment of Vesu School Building	Hills High School	Dr C H Solanki Dr Y D Patil Dr G R Vesmawala	90,000	2017-18
175	Condition Assessment of Vesu School Building	Hills High School	Dr C H Solanki Dr Y D Patil Dr G R Vesmawala	4,500	2017-18

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176	NDT of Column & Pardi	Triumph Construction Services	Dr A K Desai Dr B Kondraivendhan	28,750	2017-18
177	Condition Assessment	Shailja Tex Prints Pvt Ltd	Dr A K Desai Dr B Kondraivendhan	46,000	2017-18
178	Condition Assessment (Structural design check of existing domes & structural stability, Plot - 34, Amatgamata survey no. 142, Galpadar	Gandhidham Development Authority, Kutchh	Dr A M Parghi Dr B Kondraivendhan	316,250	2017-18
179	To suggest the procedure / methodology for repair (Repairing of fire station building at Man darwaja (TP-7) Anjana	Surat Municipal Corporation Surat	Dr Y D Patil Dr G R Vesmawala	158,872	2017-18
180	Condition Assessment	Ratankunj Apartment Co-Op HSG Soc Ltd	Dr A K Desai Dr D B Rajjiwala	65,000	2017-18
181	Soil Investigation Report for Construction of Staff Quarters Cat-A, B,D at Navsari, pandesara and at Athwalines	Executive Engineer, R & B Div-1, Surat	Dr C H Solanki Dr S. Patel Shri J B Patel Dr S Kumar Dr S J Shukla	599,170	2017-18
182	Expert opinion on periodic basis for the civil construction work of high level bridge parallel to kota barrage	Vijay M Mistry	Prof A J Shah Dr Rakesh Kumar Dr A K Desai	376,125	2017-18
183	(Visit in the month of January, February & March)				
184	Condition Assessment Report of Govt. School Building Situated in the area of Diu	M D Gohil I/c Executive Engineer District Panchayat , Diu	Prof A J Shah Dr C D Modhera	409,055	2017-18
185	Offer of the examination of the General Ward Building and Operation theatre in New Civil Hospital @ Surat for structural stability and quality assurance work	Superintending Engineer, Project Implementation Unit (Zone-7), E-1, Professor Quarters, New Civil Hospital, Majura Gate, Surat (PIU, GANDHINAGAR)	Dr A K Desai Dr C D Modhera	185,850	2017-18
186	Examining TV Tower for general maintenance & repairs at Ambajogai and Pune	Ex. Engineer, (Civil) CCW, Air, Pune	Dr C D Modhera Prof A J Shah Dr Y D Patil Dr G R Vesmawala	755,000	2017-18
187	Examining TV Tower for general maintenance & repairs at Nagpur	Ex. Engineer, (Civil) CCW, Air, Pune	Dr C D Modhera Prof A J Shah Dr Y D Patil Dr G R Vesmawala	380,000	2017-18
188	Examining TV Tower for general maintenance & repairs at Jagdalpur	Ex. Engineer, Civil Construction Wing, All India Radio, Prashar Bharti, Vadodara	Dr C D Modhera Prof A J Shah Dr Y D Patil Dr G R Vesmawala	281,250	2017-18
189	Examining TV Tower for General Maintenance & repairs at Panadhro (Bhuj-kutch)	Ex. Engineer (Civil), Civil Construction wing, All India Radio	Dr G R Vesmawala Dr H S Patil Dr Y D Patil	187,500	2017-18
190	Strengthening of existing TV towers at 4 locations (Allhabad, Agra, Mussorie & Jammu	Additional D G Engg, PRashar Bharti (India Public Service Broadcaster), All India Radio, Doordarshan, New Delhi	Dr G R Vesmawala Dr H S Patil Dr Y D Patil	1,504,927	2017-18
191	Soil Investigation with SBC Report for Construction of New Building for ITI at Kamrej	Executive Engineer, Surat (R & B) Div No.2, Surat	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	166,200	2017-18
192	Soil Investigation with SBC Report to Construction of 2 Doctor ESI Dispensaries at Surendranagar	Project Manager, UP Project Corporation Ltd Ghaziabad	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	106,200	2017-18
193	Soil Test and SBC Report for Boundary wall for ESI at Pitampur (MP)	Project Manager U P Project Corporation Ltd, Gaziabad	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	75,060	2017-18
194	Stability of Embankment & Geomembrane for sanitary Landfill cell at Mumbai	Saurashtra Enviro Projects Pvt Ltd	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	135,000	2017-18
195	Ukai Left Bank Canal High Level Soil Investigation with SBC	Ex. Engineer, Ukai, Div-1,	Dr C H Solanki Dr Satyajit Patel	482,800	2017-18

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			Shri J B Patel Dr Shailendra Kumar		
196	BBD and CBR Test Report for widening and strengthening Ota Road km 8/4 to 57/075, Dist – Vapi	Executive Engineer, Tapi (R & B), Dn, Vyara	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr Shailendra Kumar	340,725	2017-18
197	Third party Inspection for River Protection work (250 mt) at Village Balota	Birla Cellulosic Ltd, Kharach, Kosamba	Dr A K Desai Dr Satyajit Patel Dr Shailendra Kumar	135,000	2017-18
198	Soil Investigation with SBC Report for construction of Low Income Groul (LIG) Houses at Surat Survey No. 1/60	Gujarat Housing Board, Gandhinagar	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr Shailendra Kumar Dr S J Shukla	350,000	2017-18
199	Geotechnical Investigation and design parameters for pile foundation for the construction of Railway Over Bridge on Level Crossing No. 66 on Mumubai –Ahmedabad BG Like at Umargam	Dy. Executive Engineer, Vapi (R & B), Sub Division, Vapi	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	1,402,200	2017-18
200	Soil Investigation Report for Construction of one workshop and three class rooms building at ITI, Ahwa, Dist – Dang	Executive Engineer, Dang (R & B) Div, Ahwa	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr Shailendra Kumar	66,021	2017-18
201	Soil testing and SBC Report for bridge on Dhindoli Kharwasa Road	Executive Engineer, R & B Div-1, Surat	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr Shailendra Kumar	187,557	2017-18
202	Soil consultancy & SBC Report for Girls Hostel at Vankal	Executive Engineer, Surat (R & B) Div, Surat	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr Shailendra Kumar	215,050	2017-18
203	Soil Testing with SBC Report for Building at Ahwa	Executive Engineer, Dang (R & B) Div, Ahwa	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr Shailendra Kumar	133,319	2017-18
204	Detailed Engineering planning and design consultancy services for provision of OTM Accn for Hospital Including external services of Along Military station	Geo designs & Research (P) Ltd	Dr Satyajit Patel Shri J B Patel	42,373	2017-18
205	Technical discussion and meeting for preliminary Geotechnical borehole data	Larsen & Turbo Limited Bhopal	Dr S R Gandhi Dr C H Solanki Dr Satyajit Patel	44,826	2017-18
206	Site visit to Khargone intake for opinion	Larsen & Turbo Limited	Dr S R Gandhi	45,000	2017-18
207	SBC Report and Design of sea protection works at Luhara Light House, Dahej	Directorate of Lighthouse & Lightships	Dr Satyajit Patel Dr S Kumar Shri J B Patel Dr P V Timbadiya	198,800	2017-18
208	Vertical Pile Load Test and Lateral Load test at Arnala Light House site	Directorate of Lighthouse & Lightships	Dr C H Solanki Dr Satyajit Patel Dr S R Gandhi	45,024	2017-18
209	Soil Investigation Report for hard Strata sample collected From 45 m height RCC Light tower at Arnala Light House Station Review Site Visits	Director, DTE of Light house and Lightships, Mumbai	Dr S R Gandhi Dr C H Solanki Dr Satyajit Patel	147,000	2017-18
210	Khargone Project recommendation	Larsen & Turbo Limited Bhopal	Dr S R Gandhi Dr C H Solanki Dr A K Desai Dr S N Desai	54,000	2017-18
211	Condition Assessment of AG Colony Rajkot building & Income Tax Colony, Rajkot	Rajkot Central Division, Rajkot	Dr C D Modhera Dr S N Desai Dr A M Parghi Dr C H Solanki	373,913	2017-18
212	Condition Assessment of AG Colony Rajkot building & Income Tax Colony, Rajkot	Rajkot Central Division, Rajkot	Dr C D Modhera Dr S N Desai Dr A M Parghi Dr C H Solanki	326,087	2017-18

Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
213	TPI Widening & construction of Bridge both up and down stream site km 9/650 kumbhariya Khadi on Six Lanning with Service Road Surat Kadodara – 8/4 to 17/4	Executive Engineer, Surat (R & B), Div-1, Surat	Dr C D Modhera Dr S N Desai Prof A J Shah	58,045	2017-18
214	Condition Assessment of staff quarters at Khatodara (Block, A, B, C,D, G	Executive Engineer, Surat (R & B), Div-1, Surat	Dr A K Desai Dr C H Solanki	190,000	2017-18
215	Condition Assessment of Existing Old Building of Girls Polytechnic	Executive Engineer, R & B Div-1, Surat	Dr D B Raijiwala Dr B K Vendhan Dr A M Parghi	152,000	2017-18
216	Visual Inspection and Condition Assessment of Residential Quarters Block – 23, Khatodara Industrial Estate	Executive Engineer, GIDC, Surat	Dr Y D Patil Dr C H Solanki Dr G R Vesmawala	39,200	2017-18
217	Condition Assessment of Industrial Building at Plot No.A/4/4 To 6, Road No.3 Central Road, Udhna Surat	Madhuben N Patel	Dr A K Desai Dr B Kondraivendhan	35,000	2017-18
218	Type Test observations in Guragaon Factory Site of 18 M Mobile Tower Lighting tower	Akshyay Patra Equipment Pvt Ltd	Dr A K Desai Dr Rakesh Kumar	34,500	
219	Condition Assessment	River Queen Co-op HSG Soc Ltd	Dr A K Desai Dr D B Raijiwala	60,000	2017-18
220	Old Civil Structure at Port Veraval Block, J K and Bar Bunglows in Port Colony & Trapa wharf bridge	Executive Engineer, Port Construction, Dn, GMB, Veraval Port	Dr C D Modhera Prof A J Shah	79,650	2017-18
221	TPI, Kasez Gandhidham	NBCC (India) Ltd	Dr C D Modhera Dr S A Vasanwala	270,000	2017-18
222	Condition Assessment of Old Building at D R S & SS Gandhi College (Diploma) Campus, Main Building, Bariya Hall, Mech. Building, Canteen, Txtile, Workshop etc	Executive Engineer (R & B), Div-1, Surat	Dr C D Modhera Dr G R Vesmawala Dr B Kondraivendhan	261,250	2017-18
223	Soil Investigation and SBC Report for Construction of Second Floor on Civil Engineering Department for Environmental Deptt at Govt Engg College, Surat	Executive Engineer (R & B), Div-1, Surat	Dr S J Shukla Dr Shailendra Kumar	45,980	2017-18
224	Consultancy Charges for Providing Proof Checking Consultancy Service of design and drawing for the construction of Kidney hospital at Surat Total fees- 2157178 with ST Received 1 <sup>st</sup> Installment Rs. 1078589 (50%) after deducting TDS Rs. 107859, Net Payment received Rs. 970730.00	Executive Engineer, Project Implementation Unit,(Zone-7) New Civil Hospital Compound Majura Gate Surat.	Dr H S Patil Dr C H Solanki Prof A J Shah Dr Y D Patil Dr G R Vesmawala	830,044	2017-18
225	Expert opinion on periodic basis for the civil construction work of high level bridge parallel to kota barrage	Vijay M Mistry	Prof A J Shah Dr Rakesh Kumar Dr A K Desai	224,600	2017-18
226	Condition assessment of Port Beam( Already strengthened )PP-14 Ahmedabad Metro Based on UPV and NDT Result	J. Kumar Infraprojects Ltd, Ahmedabad	Dr A K Desai Dr B Kondraivendhan	40,500	2017-18
227	Condition Assessment of Alishan Awas Apartment	Alishan Awas Maintenance Fund	Dr C D Modhera Dr S N Desai	110,000	2017-18
228	Visual Inspection and condition assessment of Minor Bridge at Village Bigri Dholai joining coastal highway road ch. 0/80 to 1/00	District Panchayat Navsari	Dr D B Raijiwala Dr B Kondraivendan	53,100	2017-18
229	Condition Assessment of Panchvati Apartment building	Panchvati Service Society	Dr S N Desai Dr G R Vesmawala	125,000	2017-18
230	Condition Assessment of Civil Engg Department Building at Gandhi Engg College (Diplom) Majura Gate, Surat	Executive Engineer, (R B) Div-1, Surat &	Dr C D Modhera Dr S N Desai Dr A K Desai	28,500	2017-18
231	Condition Assessment of Category E Category D Quarters in campus of & Judge Colony, Sudraram @ Nanpura Surat Block A & Block – B		Dr A K Desai Dr C H Solanki	76,000	2017-18



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232	Visual Inspection and Condition Assessment for minor bridge at Chikhli, Ta- Rumla Agasi, Godthal Ghodwani Mandav Khadak Road Minor District Road, Ta- Chikhli, between 6/4 to 6/6	Ex. Engineer, Dist. Panchayat(R & B Navsari	Dr D B Raijiwala	53,100	2017-18
233	Condition Assessment	Sureshchandra Jagirdar	Dr A K Desai Dr B Kondraivendhan	25,000	2017-18
234	Pile Load Test 1500 mm construction of fly over bridge at Amroli Junction and cross road junction in Surat city on EPC Basis	Surat Municipal Corporation, (Bridge Cell)	Dr Y D Patil Dr G R Vesmawala Dr C D Modhera	70,800	2017-18
235	Condition Assessment of Staff Quarters Khatodara Building 1 and 2	Surat Municipal Corporation, Surat	Dr S N Desai Prof A J Shah	35,420	2017-18
236	NDT For under Construction Building	Pratap Construction	Dr A K Desai Dr B Kondraivendhan	40,000	2017-18
237	ITI Administrative Building, Majuragate, Surat	Executive Engineer, R & B Dn No.1, Surat	Dr A K Desai	76,000	2017-18
238	R & B Staff Quarters Block A & B, at Nanpura, Surat IT) – 10500 (ST) (3500 - 77000	Executive Engineer, R & B Dn No.1, Surat	Dr A K Desai Dr C H Solanki	66,500	2017-18
239	Condition Assessment	Prince Park Apartment	Dr A K Desai Dr C H Solanki	35,000	2017-18
240	Condition Assessment of Sambhav Corporation Building	Venus Publicity (Sambhav Corporation)	Dr A K Desai Dr C H Solanki	35,000	2017-18
241	Condition Assessment of Valod Building	Executive Engineer, Tapi (R & B) Dn, Vyara	Dr A K Desai Dr C H Solanki Dr A K Desai Dr C H Solanki	76,110	2017-18
242	Consultancy charges for technical opinion based on site visit regarding GPD (equipment) addition in your existing layout	Birla Cellulosic, Kosamba		112,500	2017-18
243	Third Party Inspection That Includes weekly site visit Inspection of Construction materials being used such as Gabion,Geo Clay Liner, Non Woven geo Synthetic Fabric Bio Coir Rubble etc. and also Deployment of Full time engineer at Site	Birla Cellulosic (A Unit of Grasim Industries Ltd) Birladham Kharach, Kosamba R S Dist.- Bharuch (Gujarat) 394120	Dr A K Desai Dr Shailedra Kumar Dr Satyajit Patel Shri J B Patel	540,000	2017-18
244	Third Party Inspection That Includes weekly site visit Inspection of Construction materials being used such as Gabion,Geo Clay Liner, Non Woven geo Synthetic Fabric Bio Coir Rubble etc. and also Deployment of Full time engineer at Site	Birla Cellulosic (A Unit of Grasim Industries Ltd) Birladham Kharach, Kosamba R S Dist.- Bharuch (Gujarat) 394120	Dr A K Desai Dr Shailedra Kumar Dr Satyajit Patel Shri J B Patel	675,000	2017-18
245	(1).Cross Verification of Top Level of Embankment (2) Length & Width of Embankment (3) .Volume of Earthworks ( Pre and Post Breach) ( 4) .Physical Measurements of PCC Lining (5).Cross Verification of PCC Thickness (6) .Quality of work Executed.(7) .Suggest Deduction if any from Contractors bill	Birla Cellulosic (A Unit of Grasim Industries Ltd) Birladham Kharach, Kosamba R S Dist.- Bharuch (Gujarat) 394120	Dr A K Desai Dr Shailedra Kumar Shri J B Patel	247,500	2017-18
246	Third Party Inspection and report submission after job completion and deployment of experienced engineer for day basis monitoring	Birla Cellulosic (A Unit of Grasim Industries Ltd) Birladham Kharach, Kosamba R S Dist.- Bharuch (Gujarat) 394120	Dr A K Desai Dr Shailedra Kumar Dr Satyajit Patel	67,500	2017-18
247	Structural Stability work (Condition Assessment work) of Hostel, Transportation Lab, Molding Lab, Warden Quarters, Workshop Mechanical Lab, Automobile Lab With Garrage, Class Room For Auto Category -18 unit quarters at S S Gandhi College campus	Dy Executive Engineer Surat (R & B) Sub Division No.1 Surat	Dr A K Desai Dr C H Solanki	215,600	2017-18

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248	Consultancy Charges For Building Structural Report (1) Rest House and out House at Saputara (2) Staff Quarters Vaghbari Colony at Saputara (3) Staff Quarters Server Colony at Saputara	Dy. Executive Engineer Dang (R & B)( Division Ahwa	Dr A K Desai Dr C H Solanki	312,448	2017-18
249	Technical Assessment For Occupancy & Condition Regarding of New Construction of P H C Building Mankunia Ta-Vansda Dist-Navsari	Superintending Engineer PIU (Zone-7) Surat	Dr A K Desai Dr C H Solanki	57,330	2017-18
250	Checking of stability of ITI Bilimora, Dist-Navsari	Dy. Executive Engineer, Navsari (R & B) Division, Navsari	Dr A K Desai Dr C H Solanki	572,170	2017-18
251	Site visit & Field observations, Laboratory Testing Design of anchors to Connect the RCC wall of Base Mix Yard with the underlying hard strata	The Chief (Civil & Structural) Tata Steel Limited, Kalinganagar, Odhisha	Dr S R Gandhi Dr C H Solanki Dr Satyajit Patel	432,000	2017-18
252	Expert Opinion on The Yard area Improvement at Pradip Iron ore Terminal	Rashmi Ranjan Patra Vice President-Strategy & Planning JSW Infrastructure Limited JSW Centre Bandra Kurla Complex Bandra (East) Mumbai	Dr S R Gandhi Dr C H Solanki Dr Satyajit Patel	54,000	2017-18
253	Proof Checking of Bijapur-Gullbarga Raod Project on NH-218 (Geotechnical Investigation Report and Review)	Larsen & Tourbo Limited, Chennai	Dr S R Gandhi Dr C H Solanki Dr Satyajit Patel	144,000	2017-18
254	Suitability of Civil Foundation for wind Turbine of 150 MW installation in Kutch	Dy. General manager-Infrastructure Quality Inox Wind Limited Inox Tower 17,Sec 16A, Noida-201 301,UP,India	Dr S R Gandhi Dr C H Solanki Dr Satyajit Patel	135,000	2017-18
255	Third Party Inspection & Quality Assurance for the work of Construction of New Court Building At Vadodara (Providing Fixing and Arranging Furniture)	Executive Engineer, City, (R & B) Division, Vadoara	Prof .A. J. Shah Dr. C. H. Olanki Dr. A. A. Shaikh Dr. D. I. Lalwani	857,527	2017-18
256	Consultation for Rail foundation for transformer at JGPP NTPC	NTPC Limited, Jhanor	SND/CHS	20,000	2017-18
257	Condition Assessment fire damaged building of Mahavir Ceramic, Bardoli Road, Kabilpore, Navsari	Mahavir Ceramic, Bardoli Road, Kabilpore, Dist-Navsari	AKD/BKV	16,000	2017-18
258	Consultancy charges for Technical Opinion of Beam Element in Building of Mahima Heights-3,Situated near Chandani Chowk,piplod ,Surat	Sarthak Properties Private Limited. Sanjay Oil Mill Compound, Talod Road, Nandurbar-425412	SND/CDM	25,000	2017-18
259	Condition Assessment fire damaged building of Mahavir Ceramic,Bardoli Road,Kabilpore,Navsari	Mahavir Ceramic, Bardoli Road,Kabilpore, Dist-Navsari	AKD/BKV	16,000	2017-18
260	Visual Inspection as well as structural soundness of building at JNV Silvassa(UT & Dadra Nagar Haveli)	Dy. Commissioner ,Navodaya Vidyalaya samiti, Regional Office , Sheti Mahamandal Bhavan,(MSFC Ltd) 2nd floor,B-wing,270 Bhamburde , Ssnapti, Bapat Marg, Pune - 411016	BKV/SRS	50,000	2017-18
261	NDT Testing of Foundation at Kribhco Plant	Krishak Bharati Cooperative Limited Po-Kribhco Nagar Surat-394515(Guajrat)	SND	27,000	2017-18
262	Condition Assessment fire damaged building of Mahavir Ceramic,Bardoli Road,Kabilpore,Navsari	Mahavir Ceramic,Bardoli Road,Kabilpore,Dist-Navsari	AKD/BKV	8,000	2017-18

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263	Condition Assessment of Harekrishna Complex Building, at Citylight Road, Surat	Hare Krishna Corporation, B/h Agrasen Bhavan, Near Chandan Park, City Light Road, Surat	CDM/BKV	35,000	2017-18
264	NDT Testing of Foundation at Kribhco Plant	Krishak Bharati Cooperative Limited Po-Kribhco Nagar Surat-394515(Guajrat)	SND	9,000	2017-18
265	Stability of Unnati English Academy, Udhna	MURHUM Seth Dhanjisha Rustamji	YDP/GRV	11,746	2017-18
266	Stability of Unnati English Academy, Udhna	MURHUM Seth Dhanjisha Rustamji	YDP/GRV	59,322	2017-18
267	Stability of School Building	Madhav Education Trust Surat (Vishva Bharti Girls Inter School)	GRV/AKD	100,000	2017-18
268	Condition Assessment of School Building	Vatsalya School, Moti Daman	AKD/SRS	50,000	2017-18
269	Condition Assessment of Building	Nadim Multani Plot A 6/7 Udhna School Road Opp: Udhna Station Zero Road Surat	AKD/BKV	45,000	2017-18
270	Construction of 30 M Height Lighthouse Tower at Kelshi-Inspection of site-Reg.	Director, Directorate of Lighthouse & Lightships, Deep Bhavan, M. G. Road, Ghatkopar (East) Mumbai-400077, Tel:022-25068390	SND/CHS	147,000	2017-18
271	Condition Assessment of Building of Avon Cold Storage Private Limited, Pipodara, Surat	Avon Cold Storage Pvt Ltd, Block No 139, Plot A-11 & 12, Vishwakarma Society, Pipodara, Surat	SRS/BKV	150,000	2017-18
272	Core Testing	Hi Cone Infra	GRV/YDP	24,410	2017-18
273	Structural Audit and condition assessment of posting building (sector-7 dispensary)	Employees' state Insurance Corporation, Hospital & Medical College, NH-3 NIT, Faridabad	AKD/CHS	66,150	2017-18
274	Condition Assessment of Building (Ganesh Bhavan, Udhna Road No.5, Central Road Junction, Udhna Udhhyog Nagar Sangh, Surat)	Ondh Aabbas Salah	BKV/CHS	16,950	2017-18
275	Condition Assessment of Building Situated at Nad Farm Station Tanchha Dist Bharuch	Executive Engineer	AKD/CHS	50,000	2017-18
276	Condition Assessment of Building (Ganesh Bhavan, Udhna Road No.5, Central Road Junction, Udhna Udhhyog Nagar Sangh, Surat)	Ondh Aabbas Salah	BKV/CHS	16,950	2017-18
277	Condition Assessment of Building (Ganesh Bhavan, Udhna Road No.5, Central Road Junction, Udhna Udhhyog Nagar Sangh, Surat)	Ondh Aabbas Salah	BKV/CHS	11,102	2017-18
278	Testing of RCC Slab of General Hospital Casted on Dated 26.5.17 at TP-56 Bamroli FP N54 R1	Hi Cone Infra Executive Engineer South Zone (Udhna) Surat Municipal Corporation, Surat	AKD/YDP	45,000	2017-18
279	Visual Inspection and Condition Assessment Report of RCC Framed Structure of Donda Exports For Jitendrabhai N Donda Mira Nagar Mini Bazar Surat-6	Donda Exports Jitendrabhai N donda Mira Nagar Mini Bazar Surat-6	AKD/BKV	35,000	2017-18
280	Destructive & Non Destructive concrete testing	White Wings, Surat (Torrance, Vesu)	AKD/YDP	34,300	2017-18
281	Destructive & Non Destructive concrete testing	White Wings, Surat (Torrance, Vesu)	AKD/YDP	34,174	2017-18
282	Ultrasonic Pulse Velocity Test For Recarpeting Strengthening &	Airport Authority of India Surat Airport Project	SND/AJS	30,000	2017-18

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	Extension of Runway 04/22 at Surat Airport Surat	Surat			
283	Consultancy Services For Conduction Assessment of Existing Valmiki Bridge in Valod ta-Valod Dist-Tapi	Dy. Executive Engineer	DBR/CHS	52,920	2017-18
284	Condition assessment report of concrete structures (Provision of Essential works at Air Force Station, Deesa)	S K Traders 101, Vraj apt., opp. Police Head Quarters saru station Road, Jamnagar	CDM/BKV	35,000	2017-18
285	Visual Inspection and Condition Assessment of Aadarsh Nivashi Kumar Dharampur	Dy. Executive Engineer Valsad (R & B) Sub Division Valsad	CHS/DBR	50,000	2017-18
286	Witness of NDT Test	TRIUMPH Construction Services	AKD/BKV	10,000	2017-18
287	Third Party Inspection That Includes weekly site visit Inspection of Construction materials being used such as Gabion, Geo Clay Liner, Non Woven geo Synthetic Fabric Bio Coir Rubble etc. and also Deployment of Full time engineer at Site	Birla Cellulosic (A Unit of Grasim Industries Ltd) Birladham Kharach, Kosamba R S Dist.- Bharuch (Gujarat) 394120	AKD/SP/JBP/SK	135,000	2017-18
288	Load Test for Foot Over Bridge at Pal Near RTO & Y Junction Surat Dumas Road	Executive Engineer Traffic Cell, SMC, Surat	AKD/AJS	90,000	2017-18
289	Soil Investigation with SBC Report for proposed Construction of Box Culvert at Many locations	Executive Engineer, Drainage Division, Navsari	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	820,669	2017-18
290	Soil Investigation with SBC Report For Construction of Frozen Semen Station at Singhwai farm-Mangrol Dist-Surat	Dy. Executive Engineer, Mandavi (R & B) Sub Division Mandavi	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	419,000	2017-18
291	Soil Consultancy	SAFE Enviro Pvt Ltd	Dr Satyajit Patel Shri J B Patel	22,500	2017-18
292	Soil testing and SBC Report for (1) Construction of type-VI Quarters (G+4) for income tax dept. at arunoday society, Alkapuri, vadodara, Gujarat (2) Construction of javahar navodaya vidhyalaya (Dahod-II) at vil-palli, Talimkheda, Dahod	Assistant Engineer, BCSD, CPWD, Vadodara	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	111,500	2017-18
293	Soil testing and SBC Report for (1) Construction of type-VI Quarters (G+4) for income tax dept. at arunoday society, Alkapuri, vadodara, Gujarat (2) Construction of javahar navodaya vidhyalaya (Dahod-II) at vil-palli, Talimkheda, Dahod	Assistant Engineer, BCSD, CPWD, Vadodara	Dr C H Solanki Dr Satyajit Patel Shri J B Patel	317,000	2017-18
294	Soil Investigation Report For Piluda Distry CH.0 to 800m	Dy. Executive Engineer Sisodara Canl Sub Division Kosamba	Dr C H Solanki Dr Satyajit Patel Shri J B Patel Dr S R Gandhi	177,900	2017-18
295	Soil Investigation for the construction of Bridge of New Coastal Road connecting to Dandi in Jalapore, Tal Dist- Navsari	Executive Engineer, Panchayat (R & B), Navsari	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	237,534	2017-18
296	Benkelman Beam Deflection test and soil testing for Saraiya Bandharpada Temka Road & Dhuliya Road km 60/430 to 70/994	Executive Engineer, Tapi (R & B) Dn, Vyara	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	239,022	2017-18
297	1. Soil Testing and SBC Report For (1) Construction of Boys Hostel Building at Chandrapada Ta-Umarpada Dist Surat (2) Soil Testing and SBC Report For Construction of Girls Hostel Building at Gopaliy Ta-Umarpada Dist Surat	Dy. Executive Engineer, (R & B), Div-2, Surat	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	479,600	2017-18

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298	SBC Test at Construction of Common Pool Staff Quarters For Government Employee Category -B (12 Unit) and Category ©- 18 Unit Category-3-12 Unit at Vaghai	Executive Engineer, Dang (R & B) Division, Ahwa	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	307,900	2017-18
299	Testing the SBC and Other Soil Parameters at Chikhli	Dy. Executive Engineer, Chikhli Irrigation Sub Division, Chikhli	Dr C H Solanki Dr Satyajit Patel Dr S Kumar Shri J B Patel	83,752	2017-18
300	SBC recommendations at various depth of founding level (Net and Goss SBC values and recommendations for using reduced earth pressure co-efficient for retaining wall design	Larsen & Tourbo Limited Chennai	Dr C H Solanki Dr Satyajit Patel Dr S R Gandhi	117,000	2017-18
301	Ground Improvement works at Haldia Project	Prashant Paul ITD Cementation Ltd.	Dr Satyajit Patel Shri J B Patel Dr S R Gandhi Dr C H Solanki Dr S Kumar	288,000	2017-18
302	Strengthening of existing TV towers at 4 locations (Allhabad, Agra, Mussorie & Jammu	Additional D G Engg, PRashar Bharti (India Public Service Broad caster), All India Radio, Doordarshan, New Delhi	Dr G R Vesmawala Dr H S Patil Dr Y D Patil	25,66,780.00	2017-18
303	Structural stability of Govt. Building at Diu	Executive Engineer, PWD, Diu	Dr S N Desai Dr C D Modhera Prof A J Shah Dr A K Desai Dr Y D Patil Dr G R Vesmawala Dr M K Desai	889,030	2017-18
304	Technical Support in Geotechnical Engineering works such as foundation recommendations and other engineering input Project: construction of 20 Nos. Rehab building (3B+G+6P+60 to 64 floor) and other commercial and recreation building (G + 5) MADAH Naigaon	Larsen & Tourbo Limited, Chennai	Dr C H Solanki Dr Stayajit Patel Dr S R Gandhi	166,500	2017-18
305	Structural Audit and condition assessment of posting building (sector-7 dispensary)	Employees State Insurance Corporation, Faridabad	Dr A K Desai Dr C H Solanki	75,000	2017-18
306	(1) Consultancy for structural Design of departmental guesthouse at Hutbay(Little Andaman)in Andaman & Nicobar Islands. (592) (2) Preparation of Architectural & structural drawings/design for construction of a 30 mter height RCC tower with lift facility at Ravalpir Light House Station (593)	Directorae of Lighthouse and Lightships, Portablair	Dr A K Desai Dr C H Solanki	292,920	2017-18
307	Designing System for lift water from reservoir and carrying water to pump room and to pump room to new project green plant,Design of appropriate intel and outlet structures.	Birla Cellulosic Kosamba	Dr A K Desai Dr S M Yadav Shri J B Patel	165,375	2017-18
308	Site Visit Per Month basis : Regarding expert opinion on Periodic Basis for Civil Work of "Construction of High Level Bridge Parallel to Kota Barrage (Rajashthan)	Vijay M Mistry Construction Pvt Ltd, "Mistry House" 9, Preyas Society, Opp; Gulbai Tekra Police Chowki, Ambawadi, Ahmedabad	Prof A J Shah Dr A K Desai Dr Rakeshkumar	229,500	2017-18
309	Site Visit Per Month basis : Regarding expert opinion on Periodic Basis for Civil Work of "Construction of High Level Bridge Parallel to Kota Barrage (Rajashthan)	Vijay Mistry Construction Pvt Ltd	Prof A J Shah Dr A K Desai Dr Rakeshkumar	381,430	2017-18
310	TPI – Construction of compound wall at Asarma Sewage Treatment Plant	Surat Municipal Coporation, Surat	Dr G R Vesmawala	34,952	2017-18

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	and Pal-Palanpore Sewage Pumping Station of Drainage area	(Drainage)			
311	Condition Assessment	Pratham Apartment (B-Wing) Holders Association, Surat	Dr S N Desai Dr A K Desai	175,000	2017-18
312	Load Test for the bridge at Kakrapar Right Bank Main Canal RD. 69.143	K R B C Division, Surat	Dr A K Desai Shri J B Patel	100,000	2017-18
313	Condition Assessment of Type-3-B Quarters Building, Kosamba	Executive Engineer, URBC Dn, Ankleshwar	Dr S N Desai Dr C H Solanki	76,787	2017-18
314	Technical Report for clarifier structure having seepage problem at NTPC Gas Power Project, Kawas	NTPC Limited, Kawas Gas Power Project	Dr C D Modhera Dr Satyajit Patel	35,500	2017-18
				<b>62,671,114</b>	

### CIVIL ENGINEERING DEPARTMENT

Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
1	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	144,306	2017-18
2	Morphological Study of Tapi River Using Remote Sensing Technique	Central Water Commission Govt. Of India	Dr. P. L. Patel	1,692,000	2017-18
3	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	163,156	2017-18
4	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	1,029,000	2017-18
5	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	1,937,040	2017-18
6	Consultancy on junction improvement scheme in construction phase of Flyover for Ved Darwaja Junction, Surat.	Surat Municipal Corporation, Surat	Dr. S. S. Arkatkar	64,800	2017-18
7	Providing Consultancy for detailed engineering design for rigid and flexible pavements on both side of existing canal, R.C.C. conduit for existing canal road section etc and allied works from pal R.T.O. Junction to Amroli-Syan road (up to outer ring road) via linear park in west zone of Surat City.	Surat Municipal Corporation, Surat	Dr. G. J. Joshi	298,500	2017-18
8	Providing Consultancy for detailed engineering design for rigid and flexible pavements on either side of existing canal, Storm Water drainage network etc. and allied works from Anuvrat Dwar to Surat-Dumas road via G. D. Goenka School & From Sachin-Magdalla road (Mangalam Heights) to Jamanaba Park.	Surat Municipal Corporation, Surat	Dr. G. J. Joshi	258,000	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
9	Providing Consultancy Services for reviewing existing metal grouting design, suggesting new design and specification for different category roads within Surat Cit Limit.	Surat Municipal Corporation, Surat	Dr. G. J. Joshi	155,250	2017-18
10	Third Party Inspection (TPI) for the work of Carpet/Recarpet of 24.00mt and above 24.00mt wide roads with use of Threded Plastic Waste and without use of Plastic Waste in area of Surat City.	Surat Municipal Corporation, Surat	Shri. Amit J. Solanki	19,402	2017-18
11	Traffic Study for junction improvement scheme for Sahara Gate Junction, Surat.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	324,000	2017-18
12	Appointment as consultant for providing suggestion/advice on metal grouting.	Surat Municipal Corporation, Surat	Dr. G. J. Joshi	27,000	2017-18
13	Third Party Inspection (TPI) Services for the work of Construction of Primary School at T.P.S. No.47 (Bhestan) , R-6 in South Zone (Udhana).	Surat Municipal Corporation, Surat	Dr. Chetan R. Patel	80,850	2017-18
14	Proof Checking of the Structure Design Drawing for new Office at Supa sub divisional office.	Ambica Division, Navsari	Dr. Chetan R. Patel	35,400	2017-18
15	Third Party Inspection (TPI) Services for various type of Civil works at Dindoli Lake Garden, D.T.P.S. No.69 (Godadra-Dindoli), F. P. No.R-17, R. S. No.36 in South East (Limbayat) Zone.	Surat Municipal Corporation, Surat	Dr. Chetan R. Patel	114,920	2017-18
16	Proof Checking and Third Party Inspection (TPI) services for Construction of jetty on bank of river Tapi at Katargam water works.	Surat Municipal Corporation, Surat	Dr. Ravin M, Tailor	103,500	2017-18
17	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	48,835	2017-18
18	Providing and Laying RCC NP3/Np4 class drainage Line on Remaining Roads of TP 58,72 (Bamroli) and TP 71 (Vadod) and roads sanctioned under 205 in South Zone area Under SJMMSVY.	Surat Municipal Corporation, Surat	Dr. J. N. Patel	30,218	2017-18
19	Third Party Inspection (TPI) for the work of Providing, Laying & Constructing Storm Drainage line o connecting roads of T.P.S. No.18,24 and 25 (Mota Varachha-Utran) in East Zone.	Surat Municipal Corporation, Surat	Dr. J. N. Patel	24,189	2017-18
20	TPI of Construction of Cricket Pavilion.	Public Works Department, Diu	Dr. J. E. M. Macwan	167,837	2017-18
21	TPI of Construction of Jetty Opposite D.M.C.	Public Works Department, Diu	Dr. J. E. M. Macwan	178,879	2017-18
22	Construction of fishing platform from Kajimam to bunder jetty at Ghoghla-Diu.	Public Works Department, Diu	Dr. J. E. M. Macwan	1,091,433	2017-18
23	Consultancy Services for Preparation of Development Plan for Smart Villages under Surat District.	District Panchayat, Surat	Dr. J. E. M. Macwan	1,982,000	2017-18
24	'TPI for Construction of of RCC Compound wall at Variav Sewage Pumping Station-1 & 2 New North Zone, Surat'	Surat Municipal Corporation, Surat	Dr. J. E. M. Macwan	48,726	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
25	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	173,428	2017-18
26	Proof Consultancy Services for 'Construction of Sewerage System of Bhubaneswar Sewerage District-I on EPC Mode.'	Iron Triangle Limited	Dr. P. V. Timbadiya	874,800	2017-18
27	Proof Consultancy Services for Construction of Sewerage System of Bhubaneswar Sewerage District-II on EPC Mode.	Laxmi Construction, Ahmedabad (Maruti Construction Co.)	Dr. P. V. Timbadiya	486,000	2017-18
28	Providing Proof Checking of Hydraulic Design of Sewerage Project of Budhni (Dist. Sehore) of 32 Km. of Madhya Pradesh Urban Development Company Ltd. State of Madhya Pradesh. Reg. MPUDCL	P. Das Infrastructure, Ahmedabad	Dr. P. V. Timbadiya	70,800	2017-18
29	Providing Laying and constructing storm drainage R. C. C. pipes of 300mm to 900 mm dia, making inlet chambers and manhole at various areas of South West (Athwa) Zone.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	36,817	2017-18
30	TPI for Providing & Laying RCC NP3/NP4 class spigot and socket rubber ring joint pipes for sewerage Network augmentation of Anjana Sewage Pumping Station in South East Drainage Zone.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	40,905	2017-18
31	TPI for Providing & Laying Storm Drainage pipe line on different roads of T.P.S. No.-66 (Kosad) Under Package outlet-13 in New North Zone (Katargam) at Surat City.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	205,112	2017-18
32	TPI for the work of Providing, Laying & Constructing Storm Drainage line from Panvel Point to Golden Chowk, Mota Varachha in East Zone.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	91,858	2017-18
33	TPI & Monitoring for Integrated Water Management Plan for Naroli, Dadra and Samarvani Patelad.	PWD-III,DNH, Silvassa	Dr. S. M. Yadav	3,561,096	2017-18
34	Proof Checking and Redesigning of Rain Water Harvesting Service Including validaiton of cost for rain water harvesting system.	Birla Cellulosic Ltd.	Dr. S. M. Yadav	432,000	2017-18
35	Vetting of Civil foundation design, High Mast of Height 30 Mtr.	Anwasha Engineering & Projects Limited	Dr. S. M. Yadav	50,000	2017-18
36	TPI for the work of Providing & Laying Drainage main line from Navsari Bazar char Rasta to Salabatpura SPS in Central Zone.	Surat Municipal Corporation, Surat	Dr. V. L. Manekar	54,059	2017-18
37	Third Party Inspection (TPI) for the work of Providing, Laying & Constructing Strom Drainage line from Golden City to Sanskruti Residency, Mota Varachha in East Zone.	Surat Municipal Corporation, Surat	Dr. V. L. Manekar	62,602	2017-18
38	Providing TPI Services for Providing and Laying storm drain (pipe drain) from EWS Awas H1 to H5 in Kosad area of New N.Z. (Katargam) area of Surat City.	Surat Municipal Corporation, Surat	Dr. P. G. Agnihotri	70,617	2017-18



CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
39	Third Party Inspection and Monitoring for the Work of Construction of Approach Jetty at Nani Daman (2nd Call) (E-11065).	P.W.D., Daman	Dr. K. A. Chauhan	543,551	2017-18
40	Third Party Inspection and Monitoring for the Work of Construction of Girls Hostel Building at Dapada (Under Centrally Sponsored Scheme) (RMSA).	P.W.D., Daman	Dr. K. A. Chauhan	437,956	2017-18
41	Third Party Inspection and Monitoring for the Work of Construction of Transit Hostel at Silvassa.	P.W.D., Daman	Dr. K. A. Chauhan	538,527	2017-18
42	Providing Strom Water Drainage from Silvassa Naroli Road near Pramukh Darshan to Parmar Farm	Silvassa Municipal Council, Silvassa	Dr. K. A. Chauhan	544,097	2017-18
43	Construction of High Level Bridge at Karchond on Khanvel Dudhani road U. T. of Dadra & Nagar Haveli.	Silvassa Municipal Council, Silvassa	Dr. K. A. Chauhan	415,137	2017-18
44	Providing Footpath from Zanda Chowk to Amlchi Chowk to Secretariate Bhavan Road."	Silvassa Municipal Council, Silvassa	Dr. K. A. Chauhan	92,204	2017-18
45	Providing Footpath on Existing Drainage from Silvassa Bavisafalia."	Silvassa Municipal Council, Silvassa	Dr. K. A. Chauhan	51,284	2017-18
46	Up- gradation of CHC Khanvel up to 100 bedded Civil Hospital.	P.W.D., Silvassa	Dr. K. A. Chauhan	94,837	2017-18
47	Construction of Slum Housing Project under (ISHDP) at Piparia, Silvassa(Ambedkar Nagar).	OIDC of Daman & Diu and Dadra & Nagar Haveli Ltd., Silvassa	Dr. K. A. Chauhan	503,745	2017-18
48	Construction of High Level Bridge at Piparia Across River Piparia in the U. T. of Dadra & Nagar Haveli.	OIDC of Daman & Diu and Dadra & Nagar Haveli Ltd., Silvassa	Dr. K. A. Chauhan	117,379	2017-18
49	Construction of Advance Imaging Centre at Shri Vinobabhavve Civil Hospital, Silvassa.	OIDC of Daman & Diu and Dadra & Nagar Haveli Ltd., Silvassa	Dr. K. A. Chauhan	27,413	2017-18
50	Construction of Institute of Hotel Management & Catering Technology (Phase-II) at Karad, U. T of D&NH.	OIDC of Daman & Diu and Dadra & Nagar Haveli Ltd., Silvassa	Dr. K. A. Chauhan	62,138	2017-18
51	Construction of New Lekha Building for Accounts Department at Moti Daman. SH: Civil Works (2nd Call) (E-10996)	P.W.D., Daman	Dr. K. A. Chauhan	106,312	2017-18
52	Improvement of Road at Bharat, Silver and Supreme Industrial Estate at Bhimpore Nani Daman.	P.W.D., Daman	Dr. K. A. Chauhan	19,200	2017-18
53	Widening and Improvements of Other District Road from Shital Bar to Vankad Near Gujarat Border at Nani Daman.	P.W.D., Daman	Dr. K. A. Chauhan	15,366	2017-18
54	Conversion of 600mm Dia existing gravity main water supply pipeline between Kalaria Junction and shah Apartment, Varkund, Nani Daman.	P.W.D., Daman	Dr. K. A. Chauhan	40,782	2017-18
55	Regarding Consultancy Service for the Overlay Design and Proof Checking of Six Laning and Strengthening of Km.340.00 to 403.00 Haveri-Hubli Section of NH44 (Old No.NH4) in the state of Karnataka.	Vasuprada Consultants LLP.	Dr. Rakesh Kumar	378,000	2017-18
56	Regarding Proof Checking of Design and drawing of Construction of ROB and approach road including embankment at LC-1x, Gagariya Gudia Bypass line on Rangpur Road, Jaipur.	Shree Gautam Construction Company Limited	Dr. Rakesh Kumar	162,000	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
57	'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	855,667	2017-18
58	TPI for Upgradation of existing 120 MLD capacity Sewage Treatment Plant at Bhatar with necessary modification, repairing, replacement, addition and alteration and upgradation of existing 42 MLD capacity sewage treatment plant so as to achieve Tertiary treatment up to Biological Nutrient Removal with necessary modification, addition and alteration and conveying the tertiary treated sewage to Bamroli Tertiary Treatment Plant including construction, erection, testing and commissioning.	Surat Municipal Corporation, Surat	Dr. R. A. Christian	406,895	2017-18
59	Design, Construction, Testing & Commissioning of 120 MLD Capacity Water Treatment Plant on Turn-Key basis under SJMMSVY at Dindoli, Surat (IB) Zero Liquid Discharge System for 198 MLD capacity (10 MLD) WTP on Turn-Key basis under SJMMSVY at Dindoli, Surat.	Surat Municipal Corporation, Surat	Dr. R. A. Christian	215,017	2017-18
60	Providing TPI for Construction of 36 MLD Sewage Pumping Station at Pratapnagar, Limbayat in South East Drainage Zone.	Surat Municipal Corporation, Surat	Dr. K. D. Yadav	109,413	2017-18
61	TPI for Const. of Sewage Pumping Station on east side of Surat-Navsari Railway Track for Unn Sewerage Network at DTPS No.-59 (Unn) FP No.R-38 in South Zone Area.	Surat Municipal Corporation, Surat	Dr. K. D. Yadav	35,308	2017-18
62	Third Party Inspection (TPI) Services for the work of Augmentation of existing sewerage network by providing and laying drainage line of I.S.I. make R. C. C. NP3/NP4 pipe having Spigot and Socket Rubber ring joint including repairing of existing drainage manhole and/or removing of existing drainage line, transferring of existing drainage connection in Old KHATODARA SPS area, Surat.	Surat Municipal Corporation, Surat	Dr. K. D. Yadav	95,559	2017-18
63	Third Party Inspection (TPI) on Visit basis for the work of closure of Accumulated Waste & relevant infrastructure development works at khajod disposal site, surat under Swachh Bharat Mission.	Surat Municipal Corporation, Surat	Dr. K. D. Yadav	97,450	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
64	Third Party Inspection (TPI) on Visit basis for the work of Extension of Old Sanitary Landfill Cell No.1 at Khajod Disposal Site, Surat under Swachh Bharat Mission.	Surat Municipal Corporation, Surat	Dr. K. D. Yadav	95,461	2017-18
65	Due diligence of unauthorized hazardous waste site at Kharod.	Ankleshwar Industries Association	Dr. K. D. Yadav	29,500	2017-18
66	Adequacy Certificate for expansion of product Vinyl Sulphone & its derivatives, Benzene Sulphony Chloride etc.	Kutch Chemical Industries Ltd.	Dr. K. D. Yadav	236,000	2017-18
67	TPI for Construction of Multi Level Parking, Vegetable Market and Fruit Market at TPS No.18 (Katargam), FP 12 in North Zone (Katargam) area S.M.C.	Surat Municipal Corporation, Surat	Dr. B. N. Tandel	195,097	2017-18
68	TPI for Construction of Central Library by Additional/Alteration in existing North Zone office located at T.P. Scheme No.03 (Katargam), F.P. No.312/A in North Zone (Katargam) Area, Surat Municipal Corporation, Surat.	Surat Municipal Corporation, Surat	Dr. B. N. Tandel	43,117	2017-18
69	Consultancy for to carry out the adequacy of ETP plant in reference with CCA granted by GPCB.	JBF Industries Limited, Sarigam	Dr. B. N. Tandel	29,500	2017-18
70	Job Mix Design of Dense Asphaltic Concrete (DAC) for the work of Resurfacing of Runway 05/23 & Taxiways at S.V.P. I. Airport, Ahmedabad.	Airport Authority of India (M/s. Kunal Structure (India) Pvt. Ltd.)	Shri. Amit J. Solanki	79,002	2017-18
71	TPI for Construction of Suman School Building at DTPS No.40 (Limbayat-Dindoli), F.P. No.R-19 (Local Commercial) in South East Zone (Limbayat), Surat.	Surat Municipal Corporation, Surat	Dr. Chetan R. Patel	98,280	2017-18
72	Proof Checking of the Structure Design Drawing for new Office at Chikhali Naher Colony.	Ambica Division, Navsari	Dr. Chetan R. Patel	35,400	2017-18
73	Consultancy for Adequacy of Environment Management System of Meghmani Organics Limited, GIDC, Ankleshwar, Dist-Bharuch.	Meghmani Organics Ltd, Ankleshwar	Dr. B. N. Tandel	59,000	2017-18
74	Regarding Flexible Pavement Design (Chainage 0/000 to 1/900 and 0/000 to 0/300 Km) from Kalariya Junction to Tin Batii to Kadayia School Gujarat Border of Nani Daman.	S. H. Patel	Dr. Rakesh Kumar	51,920	2017-18
75	Providing and laying drainage line of R.C.C.Np3/NP4 classs pipe having spigot and socket rubber ring joint in T.P.Scheme No-28(Althan-Bhatar) Azadnagar, Rasulabad in S.W.Z. under area of Surat City.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	62,951	2017-18
76	Expert Technical Opinion on bathymetry/hydrographic/topographic survey work of Kankar creek between ch.3750m to ch.6600m.	Divine Shipping Services, Ahmedabad	Dr. P. V. Timbadiya	59,000	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
77	Proof Checking of Hydraulic and Structural Component of Railway Over Bridge. (Four laning of Mahuva-Kagavadar section of NH-8E from Km.100.100 to Km.139.900 (Design chainage from Km.100.450 to Km.140.470) (Package-III) in the State of Gujarat on Hybrid Annuity Mode.)	MEP Sanjose Talaja Mahuva Road Pvt. Ltd.	Dr. S. M. Yadav	106,200	2017-18
78	Proof Checking of Hydraulic and Structural Component of Railway Over Bridge. (Four laning of Talaja-Mahuva section of NH-8E from Km.53.585 to Km.100.100 (Design chainage from Km.54.990 to Km.100.450) (Package-II) in the State of Gujarat on Hybrid Annuity Mode.)	MEP Sanjose Talaja Mahuva Road Pvt. Ltd.	Dr. S. M. Yadav	106,200	2017-18
79	TPI for Providing & Laying of 1219 mm dia. M. S. rising pipe line for Utran Sewage Pumping Station and Kosad Railway Sewage Pumping Station in New North Drainage Zone for augmentation.	Surat Municipal Corporation, Surat	Dr. S. M. Yadav	57,468	2017-18
80	Proof Checking of Hydraulics for "MNBs & MJB"	Dilip Buildcon Limited	Dr. S. M. Yadav	67,600	2017-18
81	Proof Checking of Hydraulics for "Minor Bridge" Two Laning with paved shoulder (Chandragudem to Ap/Telangana Border Section) of Section NH-221(New NH-30) from KM 32.735 to KM 71.2000 On EPC Basis	Dilip Buildcon Limited	Dr. S. M. Yadav	26,100	2017-18
82	TPI for Construction of Integrated Ward Office at D.T.P.S. No.81 (Dumas), F.P. No.R-58 in South West (Athwa) Zone.	Surat Municipal Corporation, Surat	Dr. B. N. Tandel	64,935	2017-18
83	Vetting of technical documents for 1.5 MLD waste water recycling plant.	Shivam Water Treaters Pvt. Ltd., Ahmedabad	Dr. K. D. Yadav	236,000	2017-18
84	Expert Services for the Plastic Waste Management Project facility at Bhatar, Surat.	Surat Municipal Corporation, Surat	Dr. K. D. Yadav	26,062	2017-18
85	Third Party Evaluation work for Staff Quarter at Surat.	Income Tax Department, Surat	Dr. K. D. Yadav	124,240	2017-18
86	Third Party Evaluation work for Staff Quarter at Navsari.	Income Tax Department, Valsad	Dr. K. D. Yadav	124,240	2017-18
87	Design and Visual condition assessment of new and existing their probable causes of defects for 47.4 km stretch of between chainage km 1127.4 km stretch.	Deputy Conservator of Forest (T), Dadra and Nagar Haveli, Silvassa.	Dr. Rakesh Kumar	877,844	2017-18
88	Design and Proof Checking of the concrete road (3.75m wide and total 1.75 km) length inside connecting rooms and bituminous road (total 15 km length and 5.5m wide) approach to different primary schools in Sindoni panchayat.	Gram Panchayat Office, Sindoni, D&NH, Silvassa	Dr. Rakesh Kumar	658,979	2017-18
89	Proof Checking of the concrete road inside connecting rooms and outside approach to others road of primary schools.	Gram Panchayat, Khanvel, D&NH, Silvassa	Dr. Rakesh Kumar	466,593	2017-18

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Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
90	Vetting of the design and drawing for road works a) Asphaltting to Silvassa Umarkui Road up to Dandul falia chowk, Bhutal falia road, Kakad falia road, and other internal road. b) Asphaltting to road from Dan Hotel to Pataliya falia joining Saily main road, Pataliya Falia to Samarvani, Patelpada, Warliwad and Vrundavan Society Internal road. c) Asphaltting to road from Mamlatdar Office to Kilvani Nakja upto Police Station Shahid Chowk to Bhasta, Godse Corner to Tokarkhada and Govt. Housing Complex Tokarkhada.	Silvassa Municipal Council, Silvassa	Dr. Rakesh Kumar	566,985	2017-18
91	Consultancy Services for preparation of detail specifications, material specification, rate analysis and tender document preparation, etc. for road construction as per new design within Surat City.	Surat Municipal Corporation, Surat	Dr. G. J. Joshi	103,500	2017-18
92	TPI for Construction and Carpeting of 30.00mtr wide road in TPS No.35 (Kumbharia-Saroli-SaniyaHemad-Devedh) near 2808 EWS, LIG-1 & LIG-2 Houses in SUDA area (7.5mtr wide road).	Surat Urban Development Authority	Dr. S. S. Arkatkar	37,002	2017-18
93	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	53,820	2017-18
94	TPI for construction of Flexible pavement for puna valthan canal road (R.H.S.)	Surat Urban Development Authority	Shri. Amit J. Solanki	104,277	2017-18
95	TPI for Const. of Cement Concrete road of (1) Radheshyam Soc. (Motavarachha) (2) Madhavdarshan Soc.(MotaVarachha) (3) Yaunadarshan Soc. (Motavarachha) in E.Z. (Varachha) area.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	75,451	2017-18
96	Third Party Inspection (TPI) services for Construction of Metal Grouting work of internal roads of Uma Industrial & Hariom Small Scale Industrial & Jay Ambe Group Co. Op. Housing Society T.P.S. 58 (Bamroli) South Zone (Udhna) Surat.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	80,730	2017-18
97	Providing TPI for the Metal Grouting Works of Various Roads in Different Areas in South Zone (UDHNA) Surat	Surat Municipal Corporation, Surat	Dr. S. S. Arkatkar	259,914	2017-18
98	TPI for Providing & Laying Drainage Branch 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. P. G. Agnihotri	282,502	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
99	Augmentation of Sewerage Network with Providing and Laying Drainage line of I.S.I. Make R.C.C. NP3/NP4 class pipe having spigot and Socket rubber ring joint by Constructing – Repairing of Drainage Manhole/Transferring of existing drainage connection/removing of existing line etc. for Different SPS catchment of Old Athwa Zone Area.	Surat Municipal Corporation, Surat	Dr. V. L. Manekar	410,054	2017-18
100	Survey of Apartment Facility, Construction and Planning	Arth Heights, Surat	Dr. J. E. M. Macwan	84,960	2017-18
101	Investigation of Collapse Wall Behind Newly Constructed Circuit House.	D&NH Sub Divisional Police Officer, Silvassa	Dr. J. E. M. Macwan	43,908	2017-18
102	Consultancy Services for Preparing design, Estimates, Tender etc. of construction of cement concrete road pavement and allied works on internal roads of various private societies-road within Surat city limit.	Surat Municipal Corporation, Surat	Dr. Chetan R. Patel	103,500	2017-18
103	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	74,114	2017-18
104	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	388,125	2017-18
105	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	331,502	2017-18
106	Providing Third Party Inspection (TPI) Services for the work of Providing and laying R.C.C. NP3/NP4 Class pipe with spigot socket rubber ring joint for Sewerage Network Augmentation of Karanj Sewage Pumping Station in East Zone (Part-A).	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	199,335	2017-18
107	Providing & Laying RCC NP3/NP4 class spigot Socket rubber ring joint pipes on remaining roads of Unn-Vadod SPS sewerage System under New South Zone Drainage Scheme.	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	119,720	2017-18
108	Providing & 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	46,555	2017-18
109	Providing and Constructing R.C.C. storm water line at T. P. S. no.10, 11 (Adajan), Shree Swaminaraya Temple to Shree Badrinarayan temple in West Zone (rander) area of Surat City.	Surat Municipal Corporation, Surat	Dr. P. V. Timbadiya	34,493	2017-18
110	Providing 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	16,979	2017-18
111	Issuance of Adequacy Certificate for Boiler and Thermopac House.	Pragati Fashions, Surat	Dr. K. D. Yadav	28,750	2017-18

CIVIL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignmetn	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in Rs.	Year
112	Issuance of Adequacy Certificate for Boiler and Thermopac House	J. R. Synthetics Pvt. Ltd., Surat	Dr. K. D. Yadav	28,750	2017-18
113	Issuance of Adequacy Certificate for new Boiler	Natural Paper Mill, Surat	Dr. K. D. Yadav	28,750	2017-18
114	Issuance of Adequacy Certificate for Boiler and Thermopac House	T. M. Patel Processing Pvt. Ltd., Surat	Dr. K. D. Yadav	28,750	2017-18
115	Providing & Laying Drainage Network at Variav Gamtal.	Surat Municipal Corporation, Surat	Dr. P. G. Agnihotri	276,036	2017-18
116	Scrutiny of DPR for the Work under PMGSY project for Gujarat state	NRRDA, New Delhi	Dr. G. J. Joshi	150,000	2017-18
117	Vetting of Pavement 7.00mt wide adjacent to Retaining wall for PHC Masat, D&NH, Silvassa.	P.W.D.-II, D&NH, Silvassa	Dr. Rakesh Kumar	779,170	2017-18
118	Consultancy Service of Design and Proof Check of the Widening and Asphaltting of Khanvel Dudhani Road up to Dudhani Junction (Ch.26/0 to 35/8).	P.W.D.-II, D&NH, Silvassa	Dr. Rakesh Kumar	1,051,499	2017-18
119	Consultancy Service of Design and Proof Check of the construction of Ring Road from Silvassa-Umarkui road via Agriwad (Streth D to E).	P.W.D.-II, D&NH, Silvassa	Dr. Rakesh Kumar	1,202,888	2017-18
120	'Consultancy Service of Design and Proof Check of the Consturction of Ring Road for Silvassa (Stretch F to G) Silvassa Pipariya to Dokmardi'	P.W.D.-II, D&NH, Silvassa	Dr. Rakesh Kumar	1,224,487	2017-18
121	Service of Overlay Design for the Re-Development of Khanvel Junction (Chowk) road of 1.5Km length and 3.75 m. wide	P.W.D.-II, D&NH, Silvassa	Dr. Rakesh Kumar	481,732	2017-18
122	Design and Proof Check of the drawings of RCC weir across River Damanganga at Silvassa	P.W.D.III, D&NH, Silvassa	Dr. S. M. Yadav	1,707,006	2017-18
123	Consultancy for environmental audit for the year of 2017-18.	Torrent Power Limited	Dr. B. N. Tandel	262,338	2017-18
			<b>TOTAL</b>	<b>36,878,843</b>	

CHEMICAL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in RS.	Financial Year
1	Testing of water to be used in Concrete Work	Office of the Deputy Executive Engineer, Drainage Sub division, Valsad	Dr. Mausumi Mukhopadhyay	2,000	2017-18
2	Verfecation of MSDS of Chimecal	Hindusthan Chemicals Company	Dr. Z. V. P. Murthy Dr. V. N. Lad	55,000	2017-18
			<b>TOTAL</b>	<b>57,000</b>	

MECHANICAL ENGINEERING DEPARTMENT					
Sr. No.	Title of Consultancy of Assignment	Name of the Industry for whom assignment carried out	Name of the Co-ordinator	Total Amount earned in RS.	Financial Year
1	Evaluation of Sardae Smraliblvavan Air Condihing Sntem	SMC Surat	Dr S A Channiwala	345,000	2017-18
2	Scrutinisation of estimate for repairing of gate of weir & TPI services during repairing work as and when required	Surat Munucipal Corporation	Dr S A Channiwala Mr. Vimal Patel	50,000	2017-18
3	Memher, Board of Mahagement	P.P.Savani University	Dr.S.A.Channiwala	51,000	2017-18
4	Performance operalion and Maintenance Aspects of 1.0 MW Sewage Baised Power Plank at Bhatar, Karank And Singanporeor	Surat Manicipal Cirkporehon Drainage Deoartment Surat	Dr.S.A.Channiwala	150,000	2017-18
5	Desinsing of Eggicient Air Charging Ssystem for Texturising M/cs.	M/s.Prag Bosimi synthelic LiD Assam	Dr.S.A.Channiwala	250,000	2017-18
6	Water Hyacinth Rehted Probhems and Their Renedial Mesures	M/s.Agastya Baoyant Pvt.Lty Shibral	Dr.S.A.Channiwala Dr.P.V.bhale	28,750	2017-18
7	Stady of the Heatealyers at Essar Steel hagira	Essar steel hagira	Dr.S.A.Channiwala Dr.R.D.Shah Dr.H.B.Mehta	250,000	2017-18
8	Evaluation of sardat Smruti Bhavan Air Conditioning Suptem	East Zone Surat Municipal Conportion	Dr.S.A.Channiwala Dr.A.V.Doshi Dr.Bade Mukund mr.Vimal Patel	350,000	2017-18
9	Geomatic Moduling fimate element analysis of fuel accmaltor of Mig 29	11 BRD Air Force Station	Dr A A Shaikh	373,750	2017-18
10	Impact & Effect of GSRTC bus's collision with hi-mast tower & 180km per hour storm cyclone on hi mast tower	High mast tower SMC light & Engg ell Surat	Dr.S.A.Channiwala Dr.R.D Shah	125,000	2017-18
11	TPI of 50 Buses for surat BRTS of SMC	SMC Surat	Prof. H.K.Raval Dr.P.V.Bhale Dr.R.D.Shah Dr H K Dave	551,250	2017-18
12	Third Party Fire sxfety Audit of agmidi AC BRTS Buses	BRTS Project & Traffic Cells SMC Surat	Dr.S.A.Channiwala Dr.R.D Shah Dr.P.V.Bhale	294,000	2017-18
13	Thcoretical Cakvlation of Power Rating I E Capacity Evalvation of Bulldozers BD 155	M/s.Westside Earth Movers Surat	Dr.S.A.Channiwala	15,000	2017-18
14	TPI of 60 FRP based units in 49 vikashshil taluka	District Agriculture Officer, Lunawada	Dr. P. V. Bhale Mr. V. P. Rathod Dr. K. D. Yadav	48,000	2017-18
15	Reper to the apprwd snfmi	Traiuong Prog SMC	DR.K.P.Desai Dr,A.A.Shakih	1,787,000	2017-18
16	Preparation of Detaied Project Report on Biosas Botting Plant	M/s.Glow Green Biotech Surat	Dr.S.A.Channiwala	100,000	2017-18
17	Examination of avaiability of waste Heat Recovery of ORC		Dr.S.A.Channiwala	5,000	2017-18
18	TPI of 300 BS IV diesel fuelled non AC midi buses BODY BUILDING WORK	Traffic cell SMC surat	Dr.P.V.Bhale Dr.R.D.Shah	472,500	2017-18
19	TPI of 238 nos. chasis of BS-IV diesel fuelled non AC buses (midi)	Traffic cell SMC surat	Dr.P.V.Bhale Dr.R.D.Shah	753,218	2017-18
20	Feasibility study for waste heat recovery energy Efficiency improvement and pre treatmnet & of same with possibility fitz use in CPP & Dryer.	Philips Carbon Black Ltd.Palej,Bharuch	Dr.S.A.Channiwala Dr.P.V.Bhale Dr.Rupesh Shah Dr.H.B.Mehta	250,000	2017-18
21	Determination of reasonable penalty amount based on actual no.of days for repairing of facility Electrical/mechanical machineries and letter of justification from contractor	Surat Muncipal Corporation,Drainage Dept.	Dr.S.A.Channiwala Dr. A.A. Shaikh	150,000	2017-18
				<b>6,399,468</b>	



**(c) Testing details**

<b>APPLIED MECHANICS DEPARTMENT</b>			
<b>No.</b>	<b>Testing Project</b>	<b>Name of Organisation</b>	<b>Amount</b>
1.	Routine Testing like, brick, cube, steel, tiles, Mix Design etc.	Organization in surrounding area engaged in construction activities	Rs.17,79,335.00

<b>CIVIL ENGINEERING DEPARTMENT</b>			
<b>No.</b>	<b>Testing Project</b>	<b>Name of Organisation</b>	<b>Amount (Rs)</b>
1	Construction water	Shri H.R. Thakor, Abrama, Valsad	4,580
2	Construction water	Shri. DEC Infrastructure & Project Pvt Ltd.	4,600
3	Construction water	Shri. Mukesh R Mistry, Kosmba	4,600
4	Construction water	Shri. Anand Garden Consultancy, Gandhinagar (Dharasana)	4,600
5	Construction water	Shri. Anand Garden Consultancy, Gandhinagar (vankal)	4,600
6	Construction water	Shri. Anand Garden Consultancy, Gandhinagar (Dharampur)	4,600
7	Construction water	Jay Shree Bholenath Construction Co.	4,600
8	Construction water	Deputy Executive Engg. Kelia Irrigation . Project Vasnsda.	4,600
9	Drinking water	Dr Megal Desai	1,610
10	Construction water	Deputy Executive Engineer, Ukai, Left bank Canal, Sub Division-2, Khergam.	4,600
11	CDrinking water	Hostel Section	50,000
12	Construction water	Deputy Executive Engineer, Ver Project, Division-3, Vyara	4,600
13	Construction water	J.P. structure Pvt.Ltd, Rajkot	4,600
14	Construction water	Deputy Executive Engineer, Ver Project, Division-3, Vyara	4,600
15	Construction water	Deputy Executive Engineer, Surat Canal ,Sub Division-1	4,600
16	water	PhD Student Vinod Kumar	4,600
17	Construction water	SCSD, CPWD, M/S Prahlad Construction	4,600
18	Construction water	Deputy Executive Engineer, Kelia Irrigation Project, Sub. Division Vansda	4,600
19	Construction water	Executive Engineer Shree Ganesh Corporation Dandi Navsari	9,200
20	Construction water	Executive Engineer Shree Ganesh Corporation Dandi Matwad Navsari	4,600
21	Construction water	Dy. Executive Engineer Ver Project Sub Div-3 Vyara	4,600
22	Construction water	District Project Engineer Ssa Tapi Vyara	4,600
23	Construction water	SHREE GANESH CORPORATION	4,720
24	Construction water	M/s Prahlad Construction	9,440
25	Construction water	M/s Bansi Construction	9,440
26	Construction water	Shanti Structure Pvt. Ltd	4,720
27	Construction water	Deputy Executive Engineer ( Solid Black Constructions)	5,724
28	Construction water	M/s Shree Ganesh Corporation	9,440
29	Drinking water	SVNIT	59,000
30	Construction water	CHANDRAKANT J. BHATT	5,723
31	Construction water	DEPUTY EXECUTIVE ENG. C/O KUNAL STRUCTURES	5,723
32	Construction water	Dy. EX ENGG. C/O Sai KRUPA CONSTRUCTION	5,723
33	Construction water	Jalaram Project Pvt. Ltd	11,446
34	Construction water	Shree Ganesh Infrastructure	5,722
35	Construction water	Dy. ENGG. RANDE	5,723
36	Construction water	M. M. C PROJECT	5,723
37	Construction water	K K B PROJECT PVT. LTD	5,723
38	Construction water	MERIDIAN TEXTILE MARKET	5,723
39	Construction water	THAKUR DEVELOPERS	5,723
40	Construction water	Rahul Construction Company	5,723
41	Construction water	Deputy Ex. Engineer,( R & B)(Shree A.A. Bambhroliya)	3,800
42	Construction water	BRIJESHKUMAR R MAHYAVANSHI	5,724
43	Construction water	DEPUTY EX. ENGINEER C/O ( K. M. KHUNT)	5,724
44	Construction water	M/S S. K. Cleaners	5,724

CIVIL ENGINEERING DEPARTMENT			
No.	Testing Project	Name of Organisation	Amount (Rs)
45	Construction water	SVPB GUEST HOUSE	3,157
46	Construction water	Deputy Executive Engineer ( R & B) Shri Jignesh Vniubhai Shiroya)	5,724
47	Construction water	RAJKUMAR G. VARMA	5,724
48	Construction water	SHRIPAD CONCHEM PVT. LTD.	2,891
49	Construction water	S. M. Sheladiya	5,723
50	Construction water	District Project Engineer Sarva Shiksha Abhiyan Mission, Navsari (Royal Infra Eng. Pvt.Ltd)	5,724
51	Construction water	Deputy Executive Engineer, O.D.F. & Drainage Sub Divi- Gandevi ( Vijay J. Thakor)	5,724
52	Construction water	Deputy Executive Engineer, O.D.F. & Drainage Sub Divi- Gandevi (Dineshbhai Babhubhai Patel))	5,724
53	Construction water	Deputy Executive Engineer , OFD & Drainage Sub Div- Gandevi (Jenish D. Patel)	5,724
54	Construction water	Deputy Executive Engineer , OFD & Drainage Sub Div- Gandevi (Mehulkumar I Parmar (Akshara Infra))	5,724
55	Construction water	Deputy Executive Engineer , OFD & Drainage Sub Div- Gandevi (Divyesh I Patel)	5,724
56	Construction water	Deputy Executive Engineer project implementation unit (Zone-7) ( D.H.Patel / V.K.C.Patel)	5,724
57	Construction water	Surat Municipal Corporation	5,724
58	Construction water	(Vigilance and Inspection Department, SMC (J.N.Chauhan))	10,478
59	Construction water	Deputy Executive Engineer (Sai Krupa Construction)	11,217
60	Construction water	Deputy Executive Engineer Ver Project. Sub Division No. 3 Vyara (Solid Black Construction)	5,724
61	Construction water	Deputy Executive Engineer, O.F.D & Drainage Sub Division, Gandevi (M. B. Dabariya, Surat)	5,724
62	Concrete cube	Desai Infra pvt. ltd	700
63	Aggregates	Deputy Executive Engineer Panchayat R&B Sub Div Ahwa	58,765
64	Concrete cube	Vijay M Mistry const. Pvt. Ltd	350
65	Concrete cube	Vijay M Mistry const. Pvt. Ltd	350
66	AAC block	Magicrete Building Solution Pvt. Ltd.	16,520
67	Concrete cube	Vijay M Mistry const. Pvt. Ltd	358
68	Aggregate	Relcon Infraprojects Ltd	2,478
69	Aggregate	Relcon Infraprojects Ltd	15,576
70	Concrete cube	Desai Infra pvt. ltd	354
71	Concrete cube	Desai Infra pvt. ltd	354
72	Concrete cube	Tirupati Construction	708
73	Concrete cube	Desai Infra pvt. ltd	17,807
74	Concrete cube	Desai Infra pvt. ltd	5,074
75	Concrete cube	Shri Vinayak Corporation, Surat.	354
76	Concrete cube	Shanti Structure Pvt. Ltd.	1,416
77	Concrete cube	Vijay M. Mistry	354
78	Concrete cube	Tirupati Construction	708
79	Concrete cube	Vijay M Mistry const. Pvt. Ltd	354
80	Concrete cube	Tirupati Construction	354
81	Concrete cube	Shri Vinayak Corporation	354
82	Concrete cube	Tirupati Construction	354
83	Concrete cube	Vijay M Mistry const. Pvt. Ltd	1,062
84	Concrete cube	Tirupati Corporation	2,124
85	Core	Relcon Infraprojects Ltd	56,699
86	Concrete cube	Shri Vinayak Corporation	354
87	Concrete cube	Vijay M Mistry const. Pvt. Ltd	354
88	Concrete cube	GauravBuilders	10,620
89	GSB	K.K.B. Projects Pvt. Ltd.	3,068
90	Concrete cube	V India Engg & Construction Pvt. Ltd.	708

CIVIL ENGINEERING DEPARTMENT			
No.	Testing Project	Name of Organisation	Amount (Rs)
91	Concrete cube	Shivam Water Treaters Pvt. Ltd.	708
92	Concrete cube	Tirupati Construction	354
93	Concrete cube	Tirupati Construction	1,416
94	Aggregate	Arjanbhai Jadavbhai Patel	12,980
95	Concrete cube	Vijay M Mistry const. Pvt. Ltd	1,062
96	Blast	Amit & Associates	944
97	Aggregate	M,A.Patel	14,868
98	Concrete cube	Rachana Const. Co.	2,124
99	GSB	K.K.B. Projects Pvt. Ltd.	3,068
100	Concrete cube	Tamanna Infrastructure	24,426
101	Aggregate	Tirupati Construction	7,316
102	Concrete cube	Rachana Const. Co.	1,416
103	Concrete cube	Enviro Control Associates India Pvt. Ltd	1,770
104	Aggregate	Dy. Ex. Engineer Panchayat R&B	60,518
105	Concrete cube	Vijay M Mistry const. Pvt. Ltd	17,700
106	Concrete cube	Vijay M Mistry const. Pvt. Ltd	354
107	Concrete cube	Enviro Control Associates India Pvt. Ltd	1,770
108	Concrete cube	Mehul Geo Project	1,416
109	Concrete cube	Vijay M Mistry const. Pvt. Ltd	354
110	Core	Relcon Infraprojects Ltd	1,81,720
111	Concrete cube	Enviro Control Associates India Pvt. Ltd	354
112	Concrete cube	Enviro Control Associates India Pvt. Ltd	708
113	Concrete cube	Rachana Construction Co.	1,770
114	Concrete cube	Rachana Construction Co.	1,062
115	Concrete cube	Shivam Construction	708
116	Concrete cube	Tirupati Construction	21,600
117	Concrete cube	J.K.Projects Pvt. Ltd.	354
118	Concrete cube	Mehul Geo Project	1,770
119	Bitumen	Executive Engineer Surat (R&B) sub division-3, Surat	29,500
120	Concrete cube	Tirupati Construction, Surat	7,316
121	Aggregate	Deputy Executive Engg. Surat (R&B) DIV-4	5664
122	Concrete cube	Tirupati Construction	708
123	Concrete cube	Enviro Control Associates India Pvt. Ltd	708
124	Concrete cube	Shivam Construction	708
125	Concrete cube	Bharat Construction, Pandesara, Surat	1,062
126	Concrete cube	Bharat Construction, Pandesara, Surat	708
127	Concrete cube	Rachana Construction Co.	708
128	Concrete cube	Bihani Construction Pvt. Ltd	1,770
129	Bitumen	KCC Buildcon Pvt. Ltd	6490
130	Concrete cube	Enviro Control Associates India Pvt. Ltd	2,478
131	Concrete cube	Vijay M Mistry const. Pvt. Ltd	354
132	Concrete cube	Tirupati Construction	1,062
134	Concrete cube	Tirupati Construction	354
135	Concrete cube	Rachana Construction Co.	1,062
136	Concrete cube	Milagro Infra.	354
137	Concrete cube	Vijay M Mistry const. Pvt. Ltd	354
138	Concrete cube	Rachana Construction Co.	1,770
139	Bitumen	J P Infrastructure Pvt. Ltd, Rajkot	5,900
140	Concrete cube	Rajgreen Infralink LLP	2,478
141	Aggregate	J M Shah	6,254
142	Bitumen	Neelam Const. Co.	5,900
143	Concrete cube	Shailesh P. Patel	708
144	Concrete cube	Patel Infra	354

CIVIL ENGINEERING DEPARTMENT			
No.	Testing Project	Name of Organisation	Amount (Rs)
145	Concrete cube	Patel Infra	354
146	Concrete cube	Mehul Geo Project, LLP	708
147	Concrete cube	Kuldevi Krupa Construction, Surat	2,124
148	Concrete cube	Saumya Construction	708
149	Concrete cube	Vijay M. Mistry Const. Pvt. Ltd	708
150	Bitumen	Kalthia Engineering and Construction LTD	5,900
151	Bitumen	Road & Building Sub-Division, Jetpur	59,000

## 11.2 List of Faculty Members (2017-18)

Sr. No.	Department	Name	Designation	Qualification
<b>Applied Chemistry Department</b>				
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. Adlakhia	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

Sr. No.	Department	Name	Designation	Qualification
4	AMD	Dr. S. A. Vasanwala	Professor	Ph.D
5	AMD	Dr. C. H. Solanki	Professor	Ph.D
6	AMD	Dr. S. N. Desai	Associate Professor	Ph.D
7	AMD	Shri A. J. Shah	Associate Professor	M.E
8	AMD	Dr. Yogesh D. Patil	Assistant Professor	Ph.D
9	AMD	Dr. G. R. Vesmawala	Assistant Professor	Ph.D
10	AMD	Dr. Shailendra Kumar	Assistant Professor	Ph.D
11	AMD	Shri Satyajit Patel	Assistant Professor	Ph.D
12	AMD	Dr. A. M. Parghi	Assistant Professor	Ph.D
13	AMD	Shri Suryawanshi S. R.	Assistant Professor	Ph.D.
14	AMD	Dr. M.K Desai	Assistant Professor	Ph.D
15	AMD	Shri Jignesh B. Patel	Assistant Professor	M.Tech
16	AMD	Dr. (Ms.) Shruti Vaidya	Assistant Professor	Ph.D
17	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	Dr. P.G. Agnihotri	Associate Professor	Ph.D
9	CED	Dr. R. A. Christian	Associate Professor	Ph.D
10	CED	Dr. M. Mansoor Ahammed	Associate Professor	Ph.D

Sr. No.	Department	Name	Designation	Qualification
11	CED	Dr. K A Chauhan	Associate Professor	Ph.D
12	CED	Dr. G.J. Joshi	Associate Professor	Ph.D
13	CED	Dr. V L Manekar	Associate Professor	Ph.D
14	CED	Dr. Rakesh Kumar	Associate Professor	Ph.D
15	CED	Dr. (Mrs.) N.D. Jariwala	Assistant Professor	Ph.D
16	CED	Dr. B.N. Tandel	Assistant Professor	Ph.D
17	CED	Shri A.J. Solanki	Assistant Professor	M.Tech
18	CED	Dr. D.A. Patel	Assistant Professor	Ph.D
19	CED	Shri G.D. Kale	Assistant Professor	M.E
20	CED	Dr. K.D. Yadav	Assistant Professor	Ph.D
21	CED	Dr. Ashish Dhamaniya	Assistant Professor	Ph.D
22	CED	Dr. C.R. Patel	Assistant Professor	Ph.D
23	CED	Dr. P.V. Timbadiya	Assistant Professor	Ph.D
24	CED	Shri R.M. Tailor	Assistant Professor	Ph.D
25	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. M 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

Sr. No.	Department	Name	Designation	Qualification
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

Sr. No.	Department	Name	Designation	Qualification
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



Sr. No.	Department	Name	Designation	Qualification
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

### 11.3 Administrative and other Staff

#### LIST OF NON TEACHING STAFF AS ON 01/06/2017 to 31/07/2018

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

**Class – III (NON TECHNICAL)**

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

**LIST OF TECHNICAL STAFF**

Sr. No.	Name	Designation	Deptt./ Section
01	Shri P.K. Shah	Sr. Tech. Asst. (SG-II)	CCC
02	Shri S.C. Shoemaker	Asstt. Engr. (SG-II)	E & S
03	Ms. M.A. Patel	Technical Asst.	Academic
04	Shri G.S. Shah	Technical Asst.	EED
05	Shri G.B. Master	Technician (SG-II)	E & S
06	Shri P.R. Sivadasan	Technician (SG-II)	MED
07	Shri P.P. Vankar	Sr. Tech. Asst. (SG-II)	MED
08	Shri B.D. Gamit	Technician (SG-II)	AMD
09	Shri B.S. More	Technician (SG-II)	AMD
10	Shri J.J. Prajapati	Technician (SG-II)	E & S
11	Shri M.S. Rathwa	Technician (SG-II)	E & S
12	Shri V.B. Rathod	Sr. Technician	EED
13	Shri V.G. Patel	Sr. Technician	EED
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

Sr. No.	Name	Designation	Deptt./ Section
21	Shri R.N. Chauhan	Technician (SG-II)	Workshop
22	Shri D.M. Rathod	Technician (SG-II)	Workshop
23	Shri Gaurav Mahida	Lab. Asst.	EED
24	Shri Praful Patel	Lab.Asst.	ECED
25	Shri A.N. Gamit	Lab. Asst.	MED

**CLASS – IV**

Sr. No.	Name	Designation	Deptt./ Section
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
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





**SARDAR VALLABHBHAI PATEL**

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