

1.0 INTRODUCTION

1.0 Our Vision

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

1.2 Our Mission

Sardar Vallabhbhai National Institute of Technology, Surat, is to be a globally accepted Centre of Excellence in technical education catalyzing absorption, innovation, diffusion and transfer of high technologies resulting in enhanced quality for all the stakeholders.

1.3 Objectives

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

1.4 Education System

The Institute offers Six UG and Seventeen PG Programmes alongwith full time Ph.D. Programmes in Engineering and M.Sc. Integrated programs of five years in Science disciplines – Moreover, full time as well as part-time Ph.D. and M.Tech. (Research) programmes have also been offered. Credit System is introduced both at UG & PG level courses.

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

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

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

1.5 Good Practices being followed by SVNIT

- 1) The Institute provides flexibility to the students for getting an exposure at Institute of repute such as IITs.
- 2) Early induction to the Ph.D. program for the top meritorious students from the M.Tech.I – admitted directly to Ph.D. program.
- 3) Institute practices Internal Academic audit for improvement in quality of education.
- 4) Regularly participating for Accreditating of UG & PG programmes.
- 5) Ample opportunities for organizing events and submission of Research Projects / Consultancies assignments, presenting research papers at International Conferences.

- 6) Seed Grant to faculty members for encouraging research culture.
- 7) Policy for filling / obtaining of Patents and sharing revenue for probable revenue generation.
- 8) Encouraging students for research activities / training and they are supported for presenting papers in India and at abroad including internships.
- 9) All the students in the campus have been converted under the Mediclaim Policy.

2.0 AN OVERVIEW

2.1 Historical Background

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

Discipline Details

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

2.2 Location

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

2.3 Campus

The Institute is having at present Eight Boy's Hostel and One Girls' Hostel accommodating about 3488 students. The number of 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 Resource Engineering, Structural Engineering, Soil Mechanics & Foundation Engineering, Urban Planning, Transportation Engineering & Planning, Turbo Machines, Mechanical Engineering, Manufacturing Engineering, Thermal System Design, CAD/CAM, Power Electronics & Electrical Drives, Power Systems, Communication Systems, Computer Engineering, VLSI & Embedded Systems and Chemical Engineering.

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

The Institute also offers Ph.D. Programme under QIP for the faculty members of AICTE approved engineering colleges.

2.6 Course Offered

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

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

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

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

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

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

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

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

2.7 Admission Procedure :

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

Admission are being made on the basis of All India Rank of Joint Entrance Exam (Main) conducted by Central Board of Secondary Education, New Delhi.

Post Graduate Courses:

The admission is made on the basis of Centralized Counselling for M.Tech. / M.Plan (CCMT) admission on basis of valid GATE score under the control of MHRD, New Delhi.

M.Tech. (Research) :

The admission to M.Tech. (Research) programmes are given to those having Bachelor's degree in any one of the seven disciplines mentioned in Para 2 above and should have passed with 55% aggregate marks of all 8 semesters (CGPA=6.0) respective Engineering faculty. Selection through oral presentation on the proposed area of research in front of a committee. There will be an interview for eligible students with the proposed supervisor in each department.

Doctorate Programme:

The eligibility for admission to Ph.D. in Engineering Faculty, Science Faculty, Humanities and Social Science Faculty & Interdisciplinary areas is such that a candidate shall process Master's Degree in relevant area of Research and should have passed with at least second class with minimum 50% (CGPA=5.0) or equivalent in respective engineering faculty and 55% (CGPA=6.0) in other cases.

2.8 Students Intake:**Under Graduate Course :**

50% seats are filled up from the Gujarat State and 50% seats from other than Gujarat State on the basis of All India Merit Rank declared by CBSE, New Delhi-21 seats Foreign students and 104 seats of DASA students are also admitted under the scheme of Central Government.

Five Year Integrated M.Sc. Course :

60 seats in each branch in Physics, Chemistry and Mathematics

Post Graduate Course (Master of Technology) :

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

M.Tech. (Research) :

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

Doctorate Programme :

The Ph.D. programmes are offered in (i) Applied Mechanics (Structural Engineering, Geotechnical Engineering) (ii) Applied Chemistry (iii) Applied Mathematics, English and Management (iv) Applied Physics (v) Chemical Engineering (vi) Civil Engineering (vii) Computer Engineering (viii) Mechanical Engineering (ix) Electronics Engineering (x) Electrical Engineering.

2.9 Examination & Evaluation :

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

2.10 Placement :

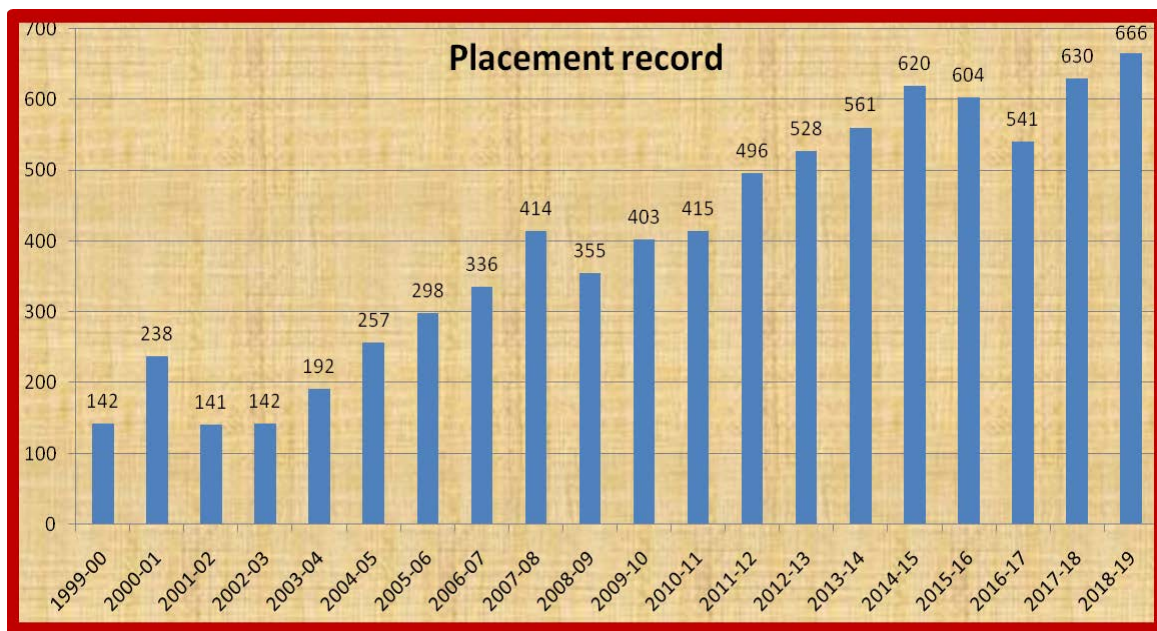
SVNIT offers six Under Graduate (B.Tech.) seventeen Post Graduate (M.Tech.) and three M.Sc. Integrated courses (Chemistry, Physics & Mathematics). The Training & Placement Section (T&P) helps the student's placement in various public and private sector organizations by arranging the campus interviews.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

Details of Placement of UG (B.Tech.) students 2018-19						
Particulars	13-14	14-15	15-16	16-17	17-18	18-19
Total No. of students	688	676	709	707	723	705
Number of eligible students	518	532	593	624	654	669
Number of students selected	420	463	457	427	473	515
Placement %age of total students	61.04	68.49	65.16	60.39	69.84	73.04
Placement %age of eligible students	81.08	84.33	77.91	68.42	77.21	76.98
Salary Package (Average) (Rs. In lacs)	4.54	5.28	5.71	5.78	6.72	6.8

Details of Placement of PG (M.Tech.) students 2018-19						
Particulars	13-14	14-15	15-16	16-17	17-18	18-19
Total No. of students	304	352	353	262	282	268
Number of eligible students	262	308	329	233	263	260
Number of students selected	141	157	125	94	158	106
Placement %age of total students	46.59	46.56	40.45	35.88	39.00	39.55
Placement %age of eligible students	51.79	51.45	42.76	40.34	41.83	40.76
Salary Package (Average) (Rs. In lacs)	4.42	4.84	4.44	5.36	5.16	5

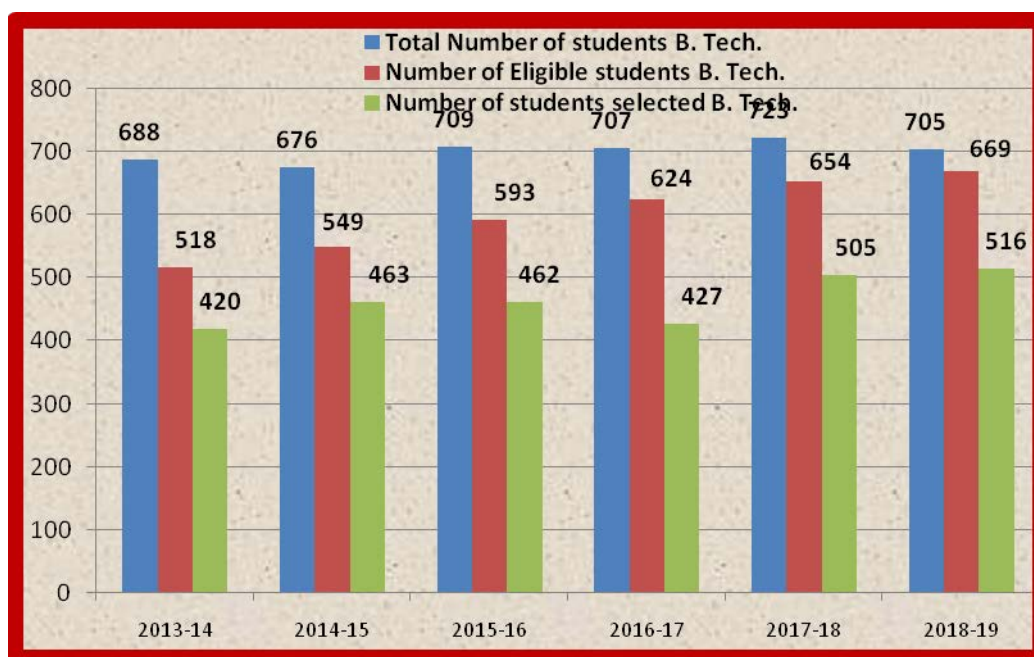
Details of Placement of M.Sc. students 2018-19						
Particulars	13-14	14-15	15-16	16-17	17-18	18-19
Total No. of students	25	47	39	55	59	135
Number of eligible students	11	32	32	44	56	127
Number of students selected	11	13	06	12	10	38
Placement %age of total students	44	27.65	15.38	21.81	25.42	28.14
Placement %age of eligible students	100	40.62	18.75	27.27	26.78	29.92
Salary Package (Average) (Rs. In lacs)	3.24	2.97	4.08	5.35	4.46	4.5

Students placed in the year 2018-19



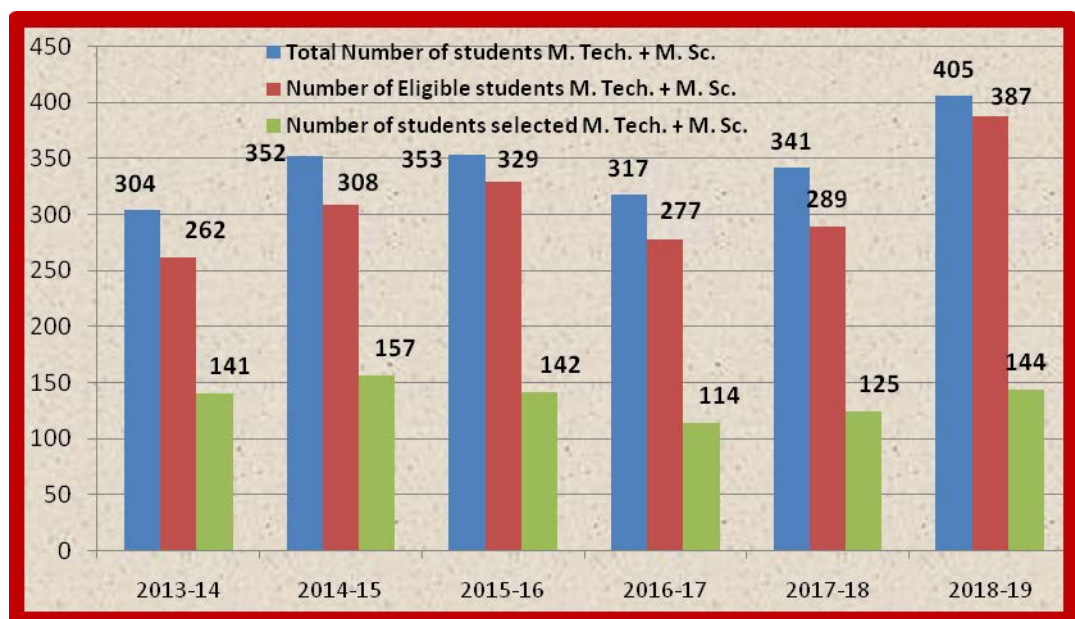
Details of Placements of UG (B.Tech.) students 2018-19

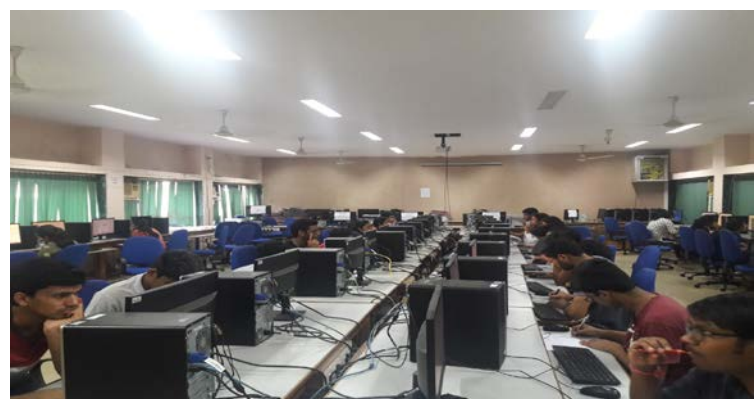
Particulars	13-14	14-15	15-16	16-17	17-18	18-19
Total Number of students	688	676	709	707	723	705
Number of Eligible students	518	549	593	624	654	669
Number of students selected	420	463	462	427	505	516



➤ **Details of Placements of PG (M.Tech.+Msc.)students 2018-19:**

Particulars	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Total Number of students	304	352	353	317	341	405
Number of Eligible students	262	308	329	277	289	387
Number of students selected	141	157	133	114	125	144





2.11 Games and Sports:

Physical Education Section organizes and manages sports and co-curricular and extracurricular activities of students. Games and Sports play vital role in holistic development of an individual's personality and enable students to cope up with challenges of life. Student Activity Center puts sincere efforts to encourage students for participate in various sports events.

Following tournaments were conducted during the year 2018-19 by the institute SAC:

- Intra mural Sports Tournaments for First Year B. Tech and M. Sc. Students (various games)
- Intra mural Sports Tournaments for all students and staff.
- Manoj Memorial Night Cricket Tournament (Association with Hostel Section).
- Ganesh Memorial Night Volleyball Tournament (Association with Hostel Section).
- "Volleygreece" Night Volleyball League Tournament (Association with IIIT, Surat).
- Inter Year Night Football Tournament (Association with hostel Section).
- Inter Year Basketball Tournament.
- Badminton, Chess and Table Tennis Tournament for Faculties and Staff.
- Mini marathon race for all the students and staff.
- Coaching camp for various games (Athletics, Badminton, Basketball, Cricket, Football, Handball, Kho-Kho, Kabaddi, Swimming and Yoga).
- Yoga week.

Participation in Recognized Sports Tournament 2018-19



SVNIT took part in West Zone Inter University Cricket (Men) Tournament 2018-19 organized by Veer Narmad South Gujarat Universtiy, Surat. SVNIT played it's first match against LNIPE Gwalior on ground of C. K. Pithawala Engineering Collge, Dumas, Surat on 19th Jan 2019.

Inter NIT Sports Tournament 2018-19

SVNIT participated in almost all the inter-NIT Sports tournaments and performed exceptionally well.

Faculties and Staff Tournament 2018-19



An intra mural sports tournament for faculties and staff was organized in three different games and sports. i.e. Badminton, Chess and Table Tennis. This two days' extravaganza gave platform to the faculties and staffs to demonstrate their potential in field other than the class room teaching. Faculties and staff demonstrated skillful performance and high level of sportsmanship spirit among themselves.



Faculties in action during intramural Badminton match.

All India Inter NIT Sports Tournament for Faculties and Staff at NIT Goa.



NIT Goa hosted All India Inter NIT Sports Tournament for Faculties and Staff during 7 to 9 Dec 2018 at Ponda. SVNIT Surat participated in Badminton and Table Tennis event.

International Day of Yoga 2018



International Yoga Day 2018 is celebrated on 21st June 2018. Faculties, Staff and Students took part in celebration of International Day of Yoga. All the participants performed yoga as per the instruction of Yogguru and demonstration done by yoga practitioner. During the program Yoga asanas, Pranayam, Dhyana and Kriyas were performed. Event was celebrated on grand scale. A talk on nutrition management and Youth related issues was also had great number of participation. The light refreshment was provided to the participants of the gathering.

Athletics



All India Inter NIT Athletic Meet was hosted by NIT Warangal during 22nd to 24th March 2019. During these hot summer days athlete of the institute sweat out and thrive to win medals. **Ankita Roy** won gold medal in 10000mt and silver medal in 5000mt, **Rekha Meena** won Silver Medal in 200mt race, **T. Paul Prashanth** won silver medal in 200mt race, **Rambabu** won bronze medal in discuss throw event.

Badminton



All India Inter NIT Badminton Tournament 2018-19 was organised by VNIT Nagpur during 29th, 30th Sep & 1st Oct 2018. SVNIT Surat successfully won runner-up championship in men's section. **Shyam Sundar B.**, **Darshan Wankhede**, **Rishil Shah**, **Shashank Gupta** and **Hiteshkumar Sharma** were the members of the squad.

Mathigetta Sarvani, **Krishna Parihar** and **Sanjana Dhiran** represented women's squad. Their journey in this tournament ended at the quarterfinals.

Basketball

Inter Year Basketball Tournament 2018-19



Inter Year Basketball Tournament is always a centre of attraction among students. This event was hosted by 'Hostel Section'. Two teams were derived from each year of B. Tech and M. Sc. Courses. This event was completely governed and managed by students' coordinators and volunteers with the help of technical officials of Surat District Basketball Association. This event was completed with great games. Final Year B. Tech was winner of the event and 2nd Year B. Tech secured runner up position.

All India Inter NIT Basketball Tournament 2018-19 at NIT Trichy

All India Inter NIT Basketball Tournament was hosted by NIT Trichy. SVNIT Surat made its way to the quarter final by winning three consecutive matches in league round. Quarter final match was played against home team, which resulted in loss with narrow margin. As always SVNIT Basketball Boys' team performed well. During the event we got supported by aluminiise too. SVNIT Boys' team was runner-up champion in previous year but could not created same magic this time.



All India Inter NIT Cricket Tournament 2018-19 at NIT Trichy



All India Inter NIT Cricket Tournaments 2018-19 was hosted by NIT Trichy. Team SVNIT won a match against NIT Kurukshetra in league round. Mr. Rohit Tiwari (Ph. D. Scholar) was a captain of the team.

Football

Inter Year and Inter NIT Football Tournament 2018-19.



It is been a tradition of Night Football Tournament to be organised by Hostel Section of the institute every year. During month of March 2019 night football tournament was organised for three consecutive nights. In a thrilling match team A of final year B. Tech secured the first place on the victory stand.

All India Inter NIT Football Tournament was hosted by NIT Rourkela during Feb 2018. SVNIT Surat played skilful game in league round.

All India Inter NIT Kabaddi Tournament at NIT Rourkela



SVNIT Kabaddi Boys' Team and Girls' Team practiced whole year to conquer the event hosted by NIT Rourkela. Boys' team made its way to the finals and won Runner up championship in triangular final against home team. Where as a girls' team lost the hope to move ahead in a nail biting close battle with opponents in quarter finals.

All India Inter NIT Kho Kho Tournament at NIT Rourkela



SVNIT Kho Kho Boys' Team and Gils' Team played amazing game in agility demanding sport of Kho Kho at All India Inter NIT Kho Kho 2018-19 organized by NIT Rourkela. Boys' team secured second runner-up championship.

Table Tennis

All India Inter NIT Table Tennis Championship at NIT Nagpur



NIT Nagpur hosted All India Inter NIT Badminton, Table Tennis and Yoga Tournament; SVNIT took part in all the games and performed exceptionally well. Boys' team secured 3rd position in this tournament.

Volleyball

Ganesh Memorial Night Volleyball Tournament



Ganesh Memorial Night Volleyball Tournament was organised by the Hostel Section of the institute. 12 teams from B. Tech, M. Tech, M. Sc., Ph. D. Took parts in this event. 3 days long event ended with many happy and thrilling moments.

All India Inter NIT Volleyball Tournament

All India Inter NIT Volleyball Championship was hosted by NIT Trichy. SVNIT Boys and Girls' teams were made their way up to the quarter finals.

All India Inter NIT Aquatic Championship

NITK, Surathkal hosted the All India Inter NIT Aquatic Championship. SVNIT Surat participated in several swimming events. **Mr. Bharath Raj** won bronze medal in 1500mt Freestyle and bring laureate to the institute. Congratulations to him for this achievement in endurance demanding aquatic sports event.



3.0 THE STAFF

3.1 Academic Staff (Teaching)

As on date 30/06/2019, 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.12.2.

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.12.3.

3.3 Training Staff

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

4.0 TEACHING PROGRAMMES:**4.1 UG Courses Offered:**

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

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

(B.Tech. - First Year - 2018-19)

Discipline	Intake	Open		SC		ST		OBC		DASA / GOI		TOTAL	
		B	G	B	G	B	G	B	G	B	G	B	G
Civil Engg.	94	43	08	13	02	06	01	22	03	04	02	88	16
Mechanical Engg.	208	91	15	27	04	14	02	48	08	19	02	199	31
Electrical Engg.	93	37	10	12	02	05	02	21	03	01	00	76	17
Electronics & Comm.	138	57	12	17	04	07	03	33	06	04	02	118	27
Computer Engg.	94	41	08	12	02	05	01	22	03	09	11	89	25
Chemical Engg.	92	41	08	11	03	04	03	22	03	05	01	83	18
Total	719	310	61	92	17	41	12	168	26	42	18	653	134

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	16	104
	II	Third	85	12	97
	III	Fifth	70	10	80
	IV	Seventh	79	08	87
	TOTAL			322	46
Mechanical Engineering	I	First	199	31	230
	II	Third	202	09	211
	III	Fifth	221	07	228
	IV	Seventh	218	03	221
	TOTAL			840	50
Electrical Engineering	I	First	76	17	93
	II	Third	81	11	92
	III	Fifth	71	11	82
	IV	Seventh	74	20	94
	TOTAL			302	59
Electronics & Communication Engineering	I	First	118	27	145
	II	Third	114	29	143
	III	Fifth	83	48	131
	IV	Seventh	97	39	136
	TOTAL			412	143
Computer Engineering	I	First	89	25	114
	II	Third	96	15	111
	III	Fifth	89	25	114
	IV	Seventh	66	37	103
	TOTAL			340	102
Chemical Engineering	I	First	83	18	101
	II	Third	76	15	91
	III	Fifth	72	16	88
	IV	Seventh	63	17	80
	TOTAL			294	66
GRAND TOTAL			2510	466	2976

Five Year Integrated M. Sc. Programmes (Academic Year 2018-19)

Branch	Year	Semester	Boys	Girls	Total
Physics	I	First	48	11	59
	II	Third	35	09	44
	III	Fifth	15	04	19
	IV	Seventh	35	08	43
	V	Ninth	33	13	46
	Total			166	45
Chemistry	I	First	46	09	55
	II	Third	20	11	31
	III	Fifth	07	04	11
	IV	Seventh	18	13	31
	V	Ninth	25	18	43
	Total			116	55
Mathematics	I	First	39	12	51
	II	Third	37	15	52
	III	Fifth	12	06	18
	IV	Seventh	29	09	38
	V	Ninth	31	16	47
	Total			148	58
Grand Total			430	158	588

P.G. Programmes (M.Tech.) : (Academic Year 2018-19)

Branch	Year	Boys	Girls	Total
Soil Mech. & Foundation Engg.				
First Sem	I	17	01	18
Third Sem	II	09	06	15
Water Resource Engg.				
First Sem	I	16	03	19
Third Sem	II	15	03	18
Environmental Engg.				
First Sem	I	10	08	18
Third Sem	II	16	00	16
Urban Planning				
First Sem	I	09	08	17
Third Sem	II	13	04	17
Structural Engg.				
First Sem	I	17	02	19
Third Sem	II	09	03	12
Transportation Engg. & Planning				
First Sem	I	17	01	18
Third Sem	II	13	06	19

Branch	Year	Boys	Girls	Total
Mechanical Engg. (General)				
First Sem	I	19	00	19
Third Sem	II	18	00	18
Turbo Machines				
First Sem	I	14	01	15
Third Sem	II	16	01	17
Manufacturing Engg.				
First Sem	I	16	01	17
Third Sem	II	19	00	19
Thermal System Design				
First Sem	I	17	00	17
Third Sem	II	18	00	18
CAD-CAM				
First Sem	I	18	01	19
Third Sem	II	15	00	15
Power Electronics & Electrical Drives				
First Sem	I	13	03	16
Third Sem	II	14	03	17
Power Systems				
First Sem	I	17	00	17
Third Sem	II	11	04	15
Communication Systems				
First Sem	I	11	06	17
Third Sem	II	11	05	16
VLSI & Embedded Systems				
First Sem	I	14	05	19
Third Sem	II	11	06	17
Computer Engg.				
First Sem	I	11	05	16
Third Sem	II	12	03	15
Chemical Engg.				
First Sem	I	08	05	13
Third Sem	II	11	03	14
Total of First Sem		244	50	294
Total of Third Sem		231	47	278
Total of First & Third Sem		475	97	572

M.Tech. (Research) (Academic Year 2018-19)

Departments	Admission Year	Boys	Girls	Total
Civil Engineering	2014-15	01	00	01
	2017-18	01	00	01
	Total	02	00	02
Applied Mechanics	2012-13	02	00	02
	2013-14	01	00	01
	Total	03	00	03
Grand Total		05	00	05

Ph.D. Programmes (Academic Year 2018-19)

(Engineering) : (A)

Departments	Admission Year	Boys	Girls	Total
Mechanical Engineering	2010-11	01	01	02
	2011-12	03	00	03
	2012-13	06	01	07
	2013-14	07	00	07
	2014-15	15	03	18
	2015-16	15	01	16
	2016-17	17	01	18
	2017-18	20	00	20
	2018-19	30	01	31
	Total	114	08	122
Civil Engineering	2011-12	00	01	01
	2012-13	04	03	07
	2013-14	04	06	10
	2014-15	11	07	18
	2015-16	13	04	17
	2016-17	20	02	22
	2017-18	14	07	21
	2018-19	16	09	25
	Total	82	39	121
Applied Mechanics	2010-11	01	01	02
	2011-12	01	01	02
	2012-13	04	01	05
	2013-14	08	01	09
	2014-15	11	06	17
	2015-16	06	02	08
	2016-17	14	03	17
	2017-18	24	05	29
	2018-19	17	00	17
	Total	86	20	106
Chemical Engg.	2011-12	02	00	02
	2013-14	02	01	03
	2014-15	05	03	08

Departments	Admission Year	Boys	Girls	Total
	2015-16	04	00	04
	2016-17	06	00	06
	2017-18	06	04	10
	2018-19	10	02	12
	Total	35	10	45
Electronics & Communication Engg.	2010-11	00	01	01
	2012-13	01	01	02
	2013-14	00	01	01
	2014-15	09	07	16
	2015-16	03	03	06
	2016-17	06	04	10
	2017-18	09	05	14
	2018-19	04	01	05
Total	32	23	55	
Electrical Engineering	2010-11	01	00	01
	2011-12	01	01	02
	2012-13	03	00	03
	2013-14	05	00	05
	2014-15	11	01	12
	2015-16	02	04	06
	2016-17	08	04	12
	2017-18	08	05	13
	2018-19	09	06	15
Total	48	21	69	
Computer Engineering	2009-10	00	01	01
	2012-13	01	00	01
	2014-15	06	00	06
	2015-16	06	05	11
	2016-17	02	00	02
	2017-18	03	06	09
	2018-19	07	03	10
Total	25	15	40	
Total of Engg. (A)		422	136	558

Ph.D. Programmes (Academic Year 2018-19)**(Science) : (B)**

Departments	Admission Year	Boys	Girls	Total
Applied Chemistry	2013-14	02	01	03
	2014-15	03	06	09
	2015-16	02	02	04
	2017-18	06	02	08
	2018-19	04	08	12
Total	17	19	36	
Applied Mathematics	2012-13	00	01	01
	2013-14	04	02	06
	2014-15	04	03	07

Departments	Admission Year	Boys	Girls	Total
	2015-16	01	03	04
	2016-17	04	00	04
	2017-18	03	02	05
	2018-19	04	04	08
	Total	20	15	35
Applied Physics	2011-12	01	00	01
	2012-13	01	00	01
	2014-15	05	01	06
	2015-16	04	02	06
	2016-17	01	01	02
	2017-18	07	02	09
	2018-19	08	05	13
	Total	27	11	38
Management	2013-14	00	02	02
	2016-17	01	01	02
	Total	01	03	04
English	2014-15	00	01	01
	2017-18	00	01	01
	2018-19	00	01	01
	Total	00	03	03
Total of Science (B)		65	51	116
Grand Total (A)+(B)		487	187	674

4.4 Total Students Strength : 4815

4.5 The Hostel:

Hostel section of the institute is established to deal with the matters related to accommodation, food and general wellbeing of the students. Presently, the Institute Campus has 06 boy's hostel, 01 girl's hostel, 1 family hostel and 01 hostel guest house, which provide accommodation to about 3964 students. The activities of hostels are managed by the Council of Wardens (COWs) which includes thirteen Chief Wardens, Associate Dean (Sstudent Welfare) (Co-chairman Cows) and Dean (Student Welfare) (Chairman Cows).

Online Hostel admission is implemented successfully for II year onward since last three years. Student can book their room of their own choice after the online payment of hostel fees from any part of the world. Before the hostel admission to I year students a parent meeting with council of warden is regularly being scheduled. In the meeting details of the hostels, facilities in the hostels, awareness of rules & regulations of the hostels are made among the parents & students. Also, important academic rules are also informed to the parents & students. Presently accommodation is also given to IIIT, Surat students. However, looking into the increase of number of students from the current year, Hostel section will initiate and consult the authority for necessary steps to be taken for fruitful solution.

Hostel inmates organise various events which includes celebrations of various festival like Janmashtmi, Ganesh festival, Navratri, Sarasvati Pooja, Maha-Shivratri and Ramnavmi etc. Hostel section provides financial support to events like Kashis/Abhinandan (first year welcome programme), Dasvidaniya (Final year fare well), sports events like Night Cricket Tournament (MMNCT), Volley Ball, Football etc.

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 Management Committee (HMC)

Hostel management in all hostel is carried out by a Hostel Management Committee (HMC) of Students under the guidance of wardens. The structure of hostel management committee is as follows:

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

The secretaries are elected by the hostel inmates in the beginning of the academic year.

HOSTEL WISE OCCUPANCY-2018-19

Name of Hostel	Year	Total Students	Warden Team
Bhabha Bhavan	B.Tech.II-III Ph.D.	785	Dr. Abhilash Mandloi Shri Bhavesh Gohil Dr. Y.A. Sonvane
Gajjar Bhavan	B.Tech. & M.Sc.I M.Tech.II	903	Dr. Hiren G. Patel Shri Mehul Patel Shri A.J. Solanki
Sarabhai Bhavan	M.Tech.I T.A.	209	Dr. Dinesh Singh Dr. Rakesh Maurya
Nehru Bhavan	M.Sc.II & IV	165	Shri Amit J. Solanki Dr. Suresh Kumar
Raman Bhavan	Ph.D. (Family)	93	Dr. Dinesh Singh Dr. Bina Baloni
Swami Vivekanand Bhavan	B.Tech.III-IV M.Sc.V Ph.D., T.A.	903	Dr. S.R. Patel Dr. A.K. Jana Dr. G.C. Jadeja
Mother Teresa Bhavan (Girls)	B.Tech.I-II-III-IV M.Tech.I-II M.Sc.I-II-III-IV-V Ph.D., TA,	684	Dr. Vasundhara Mahajan Dr. Jignasa Solanki Dr. Jignasa Gohel Dr. Khyati Mistry
Narmad Bhavan	Guest House		Dr. Ashish Dhamaniya
Tagore Bhavan	IIIT-II & Ph.D.	121	Dr. Rakesh Maurya Dr. A.K. Jana

4.6 Scholarship / Assistance-ship 2018-19

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 th	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	67
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	15
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	21
5	The Central Sector Scholarship Scheme of Top Class Education for SC Students	Full fee and other non-refundable charges. Lodging & boarding charges at the rate of Rs.2200 p.m. per students or the actual whichever is less. Books & stationary at the rate of Rs.3000 p.a. per student or the actual. A latest P-IV computer system with all the necessary accessories like UPS, Printer, Multimedia etc. limited to Rs.45000 per students for the entire course of study.	10	70
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. 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.	Not specified	32
7	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	13
8	Indian Oil Scholarship for SC students	Rs.36000/- per annum	Not specified	01
9	National Talent Search Scheme Scholarship	Rs.6000/- per annum	Not Specified	02
10	Chief Minister Scholarship Scheme for Gujarat State (Guj)	50% of tuition fees	Not specified	20
11	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	116
12	Engineers India Ltd. Scholarship for SC/ST students	Rs.3000/- p.m.	Not specified	02
13	CBSE Merit Scholarship Scheme for Professional courses	Rs.1000/- p.m.	Not specified	02
14	Inspire Scholarship for UG Science students	Rs.5000/- p.m. & Rs.20000/- p.a. reimbursement for expenses towards academic research	Not specified	08
15	Foundation for Academic Excellence & Access (FAEA)	Financial support for tuition fees, Hostel fees, Mess book as per scholarship norms	Not Specified	01

Sr. No.	Name of the Scholarship	Value of Scholarship	No. of scholarships available at the college	No. of scholarships awarded
	(BHEL-5)			
16	The Swami Dayanand Educational	Financial Support	Not specified	07
17	National Thermal Power Corporation (NTPC)	Scholarship for SC/ST students	Not Specified	01
18	Financial Assistance from students welfare	Financial Assistant	Not specified	37
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.	Not specified	06
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)	Not specified	03
21	PMSS for Ministry of Railway	Rs.2250/- p.m. for female Rs.2000/- p.m. for male	Not specified	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	Swami Dayanand Edn. Foundation Scholarship	Finaicla Asst.	Not Specified	07
25	Samsung Star Scholar	Subsidy on fees, Hostel Fees and Mess Bill upto 2 lakhs	Not specified	04
POST GRADUATE				
1	M.E./ M.Tech / MS/ M.Design and GATE/GPAT qualified Assistance ship/Scholarship/ Fellowship	12400/- P.M. (Bothe 1 st & 2 nd year) and 5 th year of Dual Degree Programmes)	Not specified	572
Ph.D.				
1	JUNIOR RESEARCH FELLOW (JRF) Post Graduate Degree in Basic Science with NET/ Gate qualification or Post graduate degree in Profession Courses.	25000/-P.M.	Not specified	183
2	SENIOR RESEARCH FELLOW (SRF)	28000/- P.M.	Not specified	88
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 st & 2 nd year) @25000/- P.M. (3 rd 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 Scholarship and Awards:

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 Scholarhsip and Gold Medal every year.
- (v) **Dr. Mrs. Sheru S. Sopariwala Gold Medal**
for award of late Mr. Sohrab S. Sopariwala memories to the toper of (Electrical Engineering)
- (vi) **Smt. Bhavani Narendrakumar Mehta one Gold Medal**
for award of the topper of (Computer Engineering)
- (vii) **Shri N.N. Patel has sponsored one Gold Medal**
for award of Smt. Mahalaxmiben Natwarlal Patel Memories to the topper of (Civil Engineering)
- (viii) **Memory of Late Prof. (Dr.) Mahesh Dahyabhai Desai**
for sponsorship of every year Merit base Case prize award Rs.15000/- to first ranker in M.Tech. Civil with a specialization in Soil Mechanics & Foundation Engineering concerned student.

4.8 Examination Details:

Under Graduate Courses – Bachelor of Technology (Examination April/May 2018)

Discipline	Total No appeared	Total No passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Civil	97	96	62	28	06	Devansh Gandhi	9.37
Mechanical	239	220	147	51	22	Patel Nasar Siraj	9.89
Electrical	95	93	45	44	04	Thakar Ridham Dipakbhai	9.87
Electronics & Comm.	147	145	74	60	11	Aaditya Kaul	9.36
Computer	106	99	60	36	03	Asmita	9.47
Chemical	88	85	49	31	06	Varde Nimesh Bharatbhai	9.53
Total	772	739	437	250	52		

Post Graduate Courses – Five Years Integrated M.Sc. Courses (Examination April/May 2018)

Discipline	Total No appeared	Total No passed	Above 7.5 CGPA	7.5-6.0 CGPA	Below 6.0 CGPA	Topper	CGPA
Chemistry	23	23	09	14	00	Souvik Ghosh	9.65
Physics	18	17	12	05	00	Anagha Kamath	9.51
Mathematics	22	20	12	07	01	Mansha Ashok Kalra	9.50
Total	63	60	33	26	01		

Post Graduate Courses – Master of Technology (M.Tech.) Courses (Examination April/May 2018-19)

Departments	No of students passed
Chemical Engineering	07
Civil Engineering	68
Computer Engineering	17
Electrical Engineering	31
Electronic Engineering	32
Mechanical Engineering	89
Total	244

M.Tech. (Research) (Examination April/May 2018-19)

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

Doctorate Courses – Ph.D. Courses (2018-19)

Department	No. of students
Chemical Engineering	04
Civil Engineering	2
Computer Engineering	03
Electrical Engineering	01
Electronics Engineering	01
Mechanical Engineering	25
Chemistry	05
Mathematics	12
Physics	06
English	00
Management	02
Total	81

4.9 Concessions provided for SCs, STs and Handicapped students.**Concession Details:**

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 CHEMISTRY DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Mr. Ashish Raychura	A Renewable Approach Towards the Development of Wood Protective Polyurethane Coating from Vegetable Oil-Based Polyols.	Dr. Smita Jauhari
02	Bhamore Jigna Rajeshkumar	Synthesis and characterization of ultra-small fluorescent nanoparticles for chemical sensing and bioimaging applications	Dr. Suresh Kumar Kailasa
03	Zuber S Vaid	Aggregation Behaviour of 1-alkyl-3-vinylimidazolium Bromide Ionic Liquids in Aqueous Solution and their Micellar Transition in the presence of Different Additives	Dr. Naved I Malek
04	Mr. Manoj Rathod (October 2017)	Catalytic synthesis of biologically active compounds through multicomponent reactions	Dr. Kalpana C. Maheria
05	Bharat Kanoje	Micellization behaviour of Conventional and Dimeric Surfactant in aqueous solution system: Characterization and their Applications.	Dr. Ketan Kuperkar
06	Amit Shirke	Vegetable oil based polymer synthesis with detailed characterization and their Applications.	Dr. Ketan Kuperkar
07	Dr. Nimisha Singh	Biocompatible Nanoparticles for Cancer Drug Delivery and Therapeutics by Facilitating Nitric Oxide Release	Dr. Rajender Kumar
08	Mrs. Khushbu Patel	Design of hybrid polymeric surfaces with anti-bio fouling properties and their application in biomedicine and environment	Dr. Rajender Kumar
09	Mrs. Yachna Upadhyay	Vitamin B6 cofactors conjugated Fluorogenic and chromogenic probes for the detection of bioactive metal ions and alkaline phosphatase.	Dr. Suban K Sahoo

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Bhumika V. Maheshwari	Some Studies on Extended Hypergeometric Functions	Dr. R. K. Jana Dr. A. K. Shukla
02	Patel Jignasha G.	Some transportation problems and their solutions	Dr. Jayesh Dhodiya
03	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
04	Ms. Nidhi Koushal Yadav	Consumer Behavior towards Ayurvedic System of Medicine: A Comparative Study in Select Districts of Gujarat	Dr. H. P. Bulsara
05	Bhumika Choksi	Solution of some non-linear partial differential equations of porous media by homotopy perturbation sumudu transform method and successive linearization method	Dr. Twinkle R. Singh
06	Ankita R. Devdhara	On Generalization of Szász-Mirakjan operators	Dr. V. N. Mishra Dr. A. K. Shukla
07	Vimal P. Gohil	Analytical Study of Imbibition Phenomena in Two Phase Fluid Flow through Porous Media under the Effect of Magnetic Field Arising in Oil Recovery Process	Dr. Ramakanta Meher

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
08	Dilip Jain	Study on Fixed Point and Best Proximity Point for Contractive type Operators	Dr.D. Gopal
09	Shah Kunjankumar Nileshbhai	Approximate solution of some non-linear partial differential equations arising in porous media by modified homotopy analysis and homotopy perturbation new integral transform method	Dr. Twinkle Singh
10	Chhaya Singh	Soft and Fuzzy Set Based Machine Learning Approaches For The Prediction Of Conformational Epitope	Dr K.R. Pardasani Dr Neeru Adlakha
11	Ratnamala Badge	Finite Element Approach To Study Dynamics Of Nutrients In Rhizosphere Of A Root Of Crops	Dr K.R. Pardasani DrNeeru Adlakha
12	Rakesh L. Das	Production and Procurement based Inventory Models under Imprecise Environment.	Dr. R. K. Jana Dr. M. Maiti
13	Hiren S. Lekhadiya	Satellite Data Assimilation of Extreme Rainfall Events through WRF Model.	Dr. R. K. Jana Dr. P. K. Pal

APPLIED PHYSICS DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Rajesh Sharma	The Quantum Monte Carlo Study Of Ground State Properties Of Electron-Hole Bilayer System	Dr. L. K. Saini
02	Deobrat Singh	AB Initio Study Of Two Dimensional Material For Potential Applications	Dr. Y. A. Sonvane
03	Rathaud Dharmesh	Molecular Interpretation of Exotic Hadrons	Dr. A. K. Rai
04	Vipin Kumar	Density Functional Investigation On Cluster, 2D And Bulk Materials For Developing Novel Semiconductor, Thermoelectric And Sensors	Dr. D. R. Roy
05	Deshmukh Sampat	Study On Cu_3BiS_3 Thin Films Developed By Solution Routes For Solar Cell Application	Dr. V. A. Kheraj
06	Bhagwati Prasad	Investigation of Electronic and Physical Properties of Gallium – based Layered Systems under External Stimuli	Dr. L. K. Saini
07	Nilesh Patel	On Evolution of IRI Model in Predicting Certain Ionospheric Parameters at Indian Low Latitude Region for Ascending Phase Of Solar Cycle 24	Dr. K. N. Pathak

APPLIED MECHANICS DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Shri J B Patel	Study on Pervious Concrete Column for Ground Improvement	Dr C H Solanki
02	Mr. Sankalp	An Experimental Investigation on the Utilization of Processed Waste Materials Generated from Coconut Shells in concrete	Dr D B Raijiwala
03	Mr. Kodag Pradeep Babanrao	Behavior of Axially and Biaxially Loaded Reinforced Concrete Column Strengthened with Glass Fiber Composites	Dr G R Vesmawala
04	Mr. Bogireddy Chandra	Rapid Assessment of Compressibility Behaviour of clayey Soil from Experimental and Finite Element (FE) Simulations	Dr C H Solanki Dr S A Vasanwala
05	Mr. Shivamant	Seismic Hazard Analysis to Determine Ground Motion for Gujarat Region and Site Characterization at Somnath Temple	Dr M K Desai Dr C H Solanki
06	Mr. Mahesh Vasantrao Patil	Experimental study on Utilization of Industrial wastes as a Fine aggregate in Concrete	Dr Y D Patil
07	Mr. Himmat Kalyanbhai Sarvaiya	Experimental and finite element studies on Geosynthetics Encased Floating Stone Columns	Dr C H Solanki
08	Patel Mitali Ramesbhai	Performance Evaluation of externally strengthened RC Beams in Shear and Flexure using various Mechanisms	Dr S A Vasanwala
09	Mr. Patel Sameer Ganpatlal	Operational and Numerical Modal Analysis of Concrete Bridges using Traffic Induced Ambient Vibration	Dr G. R. Vesmawala

APPLIED MECHANICS DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
10	Mr. Kolase Pramod Keshav	Static and dynamic analysis of fiber roller compacted concrete rural road	Dr A K Desai
11	Mr. Mulay Sachin Balkrishna	Use of Sugarcane Bagasse ASH Waste for Sustainable Development of Cementitious System	Dr G R Vesmawala Dr Y D Patil
12	Sungyani Tripathi	Seismic Analysis of Turbo Machinery frame foundation using Barrettes	Dr A K Desai
13	Mrs Hema K. Munot	Electro – chemical studies on corrosion of Polypyrrole coated low carbon steel plates in simulated concrete pore solution	Dr C D Modhera
14	Damyantiben G Badagha	Experimental studies on High Performance concrete using Industrial Waste (Steel Slag)	Dr C D Modhera

CIVIL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Balve Pranita N.	Optimization of Multiobjective Reservoir Operating Policy	Dr. J. N. Patel
02	Varade Smita R.	Determination of optimal Cropping Pattern using available Groundwater for Sinnar Taluka, Maharashtra (India)	Dr. J. N. Patel
03	Preeti Vijay Ramkar	Development of Integrated Approach for Mapping of Flood and Drought in Semi Arid Ungauged River Basin	Dr. S.M. Yadav
04	Sahita Ibopishak Waikhom	Assessment and Development of Total Load Sediment Transport Function for Indian Rivers	Dr. S.M. Yadav
05	Krishna Saw	Travel Time Estimation, Variability and Reliability - Consistency Modeling in Case of Urban Corridors under Mix-Traffic Conditions using Fuzzy-Possibility Approach	Dr. G. J. Joshi Dr. B. K. Katti
06	Boski Chauhan	Study on Effect of Driving Cycle on Pollution levels at Signalised Urban Intersections	Dr. G. J. Joshi Dr.Purnima Parida
07	Mahesh Gadekar	Use of water treatment residuals for colour removal from textile wastewater	M Mansoor Ahammed
08	Tandra Banerjee	Experimental and Numerical Analysis of Nanoparticles Evolution and Dispersion from Gasoline and Diesel Vehicles in Indian Condition	Dr. R. A. Christian
09	Nisha Soni	Integrated Environmental Pollution Potential of Industries with Reference to Wastewater and Air Emissions	Dr. R. A. Christian
10	Ms. Bhoomi R. Andharia	Prediction of Flow Resistance and Bed Level Variations in Alluvial Channels	Dr.V.L.Manekar Dr. P L Patel Dr. P D Porey
11	Mr. Bharadiya Nitin N	Development of crop yield models with reference to current and future climatic projections	Dr.V.L.Manekar
12	Sharad Jagannath Kadbhane	Development of agro-climatic grape yield model with reference to irrigation practices and future perspectives	Dr.V.L.Manekar
13	Neelam S Sharma	Dark Greywater treatment by Filtration system and treatment selection by using soft computing tools (FMCDH and AHP)	Dr.K. D. Yadav
14	Pallav Kumar	Study on operational Characteristics of mixed traffic flow on urban uninterrupted roadway Facility	Dr. Shrinivas Artkatkar Prof G J Joshi
15	Akhilesh Chopuri	Study on travel time variability and reliability for Selected urban bus routes	Dr. Shrinivas Artkatkar Prof G J Joshi
16	Avinash Chaudhary	Behavioral Study on Pedestrian Vehicular Interactions for Deriving Pedestrian Risk Indices at Selected Urban-Midblock Un-Signalized Crosswalks	Dr. Shrinivas Artkatkar Prof G J Joshi
17	Yogeshwar Navandar	Traffic Flow Analysis at Toll Plaza under Mixed Traffic Conditions	Dr.A.Dhamania

CHEMICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Nitu kumari	Preparation and Optimization of Perovskite Thin Film Solar Cells	Dr. Sanjaykumar. R. Patel Dr. Jignasha V. Gohel
02	Sanjay K. Srivastava	Catalytic Up-Gradation of Bio-oil Model Components towards Transportation Fuels and Chemicals	Dr. G. C. Jadeja Dr. J. K. Parikh
03	Satish S. Rikame	Metals and Energy Recovery from Wastewater using Microbial Fuel Cell	Dr. Alka Mungray Dr. A. K. Mungray

COMPUTER ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Brijesh Mehta	Scalable Anonymization Approaches for Privacy Preserving Big Data Publishing	Dr. Udai Pratap Rao
02	J Sathish Kumar	Optimized Resource Management and Clustering in Hierarchical Network of Internet of Things with Situation Aware Cloud based Data Acquisition using UAV for Post Disaster	Dr. Mukesh A. Zaveri

ELECTRICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
01	Hitesh Kishanlal Mehta	Photovoltaic parameter estimation using MPPT	Dr. A.K. Panchal
02	Dhruvesh M. Mehta	Performance of natural fluid in transformer	Dr. P. Kundu Dr. A. Chowdhury
03	Pandya Sundaram B.	Application of meta-heuristic techniques for optimal power flow in hybrid renewable energy source	Dr. H. R. Jariwala
04	Chavda Jiten K	Hybrid energy storage source for EV	Dr. V. A. Shah
05	Patel Nikunj Ramanbhai	Design and testing of C-core radial flux SRM motor in EV application	Dr. V. A. Shah Dr. M. M. Lokhande
06	Gor Chandaniben Pankajkumar	Fault tolerance control of multiphase induction motor drive for EV	Dr. V. A. Shah Dr. M. M. Lokhande
07	Shaikh Mohammed Suhel Abdul Aziz	Performance investigation of Multiphase induction motor drive	Dr. R. Maurya
08	Kashyap Lilabhai Mokariya	Penetration of EV on Indian power grid feasibility analysis challenge and solution.	Dr. V. A. Shah
09	Lakum Ashokkumar Chamanlal	Optimal placement and sizing of active power filter in radial distribution system	Dr. V. Mahajan
10	Jawaharlal Bhukya	Stability analysis and optimization of wind farm based system with artificial intelligence	Dr. V. Mahajan
11	B. R. Ananthapadmanabha	Improved power converter for battery charging application	Dr. R. Maurya Dr. S. R. Arya
12	Mandar Kadu Chaudhari	Performance and design of SRM	Dr. A. Chowdhury
13	Agarwal Sunil Kumar Prahlad Bhai	VSC based HVDC	Dr. P. Kundu
14	Vayalveetil Shimin Sudhakaran	Design of energy management system for hybrid energy source for EV	Dr. V. A. Shah Dr. M. M. Lokhande
15	Patil Yogesh Punjaram	Discrete time control system	Dr. H. G. Patel
16	Kamani Piyushkumar Lavjibhai	Multilevel inverter: reduce count topologies	Dr. M. A. Mulla
17	Patel Payal Pravinbhai	Matrix converter	Dr. M. A. Mulla
18	Bhavina J Patel	Anaesthesia automation	Dr. H. G. Patel
19	Rashmi K. Patel	Stability analysis of multi-converter system	Dr. R. Chudamani
20	Dube Deepali Yogendra	Estimation and control of dynamical system	Dr. S. N. Sharma Dr. H. G. Patel
21	Prajapati Vijaykumar Kanaiyalal	Congestion management of power system with renewable energy resources and energy storage system	Dr. V. Mahajan
22	Prasad Rajeshkumar Mukhtar	Position sensor less control of DFIG	Dr. M. A. Mulla
23	Nagarsheth Shaival	Control of multi variable process: System	Dr. S. N. Sharma

ELECTRICAL ENGINEERING DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
	Hemant	Theoretic View Point	
24	Ritu Jain	Impact of incorporating distributed generation in deregulated energy market	Dr. V. Mahajan
25	Parmar Ashokkumar Bhikhubhai	Supply and demand side resources management and parameters optimization in power market	Dr. P. B. Darji
26	Toppo Elijah Tintius	Efficient motor control for EVs	Dr. R. Chudamani
27	Ashutosh Keshav Giri	Control algorithm for PQ improvement in distributed power generation	Dr. S. R. Arya Dr. R. Maurya
28	Talada Appala Naidu	Design and control of DVR	Dr. S. R. Arya Dr. R. Maurya
29	Aliva Routray	Incorporation of renewable energy source in distribution system	Dr. K. D. Mistry Dr. S. R. Arya
30	Rohit Chirag Vasanthai	Mitigation of SSR using FACTS devices in DFIG	Dr. P. B. Darji & Dr. H. R. Jariwala
31	Kumari Shipra	Passivity based controller for switched electrical network	Dr. S. N. Sharma Dr. R. Maurya
32	Krishnav Bhatia	Electrical safety of micro-grid system	Dr. P. B. Darji Dr. H. R. Jariwala
33	Vaghela Meghnaben Amrutlal	High step up dc-dc converter	Dr. M. A. Mulla
34	Bhatt Dhruvi Sanjay	Estimation and control of non linear system	Dr. S. N. Sharma
35	Patel Dhruva Mukeshbhai	SEN transformer and FACTS device	Dr. A. Chowdhury
36	Vamja Rajan Vinodray	Utilization of solar photovoltaic energy in electrical drives	Dr. M. A. Mulla
37	Sayed Javed Alam	Design and control of UPQC	Dr. S. R. Arya
38	Ramanjaneyulu Alla	Application of impedance source converter	Dr. A. Chowdhury
39	Gupta Jyoti Mahaveer Prasad	Power converter for battery charging application	Dr. Rakesh Maurya
40	Nekar Harshada Madhukar	Virtual inertia in Electrical system	Dr. P. Kundu Dr. (Mrs.) A. Chowdhury
41	Jayadeep Srikokolapu	Design and control of DSTATCOM and its application	Dr. Saba Raj Arya Dr. Rakesh Maurya
42	Shayer Aliasgar Parvez	Power quality in railway electrical power system	Dr. M. A. Mulla
43	Medewar Prashant Ganesh	Related to Carleman linearization	Dr. Hiren G. Patel Dr. S. N. Sharma
44	Mohite Utarksha Laxman	Robust control design for the Biological system	Dr. Hiren G. Patel
45	Manish Yadav	Controller design for the Biological system	Dr. Hiren G. Patel
46	Athul Vijay P K	Application and design of charging current for ultra capacitor	Dr. (Mrs.) V. A. Shah
47	Matharani Kinnariben Chetankumar	Stability analysis of micro-grid	Dr. H. R. Jariwala
48	Chaudhari Himanshukumar Natvarlal	Multilevel converter	Dr. P. B. Darji
49	Neeraj kumar Singh	Cyber security of smart grid	Dr. V. Mahajan
50	Sujitha Janardhanan	power quality improvement using DVR	Dr. M. A. Mulla
51	Payal Joshi	Design and control of SRM for EV	Dr. Varsha A. Shah
52	Anish Tiwari	FACTS Devices	Dr. A. Chowdhary
53	Jayesh Kothavade	Converter transformer design	Dr. P. Kundu
54	Dhanashri Changan	Micro grid dynamic	Dr. P. B. Darji
55	Hardik Pandya	Power Quality	Dr. S. R. Arya
56	Sai Sandeep Boda	Control of Dynamical systems	Dr. H. G. Patel, Dr. K. D. Mistry
57	Nidhi Singh	Partial discharge detection and source localization using UHF sensor	Dr. P. Kundu' Dr. A. Chowdhary
58	Ujval B Vyas	Design and control of fast charging for EV	Dr. Varsha. A. Shah
59	Sonali Akolkar	Distance protection in series compensation	Dr. H. R. Jariwala
60	Haresh Kumar Kairumkonda	Power Quality	Dr. S. R. Arya

ELECTRICAL ENGINEERING DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
61	Rekha Tidke	MPC based induction motor control	Dr.A. Chowdhary

ELECTRONICS ENGINEERING DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
01	Mr. Goklani Hemantkumar Sahijiram	Image Super-resolution using Multi Coupled Dictionary Learning	Dr. J. N. Sarvaiya
02	Mr. Yadav Rahul Suresh Chand	Modeling Fabrication, and Testing of Electromagnetic Bandgap-Inspired Microwave Devices for Sensor Applications	Dr. P. N. Patel
03	Mr. Patel Dhananjay Manohar	Mitigating Transmitter Non-Linearity and Fiber Impairments in Radio over Fiber Technology in Passive Optical Networks	Dr. (Mrs.)U. D. Dalal
04	Mr. Bholebawa Idris Zoherbhai	Software Defined Networking: Architectures and Performance Analysis of Openflow Network Configurations	Dr. (Mrs.)U. D. Dalal
05	Ms. Monika Gambhir	Design Optimization and Experimental Analysis of Long Period Fiber Gratings for Bio-Sensing Applications	Dr. (Mrs.)Shilpi Gupta
06	Ms. Ratnesh Kumari	Realization of ENG Metamaterial-Based Planar Modular Devices for Sensor Applications	Dr. P. N. Patel

MECHANICAL ENGINEERING DEPARATMENT			
No.	Name of Student	Title of Thesis	Guide
01	Gujarati Paresh B.	Development and Experimental Investigations on Two Stage GM Type Pulse Tube Cryocooler for 20 K Applications	Dr. H. B. Naik Dr. K. P. Desai Dr. M. D. Atrey, IIT
02	Rishi Pareek	Development and Analysis of Small Scale Biogas Digester for Efficient Production of Biogas in All Seasons	Dr. H. J. Nagarsheth
03	Jamadar Imran M.	Numerical and Experimental Study of the Vibrations Caused by the Localized Structural Damage to the Raceways and Rollers of the Rolling Element Bearing Using Matrix Method of Dimensional Analysis	Dr. D. P. Vakharia
04	Yadav Gunjan Satish	A Study of Selected Issues of Lean Six Sigma Adoption in Indian Manufacturing Organizations	Dr. T. N. Desai
05	V K Joshi	Some Investigations on Machining of Closed Contour Profile on CNC Milling Machine	Dr. H. K. Raval Dr. K. P. Desai
06	Rajesh Thankam S.	Optimization of a Thermal Spray Process Used in Petrochemical Industries	Dr. R. V. Rao
07	More Kiran C.	Design Optimization of Selected Thermal Using TLBO and Jaya Algorithms	Dr. R. V. Rao
08	Bhatt Ravi J.	Experimental and Finite Element Studies of Single Roller Backward Flow Forming Process for AA6061	Dr. H. K. Raval
09	Rai Kalal Dhiraj Praveen	Development and Applications of Advanced Optimization Algorithms to the Parameters Optimization Problems of Selected Manufacturing Processes	Dr. R. V. Rao
10	Solanki Mitulkumar Thakorbbhai	Estimation of Static Load Carrying Capacity of a Layered Cylindrical Hollow Roller Bearing Through Numerical and Experimental Techniques	Dr. D. P. Vakharia
11	Gosai Dipakkumar C	Performance Evaluation of Twin Cylinder Four Stroke Diesel Engine Under Adiabatic Condition with Thermal Barrier Coatings	Dr. H. J. Nagarsheth
12	Shukla Rajkamal	Parameter Optimization of Selected Non-Traditional Machining Processes and Development of Semi-Empirical Models for Abrasive Water Jet Machining Process	Dr. Dinesh Singh
13	Shah Divyang R	Enhancing Potential of Biogas for its application as a fuel for Internal Combustion Engine	Dr. H. J. Nagarsheth

MECHANICAL ENGINEERING DEPARTMENT			
No.	Name of Student	Title of Thesis	Guide
14	Chougule Pramod D	Energy and Cost Conscious Flexible Process Routing for Sustainable Manufacturing	Dr. Shailendra Kumar Dr. H. K. Raval
15	Mewada Bhavesh G	Experimental Studies and Modelling of Top Arm Angle, Blade Tension and Blade Guide Distance during Metal Cutting Bandsaw Operation	Dr. H. K. Raval
16	Thakare Hitesh Ravindra	Investigations on Vortex Tube & Evaluation of Its Industrial Utility	Dr. A. D. Parekh
17	Jitendra B. Chaudhari	Experimental and Numerical Investigations on Fuel Evaporation Heat Recirculation Small Scale Combustion Chamber	Dr. S. A. Channiwala

5.3 Proposed Plan for Research :

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	Hem Naik	Phytochemistry	Dr. Smita Jauhari
02	DilipKanjariya	Synthetic Organic Chemistry	Dr. Smita Jauhari
03	Chabhadiya Bhadreshkumar	Synthetic Organic Chemistry	Dr. Smita Jauhari
04	Mr. Abhishek M. Soni	Development of Rapid Multiplex Immunoassay based on Fluorescent Quantum dots with Improved Sensitivity and Specificity.	Dr. Bharat Dholakiya
05	Ms. Meenakshi B. Paswan	Biopolymer Synthesis and its Biomedical Application	Dr. Bharat Dholakiya
06	Ms. Nilam R.Gamit	Polymeric Coating for Corrosion Protection of Metal.	Dr. Bharat Dholakiya
07	Mr. S. M. Waysal	Utilization Potential of PET polymer in concrete	Dr. Bharat Dholakiya
08	Ms. Desai Mittal L.	One-step synthetic approaches for preparation of fluorescent hybrid nanomaterials: Characterization and Applications	Dr. Suresh Kumar Kailasa
09	Mr. Kateshiya Mehul R	Designing synthesis of fluorescent nanomaterials and their applications in sensing of chemical species	Dr. Suresh Kumar Kailasa
10	Ms. Borse Shraddha Kishor	Green synthetic approaches for fabrication of fluorescent materials: Analytical Application	Dr. Suresh Kumar Kailasa
11	Ms. Joshi Dharabhen	Course work	Dr Suresh Kumar Kailasa
12	Mr. Ghanaiya Nirav	Course Work	Dr Suresh Kumar Kailasa
13	Mr. Panchal Chintan	Course Work	Dr Suresh Kumar Kailasa
14	Mrs. VinitaBhardwaj	Nano & SupramolecularChemistry	Dr. Suban Sahoo
15	Mr. Mitul Joshi	Nano &SupramolecularChemistry	Dr. Suban Sahoo
16	Ms. Jyotsna M Nayak	Nanomaterials	Dr Rajender Kumar
17	Rajput Sargam	Modulating Interfacial and Micellar Properties of the Surfactants Through External Additives leading to Various nano-Aggregates	Dr. Naved I Malek
18	Shah Ankit	Ionic Liquid based Cell Mimitic Systems	Dr. Naved I Malek

No.	Name of Student	Title of Thesis	Guide
19	MuzammilKuddushi	Ionogel for the Drug Delivery Applications	Dr. Naved Malek
20	Jain Monika	Biodegradable surfactants for the Advanced Applications	Dr. Naved Malek
21	Dharmeshkumar Lathiya	Biodiesel production from maize acid oil feedstock using various solid acid catalysts	Dr. Kalpana Maheria
22	Jenifer Jehanbux Gabla	Green synthesis of biologically active drug-like scaffolds using microporous and mesoporous zeolites via multicomponent reactions	Dr. Kalpana Maheria
23	Henilkumar M. Lankapati	Synthesis, characteristics of inorganic / hybrid materials and their environmental applications	Dr. Kalpana Maheria
24	Dhara H. Morawala	Synthesis, characterization and applications of composites of zeolites	Dr. Kalpana Maheria
25	Aayushi Lodhi	Green Chemistry (Course Work)	Dr. Kalpana Maheria
26	Mrs. Lakhota sonia rajendra prasad	Preparation and characterization of thin film anocomposite (TFN) membrane and its application for water treatment.	Dr. Premlata Kumari
27	Mr. Kureshi Azazahamad Abdulkarim	Phytochemical Investigation of Garicinia species for cytotoxic properties	Dr. Premlata Kumari
28	Zala Ajayrajsinh Rajendrasinh	Synthesis of new bioactive compounds	Dr. Premlata Kumari
29	Kajalben Bharatbhai Patel	Synthesis of new baicalein based bioactive compounds	Dr. Premlata Kumari
30	Anil Jangir	Deep Eutectic Solvents: Characterization & their Application	Dr. Ketan C. Kuperkar
31	Vinod Kumar	Surfactant – Additives interactions	Dr. Ketan C. Kuperkar
32	Dhruvi Patel	Solution behavior and Aggregation of block copolymers	Dr. Ketan C. Kuperkar
33	Divya Patel	Course work (Ongoing) Surfactant/Polymer–Additives interactions	Dr. Ketan C. Kuperkar
34	Ms. Jyotsna M Nayak	Development of Anticancer and antimicrobial nanomaterials	Dr. Rajender Kumar
35	Mr. Anuj Saini	Chiral Molecularly imprinted polymers for stereoselective differentiation.	Dr. Rajender Kumar

M.Sc. Dissertation completed during the year (2018-19)

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. Smita Jauhari	T. Paul Prasanth	Synthesis, characterization and evaluation of diazo coupled Schiff base as an acid corrosion inhibitor
02		Amit Kumar	Extraction of phytochemicals from the bark of BalanitesAegyptiaca and investigation of its pharmacological activities.
03		Bhagwan Zade	Green Extraction and pharmacological evaluation of stem-bark of Acacia Karroo
04	Dr. Bharat Dholakiya	Ms. Avani Shah	Synthesis and Characterization of Polyurethane from Vegetable Oil based Polyols for Coating Applications
05		Ms. Twisha V. Rana	Synthesis and Characterization of Vegetable Oil based Polyols for Biopolyester and Biopolyurethane
06		Ms. Vrushali C. Wani	Synthesis and Characterization of Polyester from Mahua Oil based Polyols for Anti Corrosive Coating on Mild Steel
07		Ms. Monika Gehlot	Synthesis and Characterization of PLA (Poly-Lactic Acid) for Specialty Application
08		Mr. Hiren Busa	Synthesis and Characterization of PLA (Poly-Lactic Acid) by Novel Synthesis Route
09	Dr. Suresh Kumar Kailasa	Mr. Vishal Dhavle	Functionalization of silver nanoparticles for colorimetric sensing of thiram.
10		Ms. Ravalika Sajja	Hexanuclear Ruthenium Complexes as a Potential Electrolyte for Non Aqueous Redox Flow Batteries
11		Ms. Akavaram Soujanya	synthesis of metal nanoclusters using trypsin as a template: analytical applications
12		Snehal Pankaj	Pepsin assisted synthesis of metal Nanoclusters for sensing

No.	Name of Guide	Name of Student	Dissertation Topic
		Mahyavanshi	of Alfuzosin and Mn ²⁺ ions
13		Mr. Mandan VishnuVardhan (Reg. No: I14CY003)	Fluorescence enhancement mechanism for detection of monocrotophos using carbon quantum dots
14	Dr. Suban Sahoo	Akash Gotal	Quantum mechanical andmolecular dynamics studies of host-guest inclusioncomplexation between β -cyclodextrin and pyridoxal-5'-phosphate
15		Ashish Yadav	Vitamin B6 cofactors guidedhighly selective fluorescent turn-on sensing of bioactivehistamine using betacyclodextrin stabilized ZnO quantum dots
16		Amit Kumar	Fluorescent turn-on sensing of Zn(II) and alkaline phosphatase activity using a pyridoxal-5'- phosphate derived Schiff base
17		Kailash Bidiyasar	Reduction reactor processingcycle time in R-6770 (PUresin) and digestion processtransfer in LDV
18	Dr. Naved I Malek	Gurupreet Sing	Volumetric Properties of Aqueous Des Systems At Different Temperatures
19		Nehal Patel	Ionic Liquids as a Low Molecular weight Gelators
20		Mamta Patel	Construction of Inclusion Complexion in the Ester Funtionalized Ionic Liquid based Surfactatns with b-cyclodextrin
21	Dr. Kalpana Maheria	Nisha Patel	Sulfated zirconiacycatalyzed biodieselproduction frommaize acid oil
22		Rishav Krishna	Synthesis of 1-phenyl-1, 2-dihydro-3H-NNaphtho[1,2e]-[1,3] Oxazin-3-One and n-butyllevulinate usingzeolite materials
23		Damin Patel	Studies on kinetic,thermodynamicand sorptionbehavior of Ti-HEDP towards Nd (III) and Sm(III)
24		Priya Patel	Studies on zeolitecatalyzed levulinicester synthesis
25		Vinay Paswan	Studies on kinetic,thermodynamicand sorptionbehavior of hybridion exchangertowards Nd (III)and Sm (III)
26	Dr. Premlata Kumari	Mr. Sunil Kumar	Biological activity of <i>Punicagranatum</i> peel extracts.
27		Mr. Lokesh Kumar Meena	Extraction and biological activity of <i>Acacia nilotica</i> root.
28		Mr. NiravGhinaiya Ms. Seema Yadav	Synthesis, antibacterial and antifungal activity of new quinolone derivative.
29	Dr. Ketan Kuperkar	Krutarth Makwana	Surface-active ionic liquids (SAILs) as pivotal inhibitor tool in metal corrosion inhibition.
30		Shweta Agarwal	Clouding behavior of PEO-PPO-PEO based block copolymers in aqueous solution.
31		Sunny Bhatt	Ternary Deep Eutectic Solvents (Choline Chloride-Glycerol-citric acid) synthesis and characterization.
32		Chintan Patel	Controlled morphology in calcium carbonate using surface-active ionic liquids (SAILs) as a template
33		Shiv Khusagra	Rod-/worm-like micellar transition in cationic surfactant as induced by propyl gallate.
34		Harsh Mandviwala	Excess properties of Choline chloride- Lactic acid based deep eutectic solvents and its binary mixtures with alcohol.
35		Kaushal Hirapara	Drug Solubility enhancement using green Deep Eutectic Solvents
36	Dr. Rajender Kumar	Ms. Surbhi Awasthi	Study of glucose Interaction with the thiolated hemoglobin self -assembled monolayer using Electrochemical Impedance Spectroscopy.
37		Ms. Naina Singh	Preparation of Magnetic B-Cyclodextrin and its Application for removal of Methyl orange.
38		Ms. Kinjal Patel	Mussel Inspired polydopamine coated pencil electrode for determination of Glutathione by electrochemical Impedance spectroscopy.
39		Ms. Paridhi S Jain	Electrochemical detection of Ofloxacin enantiomers using self-assembled monolayer of thiolated B-CD.
40		Mr. Sourav	Synthesis of Lysine grafted polyethylene glycol using cyanuric chloride as conjugating unit

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT

The focus research areas in the department are as follows:

- Fluid Flow through Porous Media, Special Functions, Integral Transform, Fractional Calculus, Optimization Techniques, Numerical Weather Prediction, Approximation Theory, Summability theory, Differential Geometry, Variational Inequalities, Positive linear operators, Mathematical Modeling and Simulation, Operation Research, Numerical solution of Differential equations, Differential Equations, Computational and Mathematical Biology, Biomathematics / Bio-computing / Bioinformatics, Data Mining, Advance Analytic & Numerical Techniques.
- Management area (in Marketing (consumer behaviour, Branding, Green Branding Political Branding Retailing) Technology Innovations and Techno Entrepreneurship, Women Entrepreneurship, Strategy, Supply Chain Management mainly) and caring out research by handling research projects etc.
- Indian English Fiction, Post colonial fiction and Communication skills.

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

Sr. No.	Name of Students	Topic	Guide
1	Nirav D.Patel	Fluid Dynamics	Dr. Ramakanta Meher
2	Rishikesh Yadav	Approximation Theory	Dr. Ramakanta Meher
3	JuhiKesharwani	Fluid Dynamics in Porous Media	Dr. Ramakanta Meher
4	Radharaman Roy	Hypergeometric Functions (area of work)	Dr. R. K. Jana
5	Dhawal J. Bhatt	Approximation Theory (area of work)	Dr. R. K. Jana
6	Ankit Pal	Mathematical Analysis (TBA)	Dr. A. K. Shukla Dr. R. K. Jana
7	Mr. Vijay Saw	Spectral method for fractional PDEs	Dr. Sushil Kumar
8	Mr. Hitesh Banshu	RBF collocation method for fractional PDEs	Dr. Sushil Kumar
9	Mr. Arvind Mishra	Fractional Legendre polynomial	Dr. Sushil Kumar Dr. A. K. Shukla
10	Singh Nisha Brijanand	Numerical Modelling of Calcium dynamics in Myocytes	Dr. Neeru Adlakha
11	Ms. Jagtap Yogita D	Modelling Calcium dynamics in Hepatocytes	Dr. Neeru Adlakha
12	RekhRiddhi K.	PERT and CPM based Problem	Dr. JayeshDhodiya
13	Jaydeep Sosa	GA based hybrid approach to solve multi objectives problem	Dr. JayeshDhodiya
14	VandanaKakaran	Multiobjective uncertain Transportation problem	Dr. JayeshDhodiya
15	Esha Pandya	Factors influencing consumers' initial trust in B2C mobile payments in select cities of Gujarat	Dr. H. P. Bulsara
16	PratiksinghVaghela	Understanding Consumers' Online Shopping Intention for Cosumer Electronic in Select Cities of Gujarat	Dr. H. P. Bulsara
17	Ms. Krupa Sofiya Jeychandran	Quest for a Place of One's Own in the selected works of M.G. Vassanji	Dr. Urvashi Kaushal
18	Ms. Krupali Parekh	A study of Violence in the works of TahmimaAnam and Soravya Khan	Dr. Urvashi Kaushal
19	Mihir Panchal	To be decided	Dr. Twinkle R. Singh Dr. D. Gopal
20	Pravin Baradol	Fixed Point Theory	Dr. D. Gopal
21	Varsoliwala Archana Chandrakant	To be decided	Dr. Twinkle R. Singh Dr. D. Gopal
22	TilvaSurbhiNavnit	Jaya Algorithm based solution for multi objective optimization problem	Dr. JayeshDhodiya
23	Nikam Vishal Eknath		Dr. Dhanajay Gopal
24	ShethShrutiSureshkumar	To be decided	Dr. T. R. Singh
25	Bhoi Sunil Bhaidas	Time tabling optimization algorithm	Dr. JayeshDhodiya
26	Gupta RupaliPannalal	Chebyshev collocation method	Dr. Sushil Kumar

Sr. No.	Name of Students	Topic	Guide
27	Bhattacharya Abir Sanjay	Special Functions (area of work)	Dr. R. K. Jana
28	Pillai AnilaArvindakshan	A study of Myth	Dr. Urvashi Kaushal
29	RohitVerma	Moving boundary problems in biology	Dr. Sushil Kumar

Scholars pursuing M.Sc. Dissertation and their details

Sr. No	Name of Students	Topic	Guide
1	Dhum Ronakkumar M	Solution Of Multiobjective Transportation Problem By Taking Cost As A Function Of Time	Dr. Jayesh M. Dhodiya
2	Sahu Nagesh Sumanshankar	Multiobjective Multi Item Solid Transportation Problem With Cost As A Function Of Time	Dr. Jayesh M. Dhodiya
3	Patel Varshaben H	Multiobjective Transportation Problems With Volume Discount	Dr. Jayesh M. Dhodiya
4	SupriyaMurdia	Model Risk Of Copula-Garch Financial Time Series Model	Dr. JayeshM. Dhodiya
5	Patel JinalBalvantbhai	Fuzzy Multi Objective Pert Problem For Project Management	Dr. Jayesh M. Dhodiya
6	Patel Monika Shankarbhai	Multi-Mode Multi-Objective Fuzzy Pert And Cpm Problem	Dr. Jayesh M. Dhodiya
7	SakariyaHarsad	The Diophantine Equation And Sum Of Squares	Dr.D. Gopal
8	KavitNanavati	Fuzzy Implications	Dr.D. Gopal
9	Saumya Shah	Discontinuity And Fixed Points	Dr.D. Gopal
10	Yadav Jyoti U	Study On Burgers Equation	Dr. Twinkle Singh
11	Satyveer Kumar	Study On Mathematical Models Of Water And Nutrient Uptake By Plants	Dr. Twinkle Singh
12	Nikhil Agrawal	Study Of Brownian Motion Model In Stock Prices Using Stochastic Differential Equation	Dr. Twinkle Singh
13	Jogendra Singh Mertiya	Mathematics And Aerodynamics	Dr. Twinkle Singh
14	Chirayathalukkalamla Jose	A Study On Mathematical Modelling In Agriculture	Dr. Twinkle Singh
15	Bandidilli Kumar Reddy	A Studyon The Effectiveness Of Adomain Decomposition Method On Bio-Mathematical Models	Dr. Twinkle Singh
16	Ms.Chaudhari Bhumika B.	A Study on Gamma Function.	Dr. A. K. Shukla
17	Mr. Sedu Ram	Extended Hypergeometric Functions	Dr. A. K. Shukla
18	Rathod Saloniba Kuldeepsinh	Solution of Nonlinear Partial Differential Equations arising in fluid flow through porous media using Homotopy Analysis Method	Dr.Ramakanta Meher
19	Radhika Kunchhal	A Study on Double Decomposition method for solving Differential equations	Dr.Ramakanta Meher
20	Rahul Kumar Meena	A study on Nonlinear weakly singular integral equation using Homotopy Analysis Method.	Dr.Ramakanta Meher
21	Rakesh Ranjan	Solution of Nonlinear integral Equations Using Differential Transform Method	Dr.RamakantaMeher
22	Faldu Parthkumar Rohitbhai	A Study on Integro-differential equation using Bernstein collocation method.	Dr.Ramakanta Meher
23	Baldaniya ArvindbhaiV	A Study on Jeffery Hamel flow problem using Decomposition method	Dr.Ramakanta Meher
24	Amandeep Kaur	Numerical Solution Of Heat And Water Transport Throughout Clothed Human Skinand Subdermal Tissues	Dr Neeru Adlakha
25	Thummar SagarkumarJ	Finite Difference Solution Of European Optionpricing Black-Scholes Model	Dr Neeru Adlakha
26	Keshav Kumar Paswan	Numerical Solution Of Phosphatetransport In Rhizosphere Of A Root Ofice Plant	Dr Neeru Adlakha
27	Judewin Elson J	Soft Fuzzy Set Approach For Mining Amino Acid Associations In Protein Sequences Of Tumor Cells	Dr Neeru Adlakha
28	Nitinkumar Ramlal Prajapati	Soft Set Approach For Mining Associations In Protein Sequences Of Parkinson's Disease	Dr Neeru Adlakha

Sr. No	Name of Students	Topic	Guide
29	Nikhil Jain	Refined Fuzzy Set Approach For Mining Aminoacid Associations In Protein Sequences Of Diabetes	Dr Neeru Adlakha
30	ParthSartanpara	Some Study on Project Cost Analysis as Application of PERT and CPM	Dr. R. K. Jana
31	Punit Yadav	Some Studies on Eigen Values of Strum-Liouville Problem	Dr. R. K. Jana
32	Salim Mohamd	Studies on Stochastic Optimal Control Problem	Dr. R. K. Jana
33	KhilanSakariya	Some Heuristic Approach to Solve Travelling Salesman Problem	Dr. R. K. Jana
34	Ravi Tanti	Mathematical Inequalities	Dr. R. K. Jana
35	Hiral Brahmhat	Wavelet Transform in Image Processing	Dr. R. K. Jana
36	Kavita Kumar Meena	A study of Haar Wavelet method and its application	Dr.V.H.Pradhan
37	Rakesh Ranjan	Numerical solutions of Parabolic and Elliptic equations	Dr.V.H.Pradhan
38	VarshaKumari	A study of Homotopy Perturbation Transform method and its applications.	Dr.V.H.Pradhan
39	GayatriMeena	A numerical study of porous medium equation	Dr.V.H.Pradhan
40	Ashish Kumar Verma	A study of some boundary layer flow problem	Dr.V.H.Pradhan
41	Yengkhom Priya Devi	Numerical solution of fractional ODEs using radial basis functions	Dr. Sushil Kumar
42	PailaRavikiran	A mathematical model for burden of diabetes and its complications	Dr. Sushil Kumar
43	Abhishek	Study on differential quadrature method	Dr. Sushil Kumar
44	Ahir Harshadbhai P	Solution of non-Fourier bio-heat equation using separation of variable method	Dr. Sushil Kumar

APPLIED PHYSICS DEPARTMENT

The focus research areas in the department are as follows:

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

APPLIED 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))

No.	Name of Student	Title of Thesis	Guide
01	Shri J B Patel	Study on Pervious Concrete Column for Ground Improvement	Dr C H Solanki
02	Mr. Sankalp	An Experimental Investigation on the Utilization of Processed Waste Materials Generated from Coconut Shells in concrete	Dr D B Raijiwala
03	Mr. Kodag Pradeep Babanrao	Behavior of Axially and Biaxially Loaded Reinforced Concrete Column Strengthened with Glass Fiber Composites	Dr G R Vesmawala
04	Mr. Bogireddy Chandra	Rapid Assessment of Compressibility Behaviour of clayey Soil from Experimental and Finite Element (FE) Simulations	Dr C H Solanki Dr S A Vasawala
05	Mr. Shivamant	Seismic Hazard Analysis to Determine Ground Motion for Gujarat Region and Site Characterization at Somnath Temple	Dr M K Desai Dr C H Solanki
06	Mr. Mahesh Vasantrao Patil	Experimental study on Utilization of Industrial wastes as a Fine aggregate in Concrete	Dr Y D Patil
07	Mr. Himmat Kalyanbhai Sarvaiya	Experimental and finite element studies on Geosynthetics Encased Floating Stone Columns	Dr C H Solanki
08	Patel Mitali Ramesbhai	Performance Evaluation of externally strengthened RC Beams in Shear and Flexure using various Mechanisms	Dr S A Vasawala
09	Mr. Patel Sameer Ganpatlal	Operational and Numerical Modal Analysis of Concrete Bridges using Traffic Induced Ambient Vibration	Dr G. R. Vesmawala
10	Mr. Kolase Pramod Keshav	Static and dynamic analysis of fiber roller compacted concrete rural road	Dr A K Desai
11	Mr. Mulay Sachin Balkrishna	Use of Sugarcane Bagasse ASH Waste for Sustainable Development of Cementitious System	Dr G R Vesmawala Dr Y D Patil
12	SUNGYANI TRIPATHI	Seismic Analysis of Turbo Machinery frame foundation using Barrettes	Dr A K Desai
13.	Mrs Hema K. Munot	Electro – chemical studies on corrosion of Polypyrrole coated low carbon steel plates in simulated concrete pore solution	Dr C D Modhera
14	Damyantiben G Badagha (Adm No.:	Experimental studies on High Performance concrete using Industrial Waste (Steel Slag)	Dr C D Modhera

M.Tech. Dissertation completed during the year (2018-19)

Structural Engineering

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr C D Modhera	Ashish Singh	Some Studies on Mechanical Behaviour of Engineered Cementitious Composites
02	Dr Y D Patil	Patil Shubham Dwarkadas	Enhancement of Sustainability in Concrete using High Volume Waste Glass Powder
03	Dr A K Desai	Jai G. Thakkar	Comparative study on tall building having different basement system according to Indian Standards 1893: 2016 and 16700: 2017 with Soil Structure interaction
04	Dr C D Modhera	Ningaraj Shivashankar Benal	Experimental Studies on Some Durability Aspects of Engineered Cementitious Composites
05	Dr G R Vesmawala	Abhinav T.	Seismic Response Control of Chimney using Tuned Mass Dampers
06	Dr A K Desai	Yadav Sneha Hanamant	Behaviour of Tensile Membrane Roof Structures with

No.	Name of Guide	Name of Student	Dissertation Topic
			Variation of Prestress, Material Properties and Geometrical Configurations
07	Dr G R Vesmawala	Vishnu Jayaprakash	Methods of Damage Identification in Structures using modal Parameters
08	Dr Y D Patil	Vhate Shital Arun	Seismic Analysis of Irregular Reinforced Concrete Structures
09	Dr S A Vasankar	Priya Agrawal	A Comparative study of Force Based Design and Direct Displacement Based Design
10	Prof A J Shah	Akash Parihar	Nonlinear Analysis of Building under Tsunami Loading
11	Dr A M Parghi	Ketu J Surati	Seismic Performance Assessment of RC Wall Pier Bridge Reinforced with SMA in Plastic Hinge Region
12	Dr S R Suryawanshi	Patel Jimit D.	Experimental and Numerical Study of RCA-Concrete Beam Subjected to Torsion

M.Tech. Dissertation completed during the year (2018-19)

Soil Mechanics & Foundation Engineering

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr Satyajit Patel	Sayali S. Gosavi	Experimental studies on Class-C Fly Ash for use as a Replacement of Dry Lean Concrete Layer of Rigid Road Pavements
02	Dr C H Solanki	Dave Margi M	Parametric study of buried pipes and its protection using geosynthetics
03	Dr J B Patel	Aakash Shivanand Kamthane	A study of Disconnected Piled Raft Foundations system under Static Vertical loading by Numerical Analysis
04	Dr C H Solanki	Hathiwala Shyam A	Investigation of swelling compressibility and strength characteristics of highly expansive soil stabilized with an economical and environment friendly binder – limestone calcined clay cement LC3
05	Dr S J Shukla	Prashansa Sharma	A Feasibility study of Colloidal Silica as Stabilizing Material for Non-Disruptive Liquefaction
06	Dr Shailendra Kumar	Deepak Kumar Haritwal	Solidification / Stabilization of Industrial Heavy Metal Contaminated Soil using Limestone Calcined Clay Cement (LC3) and Cement.
07	Dr J B Patel	Dinesh Bishnoi	Experimental and Numerical Study of Pile Subjected to Static and Cyclic Loading Constructed on Sloping Ground
08	Dr C H Solanki	Brijesh Kumar Agrawal	Laboratory and FEM study on chemically stabilized and fibre reinforced clayey soil for use as pavement material
09	Dr Satyajit Patel	Sreelakshmi N	Numerical study on Utilization of Flyash as Backfill Material in Reinforced Earth Wall
10	Dr S J Shukla	Swapnali S. Pawar	Study on Compressive Loading Capacity of Helical Piles
11	Dr Satyajit Patel	Revathu Manohar	Experimental and Numerical Studies on Stabilized Class-F Ash for Application in Flexible Road Pavements
12	Dr Shailendra Kumar	Kedar Hrushikesh Namdev	Study on Geogrid Reinforced System in Unpaved Road
13	Dr J B Patel	Modalavalasa Upendra	Experimental and Numerical Study on Load Carrying Capacity of T-Shaped Stone Column in Soft Clayey Deposit
14	Dr Shailendra Kumar	Neeraj Kumar Verma	Comparative study of Granular Anchor Pile and Concrete Pile under Uplift Force in Loose and Medium Dense sand
15	Dr S J Shukla	Chhatrapati Saroj Ranjan Sahoo	Static and Dynamic Analysis of Stabilized Black Cotton Soil for Use as Pavement Material using FEM

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

M.Tech. Dissertation completed during the year (2018-19)

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. J. N. Patel	Mohil Padalia	Economic Analysis of Desalination Plants using Conventional and Solar Energy
02	Dr. J. N. Patel	Vipul Anand	Design and Modelling of RO Desalination Plant using Different Types of Membranes.
03	Dr. P. L. Patel	Gopika Babu	Development of HEC-RTS Model for Upper Tapi Basin, India
04	Dr. P. L. Patel	Kalpesh Baldaniya	An integrated Lumped Conceptual Hydrologic and Hydraulic model for Middle Tapi Basin, India
05	Dr. S. M. Yadav	Mangukiya Nikunj Kalubhai	Assessing role of contour canal in flood inundation extent of semi-arid river basin.
06	Dr. S. M. Yadav	Jijin Mathews	Non-uniform Bed Load Transport Analysis using Field and Flume Data
07	Dr. S. M. Yadav Mr. Darshan Mehta	Zalak Lukhi	Dam Break Analysis: A Case Study of Ukai Dam
08	Dr. S. M. Yadav Mr. Darshan Mehta	Hiran Dhola	Hydrologic Modelling of Semi-Arid River Basin
09	Dr. G. J. Joshi	Vivek Wagh	Evaluating the high temperature performance of neat and modified binder using multiple stress creep and recovery test
10	Dr. G. J. Joshi Dr. S. S. Arkatkar	Rahul Deshwal	Disaggregate Traffic Forecasting and Diversion Analysis for Inter-Regional Traffic Corridor Using Econometric Approach
11	Dr. G. J. Joshi	Purviben Karanjiya	Study on Bus Rapid Transit demand modeling for metropolitan city: A Case study of Surat
12	Dr. G. J. Joshi	Grishma Kharole	Performance assessment of para transit system through user perception in a transit deficient metropolitan city: A

No.	Name of Guide	Name of Student	Dissertation Topic
			Case study of Surat
13	M M Ahammed	Shailendra Singh	Effect of coagulation on granular filtration of greywater
14	M M Ahammed	Himanshu Sadhya	Multicriteria decision making techniques for comparison of different waste to energy technologies.
15	Dr. R. A. Christian	Soumya Priyadarshi	Study of Wastewater Treatment using Microalgae
16	Dr. R. A. Christian	Saurabh Kumar Sharma	Carbon Footprint of Urban Residential Buildings
17	Dr. V.L.Manekar	Mr. Mohan Patil	An estimation of urban flood with Reference to land use land cover Changes
18	Dr. V.L.Manekar	Mr. Amit Pal	Development of Design Rainfall Patterns for Lower Tapi Basin
19	Dr. K.D.Yadav	Ravuri Narendra	Development of the cleaning process in the management of plastic waste
20	Dr. K.D.Yadav	Laxmidhar Hussain	Optimization of environmental parameters for windrow composting of city compost plant
21	Dr. S.S.Arkatkar	Shubham Sharma	Applications of emerging technologies in transportation engineering: few case studies
22	Dr. S.S.Arkatkar	Vikram Singh	Examining travel time reliability and variability on urban arterials using Wi-Fi sensors
23	Dr. S.S.Arkatkar	Nishi Jukte	Developing an image-processing tool for pavement distress measurement
24	Dr. S.S.Arkatkar	Manish Choudhary	Influence of Geometric design consistency on operational characteristics in hilly terrain
25	Dr. S.S.Arkatkar	Trupti More	Determining causal factors for predicting Noise Levels on Urban Arterials
26	Dr. S.S.Arkatkar (Co-Guide)	Rahul Deshwal	Impact of regional economic growth on traffic of NH-48 in South Gujarat
27	Dr. A. Dhamania	Dedwal Pavan Shivsing	Effect of Geogrid Reinforcement on Two Layer Soil System on Weak Expansive Soils
28	Dr. A. Dhamania	Gaurav Yadav	Operational Efficiency of Urban Roadway links using V-Box
29	Dr. A. Dhamania	Chintaman Bari	Delay and Emission Modelling at Manually operated toll plaza under mx traffic conditons
30	Dr. A. Dhamania	Mahindra Deshmukh	Lateral Placement of Vehicles on Urban Arterial Roads under Mixed Traffic Conditions
31	Dr. P. V. Timbadiya	Kalidindi Murali Krishnam Raju	Two-Dimensional Hydrodynamic Model for Prediction of Water Levels in Lower Narmada River During Floods
32	Dr. P. V. Timbadiya	Rahul Kumar	Prediction of Multisite Future Rainfall State From CMP-5 GCM Outputs for Tapi River Basin
33	Dr. P. V. Timbadiya	Mesariya Sayan Dineshbhai	Hydrodynamic Modelling of Upper Tapi River
34	Dr. D A Patel	Nitesh Shukla	Development of Fuzzy Model for Serviceability Index for Heritage Buildings In Indian Scenario
35	Dr. D A Patel	Akshit C Panchani	Condition Assessment and Spatial Provision Analysis of Public Toilets in Surat City
36	Dr N D Jariwala	Tarun Bansal	To determine optimum residual chlorine dose for west zone of Surat city using EPANET software
37	Dr N D Jariwala	Akshay Salunke	Removal of Hexavalent Chromium and bivalent copper from synthetic wastewater by Rhizofiltration using common water hyacinth plan
38	Dr N D Jariwala	Vinay Kumar	Comparative study on performance study on sand filter and plastic media filter for greywater treatment
39	Dr. B. N. Tandel	SUYASH KHARE	Development and comparison of ambient air quality prediction model using multiple linear regression and artificial neural network
40	Dr. B. N. Tandel	CHANDANMAL DARJEE	Development and comparison of traffic noise prediction model using multiple linear regression and artificial neural network
41	Dr. B. N. Tandel	Tulsi Makwana	A laboratory study on phosphate removal using concrete waste
42	P G Agnihotri	Maduru Ganesh	Rainfall Runoff Simulation and Assessment of Groundwater Recharge for Upper Narmada Basin
43	P G Agnihotri	P. Sasi Kumar	Hydrological Modelling and Simulation of Future Flows Based on Changes in LULC

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
- CO₂ Capture
- H₂ 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.

M.Tech. Dissertation completed during the year 2017-18

Sr. No	Name of Guide	Name of Student	Dissertation Topic
1	Satayvir	Dr. G. C. Jadeja	Deep Eutectic Solvent System for Biomass Pretreatment
2	Suraj Patel	Dr. M. A. Desai	Fractionation of Valuable chemicals from industrial waste of turmeric Rhizomes
3	Vaghela Gaurang D	Dr. J. V. Gohel	A study on synthesis optimization of SnO ₂ thin films for application in perovskite solar cells
4	Nistha Roy	Dr. C. M. Patel	Synthesis of MnO ₂ nanoparticles/Graphene oxide based nanocomposite as an electrode material for Supercapacitor application.

Sr. No	Name of Guide	Name of Student	Dissertation Topic
5	Nishita Mangal	Dr. S. R. Patel	Antisolvent Crystallization of clopidogrel
6	Manu Saji Samuel	Dr. M. Mukhopadhyay	Impact of surface property modification on electrode efficiency for energy storage devices.
7	Chirag V Barasara	Dr. V. N. Lad	Studies on electrochemical impedance spectroscopy of oil in water emulsions and salt solutions
8	Nitin Vishwakarm	Dr. Smita Gupta	Application multiwalled carbon nanotubes (MWCNTs) as a nanofluid in enhanced oil recovery
9	Dandekar Payas Girish	Dr. A. K. Jana	Viscosity reduction of Indian heavy crude by emulsification method for efficient pipeline transportation
10	Nikita Gupta	Dr. Z.V.P. Murthy	Effect of tetramethylurea (TMU) and ZIF-67 on the performance of Polysulfone membrane
11	Pranit Samanta	Dr. Alka A Mungray	An approach towards stacking of air cathode osmotic microbial fuel cells
12	Mahale Rohit Shantaram	Dr. P. A. Parikh	Simultaneous Aromatization of C1-C3 Alcohols and N-Hexane Over Various ZSM-5 Zeolite Catalysts

CHEMICAL ENGINEERING DEPARTMENT

Dr. Mausumi Mukhopadhyay:- Nanocomposite membrane for Energy storage, Membrane separation and Biosensor.
Dr Mousumi Chakraborty:- Nano materials, Green Chemistry, Membrane Separation Processes
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. S. R. Patel: Reaction crystallization of organic and inorganic compound, microreactor for production of nanoparticles, sustain drug delivery
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.
Dr PA Parikh: Degradation of biopolymers, Metathesis, Value addition to C5 streams

COMPUTER ENGINEERING DEPARTMENT

Department is very active in different research fields: Information Security, Big Data, Machine Learning, Internet of Things, and Wireless Sensor Network. In information Security field, various topics: privacy preserving for social network publishing and Internet of Things, Location based services for Big data are part of on-going research work. Event localization and optimized resource scheduling and allocation in IoT for post disaster management and surveillance are among the part of Meity, Govt. of India, sponsored research project. Cross layer optimization for routing for quality of service in wireless sensor network is another domain where the department is actively pursuing the research. In the area of data mining, various approaches for sentiment analysis for twitter, mining and classification for imbalance data, fake news identification, distributed approaches for social network data mining, graph based query processing and indexing are the specific topics where the number of research scholars are working. The department has submitted various research proposal to different agencies SERB, DST, and GUJCOST for research fund.

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

No.	Name of Student	Title of Thesis	Guide
01	Mr. Bharat Tidke	Tweeter Data Mining	Dr. R. G. Mehta
02	Mr. Jenish Dhanani	Big data mining	Dr. R. G. Mehta Dr. D. P. Rana
03	Ms. Mitali Desai	Data mining using No SQL Database	Dr. R. G. Mehta Dr. D. P. Rana
04	Mr. MayurMakwana	Big data mining	Dr. R. G. Mehta
05	Ms. Neha	Mining in IoT	Dr. R. G. Mehta
06	ShivajiLahane	Cross Layer Architecture Design / Optimization	Dr. K. N. Jariwala

No.	Name of Student	Title of Thesis	Guide
07	SonalPatil	Image Forgery Techniques	Dr. K. N. Jariwala
08	RasikaKhade	Semantic Based Analysis and Retrieval of Floor plan Images	Dr. K. N. Jariwala
09	Gaurav Buddhawar	Document Image Processing for AI applications	Dr. K. N. Jariwala
10	Nikhil Kulkarni	Network Stochastic Analysis	Dr. K. N. Jariwala
11	Ms. Anjali More	Imbalanced data mining	Dr. D. P. Rana
12	Mr. Jenish Dhanani	Big data mining	Dr. R. G. Mehta Dr. D. P. Rana
13	Ms. IshaYash Agarwal	Social data mining	Dr. D. P. Rana
14	Ms. Mitali Desai	Data mining using No SQL Database	Dr. R. G. Mehta Dr. D. P. Rana
15	Mr. John Kenny	Utility mining	Dr. D. P. Rana
16	Ms. Pranita Mahajan	Health data mining	Dr. D. P. Rana
17	Mr. Nikunj Domadiya	Privacy Preserving Association Rule Mining Approaches for Distributed Healthcare Data	Dr. Udai Pratap Rao
18	Mr. YogeshKapuriya	Decision support system for trading in the financial market	Dr. Udai Pratap Rao
19	Mr. ParmarDilayAmarbhai	Privacy in Location Based Services	Dr. Udai Pratap Rao
20	Mr. Ankur Bang	Security and Privacy in Context Aware IoT Applications	Dr. Udai Pratap Rao
21	Mr. G. B. Jethava	Security and Privacy Issues in Online Social Networks	Dr. Udai Pratap Rao
22	Mr. Chandan Trivedi	Security and Privacy Issues in IoT	Dr. Udai Pratap Rao
23	Mr. AkhilChaurasia	Security and Privacy Issues in IoT	Dr. Udai Pratap Rao
24	KamalkumarMacwan	Privacy Preserving Data Publishing Approaches for Online Social Networks	Dr.Sankita J Patel
25	Unnati shah	Conflict Identification in Non-functional Requirements	Dr.Sankita J Patel Dr. D C Jinwala
26	BintuKadhiwala	Privacy Preserving Data Mining	Dr.Sankita J Patel
27	Hiral Trivedi	IoT stream Data Security	Dr.Sankita J Patel
28	Shivangi Shukla	Biometric Authentication Security	Dr.Sankita J Patel

M.Tech. Dissertation completed during the year (2018-19)

No.	Name of Guide	Name of Student	Dissertation Topic
01	Shri R P GOHIL	Mamtesh Kumar	Object Detection and Recognition using Mobile Net-SSD and LeNet-5 on Qualcomm SDM 845 HDK
02	Shri R P GOHIL	KushalJangid	Automatic Filing of the Results Into Doors of Nightly Run Tests.
03	Dr.R. G. Mehta, Mr. MehulParmar,	Pankaj Upadhyay	Industrial Internet of Things: Oil and Gas Field Applications
04	Dr.R. G. Mehta,	Priyanka Kanwar	Network Data Analysis for Financial and Managerial Application
05	Dr. K. N. Jariwala	Bharani Viswas	Package Management For Remote Software Maintenance of Mammography Machine
06	Dr. K. N. Jariwala	Hemant Suthar	Heap Memory Leak Detection Framework For Embedded System
07	Dr. K. N. Jariwala	Anurag	Single and Multi View 3D Object Reconstruction
08	Dr. D. P. Rana, Mr. Bhupendra Singh, Ericsson	Krishna Meena	Continuous Integration and Continuous Deployment Automation
09	Dr. D. P. Rana,	Pradeep Kumar Yadav	Analysis of Oil and Gas Sensor Data Forecasting for Alert Generation based on Autoregressive Models

No.	Name of Guide	Name of Student	Dissertation Topic
	Mr. Chetan Virparia		
10	Dr. Udai Pratap Rao	Mr. Varimadugu Srinivasula Reddy	Design And Analysis of Hilbert Curve Based Privacy Preserving Approach in Federated Cloud Environment
11	Dr. Udai Pratap Rao	Ms. Suchita Bajaj	Use SharePoint Platform to Create Web Portal and Build Reports using Multidimensional Model
12	Dr.Sankita J Patel	ParthkumarRathod	Assisted Global Navigation Satellite System
13	Dr.Sankita J Patel	Sharma HimanshuJagdish	Angular 2 With REST Integration in Existing Ericsson Next Generation Voucher Server
14	Dr Mukesh A. Zaveri	ShubhamMudkondwar	Context Aware Processing in IoT
15	Dr.Mukesh A. Zaveri	Ujwalkumar V. Rodge	Recognition based Surveillance Application for Smart City

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

Details of Ph.D. done so far

No.	Name of Student	Title of Thesis	Guide
01	Sonje Deepak Murlidhar	Advanced Techniques for Fault Detection and Classification in Three Phase Induction Motor	Dr.PrasantaKundu Dr.AnanditaChowdhury
02	Mukul Dixit	Techno-economic Analysis for Optimal Integration of Shunt Capacitors and Distributed Energy Resources in Distribution Network	Dr.PrasantaKundu Dr. H.R. Jariwala
03	Patel Dharmeshkumar Durlabhbbhai	Development of Digital Protective Schemes for Power Transformer	Dr. Khyati D. Mistry Dr. Nilesh G. Chothani
04	Kherodia Ashok Babulal	Fabrication and Characterization of a- Si:H/nc-Si:H Multilayer Silicon Thin Films	Dr. A.K. Panchal
05	Pandya Hemang Suryakant	Optimized Microgrid Demand Response Management in Smart Grid Paradigm	Dr.AnanditaChowdhury
06	Chetankumar K. Lad	Novel Commutation Torque Ripple Minimization Technique for Brushless DC Motor and its Comparative Evaluation with Existing Methods	Dr.R. Chudamani
07	Pritam Keshavdas Gujarathi	Investigations on Conversion of Conventional Vehicle into Plug-in Hybrid Electric Vehicle and Its Energy Management Strategy for Performance Improvement and Emission Reduction	Dr. V.A. Shah Dr.M.M. Lokhande
08	RathoreSandhya Malloo	LagrangianModeling of Noise-influenced Switched Electrical Networks	Dr. S.N. Sharma
09	Patel Sanjaykumar Kanubhai	Control Algorithms for DSTATCOM to Mitigate Power Quality Problems	Dr.Sabha Raj Arya Dr.Rakesh Maurya

M.Tech. Dissertation completed during the year (2017-18)**(Power Electronics and Electric Drives)**

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. R. Chudamani	Kunal Aswani	Simulation and hardware implementation of a 250 kW bidirectional DC-DC converter
02	Dr. M.A. Mulla	Dobariyavishal J.	High voltage gain Bi-directional DC-DC converter for energy storage system
03	Dr. M.A. Mulla	Niravkumar H. patel	Realization of different control techniques for brushless DC motor using arm cortex-m4 microcontroller
04	Prof J.J. patel	Utsav Shah	Control algorithms & topologies for PFC for bidirectional EV charging system
05	Prof J.J. patel	Surbhi Jain	Implementation of control algorithms for induction motor used in EV application
06	Prof M.D. Gohil	Vishal Maraviya	Grid – Tied inverter for battery energy storage system
07	Dr. Sabha Raj Arya	Akhil Raj P.T	Design and implementation of solar-fed single- input multi-output DC-DC converters
08	Dr. R. Maurya	Ravindra Kumar Saini	Improved Power factor correction converter for plug -in Electric Vehicles with reduced switching stress
09	Dr. R. Maurya	Yesha Prajapati	Battery charging station for multiple electric with power conditioning
10	Prof. V.A. Shah	Arjun K V	Speed control of BLDC motor for electric vehicle application
11	Dr. Sabha Raj Arya	ChityalaAnvesh	Bidirectional DC-DC converter for electric vehicle charging station
12	Dr. A Chowdhury	Samir Tikhe	Speed control of PMSM motor
13	Dr. S. N. Sharma	Ganta Bhanu prakash	Field oriented control of three phase induction motor
14	Prof. M.N. Bhusavalwala	Patel Yoganand R.	Design of EMI compatible DC-DC converter
15	Dr. A Chowdhury	Zainulabedin Sheikh	A study of different magnetically coupled impedance source converters

Electrical Engineering (Power System)

No.	Name of Guide	Name of Student	Dissertation Topic
1.	Dr. H.R. Jariwala	Ankuja Jain	Feasibility analysis of Niti-Ayog's target to achieve EV penetration on power grid
2.	Dr. H.G.Patel	Surani Mehul Kumar Rajeshbhai	Hybrid solar PV and biogas system for rural electrification
3	Dr. P.B.Darji	Dani Khusbu Nitinkumar	Small signal stability enhancement of power system using PSS and TSSC
4	Dr. P.B.Darji	Priyank Kalpeshbhai Gandhi	SSR analysis for IEEE FBM and its mitigation with PSS and TCSC
5	Dr. Prasanta Kundu	Ratheesh E V	Real time health monitoring of DC motors using machine learning
6	Dr. Prasanta Kundu	Photographer Dhruvkumar	Statistical analysis of the breakdown voltage and partial discharge of polymeric insulating materials with different electrode configurations
7	Dr. S.N.Sharma	Chaudhari Chetan Deepak	Design of fractional order PID controller
8	Dr. H.R. Jariwala	Kachhad Vishal M	Symmetrical and asymmetrical voltage dip analysis of DFIG based wind turbine with crowbar protection
9	Dr. A.K.Panchal	Deep Animeshbhai Patel	State of charge estimation for lithium ion battery with different load cycles
10	Dr. H.G.Patel	Chauhan Nirav Mrugeshbhai	Simulation and modelling of wind and solar PV system with maximum power extraction
11	Dr. Varsha A. Saha	Bhagyasree	Design and control of battery charger prototype for electric vehicle
12	Dr. V. Mahajan	Atul Kumar Yadav (P17PS013)	Optimal transmission switching for loss reduction and reliability improvement in power system

No.	Name of Guide	Name of Student	Dissertation Topic
			network
13	Dr. Khyati D.Mistry	Nand Raj	Performance indices based contingency analysis incorporating FACTS devices
14	Prof. M.N. Bhusavalwala	Dhavalkumar Chandrakant Patel	Modelling of photovoltaic panel and improvement in maximum power point tracking
15	Dr. P.B.Darji	Modhawadia Raju Vejabhai	Mitigation of current harmonic related power quality issues using D-STATCOM

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.

M.Tech. Dissertation completed during the year 2018-19 **M. Tech. II (Communication System)**

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr.(Mrs.) J. N. Patel	Shekhar Kumar Yadav	Compressed sensing with low coherence measurement matrix and sparse dictionary learning
02	Dr. (Mrs.)U. D. Dalal	Avhad Pratik Ajit	Design of Fractal and Metamaterial Based Wearable Antenna
03	Dr. K. P. Upla	Rahul Kumar Gupta	Video deblurring using multi scale deep neural network
04	Dr. (Mrs.)S. N. Shah	Sandhu Simran Gurjitsing	Base Station Location and Coverage Optimization using QGIS
05	Dr. A. S. Mandloi	Nitesh Kumar Chahar	Performance Analysis of FSO Link Using Multiple Tx/Rx and Aperture Averaging for Different Weather Conditions
06	Dr. K. P. Upla	Lakhlani Shreeja Dipak	Link adaptation in wireless networks using reinforcement learning
07	Dr.(Mrs.) J. N. Patel	Kriti Datta	Moving object detection using singular value decomposition approach for slow moving objects
08	Dr. K. P. Upla	Zahabiya Khedawala	Deep Learning Based Decoder Architecture for Error Correcting codes
09	Dr.(Mrs.) S. N. Shah	Dishti Tiwari	Unified Diagnostic Services (UDS) based Electronic Control Unit (ECU) Reprogramming and Remote Flashing.
10	Dr. P. N. Patel	Vasimalla Yesudasu	Modelling and Performance Analysis of Surface Plasmon Resonance Based Optical Biosensors
11	Dr. (Mrs.)S. Gupta	Rakesh Kumar Chaudhary	Analysis of Detection Techniques in MIMO and Massive MIMO
12	Dr. P. N. Patel	Thoke Aditya Rajendra	Design and Fabrication of compact Multiband Antenna
13	Dr. (Mrs.)S. Gupta	Rathod Ajay Gulab	Realization of Reflective SOA Based DWDM Bidirectional FSO System
14	Dr. (Mrs.)S. N. Shah	Renu	Analysis of Ionospheric Plasma Bubbles based on α - μ Distribution Model for NavIC
15	Dr. P. N. Patel	Chinthakunta Parmesh	Numerical and Experimental Analysis of Porous Silicon Based Capacitive Sensors Devices
16	Dr. (Mrs.)S. Gupta	Yogesh Kumar	Realization of High Data Rate Combinational Circuit Using All-Optical Logic Gates

M. Tech. II (VLSI & Embedded System)

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. P. J. Engineer	Suman Pandit	Design Automation Using Eldo Tool for Efficient & Faster Design of Clock Cells
02	Prof. P. K. Shah	Jawale Shubhangi C.	Performance optimization design methodology for a functional block
03	Dr. Z. M. Patel	Aditya Korada	Routing Optimization of VLSI System Layout for Delay Reduction
04	Dr. Z. M. Patel	Barwa Neha Nayankumar	Interconnect optimization technique for timing convergence in high speed VLSI designs
05	Dr. P. J. Engineer	Deepak Kumar	FPGA Validation of Different Short Codelength QC-LDPC Decoder
06	Dr. J. N. Sarvaiya	Gagare Namrata Bhau	Rate Adaptation in 802.11n and 802.11ac by varying link parameters
07	Dr. A. D. Darji	Gayatri Saripalli	Noise Reduction in ECG Signals
08	Prof. M. C. Patel	Bobbili Sagar	Design Automation of Optimize IEEE Std. 1687 On chip Instrument Access Networks
09	Prof. P. K. Shah	Akanksha Singh	Designing and optimizing the functional unit block to improve timing & power
10	Prof. P. K. Shah	Rajoo Kumar Gupta	Pre-Silicon Functional Verification Strategy of FPML16 of Execution Unit (EU) of Intel CORE CPUs
11	Dr. Z. M. Patel	Chandraprakash Suwalaka	VLSI Implementation of Reconfigurable FFT/IFFT Processor for OFDM systems
12	Dr. A. D. Darji	Praveen	Implementation of Low Power VLSI DCT Architecture for Wireless Capsule Endoscopy
13	Dr. A. D. Darji	Vishwajeet S B	High Performance DCT Architecture for HEVC
14	Prof. M. C. Patel	Rajesh Kumar	Optimized Packet Classification for Software Defined Networking (SDN)
15	Dr. P. J. Engineer	Wilfred Kisku	Acceleration of DL Based Algorithm (GOTURN) on Zynq SoC Using Vivado™ HLS
16	Dr. J. N. Sarvaiya Dr. A. D. Darji	Thirumala Nagasuresh	All Digital Delay Locked Loop
17	Prof. M. C. Patel	Shah Shrinath Shailesh	Performing Pre-Si Verification of Register Based ALU Using UVM

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.

M.Tech. Dissertation completed during the year (2018-19)

Department Mechanical Engineering

No.	Name of Guide	Name of Student	Dissertation Topic
01	Dr. D. P. Vakharia	Kishankumar Darji	Dynamic Analysis of Five Bar Mechanism Considering Elasticity
02	Dr. D. P. Vakharia	Patel Nitin Chandubhai	Development of Drive for High Voltage Circuit Breaker
03	Dr. D. P. Vakharia	Mehta Sunny	Effect of Addendum Factor Modification on Contact Stress of Spur Gear
04	Dr. R. D. Shah	Anil Kumar Singh	Analysis of Pressure Vessel under Seismic Loading
05	Dr. H. K. Raval	Gore Vishal Shrinivas	Numerical Investigation on Incremental Forming of Tailor Welded Blanks
06	Dr. H. K. Raval	Kaore Ameya	Modelling of Raindrop Erosion on Fibre Reinforced Composites
07	Dr. Shailendra Kumar	Gajjar Sunand	Investigation on Geometric Accuracy in Multi Stage Incremental Sheet Forming
08	Dr. Anil Mahto Dr. H. J. Nagarseth	Rama Nivrutti	Study of 3-PRS Parallel Manipulator
09	Dr. A. A. Shaikh	Tank Prabhu	Optimization of Cooling Plates for Thermal Management of Lithium-ion Battery of Electric Vehicle
10	Dr. Shailendra Kumar	Lakum Hardik	Experimental study on influence of process parameters on thickness distribution in hybrid incremental sheet forming (HISF)
11	Dr. R. D. Shah	Parmar Nikhil	Finite Element Analysis of Bus Body under Different Loading Conditions
12	Dr. A. A. Shaikh	Bahiram Niteen	Investigation on 3D Scanning of non-Geometrical Parts Using Light Scanner
13	Dr. Shailendra Kumar	Archit	Experimental investigation on geometric accuracy of axisymmetric and non-axisymmetric parts processed by SPIF process

No.	Name of Guide	Name of Student	Dissertation Topic
14	Dr. A. V. Doshi Dr. Bade Mukund	Shubham Agrawal	Numerical Investigation of Centrifugal Pump Performance
15	Dr. A. V. Doshi Dr. Bade Mukund	Patel Hardik	Design and Planning of Micro Pelton Turbine and Multistage PAT (Pump as Turbine) Test rig
16	Dr. J. Banerjee	Rohit Singh Gulia	Stability analysis of two phase intermittent slug flow using Open FOAM
17	Dr. Beena Baloni	Sonu Singh	Design and fabrication of high pressure circular duct test setup to study pressure loss within the duct
18	Dr. A. V. Doshi Dr. Bade Mukund	Borad Himanshu	Numerical Investigation for Optimizing the Draft Tube and Impeller Trimming on Pump in Turbine Mode
18	Dr. H. B. Mehta	Dolee Balvantray	Investigations on oscillating motion of pulsating heat pipe using slug-plug approach
19	Dr. J. Banerjee Dr. M. K. Rathod	Vaghela Bhavesh	Heat transfer investigation in horizontal latent heat storage unit
20	Dr. R. D. Shah	Chuhan Ankit	Investigation of Inverse Diffusion Flame and Central Diffusion Flame
21	Mr. Vikram P. Rathod	Deepak Jaiswal	Design and Simulation of a Horizontal Axis Wind Turbine
22	Dr. J. Banerjee	Khalasi Kathan	Dynamic contact Angle Formulation for Numerical Analysis of Micro Scale two-phase flow
23	Mr. Vikram P. Rathod	Rahul Kumar	Design and Simulation of a Tubular Type combustion chamber
24	Dr. A. V. Doshi Dr. Bade Mukund	Harshul Dhote	Planning and Design of Mixed-Flow Pump as Turbine Test rig
25	Dr. J. Banerjee	Patel Rujal	Numerical analysis of the influence tsunami waves on Oscillating Water Column type wave energy convertor
26	Dr. R. D. Shah	Virwal Pritam	Parametric Investigation on upward swirl combustion
27	Dr. S. A. Channiwala	Sureel Dohare	Comparative Study of Traditional and Hooped Pelton Runner
28	Mr. Vikram P. Rathod	Jadav Mayur	Design and analysis of axial wind turbine
29	Mr. Vimal Patel	Chaudhari Hardik	Numerical Investigation of Flow Coefficient for ball valve
30	Dr. V. D. Kalyankar	Vaibhav Karwa	Influence of travel speed on coating characteristics of colmonoy 6 alloy on 304 austenitic stainless steel deposited by plasma transferred arc welding process
31	Dr. H. K. Dave	Brijesh H. Patel	Experimental and Simulation Study on Tensile Behavior of Multi-Patterned FDM Printed Parts
32	Dr. Ravikant	Mahipal Singh	Modeling the Enabler for Sustainable Lean Six Sigma: A Integrated ISM and Fuzzy MICMAC
33	Dr. V. D. Kalyankar	Krishna Kumar Bansal	Weldability of advance materials
34	Dr. H. K. Dave	Chandresh Kumbhani	Some Studies on VARTM Process based Natural Fiber Reinforced Composites
35	Dr. J. V. Menghani	Chirag Vadher	Welding
36	Dr. J. V. Menghani	Hadiya Pravin	Microstructural and mechanical characterization of pre-heated friction stir aluminium welded joint
37	Dr. J. V. Menghani	Anandkumar	Effect of Activated Fluxes in Pulse Current TIG Welding of Mild Steel
38	Dr. T. N. Desai	Harshal Patel	Implementation of Submerged Arc Welding in horizontal position for fabrication of toricone of coke drum
39	Dr. J. V. Menghani	Rohitkumar	Effect of Friction Stir Processing in 5083 Aluminum Alloy MIG Weld
40	Dr. Ravikant	Shubham D. Dable	Evaluating the CSFs for Industry 4.0 enabled Sustainable Supply Chain: A Hybrid Critic and Grey DEMATEL Approach
41	Dr. T. N. Desai	Banai Singh	Implementation of Lean Manufacturing Techniques
42	Dr. Ravikant	Shridhar	A Fuzzy SWARA-DEMATEL Framework to Identify Critical Success Factors of Sustainable Manufacturing Implementation
43	Dr. T. N. Desai	Halpati Akashkumar S.	Analytical Hierarchy Process (AHP) Approach for Selection of Inspection Instrument for Flatness Measurement
44	Dr. M. K. Rathod	Sagar Soni	Experimental investigation of two phase closed thermosyphon

No.	Name of Guide	Name of Student	Dissertation Topic
45	Dr. M. K. Rathod	Akhil K. V.	Investigation of performance enhancement of phase change material with nano particle sand metal chips
46	Dr. P. V. Bhale	Zala Mayank P.	Performance Analysis of 8M ³ Pilot Scale FRP Based Biogas Plant with Pre Treated Food Waste
47	Dr. H. B. Mehta	Shivam Gupta	Vibrating PHP using nanofluids
48	Dr. P. V. Bhale	Dharmendra J. Tailor	Experimental Investigation of Thermal Contact Conductance Between kovar Carrier Plate and Aluminum 6061-T6
49	Dr. P. V. Bhale	Ajay Sharma	Performance Evaluation of Water Based Photovoltaic / Thermal System with Double Glass Photovoltaic Collector
50	Dr. S. A. Channiwala	Biyyala Arunakumar	Modelling and Numerical Study of Producer Gas Fired Engine using Plasma Ignition
51	Dr. M. K. Rathod	Chavda Vishal B.	Design and development of axially grooved heat pipe
52	Dr. H. B. Mehta	Ashish Yadav	Experimental investigations on startup mechanism of vibrating pulsating heat pipe
53	Dr. H. B. Naik Dr. K. P. Desai	Mohak Patel	Investigation of Cryogenic Insulation Heat Transfer Between 300 K and 77 K Temperature
54	Dr. P. V. Bhale	Shardul Amin	Production, Characterization and Application of Refuse Derived Fuel From MSW
55	Mr. M. B. Maisuria Dr. M. K. Rathod	Akash P. Parmar	Thermal performance augmentation of automobile radiator using Nanofluid as coolant
56	Dr. A. D. Parekh	Neel Chavda	Experimental & Numerical Investigation of Condensation Heat Transfer in Mini-Channel Using HFO-1234yf
57	Mr. V. P. Rathod	Chandresh Chaudhari	Solar Dryer
58	Dr. H. B. Naik Dr. K. P. Desai	Ramavath Rajesh Naik	Investigation of G-M Type Pulse Tube Cryocooler
59	Mr. N. G. Patel	Bambhaniya Nagjibhai B.	CFD Analysis of Fluid Through Conical Diffuser for Uniform Outlet Velocity
60	Dr. S. A. Channiwala	Mehta Dhruv H.	Heat Transfer and Pressure Drop Characteristics in Mini-Channel for Single and Two Phase Flow using Water as working fluid
61	Mr. S. N. Pandya	Akhil Sreekumar	In the area of friction stir processing
62	Mr. S. N. Pandya	Deshant Sharma	Thermo-Electric Modelling of Li-ion Battery for xElectric Vehicles
63	Mr. S. N. Pandya	Sachin Yadav	In the area of Tribology
64	Mr. S. N. Pandya	Shah Prkalp Rohit	Numerical Modelling of Heat Transfer During Solidification of Casting
65	Mr. N. G. Patel	Patel Vikaskumar	Design and Analysis of cart
66	Dr. V. D. Kalyankar	Zunake Lakhankumar	Effect of current on weld overlay characteristics of Ni-Cr-Si-B coating on 304 ASS deposited by synergetic pulse-GMAW process
67	Mr. Vimal Patel	Thakur Vikashkumar V.	Development of High Voltage Spring Operated Mechanism for Higher Energy
68	Mr. S. N. Pandya	Parth J. Mangukiya	In the area of Tribology
69	Dr. D. P. Vakhariya	Zade Nilesh Sadashiv	Analysis and Comparison of an Automobile Driveshaft for Different type of Fiber reinforced composites
70	Dr. M. K. Rathod	Kalel Navnath	Numerical Investigation on Tube Finned Heat Exchanger with Vertex Generator
71	Dr. A. A. Shaikh	Chudasama Ravi Pankajbhai	Machining of Non-Geometrical Shape Mould for Composites
72	Mr. N. G. Patel	Solanki Nitin R.	Humidity Measurement
73	Dr. Ravikant	Solanki Chirag Mohanbhai	Evaluation of Renewable Energy Sources in India: A Comparative Analysis of MCDM methods
74	Dr. Shailendra Kumar	Sujith S Naik	Parametric Optimization of 3D printing process using design of experiment approach
75	Mr. Vimal Patel	Parimal Gamit	Design and Analysis of Four Wheel Steering Mechanism
76	Mr. Vimal Patel	Vasava Rahul Kumar Vasantbhai	Performance investigation on axial flow Hydrokinetic turbine

5.4 INSTITUTE – INDUSTRY COLLABORATION

COMPUTER ENGINEERING DEPARTMENT

Sr. No	Student Name	Name of Industry	Work of Nature (Internship)
01	Aksh Patel	Mastercard	Internship
02	Dhruvil Chetankumar Joshi	J.P. Morgan Chase & Co.	Internship
03	Vatsal Mehta	J P Morgan And Chase	Internship
04	Kevinkumar Amipara	Scribe Technologies Inc.	Internship
05	Animesh Panara	Microsoft India	Internship
06	Bharghvi Prajapati	Jp Morgan Chase And Co.	Internship
07	Samarth Modi	Unitedhealth Group	Internship
08	Aakash Vora	Jp Morgan Chase & Co.	Internship
09	Rishit Nikhil Dholakia	Pucho Technologies	Internship
10	Riya Dholakia	Abb	Internship
11	Vidhi Gandhi	J.P.MorganChase&Co	Internship
12	Hunsii Ashar	Mastercard	Internship
13	Pratiti Tapasavikumar Solanki	Ugam	Internship
14	Richa Randeria	Thingscloud	Internship
15	Chinmay Kalegaonkar	Commuteck	Internship
16	Shailja Shah	Mastercard	Internship
17	Aishwarya Agarwal	Jp Morgan Chase & Co	Internship
18	Ayman Mohmmmed Arif Patel	Mastercard	Internship
19	Ayushiben Solanki	Svnit	Internship
20	Nilay Kailashbhai Patel	Amdocs Development Centre India Llp	Internship
21	Charmi Khambhati	Jp Morgan Chase	Internship
22	Amandeep Tiwary	Jpmc	Internship
23	KarthikKini	Ugam Solutions	Internship
24	JigarKanubhai Prajapati	Amdocs India	Internship
25	DhamaKaran kumar Vijaybhai	Amdocs	Internship
26	Lad Arpenkumar Anilbhai	Amdocs	Internship
27	Chudasama Bhavin Hareshbhai	Amdocs	Internship
28	Rishipal Yadav	Adglobal360 India Pvt. Ltd.	Internship
29	Nirav Bharadiya	Mastercard	Internship
30	Alkesh Vaghela	Maq	Internship
31	Parmar Parth Pravinbhai	Amdocs	Internship
32	Anas Sayed	Amazon India	Internship
33	Yugank Trivedi	J.P.Morgan Chase	Internship
34	Swati Bothra	Amdocs Development Centre India Pvt. Ltd.	Internship
35	Sayee Santosh Kulkarni	Indian Institute of Technology Delhi	Internship
36	Jay Dudhat	Amdocs India	Internship
37	Vatsal Amrutlal Bhalodi	IIMAhemedabd	Internship

Sr. No	Student Name	Name of Industry	Work of Nature (Internship)
38	Priyansh Zalavadiya	Amdocs	Internship
39	Shweta	IIM Ahmedabad	Internship
40	Kaushal Meena	White Panda	Internship
41	Aishwarya Solanki	Mesh Edu	Internship
42	Komal Kolte	IIM Ahmedabad	Internship
43	Shailesh Baldniya	Amdocs	Internship
44	Divyani Mittal	Reliance JioInfocomm Limited	Internship
45	Tanishka Khatri	Amazon	Internship
46	ChavvaJyothi	Amazon	Internship
47	Deepanshu Sharma	UgamSezPvt. Ltd.	Internship
48	Kothi Shalini Reddy	Jp Morgan Chase And Co.	Internship
49	Vatsavayi Sandeep Varma	J P Morgan Chase & Co	Internship
50	Mansi Jain	Optum Global Solutions (Uhg)	Internship
51	Gandham Venkata Sai Harsha	MaqSoftwares	Internship
52	Mygapula LathaRatna Sri	Maq Software	Internship
53	Surbhi Parmar	ONGC	Internship
54	Snehal Shaevya	Ice Technology Lab	Internship
55	Archit Sharma	NavritiTechnologies	Internship
56	Karan Juneja	Amazon	Internship
57	Kaduru Tulasi Rohit	J.P.Morgan Chase	Internship
58	Karishma Wadhwaney	Maq Software	Internship
59	Simran Bawkar	Amazon	Internship
60	Jayesh Rathod	Maq Software	Internship
61	Aarchi Patel	Mastercard	Internship
62	P.G.S. Pranaya	Investosure	Internship
63	Ruchit Patel	Mastercard	Internship
64	Naragoni Sairam	Jp Morgan Chase	Internship
65	Apurva Tripathi	Ugam Solutions SezPvt. Ltd.	Internship
66	Vaibhav Agrawal	J.P. Morgan Chase & Co.	Internship
67	Mandem Prasanna	Wipro	Internship
68	Pooja Suthar	J.P. Morgan	Internship
69	Swapnil Girdhar Patel	Amazon	Internship
70	Nisarg Patel	ExperthubIndustry Skill Development Centre	Internship

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	Dr. S.R. Gandhi Chairman, BOG, SVNIT, Surat
02	Special Secretary / Additional Secretary / Joint Secretary dealing with Technical Section, Department of Higher Education, Ministry of Human Resource Development.	Member	Shri Sanjeeb kumar Sharma Director (NIT's) MHRD, New Delhi
03	Financial Advisor, Department of Higher Education, Ministry of Human Resource Development	Member	Shri Ashok Maheswari 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	Shri Jay Prakash Agarwal 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	Ms. Sabha Tole Prof. Deptt. Of Biological Science, Tata Inst. Of Foundation of Research Member Ms. Sharmila Mande Chief Scit. R&D, Bio Science, Pune
08	Director of the One of the IIT to be nominated by Central Government.	Member	Shri Amit Prashant 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	Dr. B.K. Samtani Professor, MED, SVNIT, Surat Dr. P. Kundu Asso. Prof., EED, SVNIT, Surat
11	Director of the Institute – Ex-officio	Member	Dr. S.R. Gandhi Director, SVNIT, Surat
12	Registrar of the Institute – Ex-officio	Member Secretary	Dr. K.D. Yadav I/C Registrar, SVNIT, Surat

6.3 FINANCE COMMITTEE:

01	The Chairman, Ex-officio who shall be the Chairman of the Committee	Chairman	Dr. S.R. Gandhi Chairman, BOG, SVNIT, Surat
02	Two persons nominated by Central Government	Member	Shri Sanjeebkumar Sharma Director(NIT's) MHRD, New Delhi
03		Member	Shri Ashok Maheswari Director (IFD) MHRD, New Delhi
04	Two person nominated by Board amongst its members	Member	Dr. B.K. Samtani Professor, CED, SVNIT, Surat
05			Dr. P. Kundu Asso. Prof., EED, SVNIT, Surat
06	Director, Ex-officio	Member	Dr. S.R. Gandhi Director, SVNIT, Surat
07	Registrar, Ex-officio	Member Secretary	Dr. K.D. Yadav I/C Registrar, SVNIT, Surat

6.4 BUILDING & WORKS COMMITTEE:

01	Director, Ex-officio	Chairman	Dr. S.R. Gandhi Director, SVNIT, Surat
02	One persons nominated by Government of India	Member	Shri K. Rajan Under Secretary (NIT) Rep. of Director (NIT's) MHRD, New Delhi
03	One persons nominated by MHRD, Government of India	Member	Shri Rajesh Singh Director (IFD) MHRD, New Delhi
04	One person nominated by Board amongst its member	Member	Shri A.K. Jain Sp. Director General (CPWD) (Rtd.) NOIDA (UP) 201 301
05	Nominee of CPWD / PWD (Civil Wing)	Member	Shri K.M. Patel Dy. Ex. Engr. Rep. of Supdtg. Engr. (Civil) R&B Circle, Surat
06	Nominee of CPWD / PWD (Elect. Engg.)	Member	Shri Rajesh Bhagwani Executive Engr. (Elect.) CPWD, Gandhinagar
07	Dean, Planning & Development	Member	Dr. G.J. Joshi Den (P&D) SVNIT, Surat
08	Registrar, Ex-officio	Member Secretary	Dr. K.D. Yadav I/C Registrar, SVNIT, Surat

6.5 PURCHASE COMMITTEE

01	Dr. S.R. Gandhi, Director, SVNIT, Surat	Chairman
02	Shri P.K. Chopra, Registrar, IIT, Gandhinagar	Member
03	Shri S.S. Major Prof. in Physics, IIT Powai, Mumbai	Member
04	Dr. P.L. Patel Professor in CED, SVNIT, Surat	Member
05	Dr. (Mrs.) U.D. Dalal, Asst. Prof., ECED, SVNIT, Surat	Member
06	Shri R.D. Ruparel I/C. Dy. Registrar (A/Cs), SVNIT, Surat	Member
05	Dr. K.D. Yadav 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. Pranab Kaumar Mohapatra, Professor, CED, IIT, Gandhinagar	:	External Member
03	Prof. Vivek Bhandari, Vice Chancellor, Auro University	:	External Member
04	Dr. Rekha Kulkarni, Professor, Deptt. of Mathematics,	:	External Member
05	Dr. P.L. Patel, Dean (Acad), SVNIT, Surat	:	Member
06	Dr. Dyotirmay Banerjee, Dean (Academic) SVNIT, Surat	:	Member
07	Dr. V.H. Preadhan, Dean (Student Welfare) SVNIT, Surat	:	Member
08	Dr. R. Venkata Rao, Dean (Faculty Welfare) SVNIT, Surat	:	Member
09	Dr. A.A. Shaikh, Dean (R&C) SVNIT, Surat.	:	Member
10	Dr. G.J. Joshi, Dean (P&D) SVNIT, Surat	:	Member
11	Dr. H.R. Jariwala, Asso. Dean (Academic) SVNIT, Surat	:	Member
12	Dr. H.G. Patel, Asso. Dean (Student Welfare) SVNIT, Surat	:	Member
13	Dr. Vipul Kharej, Asso Dean (Faculty Welfare) SVNIT, Surat	:	Member
14	Dr. J.K. Parikh, Asso. Dean (R&C) SVNIT, Surat	:	Member
15	Dr. G.R. Vesmawala, Asso. Dean (P&D) SVNIT, Surat	:	Member
16	Dr. Shailendra Kumar, Prof. & Head, MED, SVNIT, Surat	:	Member
17	Dr. S.N. Sharma, Prof. & Head, EED, SVNIT, Surat	:	Member
18	Dr. M.A. Zaveri, Prof. & Head, COED, SVNIT, Surat	:	Member
19	Dr. M. Mansoor Ahmed, Prof. & Head, CED, SVNIT, Surat	:	Member
20	Dr. M. Mukhopadhyay, Prof. & Head, CHED, SVNIT, Surat	:	Member
21	Dr. Y.D. Patil, Asso. Prof. & Head, AMD, SVNIT, Surat	:	Member
22	Dr. A.D. Darji, Asso. Prof. & Head, ECED, SVNIT, Surat	:	Member
23	Dr. B.Z. Dholakiya, Asso. Prof. & Head, ACD, SVNIT, Surat	:	Member
24	Dr. A.K. Rai, Asso. Prof. & Head, APD, SVNIT, Surat	:	Member
25	Dr. Sushil Kumar, Asso. Prof. & Head, AMDD, SVNIT, Surat	:	Member
26	Dr. ZVP Murthy, Professor, CHED, SVNIT, Surat.	:	Member

27	Dr. P.A. Parikh, Professor, CHED, SVNIT, Surat	:	Member
28	Dr. M. Chakraborty, Professor, CHED, SVNIT, Surat	:	Member
29	Dr. S.A. Channiwala, Professor, MED, SVNIT, Surat	:	Member
30	Dr. H.B. Naik, Professor, MED, SVNIT, Surat	:	Member
31	Dr. H.K. Rawal, Professor, MED, SVNIT, Surat	:	Member
32	Dr. K.P. Desai, Professor, MED, SVNIT, Surat	:	Member
33	Dr. H.J. Nagarsheth, Professor, MED, SVNIT, Surat	:	Member
34	Dr. T.N. Desai, Professor, MED, SVNIT, Surat	:	Member
35	Dr. D.V. Bhatt, Professor, MED, SVNIT, Surat	:	Member
36	Dr. D.P. Vakharia, Professor, MED, SVNIT, Surat	:	Member
37	Dr. C.D. Modhera, Professor, AMD, SVNIT, Surat	:	Member
38	Dr. A.K. Desai, Professor, AMD, SVNIT, Surat	:	Member
39	Dr. S.A. Vasanwala, Professor, AMD, SVNIT, Surat	:	Member
40	Dr. C.H. Solanki, Professor, AMD, SVNIT, Surat	:	Member
41	Dr. B.K. Samtani, Professor, CED, SVNIT, Surat	:	Member
42	Dr. R.A. Christian, Professor, CED, SVNIT, Surat	:	Member
43	Dr. A.K. Khambete, Professor, CED, SVNIT, Surat	:	Member
44	Dr. J.N. Patel, Professor, CED, SVNIT, Surat	:	Member
45	Dr. JEM Macwan, Professor, CED, SVNIT, Surat.	:	Member
46	Dr. S.M. Yadav, Professor, CED, SVNIT, Surat.	:	Member
47	Dr. K.A. Chauhan, Professor, CED, SVNIT, Surat.	:	Member
48	Dr. Rakesh Kumar, Professor, CED, SVNIT, Surat.	:	Member
49	Dr. V.L. Manekar, Professor, CED, SVNIT, Surat.	:	Member
50	Dr. P.G. Agnihotri, Professor, CED, SVNIT, Surat.	:	Member
51	Dr. D.R. Patel, Professor, COED, SVNIT, Surat	:	Member
52	Dr. D.C. Jinwala, Professor, COED, SVNIT, Surat	:	Member
53	Dr. Anandita Chowdhury, Professor, EED, SVNIT, Surat	:	Member
54	Dr. V.A. Shah, Professor, EED, SVNIT, Surat	:	Member
55	Dr. R. Chudamani, Professor, EED, SVNIT, Surat	:	Member
56	Dr. A.K. Panchal, Professor, EED, SVNIT, Surat	:	Member
57	Dr. U.D. Dalal, Professor, ECED, SVNIT, Surat	:	Member
58	Dr. A.K. Shukla, Professor, AMHED, SVNIT, Surat	:	Member
59	Dr. Neeru Adlakha, Professor, AMHD, SVNIT, Surat	:	Member
60	Dr. Smita Jauhari, Professor, ACD, SVNIT, Surat	:	Member
61	Dr. K.N. Pathak, Professor, APD, SVNIT, Surat	:	Member
62	Shri Amit C. Patel, I/C Dy. Registrar Acad, SVNIT, Surat	:	Member
63	Dr. K.D. Yadav, I/C Registrar, SVNIT, Surat	:	Member Secretary

6.7 SELECTION COMMITTEE :

(a) The Selection Committee for recruitment of Academic Staff (Excluding the Director and the Deputy Director) or for promotion shall be as under:

- | | | |
|---|---|----------|
| (1) Director | : | Chairman |
| (2) Visitors nominee | : | Member |
| (3) One nominee of the Board one being and expert but other than a member of the Board. | : | Member |
| (4) One expert nominee if Senate from outside the Institute | : | Member |
| (5) Head of the Department concerned (for other than the post of Professor) | : | Member |

(b) The Selection Committee for Technical Posts shall be as under:

- | | | |
|---|---|----------|
| (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 |

(c) The Selection Committee for Administrative and Ministerial Staff shall be as under:

- | | | |
|---|---|----------|
| (1) Director | : | Chairman |
| (2) One expert from outside the Institute | : | Member |
| (3) Nominee of MHRD | : | Member |
| (4) Registrar | : | Member |

(d) The Selection Committee for Senior Administrative and other comparable posts carrying pay scale of Lecturer and above shall be as under

- | | | |
|---|---|----------|
| (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)			
	15-16	16-17	17-18	18-19			15-16	16-17	17-18	18-19 OH-35
				OH-35	OH-36					
Ministry of HRD (Direct Receipt)	6900.00	4200.00	2950.00	2500.00	2500.00	--	4500.00	6700.00	3974.00	NIL
DST Project / BRNS Project	280.92	421.60	144.16	-	-	286.61	--	--	--	--
CSIR & Other Project	255.86	89.29	803.22	-	-	119.51	--	--	--	--
Tuition Fee & other fee	1155.90	3079.29	3323.52	3807.29	-	--	--	--	--	--
Testing / Consultancy / Research Project (OH) 18.5% / 12% / 50% of receipt respectively.	341.28	85.74 (*)	139.55 (**)	-	-	--	--	--	--	--
Other Receipt & Rent from Staff Qtrs., Bank / Hostel / Post Office / Canteen	199.63	423.53	236.14	223.42	-	--	--	--	--	--
TOTAL	9133.59	8299.45	7596.59	6530.71	2500.00	322.87	4500.00	6700.00	3974.00	--

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

(**) As per Reso. No.3 of minutes of 5th meeting of ICSR Board held on 26th 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 2018-19 (Rs. in lacs)

Financial Year	2015-16	2016-17	2017-18	2018-19			2018-19
				OH-31	OH-36	OH-35	
Recurring (Non Plan) Expenditure	7332.41	7909.04	9698.77	5722.63	5465.14	821.67	--
Non Recurring (Plan) Expenditure	8407.00	520.87	828.40	NA	NA	NA	--
DST Projects / BRNS Projects	42.93	129.15	123.36	--	--	--	370.69
CSIR & other Projects	94.80	144.88	472.88	--	--	--	194.77
TOTAL	15877.14	8703.94	11123.41	5722.63	5465.14	821.67	560.14

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 digital access to intellectual 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 shifted to its new building. The new building is planned on modular principles based on the requirements of the Institute Library. It has three spacious floors. The new Library building is centrally 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 building" Louvers are provided on three side walls, semi-transparent 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 (2018-19) under Report the following resources were added to the Library.

	Numbers
Books	400
Gift Books	182
Research Proceedings	08
E-Books	110
Bound /Back Volumes (Print)	251
Dissertation Ph.D. & M.Tech. (Print)	463
Dissertation (Online)	00
CD ROM (Purchased)	25
CD ROM (Along with Books, Journals, Thesis & Dissertation)	93
Print journals subscribed	83
Online individual journals titles subscribed	48

Online journals/Proceedings/standards subscribed through publishers/various agency

American Chemical Society (56 Journals), American Concrete Institute journals (ACI MCP) 4 Journals + MCP package, American Mathematical Society (16 Journals), ASCE proceedings (174 Volumes), ASTM Digital Library (8), EMS Collection (78), Emerald CFTI Collection (310 titles), ICE (Institute of Civil Engineers) Journals package (36 Journals), ProQuest Science Journals (1620 Journals), Royal Society of Chemistry (36 Journals), Science Direct Eight subject collection (1103), Taylor & Francis five subject collections (302 Journals)

Total number of online journals: 3743+

Online Databases

ASM Corrosion Analysis, ASTM Standards, IEEE/IET Electronic Library, Mc-Graw Hill access engineering online database, Patseer patent database, Turnitin plagiarism detection online software

CD-ROM Databases Available

ASME Standards (Except BPVC), British Standards: Euro code, British Standards [5Module], Indian Standards, International Electro Technical Commission (IEC) Standards

E-resources provided by the E- Shodh Sindhu Consortium during Jan-Dec 2018

ACM Digital Library (1143), American Institute of Physics (19), American Physical Society (13), ASCE Journals (36), ASME Journals (29), Economic & Political Weekly (1), Institute for Studies in Industrial Development (ISID) Database, JSTOR (3071), J-Gate Plus (JCCC), MathSciNet Database, Nature Journal (1), Oxford University Press (262), Springer Verlag's Link (1400+), Web of Science

Total number of online journals: 5975+

The total number of books, volumes and electronics documents in the Library at the end of the year, (2018-19) are as under:

Particulars of Reading materials	Numbers
Books (Purchased)	77587
Gift Books	9564
PDDC Books purchased Separately	3856
Book Bank Books	7402
Total Number of Books	98409
Particulars of other reading materials except books	
Research Proceedings	680
Standards	15844
Bound / Back Volumes (Print)	9005
Bound / Back Volumes (Online)	5395
Dissertation (Print)	4302
Photocopies	484
Total No. of other reading materials except books	35710
Actual Total No. of Volumes (Including Books)	134119
Electronic Documents	
Video Cassettes	1045
CD ROM (Purchased)	894
CD ROM (Along with Books, Journals, Thesis & Dissertation)	3564
Floppy Diskettes (Along with Books)	656
Audio Cassettes	18
E-Books	9825
Total No. of Electronic Documents	16002
Print journals subscribed	83
Online individual journals titles subscribed	48

Online Journals/Proceedings/Standards subscribed through publishers/various agency

20 online back files of journals subscribed from John Wiley & Sons, 354 Volumes of Imechе Proceedings back files, 3348 volumes of Springer back files, American Chemical Society (56 Journals), American Concrete Institute journals (ACI MCP) 4 Journals + MCP package, American Mathematical Society (16 Journals), ASCE proceedings (174 Volumes), ASTM Digital Library (8), EMS Collection (78), Emerald CFTI Collection (310 titles), ICE (Institute of Civil Engineers) Journals package (36 Journals), ProQuest Science Journals (1620 Journals), Royal Society of Chemistry (36 Journals), Science Direct Eight subject collection (1103), Taylor & Francis five subject collections (302 Journals).

Total Nos. of online Journals: 7465+

E-resources provided by the E- Shodh Sindhu Consortium during Jan-Dec 2017

ACM Digital Library (1143), American Institute of Physics (19), American Physical Society (13), ASCE Journals (36), ASME Journals (29), Economic & Political Weekly (1), [Institute for Studies in Industrial Development \(ISID\) Database](#), JSTOR (3071), J-Gate Plus (JCCC), MathSciNet Database, Nature Journal (1), Oxford University Press (262), Springer Verlag's Link (1400+), Web of Science

Total number of online journals: 5975+

Online Databases

ASM Corrosion Analysis, ASTM Standards, IEEE/IET Electronic Library, Mc-Graw Hill access engineering online database, Patseer patent database, Turnitin plagiarism detection online software

CD-ROM Database Available

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

The total equipment available in the Library is listed below:

Sr. No.	Name of the Equipment	Quantity
Computer		
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 Dell Optiplex 360, CPU: Due E7500, Memory 4GB DDR2	04
04	IBM Highend Server Xseries 226 Intel Xeon 2.8 Ghz dual processor 2 GB	01
05	Laptop HP Compaq nx6120	01
06	HP Compaq EVO DX 6100 Intel Pentium 4, 3.0 HT	04
Printer		
07	HP Laser jet 1320 N	01
Other Equipments		
08	Toshiba E-studio 160 Xerox machine	01
09	Toshiba E-studio 282 Xerox machine	01
10	Canon Colour Photocopier C2220	01
11	Bar Code Scanner	05
12	HP Scan Jet 5590 Flatebed (digital) Scanner	01
13	On line UPS System rating at UPS 5.0 KVA, 1ph input- 1ph output, Backup time 60 minutes, Make – Pulsive 02, Xsis 1	03
14	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
15	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
16	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
17	Libsys Software (In Linux Platform with Internet embedded Version)	01
18	Windows 2003 server software with 5 client license	01
19	RFID Gates (2 EAS Pedestals having 3 integrated antennas and controller – Model LSP3 Clear	01 Unit
20	LSmart-RFID Staff Station with LSmart-Client S/w compatible with LIBSYS LMS RFID Reader - LSA2-SHD Antenna - LSmart-Client Software	01 Unit

21	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
22	LSOpac Touch Screen Kiosk	01 Unit
23	Quick Heal Anti Virus Software (license)	20

Other Details:

Expenditure incurred during the year under Report on the Books and Journals was Rs.3,78,75,536.00 (LOC Fund)

In addition to LOC fund an amount of Rs.18,98,427.00 was utilized for purchasing books and other reading materials from the Annual Plan Grant.

In addition to the above, the Library is providing facilities to industrialists/individuals surrounding 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 2018-19 the following 28 programs are conducted under the CCE roof.

Duration : (April 2018 – March 2019)

Total No. of Training Programs approved through CCE	:	28
Total No. of Training Programs completed till end of March 2018.	:	28
STTP	:	11
Seminar	:	00
Workshop	:	10
Expert Lecture	:	03
Total No. of Participants till end March 2018	:	
Industry	:	342
Faculty	:	380
Students	:	743
Total No. of participants	:	1589

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	Workshop on River basin planning and Management organised by Dr. S.M. Yadav, CED during 12-13 April 2018	TEQIP	01	01	-	-	32	32
02	AITD training program STTP on Road Safety Engineering measures organised by Dr. J.G.J. Joshi, Dr. Ashish Dhamania and Dr. S. Arkatkar, CED during 16-20 April 2018	AITD sponsored	03	02	39	-	-	39
03	Workshop Training program for RTI organised by Dr. A.J. Shah, AMD on 12 th May 2018	Institute Fund	-	01	-	30	-	30
04	Expert Lecture on Flood Analysis and Modelling organized by Dr. S.M. Yadav, CED during 4-8 June, 2018	Self Sustained	03	07	02	10	13	25
05	STTP on High preference computing (HPC-2018) organized by Dr. R.G. Mehta & Dr. D.P. Rana, COED during 4-8 June 2018	TEQIP	-	06	-	18	12	30
06	Workshop on Tall structures with "CVRM" organized by Dr. A.K. Desai & Dr. CVR Murthy during 16-17 June 2018	Self Sustained	-	06	59	-	-	59
07	AICTE Sponsored Program Workshop on " Faculty Development Program(FDP) for Student Induction" organized by Prof. R.P. Gohil, COED during 18-20 June 2018	AICTE sponsored	-	02	-	84	-	84
08	STTP on Environment auditing made easy: Basics & Analytical test procedure organized by Dr. R.A. Christian & Dr. K.D. Yadav during 3-7 July 2018.	Self Sustained	-	08	37	04	-	41
09	One day Workshop on Review of IS:1893,1930,16700(New) structured Designer Perspective organized by Dr. A.K. Deai, Mr. Vijay Patel & Mr. Nilesh Shah on 6 th July 2018	VHPT System sponsored	-	02	68	11	16	95
10	AITD training program STTP on Road safety Engineering measures organized by Dr. G.J. Joshi, Dr. Ashish Dhamania and Dr. S. Arkatkar	AITD sponsored	03	02	38	-	-	38
11	One week STTP on "Innovation and Entrepreneurship Development" organized by Dr. D.V. Bhatt, Prof. R.P. Gohil, Mr. P.S. Vayeda and Mr. rajbirsingh Saini	Self sustained	05	10	02	10	15	27
12	International conference on Advance Engineering optimization through Intelligent Techniques organized by Dr. R. V. Rao, MED during 3-8 Aug. 2018	Self sustained	01	-	01	7	46	94
13	GIAN STTP on Effective road safety practices: Prevention is better than cure organized by Dr. S. Arkatkar, CED during 6-10 Aug. 2018	GIAN	01	01	06	06	38	50
14	Conference on Recent Advances in Traffic Engineering(RATE-2018) organized by Dr. S. Arkatkar & Dr. G.J. Joshi, CED during 11-12 Aug. 2018.	3M India Ltd., SMC, Surat CSIR, New Delhi	03	05	06	16	57	79
15	Workshop on Flooding in Cities, Warning and dissemination organized by Dr. S.M. Yadav during 20-21 Aug 2018	DHI sponsored	-	07	04	07	37	48
16	International Workshop Developing advanced & Sustainable municipal/Industrial waste water management system multi-stake holder perspective organized by Dr. K.D. Yadav, CED on 14 th Sept. 2018	TEQIP and GIZ	-	13	47	04	30	81
17	One day Expert lecture Fibre-reinforced soils & their applications organized by Dr. C.H. Solanki on 22 Sept. 2018	Self sustained	-	02	-	41	54	85
18	AITD training program STTP on Road Safety Engineering Measure organized by Dr. G.J. Joshi, Dr. Ashish Dhamaniya and Dr. S. Arkatkar, CED during 24-18 Sept. 2018	AITD sponsored	05	01	33	-	-	33
19	STTP on Basics of Tribology and Its Industrial engineering application(BTIEA-2018) organised by Dr. B.M. Sutar and Dr. Sandeep Soni, MED during 22-26 Oct. 2018	TEQIP	-	-	-	10	18	28
20	AITD Training program STTP on Road safety Audit organized by Dr. S. Arkatkar, CED during 22-26 Oct. 2018	AITD	03	05	--	--	35	35
21	STTP on Recent Advance in flood modeling organized by Dr. S.M. Yadav, CED during 3-8 Dec. 2018	TEQIP-III	02	09	--	11	19	30
22	National Conference on Smart and Sustainable Cities organized by Dr. K.A. Chauhan, CED during 22-23 Dec. 2018	TEQIP-II	01	05	--	--	--	124
23	One Day Workshop on Curriculum and Syllabus Revision Workshop of B.Tech and M. Tech. Chemical Engineering organized by Dr. ZVP Murthy, Dr. C.M. Patel and Dr. M.M. Patel, CHED on 2 Jan. 2019	TEQIP-III	--	04	--	13	--	13
24	Refresher Course on Elementary Quantum Mechanics & Spectroscopy organized by Dr. L.K. Saini, ACD during 14-29 Jan. 2019.	INSA	03	04	--	23	-	23
25	Workshop on Value based Ethical Human youth Development for Global skills and entrepreneurship organized by Dr. D.V. Bhatt and R.P. Gohil, SVNIT during 18-19 Jan. 2019	CCE The Inst. Of Engr.	--	05	--	-	100	100
26	International Conference on Recent Trend in nanomaterials for clean energy organized by Dr. Yogesh Sonvane during 16-17 Feb. 2019	Self sustained	--	15	--	12	82	94
27	STTP on Simulations for Engineering applications organized by Dr. V.L. Manekar and Dr. P.V. Timbadiya, CED during 11-15 March, 2019	TEQIP-III	01	02	--	06	26	32
28	Two Days Workshop on "Outcome based Education and NBA accreditation organized Dr. M.A. Zaveri, Shri R.P. Gohil and Dr. S.J. Patel, COED during 15-16 March 2019	TEQIP-III	--	02	--	27	113	140
		TOTAL	39	127	342	380	743	1589

9.0 NOTABLE ACHIEVEMENTS

9.1 Achievements by Faculty and Students:

APPLIED CHEMISTRY DEPARTMENT	
<ul style="list-style-type: none"> • Visiting Research Professor, Chung-Ang University, South Korea (Dr. SK Kailasa) • Visiting Professor, Kyungpook National University, South Korea (Dr. Suban K Sahoo) • Visiting Professor, University of Saskatchewan, SK, Canada (Dr. Kalpana Maheria) • Other achievements of Dr. Kalpana Maheria 	<p>I Indian Patent entitled, "An improved process for the preparation of Dihydropyrimidin-2-ones" granted on 28th September 2018.</p> <p>II My dissertation student, Mr. Rishav Krishna has cleared Central Scientific and Industrial Research (CSIR) - JRF June 2018 examination with an all India rank of 20. He has also qualified the GATE exam with an all India rank of 24 in the year 2019. He got selected to the prestigious IISc Bangalore and TIFR Mumbai institutes vis-a-vis PhD Admission for the session 2019-2020 and has appeared for an interview for Prime Minister Research Fellowship 2019.</p> <p>III Worked as a Judge, judged the presentations during the international conference on Recent trends in Nanomaterials for clean energy (ICRTNCE – 2019) during 16-17th February 2019 organized by Deptt. of Applied Physics, SVNIT, Surat</p> <p>IV Chaired the sessions during international conference on Recent trends in Nanomaterials for clean energy (ICRTNCE – 2019) during 16-17th February 2019 organized by Deptt. of Applied Physics, SVNIT, Surat.</p> <p>V Appointed as examiner in written practical examination at M.Sc. Sem-IV (REG & EVE courses) (Sem –III) (ATKT) (Theory and Practicals) in March April- 2019 examiner at P.T. science college and Veer Narmad South Gujarat University, Surat</p>

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
<p>Dr. Jayesh Dhodiya Best paper award for the paper "Fuzzy preference based Mathematical model for faculty course time slot assignment for remaining courses" in 23rd ISTE State annual faculty Convention 2018 with National conference on Role of Innovation and Human values in Engineering and Technology" Jointly organized by ISTE and SSASIT, Surat on 15th December 2018.</p> <p>Dr. H. P. Bulsara Acted as a Session chair in the International Conference on Business Innovation and Sustainability 2019 (ICBIS2019) during March 01 – 02, 2019 organized by School of Business, Auro University, Surat</p> <p>Dr. H. P. Bulsara Acted as a Session chair in the National Conference on Hospitality, Tourism and Even sector (NCHTES 2018) during December 28 – 29, 2018 organized by School of Business, Auro University, Surat</p>	

APPLIED MECHANICS DEPARTMENT	
NIL	

CIVIL ENGINEERING DEPARTMENT	
NIL	

CHEMICAL ENGINEERING DEPARTMENT	
RESEARCH PROJECTS	
<p>Dr. P.A. Parikh, Dr. Mousumi Chakraborty, Dr A.K. Jana, had received project (Rs. 6.71 Lac) DST grant, Technology Development & Transfer Division for Environmentally Safe Disposal of Refinery Sludges via Catalytic Conversion to Value-added Hydrocarbons (2017-19).</p> <p>Dr. Meghal A. Desai, Dr. Girirajsinh C. Jadeja, had received project (Rs 50.60 lac) from SERB, DST for Mango Waste Valorization through Biorefinery Concept: A Sustainable and Greener Approach for 3 years (2018-2021).</p> <p>Dr. Alka A. Mungray had received project (Rs. 28.46 Lac) from SERB, DST 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).</p> <p>Dr. Arvind Kumar Mungray had received project (Rs 31.18 Lac) from SERB, DST for Integration of Septic Tank and</p>	

Microbial Fuel Cell: a Novel Hybrid System for Sustainable Treatment of Domestic Wastewater for 3 years.(2017-2020).

Dr. Z.V.P. Murthy (Coinvestigator), had received Science & Engineering Research Board (SERB), Department of Science & Technology (Rs.35,04,655/-), for Designing of green synthetic approaches for atomically precise nanoclusters for dictating their specific interactions: Development of miniaturized analytical methods. (Principal Investigator: Dr. Suresh Kumar Kailasa, applied Chemistry Department) (2017-2020)

PATENTS GRANTED : NIL

PATENTS APPLIED

Desai M.A., Parikh J.K., Solanki K.P., (5th January 2019), An integrated equipment for crushing and extraction, Mumbai, Intellectual Property India, Application No: IN 201921000563

VISITING OTHER INSTITUTE

Dr. Mausumi Mukhopadhyay and Dr. A. K. Jana Visited Department of Chemical Engineering, MMMUT Gorakhpur from 28th March /2019 to 30 March 2019 under TEQIP-III Twinning Activity.

Dr. P. A. Parikh, underwent a training programme, LEAP sponsored by MHRD, Gol at NITT, IIIT Sricity and NYT, Singapore during 3rd to 24th February, 2019.

Dr. Mausumi Mukhopadhyay Visited University of Pittsburgh, Pittsburgh, USA on 2nd November, 2018.

PhD/M.TECH EVALUATION OF OTHER INSTITUTE

Dr. Z.V.P.Murthy Attended GTU, Chandkheda, to evaluate Ph.D. student's performance of GTU on 4-5th April, 2018.

Dr. Mausumi Mukhopadhyay, Attended GTU, Chandkheda, to evaluate Ph.D. student's performance of GTU on 4-5th April, 2018.

Dr PA Parikh: Attended GTU, Chandkheda, to evaluate Ph.D. student's performance of GTU on 4-5th April, 2018.

PROJECT PROPOSAL EVALUATED /PAPER SETER ETC.

Dr. Mausumi Mukhopadhyay, Paper setter of Government of India Exam (confidential).

Dr. Meghal A. Desai, External Reviewer for the Proposal of 2019 FONDECYT competition, National Fund for Scientific and Technological Development (FONDECYT), Chilean National Commission for Scientific and Technological Research (CONICYT), CHILE, Date of review submitted: 30th November 2018.

EDITORIAL BOARD MEMBER

Dr. C.M.Patel, Dr. V.N.Lad, Dr. Mausumi Mukhopadhyay and Dr. Z. V. P. Murthy, acted as Guest Editor of journal Separation Science and Technology (Volume 54 Issue 2)

Dr. Z.V.P. Murthy: Editorial Board Member:

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

OTHER ACHIEVEMENTS

- 01 Dr. Meghal A. Desai and Dr. Jigisha K. Parikh get Certificate of Contribution For guiding Dr. Miral Thakker (PhD) who secured First place towards research in cleaner production and clean technology by Gujarat Cleaner Production Centre on 28th February 2019.
- 02 Dr. Mausumi Mukhopadhyay won Best Poster Paper (Co authored with Chirag Mevada) Presentation award, in International Conference on Recent Trends in Nanomaterials for Clean Energy (ICRTNCE-2019) on organized by Department of Applied Physics, SVNIT, Surat on 17th February 2019.
- 03 Dr. A.K. Mungray, Reviewer in National Conference at R.N.G.P.I.T on 19th January 2019.
- 04 Dr. V. N. Lad, has been selected as the State Coordinator for the State of Gujarat, and Union Territory of Dadra and Nagar Haveli to prepare Perspective Plan for Technical Education in India. National Perspective Plan for Technical Education is an AICTE-MHRD initiative.
- 05 Dr. G.C.Jadeja Acted as a Judge for oral presentation at National level conference on "Recent Innovations in Chemical Engineering" organized by Chemical Engineering Department, R.N.G. Patel Institute of Technology (previously known as FETR), Isroli, Bardoli on 18th January 2019.
- 06 Dr. Mausumi Mukhopadhyay, Continuing Professional Competency (CPC): 21 Professional Development hour by AIChE, USA

07	Dr. Mausumi Mukhopadhyaya, UG Poster session Judged in AIChE conference, USA on 29 th October 2018.
08	Dr. Meghal A. Desai, Subject expert on the panel of selection committee for the appointment of Assistant Professor (AdHoc) at Prime Institute of Engineering and Technology, Navsari on 7 th July 2018.
09	Dr. Meghal A. Desai acted as a Judge at National level conference on "Recent Innovations in Chemical Engineering" organized by Chemical Engineering Department, R.N.G. Patel Institute of Technology (previously known as FETR), Isroli, Bardoli on 18 th January 2019.
10	Dr. Z.V.P. Murthy, Staff Selection Committee Member 1. Member of Selection Committee for the Post of Principal: Mahavir Swami College of Engineering & Technology, Bhagwan Mahavir Education Foundation, Surat. 2. Member of Selection Committee for the Post of Principal: Bhagwan Arihant Institute of Technology, Bhagwan Mahavir Education Foundation, Surat.
11	Dr. Z.V.P. Murthy, Member, Board of Studies (Chemical Engineering): Madan Mohan Malaviya University of Technology, Gorakhpur, Uttar Pradesh.
12	Received Best Poster Award: Amol V. Sonawane and Z.V.P. Murthy, Application of MBR for the treatment of different wastewaters. Paper presented at the "Indo-German Joint Scientific Workshop on Membranes for Water and Energy", held at the CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, India, during 18-20 February, 2019. (MW-002).
13	Received Best Oral Paper Presentation Award: Ashwin R. Kamble, Chetan M. Patel and Z.V.P. Murthy, Effects of Inorganic Additive of Two-Dimensional Hexagonal Boron Nitride on the Gas Separation/Permeation for PVDF Derived Membranes. Presented at the DAE-BRNS Biennial Symposium on Emerging Trends in Separation Science and Technology (SESTEC-2018), held at BITS-Pilani, Goa, during May 23-26, 2018. (MST-31, page 105).

Achievement of UG Students:

Dhananjay Dadheech (U16CH091), Participated in CHEMTECH WORLD EXPO 2019, poster presentation on the topic "Manufacturing of Biodegradable PU and its waste management".

Bhuvan Sasank (U16CH059), Participated in CHEMTECH WORLD EXPO 2019, poster presentation on the topic "Algae Biofuels".

Priyanka Kadam (U16CH092), Daxesh M. Vasava (U16CH013), VAGHELA JAYKUMAR A (U16CH018), and ABHAY SATISH DUBEY (U16CH096) Presented poster in Chem Tech World Expo 2019 held at Mumbai.

Swapnil Bhavsar (U17CH070), Participated in Poster Competition held at Chemtech SOP Event on "Corrosion Resistant Coating with Self-Healing Properties" in February 2019.

Anuj Desai (U17CH022) Finalist of Poster Presentation at Chemtech India, 2019 on "Transparent Solar cell".

Pratik Suthar (U17CH079) Completed Internship at Parliament of India.

Pratik Suthar (U17CH079) Gujarat State Co-Convener of Think India.

CONSULTANCY WORK

NIL

COMPUTER ENGINEERING DEPARTMENT
--

Sr. No.	Name of Event	Rank and name of group / Students (B.Tech. II, III and IV)	Period
1.	DOTSLASH : ROOT TO IDEAS	1. Kshitij Suri 2. Raj Shah 3. Shubham Agrawal 4. PriteshkumarTripathi 5. Ujjwal Kumar 6. Vishal Mishra 7. Devarsh Shah 8. Devanshi Bhatia 9. Suryansh Singh Rathod 10. Rishabh Kumar 11. Hemant Kumar Chourasia 12. Jaynil Shah 13. KeshavGoyal 14. Eshan Arora 15. SourabhVarshney 16. Noel Aby Das 17. Rogin Koshy 18. Avinash 19. VidheyJoshiPura 20. Vedansh Agarwal 21. AbhijeetMathur	7 th , 8 th April 2018 and 2 nd , 3 rd Feb 2019
2.	I_Hack Hackathon	1. Raj Shah 2. Hrishabh Sharma 3. Rishabh Kumar 4. Punit Jain 5. Jaynil Shah 6. KeshavGoyal	E-Summit 2019 at IIT Bombay
3.	WAC 2018(What After College)	1. Akash Gangani 2. Suyash S. Trivedi	IIT Bombay (1st & 2nd September)
4.	FOOTPRINTSX8 (Mixed Reality Workshop by Mozilla)	1. Suryansh Singh Rathod 2. Devarsh Shah 3. Vishal Mishra	23-25th February at FootPrintX8
5.	Annual Technical Festival of DAIICT - i. Fest 2018	Rishabh Kumar	5th to 7th Oct 2018 at DAIICT
6.	Indian Rover Challenge 2019	1. Kalash Tiwari	Manipal Institute Technology, Manipal during Jan 9-12, 2019
Online Courses attended by students			
1	Intershala Trainings (Online Summer Training on Web Development) Intershala Trainings (Online Summer Training on Web Development)	1. Suyash S. Trivedi 2. Hemant Kumar Chourasia	22nd June, 2018 to 2nd Aug, 2018
		1. AkashGangani	1st July, 2018 to 11th August, 2018
2	Machine Learning an online non-credit course authorized by Stanford University and offered through Coursera	1. Suryansh Singh Rathod	-
3	Art and Science of Machine Learning an online non-credit course	1. Sourabh Varshney	11-08-2018
4	Convolutional Neural Networks an online non-credit course		06-08-2018
5	How Google does Machine Learning an online non-credit course		24-06-2018
6	Feature Engineering an online non-credit course		30-10-2018
7	Intro to TensorFlow an online non-credit course		14-08-2018
8	Launching into Machine Learning an online non-credit course		02-08-2018
9	Improving Deep Neural Networks :Hyperparameter tuning, Regularization and Optimization an online non-credit course		16-05-2018
10	Machine Learning with TensorFlow		08-11-2018
11	Sequence Models an online non-credit course		14-04-2018

12	Structuring Machine Learning Projects an online non-credit course		30-05-2018
13	Rajasthan Online Hackton 2018	1. Ujjwal Kumar 2. Hrishabh Sharma	6 th to 8 th July, 2018

B.Tech. Publication

1. Rishipal Yadav, UdaiPratap Rao, DilayParmar, SumedhNimkarde and Gaurav Jat, "Preserving Location Privacy Using Blockchain", Springer IETE International Conference on Blockchain Technology (IC-BCT 2019), Mumbai, 2019. (To be Published)
2. Vaibhav Agrawal, Aishwarya Agarwal, Shailja Shah, DilayParmar and UdaiPratap Rao, "Decentralised Ecosystem for Journalism based on Blockchain", Springer IETE International Conference on Blockchain Technology (IC-BCT 2019), Mumbai, 2019. (To be Published)

ELECTRICAL ENGINEERING DEPARTMENT**Achievements by faculties :**

- (i) S.N Sharma, a recipient of the 2018 INSA-SASA deputation (Visiting Academic Appointment), Slovenian Academy of Sciences and Arts bilateral Faculty Exchange Program award (The 2018 INSA-SASA Deputation to augment the scientific collaborations between two nations, India and Republic of Slovenia) Department of Systems and Control, Jozef Stefan Institute, Republic of Slovenia, May 20-June 20, 2018.
- (ii) The 2019 International Graduate School on Control (IGSC) of European Embedded Control Institute (EECI) at King Abdullah University of Science and Technology (KAUST), Saudi Arabia, April 14, 2019 to April 18, 2019. (S N Sharma: A participant of the Game theory and Distributed Control Lecture series)
- (iii) Two PhD students working under the direction of **S N Sharma**, i.e. Shaival H Nagarseth (D16EL 002) and Dhruvi S Bhatt (D17EL 001) of the Electrical Engineering Department, S V NIT Surat, India, were among the 10 international recipients of a financial support of the European Embedded Control Institute (EECI) for participation in a control program at the ETH Zurich Switzerland, May 6-10, 2019).
- (iv) Dr. Sabha Raj Arya, Associate Editor in IET Renewable Power Generation Journal (ESCI/SCI) from April 2018 to continue. (<https://digital-library.theiet.org/journals/iet-rpg/editorial-board>)
- (v) Mr. Ashutosh K Giri (QIP PhD research scholar EED) has visited in Research Opportunities Week from 1st to 5th April 2019 in Electrical & Computer Engineering Department at Technical University of Munich, Germany

ELECTRONICS ENGINEERING DEPARTMENT**Achievements by faculties**

- Hiren 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).
- Department received 10 kits of Cypress BLE Pioneer kit for setting up IoT Lab under ARM University Program.
- Department has procured visual TCAD and Genius Device Simulator from Cadre Design System.
- Dr.(Mrs.) U D Dalal: Reviewer of proposals of Samridhi 2 (21) and CRS-TEQIP (22)and MODROB (30) funding schemes of AICTE.
- Dr.(Mrs.) U D Dalal: BOS member UTU Bardoli and KCE College of Engineering, Jalgaon...Gave significant suggestions in curriculum development in both the institutes.
- Dr. K. P. Upla has been selected as ERCIM (European Research Consortium for Informatics and Mathematics) post-doctoral fellow for duration of One year at NTNU, Norway. The purpose of ERCIM fellowship is to enable bright young scientists from all over the world to work on challenging problems as fellows of ERCIM member institutes. The duration of a fellowship is 12 months initially (with the possibility to extend up to 24 months) to bespent in one ERCIM institute including a visit of at least one week at another ERCIM member institute.
- Dr. K. P. Upla with M.Tech Student Mr. Rahul Gupta has been recognized in NTIRE CVPR challenge 2019. NTIRE (New Trends in Image Restoration and Enhancement) 2019 is very famous challenge and it is organized in conjunction with CVPR conference every year. CVPR is the top rated conference in this domain. This work got sixth and ninth positions in the two different categories of NTIRE challenge. The total number of participating teams where more than 100.
- A team consisting of four students of our college won the competition called I-HACK 2019, Hackathon held at E-Cell, IIT Bombay. It was held during 19-20th January, 2019 and was sponsored by Wipro India Ltd. Our team got Cash prize of Rs. 1 Lakh. students names are as follows:
 1. Divyam Srivastava B. Tech II Electronics
 2. Kshitij Suri, B.Tech II Computer
 3. Rajat Sharma, B. Tech II Electronics
 4. Rishabh Sharma, B. Tech II Electronics

Achievements by Faculty:**Visits abroad by faculty:**

Sr. No.	Name of faculty	Country Visited	Date	Purpose of visit	Funding from
1	Dr.(Mrs.) U D Dalal	Bangkok, Thailand	29-30 June 2018	Conference GWS 2018, Keynote speaker, Technical committee member and session chair	partially funded by International Centre for Research and Development, Canada and partially by SVNIT from CPDA
2	Dr. Shilpi Gupta	Tokyo, Japan	13-15 May 2019	Conference on Frontiers in Lasers, Optics and Photonics	SVNIT from CPDA
3	Dr. (Mrs.) S. N. Shah	Melbourne, Australia	23-25 Oct 2018	10 th Multi GNSS ASIA Conference	SVNIT from CPDA
4	Prof. P. J. Engineer	Valencia, Spain	January 21-23, 2019	As an Advisory board member of H2020 Project called TULIPP: Towards Ubiquitous Low-power Image Processing Platforms (Letter attached)	Partially funded by TULIPP project and CPDA from SVNIT

MECHANICAL ENGINEERING DEPARTMENT
--

NIL

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	Dr. Bharatkumar Z. Dholakiya,, Dr. Smita Jauhari, Dr. Kalpesh I. Patel, Ashish J. Raychura Development of Non-Traditional Vegetable-Oil-Based Two-Pack Polyurethane for Wood-Finished Coating: An Alternative Approach, <i>Chemistry Select</i> , Wiley, 10837–10842, 3(39), 2018.
02	Ashish J. Raychura, Smita Jauhari, Kalpesh I. Patel, Bharatkumar Z. Dholakiya, A renewable approach toward the development of mahua oil-based wood protective polyurethane coatings: Synthesis and performance evaluation, <i>Journal of Applied Polymer Science</i> , Wiley, 135 (38), 46722 (2- 11), 2018.
03	B.Z. Dholakiya, Smita Jauhari, Vimal S. Prajapati, Ashish J. Raychura Synthesis and performance evaluation of vegetable oil based wood finish polyurethane coating, <i>Bioresource Technology Reports</i> , ScienceDirect, 3, 88-94, 2018
04	Smita Jauhari, Bharatkumar Z. Dholakiya, Ashish J. Raychura Development of wood protective polyurethane coatings from mahua oil-based polyetheramide polyol: a renewable approach, <i>Journal Soft Materials</i> , 16 (3), 1-11, 2018.
05	Amit G. Shirke, Bharatkumar Z. Dholakiya, Ketan Kuperkar, Enhancement of physico-chemical and anti-corrosive properties of tung oil based polyurethane coating via modification using anhydrides and inorganic acid, <i>Surfaces and Interfaces</i> , Elsevier, 15, 180–190, 2019.
06	Mehulkumar L. Savaliya, Bharatkumar Z. Dholakiya, Eco-friendly process for preparation of biodiesel from WFO over MTSA-Si catalyst: An innovative approach for the utilization of side product, <i>Journal of Industrial and Engineering Chemistry</i> , Elsevier, 352-366, 64, 2018.
07	Amit G. Shirke, Paresh Parekh, Bharatkumar Dholakiya, Ketan Kuperkar, Kinetics and thermodynamics of hazardous dye sorption from waste water using anionic surfactant as counter ion physically impregnated in polyurethane foam, <i>Journal of surfactants and detergents</i> , AOCs, 21 (2), 187-196, 2018.
08	Trypsin mediated one-pot reaction for the synthesis of red fluorescent gold nanoclusters: Sensing of multiple analytes (carbidopa, dopamine, Cu ²⁺ , Co ²⁺ and Hg ²⁺ ions), <i>Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy</i> , Volume 215, Pages 209-217, 2019.
09	K. Suresh Kumar, S Ha, SH Baek, S Kim, K Kwak, TJ Park, Tuning of carbon dots emission color for sensing of Fe ³⁺ ion and bioimaging applications, <i>Materials Science and Engineering: C</i> 98, 834-842, 2019.
10	JR Bhamore, ZVP Murthy, K. Suresh Kumar, Fluorescence turn-off detection of spermine in biofluids using pepsin mediated synthesis of gold nanoclusters as a probe, <i>Journal of Molecular Liquids</i> 280, 18-24, 2019.
11	ML Desai, H Basu, RK Singhal, S Saha, K. Suresh Kumar, Ultra-small two dimensional MXene nanosheets for selective and sensitive fluorescence detection of Ag ⁺ and Mn ²⁺ ions, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 565, 70-77, 2019.
12	M. L. Desai, S. Jha, H. Basu, R. K. Singhal, P. K. Sharma and K. Suresh Kumar, Advances in functional nanomaterial-based electrochemical techniques for screening of endocrine disrupting chemicals in various sample matrices, <i>Trends in Analytical Chemistry</i> , Volume 113, Pages 256-279, 2019,
13	JR Bhamore, S Jha, RK Singhal, ZVP Murthy, K. Suresh Kumar, Amylase protected gold nanoclusters as chemo- and bio-sensor for nanomolar detection of deltamethrin and glutathione, <i>Sensors and Actuators B: Chemical</i> , 281, 812-820, 2019
14	JR Bhamore, S Jha, TJ Park, K. Suresh Kumar, Green synthesis of multi-color emissive carbon dots from Manilkara zapota fruits for bioimaging of bacterial and fungal cells, <i>Journal of Photochemistry and Photobiology B: Biology</i> 191, 150-155, 2019
15	K. Suresh Kumar, JR Koduru, TJ Park, HF Wu, YC Lin, Progress of electrospray ionization

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	and rapid evaporative ionization mass spectrometric techniques for the broad-range identification of microorganisms, <i>Analyst</i> 144 (4), 1073-1103, 2019
16	ML Desai, S Jha, H Basu, RK Singhal, PK Sharma, K. Suresh Kumar, Chicken egg white and L-cysteine as cooperative ligands for effective encapsulation of Zn-doped silver nanoclusters for sensing and imaging applications, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 559, 35-42, 2018
17	JR Bhamore, S Jha, TJ Park, K. Suresh Kumar, Fluorescence sensing of Cu ²⁺ ion and imaging of fungal cell by ultra-small fluorescent carbon dots derived from Acacia concinna seeds, <i>Sensors and Actuators B: Chemical</i> 277, 47-54, 2018.
18	Ankit Shah, MuzammilKuddushi, 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. <i>ACS Omega</i> , 2018, 3 (12), 17751–17761.
19	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. <i>ACS Omega</i> , 2018, 3, 9, 12068-12078.
20	Sargam M Rajput, KrishnakantGangele, Sugam Kumar, Vinod K Aswal, Jitendra P Mata, Naved I Malek, Suresh Kumar Kailasa, Krishna Mohan Poluri, Nano-Vehicles for Drug Delivery Using Low-Cost Cationic Surfactants: A Drug Induced Structural Transitions, <i>ChemistrySelect</i> , 2018, 3, 9454-9463.
21	Amanda C. Pinheiro, André B. Gonçalves, Wilhelm J. Baader, Lydia F. Yamaguchi, Naved I. Malek, Erick L. Bastos, and Omar A. El Seouda, Biofuels from coconut fat and soybean oil: microwave-assisted synthesis and gas chromatography/mass spectrometry analysis, <i>Quimica Nova</i> , Accepted, 2018.
22	Thais A. Bioni, Naved I. Malek, 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, <i>LENZINGER BERICHTE</i> , 2018, 94, 57 – 66.
23	Zuber S. Vaid, Sargam M. Rajput, Ankit Shah, YogeshKadam, Arvind Kumar, Omar A. El Seoud, Jitendra P. Mata, NavedI. Malek, Salt-Induced Microstructural Transitions in Aqueous Dispersions of Ionic-Liquids Based Surfactants, <i>ChemistrySelect</i> , 2018, 17, 4851-4858. DOI:10.1002/slct.201800041.
24	Sargam M. Rajput, Sugam Kumar, Vinod K Aswal, Omar A. El Seoud, Naved I. Malek, Suresh Kumar Kailasa, Drug-induced micelle-to-vesicle transition of a cationic gemini surfactant: Potential applications in Drug Delivery. <i>ChemPhysChem</i> , 2018, 19 (7), 865-872.
25	Zuber S. Vaid, Sargam M. Rajput, MuzammilKuddushi, Arvind Kumar, Omar A. El Seoud and Naved I. Malek, Synergistic Interaction between Cholesterol and Functionalized Ionic Liquid Based Surfactant Leading to the Morphological Transition. <i>ChemistrySelect</i> 2018, 3, 1300–1308.
26	N. Mishra, Y. Kadam, Naved I. Malek, Overview of enzyme based biosensors and their applications, 1, 2018, 12 (1), 108-117. AU-ISSN 0024-0907, Published by Lenzing AG, 4860 Lenzing, Austria.
27	D. R. Lathiya, D. V. Bhatt, K. C. Maheria, Sulfated fly-ash catalyzed biodiesel production from maize acid oil feedstock: a comparative study of taguchi and box-behnken design, <i>Chemistry Select</i> , 4, 4392–4397, 2019.
28	D. R. Lathiya, D. V. Bhatt, K. C. Maheria, Mesoporous SBA-15-Pr-SO ₃ H catalysed biodiesel production from maize acid oil, <i>J. Sci. Ind. Res.</i> , 78, 106–110, 2019.
29	J. J. Gabla, D.R. Lathiya, A. A. Revawala., K. C. Maheria, Propyl–SO ₃ H functionalized SBA-15: Microwave-mediated green synthesis of biologically active multisubstituted imidazole scaffolds, <i>Res. Chem. Intermed.</i> , 4, 1863-1881, 2019.
30	Dhara Morawala, Ajay Dalai, Kalpana Maheria, Rice husk mediated synthesis of meso-ZSM-5 and its application in the synthesis of n-butyl levulinate, <i>Journal porous materials</i> , 26, 677-686, 2018.

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
31	D. R. Lathiya, D. V. Bhatt, K. C. Maheria, Synthesis of sulfonated carbon catalyst from waste orange peel for cost effective biodiesel production, Bioresour. Technol. Reports. 2, 69–76, 2018.
32	Henilkumar Lankapati, Lalita Choudhary, Kalpana Maheria, Seasonal assessment of creeks' water quality located near Ankleshwar region of Gujarat, India, through water quality index, JoWPPR, 5, 31-53, 2018.
33	Kureshi A.A., Dholakiya, C., Hussain, T., Mirgal, A., Salvi, S.P., Barua, P.C., Talukdar, M., Beena, C., Kar, A., Zachariah, T.J. and Kumari, P., Dhanani, T., Singh, R., Manivel, P. and Kumar, S., Simultaneous Identification and Quantification of Three Xanthenes and Two Polyisoprenylated Benzophenones in Eight Indian Garcinia Species Using a Validated UHPLC-PDA Method., Journal of AOAC International, In press 2019.
34	Kureshi A.A., Hussain, T., Mirgal, A., Salvi, S.P., Barua, P.C., Talukdar, M., Beena, C., Kar, A., Zachariah, T.J., Kumar, S., and Kumari, P., Comparative evaluation of antioxidant properties of extracts of fruit rinds of eight Garcinia species from India by three in vitro assays. Indian Journal of Horticulture, 76 (2), 338-343., 2019.
35	Lakhotia S.R., Mukhopadhyay M, Kumari P, Iron oxide (FeO) nanoparticles embedded thin-film nanocomposite nanofiltration (NF) membrane for water treatment. Separation and Purification Technology, 211, 98-107, 2019.
36	Biotoxicity assessment and tissue-specific oxidative stress induced by Gemini surfactant as a protocol on <i>Cirrhinus mrigala</i> (Ham.): An integrated experimental and theoretical methodology, U. Dani, A. Bahadur, K. Kuperkar, Ecotoxicology and Environmental Safety 183 (2019) 109478-86.
37	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, K. Kuperkar Phy. Chem. Chem. Phys. 21(2019) 15584-15594.
38	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, K. Kuperkar Chemistry Select 4 (2019) 5799-5809.
39	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, J. Parikh, K. Kuperkar Colloids and Surfaces B: Biointerfaces 179 (2019) 437–444.
40	New insight into Experimental and Computational studies of Choline Chloride-based 'green' Ternary Deep Eutectic Solvent (TDES), A. Jangir, D. Patel, R. More, A. Parmar, K. Kuperkar J. Mol. Struc. 1181 (2019) 295-299.
41	Enhancement of physico-chemical and anti-corrosive properties of tung oil based polyurethane coating via modification using anhydrides and inorganic acid. A. Shirke, B. Dholakiya, K. Kuperkar, Surfaces and Interfaces 15 (2019) 180–190.
42	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, J. Parikh, K. Kuperkar, Colloids Surfaces A. 555 (2018) 227–236.
43	Micellization, antimicrobial activity and curcumin solubilization in Gemini surfactants: Influence of spacer and non-polar tail. U. Dani, A. Bahadur, K. Kuperkar, Colloids Interf. Sci. Commun. 25 (2018) 22-30.
44	Electrokinetic potential, thermal and microscopic investigation of surfactant-polymer templates on precipitated calcium carbonate morphology with dynamic simulation. D. Patel, K. Kuperkar, Chemistry Select 3 (2018) 4382-4386.
45	Crystallization study and morphology behavior of calcium carbonate crystals in aqueous Surfactant-Pluronics® prototype, B. Kanoje, K. Kuperkar, J. Mater. Res. Technol. 7(4) (2018) 508–514.
46	Modification of Tung oil based polyurethane foam by anhydrides and inorganic content through esterification process. A. Shirke, B. Dholakiya, K. Kuperkar, J. App. Polym. Sci. 135

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	(5) (2018) 45786-45796.
47	Kinetics and thermodynamics of hazardous dye sorption from waste water using anionic surfactant as counter ion physically impregnated in polyurethane foam. A. Shirke, P. Parekh, B. Dholakiya, K. Kuperkar. J. Surfact. Deterg. 21 (2) (2018) 187-196.
48	Synergism and aggregation behavior in aqueous binary mixture of cationic-zwitterionic surfactants: Physico-chemical characterization with molecular simulation approach. B. Kanoje, S. Padshala, J. Parikh, S. Sahoo, K. Kuperkar, P. Bahadur, Phy. Chem. Chem. Phys. 20 (2018) 670-681.
49	Nimisha Singh, Jyotsnamayee Nayak, Suban K Sahoo, Rajender Kumar, Glutathione conjugated superparamagnetic Fe ₃ O ₄ -Au core shell nanoparticles for pH-controlled release of DOX, Materials Science and Engineering: C, 100, 453-465, 2019
50	Nimisha Singh, Fadoua Sallem, Celine Mirjolet, Thomas Nury, Suban Kumar Sahoo, Nadine Millot, Rajender Kumar, Polydopamine Modified Superparamagnetic Iron Oxide Nanoparticles as Multifunctional Nanocarrier for Targeted Prostate Cancer Treatment, Nanomaterials, 9, 138, 2019
51	Ravi Patel, Shilpa Bothra, Rajender Kumar, Suban K Sahoo, Selective turn-off sensing of picric acid and p-nitrophenol using fluorescent histidine, Nanostructures & Nano-Objects, 19, 100345, 2019
52	Nimisha Singh, Jyotsna Nayak, Khushbu Patel, Suban K Sahoo, and Rajender Kumar, Electrochemical impedance spectroscopy reveals a new mechanism based on competitive binding between Tris and protein on a conductive biomimetic polydopamine surface, Physical Chemistry Chemical Physics, 20, 25812-25821, 2018
53	A Thangaraj, SK Sahoo, Cost-effective approach to detect Cu (II) and Hg (II) by integrating smartphone with the colorimetric response from NBD-benzimidazole based dyad, Physical Chemistry Chemical Physics, 2019, 21, 11839-11845.
54	A Thangaraj, V Bhardwaj, SK Sahoo, A multi-analyte selective dansyl derivative for the fluorescence detection of Cu(II) and cysteine, Photochemical & Photobiological Sciences, 2019, 18, 1533-1539.
55	SKA Kumar, K Vijayakrishna, A Sivaramakrishna, CVSB Rao, N Sivaraman, Suban K Sahoo, Development of highly selective potentiometric thorium(IV) ion-selective electrode: exploration supported with optical and DFT analysis, Anal. Methods, 2019, 11, 1338-1345.
56	R Kaur, SK Sahoo, A Kuwar, N Kaur, N Singh, Rhodamine based NIR and ratiometric fluorescent sensor for selective identification of potassium ion: application in biological sample, Supramolecular Chemistry, 2019, 31, 36-44
57	Y. Upadhyay, P. Paira, S.K. Ashok Kumar, H.-J. Choi, R. Kumar, Suban K. Sahoo, Vitamin B ₆ cofactor conjugated rhodamine 6G derivative: Fluorescent turn-on sensing of Al(III) and Cr(III) with bioimaging application in live HeLa cells, Inorganica Chimica Acta, 2019, 489, 198-203.
58	M. Khannam, C. Mukherjee, Suban K Sahoo, Effect of Ligand Chirality and Hyperconjugation on Thermodynamic Stability of a Tris(aquated) Gd(III) Complex: Synthesis, Characterization and T1-Weighted Phantom MR Image Study, European Journal of Inorganic Chemistry, 2019, 2019, 2518-2523.
59	G Hambarde, S Bothra, Y Upadhyay, RK Bera, SK Sahoo, m-Dinitrobenzene directed aggregation-induced emission enhancement of cysteine modified fluorescent copper nanoclusters, Microchemical Journal, 2019, 147, 899-904.
60	NB Patil, UD Patil, PA Patil, S Bothra, SK Sahoo, S Sehlangia, Chullikkattil P Pradeep, Ashok A Patil, Samadhan R Patil, A Fused Benzothiazolo-Pyrimidine-Based Chemosensor for Selective Optical Detection of Fe ³⁺ and I ⁻ Ions in Aqueous Media, ChemistrySelect, 2019, 4 (14), 4185-4189
61	V Venkatesan, ASK Kumar, SK Sahoo, Spectrophotometric and RGB performances of a new tetraphenylcyclopenta-derived Schiff base for the quantification of cyanide ions, Anal. Methods, 2019, 11, 1137-1143

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
62	N Singh, F Sallem, C Mirjolet, T Nury, SK Sahoo, N Millot, R Kumar, Polydopamine Modified Superparamagnetic Iron Oxide Nanoparticles as Multifunctional Nanocarrier for Targeted Prostate Cancer Treatment, <i>Nanomaterials</i> , 2019, 9, 138.
63	R Selva Kumar, SK Ashok Kumar, Kari Vijayakrishna, Akell Sivaramakrishna, CVS Brahmnananda Rao, N Sivaraman, Suban K Sahoo, Highly selective CHEF-type chemosensor for lutetium (III) recognition in semi-aqueous media, <i>Spectrochim. Acta A</i> , 2019, 214, 32-39.
64	V Raju, RS Kumar, SKA Kumar, Y Tharakeswar, SK Sahoo, Development of highly selective chemosensor for chromium(III) estimation in aqueous environment, <i>Inorganic. Chem. Commun.</i> , 2019, 101, 74-80
65	V Venkatesan, SKA Kumar, SK Sahoo, Highly selective turn-on fluorogenic chemosensor for Zn ²⁺ based on chelation enhanced fluorescence, <i>Inorganic. Chem. Commun.</i> , 2019, 102, 171-179
66	M. Patil, K. Keshav, M. K. Kumawat, S. Bothra, Suban K. Sahoo, R. Srivastava, J. Rajput, R. Bendre, A. Kuwar, Monoterpenoid derivative based ratiometric fluorescent chemosensor for bioimaging and intracellular detection of Zn ²⁺ and Mg ²⁺ ions, <i>J. Photochem. Photobiol. A</i> , 2018, 364, 758-763.
67	N. Kaur, S. Chopra, P. Raj, A. Bhasin, G. Singh, Suban K Sahoo, A. Kuwar, N. Singh, Chemosensors for biogenic amines and biothiols, <i>Journal of Materials Chemistry B</i> , 2018, 6, 4872-4902.
68	M. Patil, S. Bothra, Suban K. Sahoo, H. A. Rather, R. Vasita, R. Bendre, A. Kuwar, Highly selective nicotinohydrazide 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.
69	T. Anand, SK Ashok Kumar, Suban K Sahoo, A new Al ³⁺ 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.
70	R S. Kumar, S.K. Ashok Kumar, K. Vijayakrishna, A. Sivaramakrishna, P. Paira, C.V.S.B. Rao, N. Sivaraman and S. K. Sahoo, Bipyridine bisphosphonate-based fluorescent optical sensor and optode for selective detection of Zn ²⁺ ions and its applications, <i>New J Chem</i> , 2018, 42, 8494-8502.
71	R Selvakumar, SK Ashok Kumar, Kari Vijayakrishna, Akella Sivaramakrishna, CVS Brahmnananda Rao, N Sivaraman, Suban K Sahoo, Development of highly selective chemosensor for thorium estimation, <i>Sensors and Actuators B: Chem.</i> , 2018, 255, 1391.
72	SKA Kumar, K Vijayakrishna, A Sivaramakrishna, CVS Rao Brahmnananda, N Sivaraman, SK Sahoo, Development of the Smartphone-Assisted Colorimetric Detection of Thorium by Using New Schiff's Base and Its Applications to Real Time Samples, <i>Inorganic Chemistry</i> , 2018, 57, 15270-15279.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Jayesh M. Dhodiya, Anita Ravi Tailor, Genetic algorithm based hybrid approach to solve uncertain multi-objective COTS selection problem for modular software system. <i>Journal of Intelligent and Fuzzy Systems</i> , 34(4), (2018), 2103-2120.
02	Riddhi K. Rekh, Jayesh M. Dhodiya, Solution of Fuzzy Multi Criteria Project Management Problem by Fuzzy Programming Technique with Possibilistic Approach, <i>Indian Journal of science and technology</i> , 12 (11), (2019), 1-21.
03	Jayesh M. Dhodiya, FeniChevli, Mukesh Patel, A Study on Multi-objective Solid and Multi-objective interval Solid Transportation problems and their solutions with grey situation decision making theory, <i>International Journal of Creative Research Thoughts(IJCRT)</i> , 6(2), (2018), 1002 – 1011.
04	Kirti Patel, Jayesh M. Dhodiya, Fuzzy theory based resource allocation problem with

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	possibilistic approach: A case study of sandwich factory, International Journal of advanced research ideas an innovation in technology, 4(3), (2018), 1900-1913.
05	Krupa Sophia J. and Urvashi Kaushal. "Negotiating 'Place, Memory and Identity'" in M. G. Vassanji's The Assassin's Song: A humanistic Geographical Perspective" IUP Journal of English Studies Vol. XIX No. 1Pp-67-78. (2019).
06	R.K. Singh, T.R. Singh and U. Kaushal. Review article "Note on the crop yield forecasting methods in Asian Journal of Agricultural Research.2019 1-5 DOI: 10.3923/ajar.2019.
07	Urvashi Kaushal. Integrating Employability Skills In Engineering Education. Journal of Advanced Research in Social Sciences and Humanities Volume 3, Issue 5 2018, pp-179-185 DOI: https://dx.doi.org/10.26500/JARSSH-03-2018-0503
08	C Mongkolkeha, D Gopal, Some common Applications to differential equations, Mathematics, 7 (1), 32, 2019.
09	S. Shukla. D. Gopal. W. Sintunvarat, A new class of fuzzy contractive mappings and fixed point theorems, Fuzzy sets and systems, 350, 85-94, 2018
10	D. Gopal, H. K. Nashine D. Jain, Solutions of initial in metric like space, Int. J. Nonlinear Anal. Appl, 9(1)2019, 129-145
11	Sushil Kumar, Cecile Piret, Numerical solution of space-time fractional PDEs using RBF-QR and Chebyshev polynomials, Applied Numerical Mathematics, Vol 143, September 2019, pp 300-315, 2019.
12	Vijay Saw, Sushil Kumar, Numerical solution of fraction Bagley–Torvik boundary value problem based on Chebyshev collocation method, International Journal of Applied and Computational Mathematics, Vol 5:68 (2019).
13	Hitesh Bansu, Sushil Kumar, Numerical solution of space and time fractional telegraph equation: a meshless approach, International Journal of Nonlinear Sciences and Numerical Simulation, Vol 20 (3-4), pp 325-337, 2019
14	Vijay Saw, Sushil Kumar, Second kind Chebyshev polynomials for solving space fractional advection - dispersion equation using collocation method, Iranian Journal of Science and Technology, Transactions A: Science, 43:1027, 2019.
15	R. K. Jana, BhumiKaMaheshwari and A. K. Shukla: Some properties of extended τ -hypergeometric function, Communication of Korean Math. Soc. Vol 33, No.4, 1159-1170, (2018).
16	R.S.Damor, S. Kumar and A.K.Shukla: Temperature distribution for fractional bioheat model in triple layer skin tissue, International Journal of Biomathematics, Vol. 11, No. 4 (2018) 1850052 (24 pages) (World Scientific Publishing Company). (2018).
17	P.K.Banerji, RachanaDesai, DeepaliSaxena and A.K.Shukla Some properties of singular integral operator contains extended Mittag-Leffler Function, Palestine Journal of Mathematics, Vol 8(2), 137–145, (2019).
18	H.Patel and R.Meher, Effect of Heterogeneity on Imbibition Phenomena in Fluid Flow through Porous Media with Different Porous Materials, Nonlinear Engineering, 8(1), pp.46-55, 2019.
19	T.Patel and R.Meher, A Study on Convective- Radial Fins with Temperature-dependent Thermal Conductivity and Internal Heat Generation., Nonlinear Engineering, 8(1), pp. 145–156, 2019.
20	V.P Gohil and R.Meher, Effect of magnetic field on imbibition phenomenon in fluid flow through fractured porous media with different porous material., Nonlinear Engineering, 8(1), pp.368–379, 2019.
21	V.P Gohil and R.Meher, Effect of Viscous Fluid on the Counter-Current Imbibition Phenomenon in Two-Phase Fluid Flow Through Heterogeneous Porous Media with Magnetic Field., Iranian Journal of Science and Technology, Transactions A: Science, 43(4), pp. 1799–1810, 2019.
22	A. Giri, S. R Arya, R. Maurya, R.Meher, Variable learning adaptive gradient based control algorithm for voltage source converter in distributed generation, IET Renewable Power

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Generation, 12(16),pp. 1883 – 1892,2018.
23	V.P Gohil and R.Meher, Analytical study of time fractional fractured porous medium equation under the effect of magnetic field. Special Topics & Reviews in Porous Media, 10(2),pp. 99-113, 2019.
24	V.P Gohil and R.Meher, Effect of Heterogeneity on Imbibition phenomenon in fluid flow through porous media with different porous materials with magnetic fluids., Journal of Porous Media, 2019.(Article in Press)
25	N.D Patel and R.Meher, Investigation of a Jeffery-Hamel flow between two rectangular inclined smooth walls using the Differential Transform Method, Journal of Applied Mathematics and Computational Mechanics , 17(4),pp. 47-57,2019.
26	R.Meher and N.D Patel, Analytical Investigation of MHD Jeffery–Hamel flow problem with heat transfer by differential transform method, SN Applied Sciences, 1(7), 2019.
27	YogitaJagtap And Neeru Adlakha, Simulation of Buffered Advection Diffusion of Calcium in a Hepatocyte Cell, Mathematical Biology and Bioinformatics, Springer 13(2), 609-619 ,2019
28	Nisha Singh &Neeru Adlakha ,Nonlinear Dynamic Modeling of 2-Dimensional Interdependent Calcium and Inositol 1, 4, 5-Trisphosphate in Cardiac Myocyte, Mathematical Biology and Bioinformatics, Springer 14(1), 290-305 ,2019
29	Ratnamala Badge &Neeru Adlakha, Finite Element Model to Study Potassium Dynamics in the Rhizosphere of a Wheat Root due to Presence of Bio-physical Source, Communications in Mathematical Biology and Neuroscience, SCIK Publication, Accepted for publication, 2019
30	Nisha Singh &Neeru Adlakha , Portraying the effect of source influx on interdependent calcium and inositol 1; 4; 5-trisphosphate dynamics in cardiac myocytes, Communications in Mathematical Biology and Neuroscience, SCIK Publication, Accepted for publication, 2019
31	Nisha Singh &Neeru Adlakha, A mathematical model for interdependent calcium and inositol 1, 4, 5-trisphosphate in cardiac myocyte, Network Modeling Analysis in Health Informatics and Bioinformatics, Springer, 8(1),2019, 18-28
32	YogitaJagtap And Neeru Adlakha, One Dimensional Numerical Study of Advection Diffusion of Calcium in a Hepatocyte Cell , International Journal of Scientific Research in Mathematical and Statistical Sciences, 6(1)2019,311-316
33	R. K. Jana, B. Maheshwari and A. K. Shukla, "Note on extended hypergeometric function", Proyecciones Journal of Mathematics, Vol. 38, No. 3, 2019, pp. 591-602.
34	H. S. Lekhadiya and R. K. Jana, "Assimilation of INSAT-3D Sounder retrieved Thermodynamic profiles using WRF model for extreme rainfall event over North Central part of India", Ital. J. Pure and Appl. Math., N. 41 (2019), pp. 369-381.
35	H. S. Lekhadiya and R. K. Jana, "Assimilation of INSAT-3D Satellite data in WRF model", Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci. (2019). https://doi.org/10.1007/s40010-019-00606-7 .
36	H. S. Lekhadiya and R. K. Jana, "Sensitivity of the WRF model to the parameterized Physical Process", accepted for publication in Advances in Intelligent Systems and Computing, Springer.
37	R. L. Das, H. Solanki and R. K. Jana, "An investigation of involving supplier and manufacturer based inventory models under uncertain fuzzy constraints", accepted for publication in Advances in Intelligent Systems and Computing, Springer.
38	R. Das, R. K. Jana, M. De and M. Maiti, "Quantity and Carbon Emitting Decisions for substitutable products pertaining Incremental Quantity Tax Regulations: A Fuzzy-Age Based Genetic Algorithm Approach", accepted for publication in Decision Making: Applications in Management and Engineering.
39	Ravi Borana and Vikas Pradhan, Numerical solution of a PDE arising in one dimensional single phase flow in porous medium, Mathematics Today Vol.34(A) (April 2018 – Special

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Issue) 134-146
40	Ravi N Borana and Vikas H Pradhan, Numerical solution of a fingering phenomenon in double phase flow in inclined porous medium, Journal of Emerging Technologies and Innovative Research (JETIR) , Volume 6, Issue 5, May 2019
41	Ravi N. Borana, Vikas H. Pradhan, Himashu V. Chapani, Instability phenomenon in two phase heterogeneous porous medium and numerical solution of the governing equation, Journal of Emerging Technologies and Innovative Research (JETIR), Volume 6, Issue 5, May,2019
42	Borana Ravi1 and Pradhan Vikas, The study of Moisturecontent and Numerical solution of the governing equation with Neumann-Dirichlet boundary conditions, CnR's International Journal of Social & Scientific Research, IndiaVol.05 Issue (I) April-June 2019
43	Amruta Daga Bhandari1, V. H. Pradhan2, Rajeev K. Bansal, New analytical solution for stream-aquifer interaction under constant replenishment, Applied Water Science, Springer, 8:171, 2018

APPLIED PHYSICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	DP Rathaud, AK Rai, Interaction and Identification of the Di-Hadronic Molecules Few-Body System, 60, 37, 2019
02	Z Shah, AK Rai, Mass spectra of triply heavy charm-beauty baryons*, EPJ Web of Conferences, 202, 6001, 2019
03	AK Rai, Precision resonance energy scans with the PANDA experiment at FAIR, The European Physical Journal A, 55 (2), 42, 2019
04	Z Shah, K Gandhi, AK Rai, Spectroscopy of light baryons, Chinese Physics C, 43 (3), 34102, 2019
05	K Gandhi, V Patel, AK Rai, V Kher, Magnetic properties of $D^{*}(2007)^{0}$ and $D^{*}(2010)^{\pm}$ meson in the constitute quark model*, DAE Symp. Nucl. Phys, 63, 824, 2018
06	R Chaturvedi, AK Rai, JN Pandya, NR Soni, γ gg and γ ggg decay width of S χ -wave Charmonia*, DAE Symp. Nucl. Phys, 63, 834, 2018
07	N Devlani, AK Rai, V Kher, Regge trajectories in the B meson, DAE Symp. Nucl. Phys, 63, 910, 2018
08	K Gandhi, Z Shah, AK Rai, Decay properties of singly charmed baryons, The European Physical Journal Plus, 133 (12), 512, 2018
09	R Chaturvedi, NR Soni, JN Pandya, AK Rai, Bottomonium spectroscopy in effective field theory formalism, arXiv preprint arXiv:1810.13383, 2018
10	Z Shah, AK Rai, Ground and Excited State Masses of the Ω_{bc} Baryon, Few-Body Systems, 59 (5), 76, 2018
11	DP Rathaud, AK Rai, Interaction and Identification of the Meson-Baryon molecules, arXiv preprint arXiv:1808.05815, 2018
12	Z Shah, AK Rai, Mass Spectra of Singly Beauty Ω_{bc} Baryon*, Few-Body Systems, 59 (6), 112, 2018
13	V Kher, AK Rai, Spectroscopy and decay properties of charmonium, Chinese Physics C, 42 (8), 83101, 2018
14	R Chaturvedi, AK Rai, Mass spectra and decay properties of the $\bar{c}c$ meson, The European Physical Journal Plus, 133 (6), 220, 2018
15	NC Patel, SP Karia, KN Pathak, Evaluation of the improvement of IRI-2016 over IRI-2012 at the India low-latitude region during the ascending phase of cycle 24, Advances in Space Research, 63 (3), 1860-1881, 2019
16	SP Karia, NC Patel, KN Pathak, On the performance of IRI-2016 to predict the North-South asymmetry of the equatorial ionization anomaly around 73° E longitude, Advances in Space Research, 63 (3), 1937-1948, 2019

APPLIED PHYSICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
17	N Shastri, KK Pathak, New Cloud Detection Index (CDI) for Forecasting the Extreme Rain Events, Advances in Remote Sensing, 8 (1), 30-39, 2019
18	Sampat G Deshmukh, Vipul Kheraj, Kailash J Karande, Ashish K Panchal, Rohan S Deshmukh, Hierarchical flower-like Cu ₃ BiS ₃ thin film synthesis with non-vacuum chemical bath deposition technique, Materials Research Express, 2019
19	R Sabarish, JM Kalita, MP Sarma, G Wary, Vipul Kheraj, Sampat G Deshmukh, Influence of molar concentration and temperature on structural, optical, electrical and X-ray sensing properties of chemically grown nickel-bismuth-sulfide (Ni _x Bi _{2-x} S ₃) thin films, Materials Science-Poland , 2018
20	A Kherodia, V Kheraj, AK Panchal, Effects of Hydrogen-Dilution on Opto-Structural Properties of Hot-wire CVD Grown a-Si: H/nc-Si: H Multilayer for Photovoltaics, Silicon, 10 (4), 1475-1485, 2018
21	V Kumar, DR Roy, Single-layer stanane as potential gas sensor for NO ₂ , SO ₂ , CO ₂ and NH ₃ under DFT investigation, Physica E: Low-dimensional Systems and Nanostructures, 110, 100-106, 2019
22	K Rajput, DR Roy, h-CaS and h-CaSe nanosheets in CaX (X= O, S, Se and Te) series: promising thermoelectric materials under DFT investigation, Applied Nanoscience, 01 – 12, 2019
23	EV Shah, DR Roy, Density functional investigation on hexagonal nanosheets and bulk thallium nitrides for possible thermoelectric applications, Applied Nanoscience, 9 (1), 33-42, 2019
24	SM Roy, BK Sharma, DR Roy, Biological activity of some ACAT inhibitors in the light of DFT-based quantum descriptors, Structural Chemistry, 01 – 09, 2019
25	BK Sharma, DR Roy, Toxicity of polyhalogenated dibenzo-p-furans in the light of nucleic acid bases interaction, Computational biology and chemistry, 76, 225-231, 2018
26	EV Shah, V Kumar, BK Sharma, K Rajput, VP Chaudhary, DR Roy, Co-Tetraphenylporphyrin (co-TPP) in TM-TPP (TM= Fe, Co, Ni, Cu, and Zn) series: a new optical material under DFT, Journal of molecular modelling, 24 (9), 239, 2018
27	BK Sharma, DV Shah, DR Roy, Green synthesis of CuO nanoparticles using Azadirachta indica and its antibacterial activity for medicinal applications, Materials Research Express, 5 (9), 95033, 2018
28	BK Sharma, K Patel, DR Roy, Synthesis, Physicochemical Characterizations and Antimicrobial Activity of CuO Nanoparticles, Current Nanomaterials, 3 (2), 121-125, 2018
29	V Kumar, DR Roy, Structure, bonding, stability, electronic, thermodynamic and thermoelectric properties of six different phases of indium nitride, Journal of materials science, 53 (11), 8302-8313, 2018
30	Sandip R. Kumavat, Yogesh Sonvane , Deobrat Singh, and Sanjeev K. Gupta, Two-Dimensional CH ₃ NH ₃ PbI ₃ with High Efficiency and Superior Carrier Mobility: A Theoretical Study, Journal of Physical Chemistry C (ACS Publications), 123, 5231, 2019
31	Shivam Kansara, Yogesh Sonvane , Sanjeev Gupta, Modulation of vertical strain and electric field on C ₃ As/arsenene heterostructure, Applied Nanoscience
32	Janki Shah, Mukesh Ranjan, K.P.Sooraj, Yogesh Sonvane , Sanjeev K.Gupta, Surfactant prevented growth and enhanced thermophysical properties of CuO nanofluid, Journal of Molecular Liquids, 283, 550, 2019
33	T.Hussain, D.Singh, S.K.Gupta, A.Karton, Yogesh Sonvane , R.Ahuja, Efficient and selective sensing of nitrogen containing gases by Si ₂ BN nanosheets under pristine and pre-oxidized conditions, Applied Surface Science, 469, 775, 2019
34	Prabal Bhuyan, Deobrat Singh, Yogesh Sonvane , P.N.Gajjar. Sanjeev K.Gupta, Structural, vibrational and optoelectronic properties of buckled metallic FeGe monolayer Superlattices and Microstructures, 129, 62-68, 2019
35	Janki Shah, Sanjeev K.Gupta, YogeshSonvane, Kapil Adhikari, Computational study of electronic and optical properties of p-group atomic adsorption on α-Al ₂ O ₃ (0001), Computational and Theoretical Chemistry, 1155, 101, 2019

APPLIED PHYSICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
36	Shivam Kansara, Janki Shah, Yogesh Sonvane , Sanjeev K. Gupta, Conjugation of Biomolecules onto Antimonene Surface for Biomedical Prospects: A DFT Study, Chemical Physics Letters, 715, 115, 2019

APPLIED MECHANICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Vemula A. Reddy, Chandresh H. Solanki, Shailendra Kumar, Krishna R. Reddy, Yan-Jun Du, "New ternary blend limestone calcined clay cement for solidification/ stabilization of zinc contaminated soil", Chemosphere, Elsevier, 308-315, 2019.
02	Bakare, M. D., Pai, R. R., Patel, S. and Shahu, J. T., 2019, "Environmental sustainability by bulk utilization of fly ash and GBFS as road subbase materials," Journal of Hazardous, Toxic, and Radioactive Waste, ASCE. Vol. 23, pp. 1-10. (SCI Journal)
03	Patel, D., Kumar, R., Chauhan, K. A. and Patel, S., 2019, "Using copper slag and fly ash stabilised with lime or cement as a road base material," Proceedings of the Inst. of Civil Engineers - Construction Materials.
04	Patel, D., Kumar, R., Chauhan, K. A. and Patel, S., 2019, "Experimental and modeling studies of resilient modulus and permanent strain of stabilized fly ash," J. Materials in Civil Engg., ASCE. Vol. 31, pp. 1-6. (SCI Journal)
05	Patel, S. and Shahu, J. T., 2018, "Comparison of Industrial Waste Mixtures for use in subbase course of flexible pavements," J. Materials in Civil Engg., ASCE, Vol. 30, No. 7, pp. 1-10. (SCI Journal)
06	Dr.B.Kondraivendhan, Corrosion behavior of reinforced concrete blended with metakaolin and slag in chloride environment", Journal of sustainable cement based materials, Article in press
07	Dr.B.Kondraivendhan, "Impact of sulphate on chloride- induced corrosion of steel in concrete", Indian Concrete Journal, Vol. 93, No.7, 2019, pp. 8-17.
08	Dr.B.Kondraivendhan, "Effect of Accelerated Carbonation on the Performance of Concrete Contained with Natural Zeolite", ASCE, Journal of Materials in Civil Engineering, Accepted for Publication.
09	Jignesh Patel, Hemant Patil, Yogesh Patil, Gaurang Vesmavala, "Strength and Transport Properties of concrete with Styrene Butadiene Rubber Latex Modified Aggregate", Construction and Building Material, Vol. No 195, 2019, 459-467.
10	Jignesh Patel, Hemant Patil, Yogesh Patil, Gaurang Vesmavala, "Production and performance of alkali aggregate in concrete", Journal of Building material, 2018,
11	Akshaykumar M. Bhoi, Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Properties of sustainable mortar with copper slag as fine aggregate", International journal of civil engineering and technology (IJCIET), Vol. No 9, 2018.
12	M.V. Patil*, Y.D. Patil and G.R. Vesmawala, "A study on properties and effects of copper slag and marble dust in concrete", Int. J. Structural Engineering, Vol. No 9, 2018, 91-100.
13	M.V. Patil*, Y.D. Patil, "Effects of Copper Slag And Stone Dust In Concrete", i-manager's Journal on Structural Engineering, Vol. No 7, Aug 2018, 37-42.
14	Hema Munot, Pravin Deshpande, Chetankumar Modhera, "Effect Of Chloride Ions On The Corrosion Resistance Of Conducting Polypyrrole Coated Steel In Simulated Concrete Pore Solution" UPB Scientific Bulletin, Series B: Chemistry and Materials Science Vol. 79, Issue 2 191 - 206 42736
15	DamyantiBadagha, C D Modhera "M55 Grade Concrete Using Industrial Waste To Minimize Cement Content Incorporating CO2 Emission Concept: An Experimental Investigation "Materials today: Proceedings Volume 4, Issue 99768-97722017
16	Tejendra Tank, C D Modhera "Finite Element Modelling of RC Slab Strengthened With GFRP" Materials today: Proceedings Volume 4, Issue 99784-97912017
17	Damyanti G. Badagha, C. D. Modhera, S. A. Vasanwala, "Mix Proportioning and Strength Prediction Of High Performance Concrete Including Waste Using Artificial Neural Network", International Journal of Civil and Environmental Engineering Volume 12, Issue 2169 –

APPLIED MECHANICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	1722018
18	Jignesh Patel, Hemant Patil, YogeshPatil, GaurangVesmavala : "Strength and Transport Properties of concrete with Styrene Butadiene Rubber Latex Modified Aggregate", Construction and Building Material, 195, 2019, 459-467.
19	Jignesh Patel, Hemant Patil, YogeshPatil, GaurangVesmavala : "Production and performance of alkali aggregate in concrete", Journal of Building material, 2018,
20	M.V. Patil*, Y.D. Patil and G.R. Vesmawala, "A study on properties and effects of copper slag and marble dust in concrete", Int. J. Structural Engineering, 9, 2018, 91-100,
21	Kodag Pradeep B., Gaurang R. Vesmawala, "Effect of aspect ratio for FRP wrapped biaxially loaded circular columns" Journal of structural Engineering, ISSN: 0970-0137, 45 (5), December 2018- January 2019, 432-443,

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Jayantilal N. Patel and Pranita N. Balve, Optimisation of Multireservoir Operation Policy using Teaching-Learning Based Optimisation Algorithm, Journal of Science and Technology, Partanika, Vol -26, No -3, 1155-1168, July 2018
02	Jayantilal N. Patel and Pawan N. Bhavsar, Optimal Distribution of Water Resources for Long Term Agricultural Sustainability and Maximization Recompense from Agriculture, ISH Journal of Hydraulic Engineering, Taylor & Francis, online, 1-7, August 2018
03	Jayantilal N. Patel and Smita Varade, Optimal Use of Ground Water to Plan New Cropping Pattern for Sinnar, MS, India, International Journal of Hydrology Science and Technology, Inderscience, Accepted, July 2018
04	Jayantilal N. Patel and Shilpesh Rana, A Selection of the Best Location for a Small Hydro Power Project using the AHP-Weighted Sum and PROMETHEE Method, Journal of Science and Technology, Partanika, Vol -26, No -4, 1591-1603, October 2018
05	S.C. Rana and Jayantilal N. Patel, Selection of best location for small hydro power project using AHP-WPM and TOPSIS Methods, ISH Journal of Hydraulic Engineering, Taylor & Francis, online, 1-5, August 2018
06	Smita Varade and Jayantilal N. Patel, Optimization of Groundwater Resource for Balanced Cropping Pattern, Water Policy, IWA, Vol – 21, 643-657, June 2019
07	Praveen Barapatre and Jayantilal N. Patel, Determination of Soil Moisture using Various Sensors for Irrigation Water Management, International Journal of Innovative Technology and Exploring Engineering, BEIESP, Vol - 8 Issue-7, May 2019, 576-582, April 2019
08	Jayantilal N. Patel and Shilpesh C. Rana, Integrated Approach to Address Future Energy Challenges: An Alternative to Conventional Energy System, International Journal of Recent Technology and Engineering, BEIESP, Vol-8, Issue-1, 853-859, May 2019
09	Fenil R. Gandhi and Jayantilal N. Patel, Estimation of Surface Runoff for Sub-watershed of Rajkot District, Gujarat, India using SCS – Curve Number with Integrated Geo-Spatial Technique, International Journal of Engineering and Advanced Technology, BEIESP, Vol-8, Issue-5, 33-41, June 2019
10	Anav Vora, Priyank J. Sharma, V D Loliyana, P L Patel & P V Timbadiya, Assessment and prioritization of flood protection levees along Lower Tapi River, India. Natural Hazards Review, ASCE, 19(4) 2018, DOI: 10.1061/(ASCE)NH.1527-6996.0000310
11	V D Loliyana & P L Patel, Performance evaluation and parameter sensitivity of a distributed hydrological model for a semi-arid catchment in India, Journal of Earth System Science, Springer, 1-26, 2019
12	Loliyana, V. D., & Patel, P. L. Evaluation of soil moisture prediction for Gopalkheda sub-catchment, India. ISH Journal of Hydraulic Engineering, Taylor and Francis, 1-10, 2019
13	Kumar, V., and Yadav, S. M., Optimization of Cropping Patterns Using Elitist-Jaya and Elitist-TLBO Algorithms. Water Resources Management (2019). https://doi.org/10.1007/s11269-019-

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	02204-z
14	Ramkar P. and Yadav S.M., Identification of critical watershed using hydrological model and drought indices: a case study of upper Girna, Maharashtra, India, ISH Journal of Hydraulic Engineering, (2019).doi.org/10.1080/09715010.2019.1594416
15	Yadav, Sanjaykumar Madhusudan, Vipin Kumar Yadav, and Anurag Gilitwala. "Evaluation of bed load equations using field measured bed load and bed material load." ISH Journal of Hydraulic Engineering (2019): 1-11.
16	Baria, Paresha M., and S. M. Yadav. "Investigating extreme rainfall non-stationarity of upper Tapi river basin, India." ISH Journal of Hydraulic Engineering (2019): 1-9.
17	Kumar, Vijendra, and S. M. Yadav. "Optimization of Water Releases from Ukai Reservoir Using Jaya Algorithm." Advanced Engineering Optimization Through Intelligent Techniques. Springer, Singapore, 2020. 323-336.
18	Mehta, Darshan Jayeshbhai, and Sanjay Madhusudan Yadav. "Hydrodynamic Simulation of River Ambica for Riverbed Assessment: A Case Study of Navsari Region." Advances in Water Resources Engineering and Management. Springer, Singapore, 2020. 127-140.
19	Y.C. Jabbar and S.M. Yadav "Development of a Relationship Between Hydrometer and Hydrographic Observations to Predict Reservoir Capacity Loss." Acta Geophysica (2019):1-19.
20	Ramkar P., Yadav S.M. (2019) Rainfall Trend Analysis Using Nonparametric Test: A Case Study of Malegaon City. In: Rathinasamy M., Chandramouli S., Phanindra K., Mahesh U. (eds) Water Resources and Environmental Engineering II. Springer, Singapore
21	A Chepuri, S Joshi, S Arkatkar, G Joshi, A Bhaskar, Development of new reliability measure for bus routes using trajectory data, Transportation Letters (in press),2019. (SCI-Indexed)
22	P Kumar, S Arkatkar, G Joshi, Examining traffic flow parameters at merging section on high speed urban roads, Current science (in press),2019. (SCI-Indexed)
23	Srinivasula Reddy, A Chepuri, S Arkatkar, G Joshi, Developing proximal safety indicators for assessment of un-signalized intersection – A case study in Surat city, Transportation Letters (in press),2019. (SCI-Indexed)
24	S Mathew, A Dhamaniya, S Arkatkar, G Joshi, Conceptual Approach of Estimating PCU at Roundabouts, Transportation Letters (in press),2019. (SCI-Indexed)
25	D Parikh, GJ Joshi, DA Patel "Development of Prediction Models for Claim Cause Analyses in Highway Projects" Journal of Legal Affairs and Dispute Resolution in Engineering and Construction ASCE 2019
26	Dave, S.M., Joshi, G.J., Ravinder, K. and Gore, N. Data monitoring for the assessment of on-street parking demand in CBD areas of developing countries. Transportation Research Part A: Policy and Practice, 126, 152-171, 2019. (SCI-Indexed)
27	Chauhan BP, Joshi GJ, Parida P. Car following model for urban signalized intersection to estimate speed based vehicle exhaust emissions. Urban Climate, 29 2019.
28	N Raju, P Kumar, S Arkatkar, G Joshi. Determining risk-based safety thresholds through naturalistic driving patterns using trajectory data on intercity expressways, Safety Science,2019. (SCI-Indexed)
29	N Bharadwaj, P Kumar, S Arkatkar, G Joshi. Deriving capacity and level of service thresholds for intercity expressways in India, Transportation Letters (in press),2019. (SCI-Indexed)
30	C Avinash, S Arkatkar, G Joshi, P Manoranjan, Exploring Stage-Wise Pedestrian Crossing Behavioral Patterns at Vulnerable Urban Mid-Blocks: A Perspective Under Heterogeneous Traffic Conditions, Journal of Transportation Safety & Security,2019. (SCI-Indexed)
31	R Zope, N Vasudevan, SS Arkatkar, GJ Joshi, Benchmarking: A tool for evaluation and monitoring sustainability of urban transport system in metropolitan cities of India, Sustainable cities and society, 2019. (SCI-Indexed)
32	C Avinash, S Jiten, S Arkatkar, G Joshi, P Manoranjan, Evaluation of Pedestrian Safety margin at mid-block crosswalks in India, Safety Science,SCT,2019

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
33	C Avinash, S Jiten, S Arkatkar, G Joshi, P Manoranjan, Investigating effect of surrounding factors on human behavior at un-controlled mid-block crosswalks in Indian cities, Safety Science, 2019. (SCI-Indexed)
34	N Bharadwaj, S Mathew, A Pani, S Arkatkar, G Joshi, K Ravinder, Effect of traffic composition and emergency lane on capacity: a case study of intercity expressway in India, Transportation Letters, 2018, (SCI-Indexed)
35	P Kumar, MS Bains, N Bharadwaj, S Arkatkar, G Joshi, Impact assessment of driver speed limit compliance behavior on macroscopic traffic characteristics under heterogeneous traffic environment, Transportation Letters (in press), 2018. (SCI-Indexed)
36	P Kumar, N Raju, A Mishra, SS Arkatkar, G Joshi, 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, (SCI-Indexed)
37	P Kumar, S Arkatkar, G Joshi, Calibration of traffic stream models on high-speed urban roads with heterogeneous traffic conditions, Institution of Civil Engineers-Transport UK,2018,(SCI-Indexed)
38	A Chepuri, J Ramakrishnan, S Arkatkar, G Joshi, 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, (SCI-Indexed)
39	A Chepuri, N Raju, MS Bains, S Arkatkar, G Joshi, Examining Performance of an Urban Corridor Using Microscopic Traffic Simulation Model under Mixed Traffic Environment in India, European Transport \ Trasporti Europei,2018. SCOPUS
40	P Kumar, S Arkatkar, G Joshi, New Approach for Estimating Passenger Car Units on Multilane Urban Roads with Heterogeneous Traffic Conditions, Journal of Transportation Engineering, Part A: Systems (ASCE),2018. (SCI-Indexed)
41	N Raju, P Kumar, A Jain, SS Arkatkar, G Joshi, Application of Trajectory Data for Investigating Vehicle Behavior in Mixed Traffic Environment, Transportation Research Record: Journal of the Transportation Research Board,2018. (SCI-Indexed)
42	Chauhan Boski P.,Joshi G.J., Parida Purnima, Driving cycle analysis to identify intersection influence zone for urban intersections under heterogeneous traffic conditions, sustainability of urban transport system in metropolitan cities of India, Sustainable cities and society, 2018. (SCI-Indexed)
43	Gadekar, M.R., Ahammed, M.M Modelling dye removal by adsorption onto water treatment residuals using combined response surface methodology-artificial neural network approach, Journal of Environmental Management, Elsevier, 241-248, 2019
44	Sruthi G, Ahammed M M and Makwana A R, Effect of source water/wastewater quality on bacterial removal during electrocoagulation, Water Science and Technology, IWA publishing, 77, 1460-68, 2018.
45	Vinitha E V, Ahammed M M and Gadekar M R, Chemical coagulation of greywater: modelling using artificial neural networks, Water science and Technology, IWA publishing, 77, 669-877, 2018.
46	Ghorpade A and Ahammed M M, Water treatment sludge for removal of heavy metal from electroplating wastewater, Environmental Engineering Research, 23, 92-98, 2018.
47	S Gadekar M R and Ahammed M M, Removal of disperse dye from aqueous solution in fixed-bed colum by water treatment residuals, Desalination and Water Treatment, 102, 264-172, 2018.
48	Nisha Pritesh Soni, Robin Alfred Christian, Namrata Dharmendra Jariwala, "Assessment of Environment Pollution Potential Index for Re-Categorization of Industries in Context of Developing Nations", International Journal of Ecological Science and Environmental Engineering, 5(2), 2018, pp. 58-63
49	Banerjee, T., Christian, R.A, "A review on nanoparticle dispersion from vehicular exhaust:

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Assessment of Indian urban environment”, Atmospheric Pollution Research, 9, 2018, pp. 342-357
50	Moondra Nandini, Jariwala Namrata D, Christian Robin A, Narulkar Sandeep M, “Treatment of kitchen wastewater through Phycoremediation in Indian context.”, Journal of Indian Water Works Association, L1, 2019, pp. 23-27.
51	Mehta M., Mukhopadhyay M., Christian R., “Regeneration and Reuse of Magnesium Oxide (MgO) Nanocrystalline.” Journal of Separation Science and Technology, 54, 2019, 275-281.
52	Sharma N. S., Jariwala N. D. & Yadav K. D., Effect of preliminary treatment on dark grey water characteristics, International Journal of Civil Engineering and technology, 9(6), 2018, 224-234
53	A Chepuri, S Joshi, S Arkatkar, G Joshi, A Bhaskar, Development of new reliability measure for bus routes using trajectory data, Transportation Letters (in press), SCI,2019
54	P Kumar, S Arkatkar, G Joshi, Examining traffic flow parameters at merging section on high speed urban roads, Current science (in press),SCI,2019
55	Srinivasula Reddy, A Chepuri, S Arkatkar, G Joshi, Developing proximal safety indicators for assessment of un-signalized intersection – A case study in Surat city, Transportation Letters (in press),SCI,2019
56	S Mathew, A Dhamaniya, S Arkatkar, G Joshi, Conceptual Approach of Estimating PCU at Roundabouts, Transportation Letters (in press),SCI,2019
57	N Raju, P Kumar, S Arkatkar, G Joshi, Determining risk-based safety thresholds through naturalistic driving patterns using trajectory data on intercity expressways, Safety Science,SCI,2019
58	N Bharadwaj, P Kumar, S Arkatkar, G Joshi, Deriving capacity and level of service thresholds for intercity expressways in India, Transportation Letters (in press),SCI,2019
59	C Avinash, S Arkatkar, J Gaurang, P Manoranjan, Exploring Stage-Wise Pedestrian Crossing Behavioral Patterns at Vulnerable Urban Mid-Blocks: A Perspective Under Heterogeneous Traffic Conditions, Journal of Transportation Safety & Security,SCI,2019
60	R Zope, N Vasudevan, SS Arkatkar, G Joshi, Benchmarking: A tool for evaluation and monitoring sustainability of urban transport system in metropolitan cities of India, Sustainable cities and society, SCI,2019
61	C Avinash, S Jiten, S Arkatkar, J Gaurang, P Manoranjan, Evaluation of Pedestrian Safety margin at mid-block crosswalks in India, Safety Science,SCT,2019
62	C Avinash, S Jiten, S Arkatkar, J Gaurang, P Manoranjan, Investigating effect of surrounding factors on human behavior at un-controlled mid-block crosswalks in Indian cities, Safety Science,2019,SCI
63	N Bharadwaj, S Mathew, A Pani, S Arkatkar, G Joshi, K Ravinder, Effect of traffic composition and emergency lane on capacity: a case study of intercity expressway in India,2018,SCI
64	P Kumar, MS Bains, N Bharadwaj, S Arkatkar, G Joshi, Impact assessment of driver speed limit compliance behavior on macroscopic traffic characteristics under heterogeneous traffic environment, Transportation Letters (in press),2018,SCI
65	P Kumar, N Raju, A Mishra, SS Arkatkar, G Joshi, 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,SCI
66	P Kumar, S Arkatkar, G Joshi, Calibration of traffic stream models on high-speed urban roads with heterogeneous traffic conditions, Institution of Civil Engineers-Transport Uk,2018,SCI
67	A Chepuri, J Ramakrishnan, S Arkatkar, G Joshi, 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,SCI
68	S Arkatkar, Traffic operations and capacity analysis in India, Transportation Letters, 65-67,2018,SCI

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
69	A Chepuri, N Raju, MS Bains, S Arkatkar, G Joshi , Examining Performance of an Urban Corridor Using Microscopic Traffic Simulation Model under Mixed Traffic Environment in India, European Transport \ Trasporti Europei,2018,SCOPUS
70	P Kumar, S Arkatkar, G Joshi , New Approach for Estimating Passenger Car Units on Multilane Urban Roads with Heterogeneous Traffic Conditions, Journal of Transportation Engineering, Part A: Systems (ASCE),2018,SCI
71	Jairam, BA Kumar, SS Arkatkar, L Vanajakshi , Performance Comparison of Bus Travel Time Prediction Models across Indian Cities, Transportation Research Record: Journal of the Transportation Research Board,2018,SCI
72	N Raju, P Kumar, A Jain, SS Arkatkar, G Joshi , Application of Trajectory Data for Investigating Vehicle Behavior in Mixed Traffic Environment, Transportation Research Record: Journal of the TRB,2018,SCI
73	Hareshkumar Dahyabhai Golakiya and Ashish Dhamani , Modeling Speed and Capacity Estimation at Urban Midblock Sections under the Influence of Crossing Pedestrians, Journal of Transportation Engineering, Part – A, Systems, ASCE, 145(9), 2019,1-14
74	Yogeshwar Navandar, Ashish Dhamaniya, Dilip Patel and Satish Chandra , Traffic Flow Analysis at Manual Toll Booth Operation under Mixed Traffic Conditions, Journal of Transportation Engineering, Part – A, Systems, ASCE, 145(6), 2019,1-17
75	Yogeshwar Navandar, Ashish Dhamaniya and D. A. Patel , Empirical Analysis of Level of Service based on Users Perception at Manual Tollbooth Operation in India, Transportation Research Procedia, 37, 2019,314-321.
76	Pinakin Patel and Ashish Dhamaniya , Stream Equivalency Factor for Mixed Traffic at Urban Signalised Intersections., Transportation Research Procedia, 37, 2019,362-368.
77	Hareshkumar Dahyabhai Golakiya, Manish Patkar and Ashish Dhamaniya , Impact of Midblock Pedestrian Crossing on Speed Characteristics and Capacity of Urban Arterials https://doi.org/10.1007/s13369-019-03786-x , Arabian Journal for Science and Engineering, DOI(In Press),2019
78	Yogeshwar Navandar, Ashish Dhamaniya and Dilip Patel , Headway Distribution for Manually Operated Tollbooths in India in Mixed Traffic Condition, Proceedings of the Institution of Civil, DOI (In Press), 2018
79	Yogeshwar Navandar, Ashish Dhamaniya and Dilip Patel , Service Time Prediction Models for Manual Toll Booth Operation under Mixed Traffic Conditions, European Transport, 68(9),2018, 794-806
80	Yogeshwar Navandar, Haresh Golakiya, Ashish Dhamaniya and D. A. Patel , Vehicle Class Wise Service Time Prediction Models for Tollbooths under Mixed Traffic Conditions(doi: http://doi.org/10.1061/9780784482025.081), Urbanization Challenges in Emerging Economies, ASCE, 2018,794-806.
81	Hareshkumar Dahyabhai Golakiya and Ashish Dhamaniya , Evaluation of Pedestrian Safety Index at Urban Mid-Block (https://doi.org/10.1061/9780784482025.069), 2018, 676-687.
82	Hareshkumar Dahyabhai Golakiya and Ashish Dhamaniya , Evaluating LOS at Urban Midblock Section under the Influence of Crossing Pedestrians in Mixed Traffic Conditions, Transportation Research Procedia) World Conference on Transport Research - WCTR 2019),2019
83	Hareshkumar Dahyabhai Golakiya, Ritvik Chauhan and Ashish Dhamaniya , Mapping Pedestrian-Vehicle Behavior at Urban Undesignated Mid-Block Crossings under Mixed Traffic Environment – A Trajectory-Based Approach, Transportation Research Procedia) World Conference on Transport Research - WCTR 2019), 2019.
84	Pinakin N. Patel and Ashish Dhamaniya , Calibration of HCM Equation to Estimate the Saturation Flow at Signalised Junction under Mixed Traffic, Accepted for Publication in IET Intelligent Transport Systems, 2019.
85	Pinakin N. Patel and Ashish Dhamaniya , Traffic Equivalency Factor for Mixed Traffic to Estimate the Saturation Flow at Signalized Junctions, WCTR 2019.

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
86	Asir Khan, Tania Ann Joseph, S.S. Arkatkar, Ashish Dhamaniya , Effect of two-wheeler proportion on passenger car units at four legged roundabouts, WCTR 2019.
87	Hareshkumar Dahyabhai Golakiya and Ashish Dhamaniya , Delay estimation at urban midblock section influenced by crossing pedestrians under mixed traffic conditions, 22nd EWGT-Spain 2019, Accepted for Publication in Transportation Research Procedia, 2019.
88	Vora, A., Sharma, P. J., Loliyana, V. D., Patel, P. L., & Timbadiya, P. V. (2018). Assessment and prioritization of flood protection levees along the lower Tapi River, India. Natural Hazards Review, 19(4), 05018009.
89	Parikh, D., Patel, D. A., and Joshi, G.J. , Development of prediction models for claim causes analyses in highway projects, Journal of Legal Affairs and Dispute Resolution in Engineering and Construction, ASCE, 04519018-1 to -11, 2019
90	Vyas, G. S., Patel, D. A., and Jha, K. N. , Fuzzy approach for developing green building rating system – A case of India, Journal of Architectural Engineering, ASCE, 04019004-1 to 12, 2019
91	Navandar, Y.V., Dhamaniya, A., Patel, D. A., and Chandra, S. , Traffic Flow Analysis at Manual Toll Booth Operation under Mixed Traffic Conditions, Journal of Transportation Engineering: Part A Systems, ASCE, 04019023-1 to 17, 2019
92	Navandar, Y.V., Dhamaniya, A., and Patel, D. A. , Service Time Prediction Models for Manual Toll Booth Operation under Mixed Traffic Conditions, European Transport, 2019
93	Navandar, Y.V., Dhamaniya, A., and Patel, D. A. , Headway Distribution for Manual Operated Tollbooths in India under Mixed Traffic Condition, Proceedings of the Institution of Civil Engineers Journal of Transport, 1-9, 2018
94	Navandar, Y.V., Dhamaniya, A., and Patel, D. A. , Empirical Analysis of Level of Service based on Users Perception at Manual Tollbooth Operation in India, Transportation Research Procedia, 2018
95	Tandel B. N. & Yadav M. M. , “Exposure effect study of traffic noise on road side shopkeepers in Surat city, India”, Indian Journal of Environmental Protection (Scopus Indexed). (Accepted in May-2019)
96	Tandel B. N. & Sonaviya D. R. , “Limitations of noise maps developed for heterogeneous urban road traffic condition: A case study of Surat city, India”, Noise and Vibration Worldwide (Scopus Indexed). (Accepted in April-2019)
97	Tandel B. N. & Sonaviya D. R. , “A review on GIS based approach for road traffic noise mapping”, Indian Journal of Science & Technology (Thomas Reuters indexed), 1-6, Vol-12, Issue-14, April-2019. Print ISSN: 0974-6846 Online ISSN: 0974-5645
98	Tandel B. N. & Sonaviya D. R. , “2-D noise maps for tier-II city of urban Indian roads”, Noise Mapping (Scopus Indexed). 1-7, Vol.-6, March-2019. ISSN No: 2084-879X.
99	Rupal Waghwal and Agnihotri P G , “Flood risk assessment and resilience strategies for flood risk management: A case study of Surat City”, International Journal of Disaster Risk Reduction (Elsevier) April. 2019
100	Azaz Pathan and Agnihotri P G , “A combine Approach For 1-D Hydrodynamic Flood Modeling Using Arc-GIS, HEC-GeoRAS, HEC-RAS Interface- A Case Study of Purna River of Navsari City, Gujarat “, International Journal of Recent Technology and Engineering (IJRTE), Volume-8, Issue-1, May 2019
101	“Rupal Waghwal and Agnihotri P G , “ Assessing the Impact Index of Urbanization on Urban Flood Risk ”, International Journal of Recent Technology and Engineering- IJRTE(Scopus journal), June. 2019

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Subhadeep Ghosh, Jigna R. Bhamore, Naved I. Malek, and 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 ²⁺ , Co ²⁺ and Hg ²⁺ ions). Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy , .215, (2019), 209–217.
02	Sonia R. Lakhotia, Mausumi Mukhopadhyay and Premlata Kumari, Iron oxide (FeO) nanoparticles embedded thin-film nanocomposite nanofiltration (NF) membrane for water treatment, Separation and Purification Technology , 211, (2019), 98-107
03	Gourav Mishra and Mausumi Mukhopadhyay , TiO ₂ decorated functionalized halloysite nanotubes (TiO ₂ @HNTs) and photocatalytic PVC membranes synthesis, characterization and its application in water treatment, Scientific Reports- Nature , 9, (2019), 4345.
04	Jigna R. Bhamore, Z.V.P. Murthy and Suresh Kumar Kailasa, Fluorescence Turn-Off detection of spermine in biofluids using pepsin mediated synthesis of gold nanoclusters as a probe. Journal of Molecular Liquids , .280, (2019),18-24.
05	Jignasa V. Gohel , Preeti S. Mishra and Z.V.P. Murthy , TiO ₂ nanoparticles prepared by mechanical reduction technique for superior DMFC nanocomposite PVA membranes. Separation Science and Technology , .54, (2019), 233–246.
06	Smitha Rajesh and Z.V.P. Murthy , Synthesis, characterization and application of antioxidants nanoparticles incorporated polymeric membranes. Separation Science and Technology , 54, (2019), 247–257.
07	Ashwin R. Kamble, Chetan M. Patel and Z. V. P. Murthy , Modification of PVDF membrane by two-dimensional inorganic additive for improving gas permeation. Separation Science and Technology , 54, (2019), 311–328.
08	Nikhil R. Mene, Z.V.P. Murthy , Recovery of pure water and crystalline products from concentrated brine by using membrane distillation crystallization. Separation Science and Technology , 5, (2019) 396–408.
09	P. Jangir, A.K. Jana , CFD simulation of droplet splitting at microfluidic T-junctions in oil–water two-phase flow using conservative level set method, Journal of the Brazilian Society of Mechanical Sciences and Engineering , 41:75 (2019).
10	Mehali J. Mehta, Mausumi Mukhopadhyay and R. A. Christian, Regeneration and reuse of magnesium oxide (MgO) nanocrystallites. Separation Science and Technology , 54, (2019), 275-281.
11	Mausumi Mukhopadhyay , Sonia R. Lakhotia, A. K. Ghosh and R. C. Bindal, Removal of Arsenic from Aqueous media using Zeolite/Chitosan Nanocomposite Membrane, Separation Science and Technology , 54, (2019), 282-288.
12	Dharmesh H. Sur and Mausumi Mukhopadhyay , Role of zinc oxide nanoparticles for effluent treatment using <i>Pseudomonas putida</i> and <i>Pseudomonas aureofaciens</i> , Bioprocess and Biosystem Engineering , 42, (2019), 187-198.
13	Chandra Bhushan T. Pal and G.C.Jadeja , Deep eutectic solvent-based extraction of polyphenolic antioxidants from onion (<i>Allium cepa</i> L.) Peel, Journal of the Science of Food and Agriculture , 99, (2019), 1969-1979.
14	Imran, M., Prakash, O., Pushkar, P., Mungray, A.A. , Suresh Kumar, K., Chongdar, S., Mungray, A.K. , Performance enhancement of benthic microbial fuel cell by cerium coated electrodes. Electrochimica Acta , 295, (2019), 58-66.
15	Pankaj M. Pardeshi and Alka A. Mungray ; Photo-polymerization as a new approach to fabricate the active layer of forward osmosis membrane, Scientific Reports 9 (2019) 1937.
16	Nitu Kumari, Sanjaykumar R. Patel , and Jignasa V. Gohel , Superior efficiency achievement for FAPbI ₃ -perovskite thin film solar cell by optimization with response surface methodology technique and partial replacement of Pb by Sn, Optik – International Journal for Light and Electron Optics , 176, (2019), 262-277.
17	Krishna P. Solanki, Meghal A Desai , Jigisha K Parikh , Sono hydrodistillation for isolation of citronella oil: A symbiotic effect of sonication and hydrodistillation towards energy efficiency and environment friendliness, Ultrasonics Sonochemistry , 49 (2018) 145-153

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
18	Jainesh H. Jhaveri, Chetan M. Patel, Z.V.P. Murthy , Reactive Modification of PVC Membranes for the Improved Performance, Membrane Water Treatment , .9, (2018) 385-392.
19	Jigna Bhamore, Sanjay Jha, Rakesh Singhal, Z.V.P. Murthy , Suresh Kumar Kailasa, Amylase protected gold nanoclusters as chemo- and bio- sensor for nanomolar detection of deltamethrin and glutathione, Sensors & Actuators: B. Chemical , .281 (2019), 812-820.
20	Shilpa K. Nandwani, Mousumi Chakraborty, Smita Gupta , Chemical flooding with ionic liquid and nonionic surfactant mixture in artificially prepared carbonate cores: A diffusion controlled CFD simulation. Journal of Petroleum Science and Engineering 173 (2019) 835–843.
21	Shilpa K. Nandwani, Mousumi Chakraborty , Hans-Jorg Bart, Smita Gupta , Synergism, phase behaviour and characterization of ionic liquid-nonionic surfactant mixture in high salinity environment of oil reservoirs. Fuel 229 (2018) 167–179.
22	Sanjay Srivastava, G.C.Jadeja, Jigisha K. Parikh , Optimization and Reaction Kinetics Studies on Copper-Cobalt Catalyzed Liquid Phase Hydrogenation of 5-Hydroxymethylfurfural to 2,5-Dimethylfuran, International Journal of Chemical Reactor Engineering , 16 (2018) September (9) (Published Online).
23	Raj Kumar, Chetan M. Patel, Arun K. Jana , Srikanth R. Gopireddy, Prediction of Hopper Discharge Rate Using Combined Discrete Element Method and Artificial Neural Network, Advanced Powder Technology . 29 (2018). 2822-2834.
24	Nitu Kumari, Sanjay kumar R. Patel and Jignasa V. Gohel , Enhanced stability and efficiency of Sn containing perovskite solar cell with SnCl ₂ and SnI ₂ precursors, Journal of Materials Science: Materials in Electronics , 29 (2018) 18144-18150.
25	Saurabh C. Singh, Rupesh A. Khare, Z.V.P. Murthy , Effect of Hemicelluloses on Pulp Characteristics and Use of Ceramic Membranes in the Separation of Hemicelluloses from Highly Alkaline Industrial Process Stream, Cellulose , 25, (2018) 2577-2588.
26	Jigna Bhamore, Sanjay Jha, Hirakendu Basu, Rakesh Kumar Singhal, Z.V.P. Murthy , Suresh Kumar Kailasa, Tuning of Gold Nanoclusters Sensing Applications With Bovine Serum Albumin and Bromelain for Detection of Hg ²⁺ Ion and Lambda-cyhalothrin via Fluorescence Turn-Off and On Mechanisms, Analytical and Bioanalytical Chemistry , 410, (2018), 2781-2791.
27	Patel Chetan M. , Preparation of Lamotrigine Drug Nanoparticles by Nanomilling, Research Journal of Chemistry and Environment , 22 (2018), 7-11.
28	Nitu Kumari, Jignasa V. Gohel , and Sanjaykumar R. Patel , Current Progress and Future Prospective of Perovskite Solar Cells: A comprehensive Review, Reviews of advanced materials science , .53 (2018) 161-186.
29	Nitu Kumari, Jignasa V. Gohel , and Sanjaykumar R. Patel , Optical and structural properties of ZnO thin films prepared by spray pyrolysis for enhanced efficiency perovskite solar cell application, Optical and quantum electronics , 50:180 (2018).
30	Prakash, O., Mungray, A. A. , Kailasa, S. K., Chongdar, S., Mungray, A. K. , Comparison of different electrode materials and modification for power enhancement in benthic microbial fuel cells (BMFCs). Process Safety and Environmental Protection . 117 (2018) 11-21.
31	Miral R. Thakker, Jigisha K. Parikh, Meghal A. Desai , Synergism between Ionic Liquid and Ultrasound for Greener Extraction of Geraniol: Optimization using Different Statistical Tools, Comparison and Prediction, Chemical Engineering Research and Design , 134 (2018) 162-171.
32	Rikame, S. S., Mungray, A.A., Mungray, A. K. Modification of anode electrode in microbial fuel cell for electrochemical recovery of energy and copper metal. Electrochimica Acta , 275, (2018), 8-17.
33	Yadav, T., Mungray, A.A., Mungray, A. K. Mungray , Generation of TiO ₂ nanoparticle-based acacia saturated eggshell biocomposite for pathogen removal. Environmental Nanotechnology, Monitoring & Management , 9, (2018), 50-57
34	Sonia R. Lakhota, Mausumi Mukhopadhyay and Premlata Kumari, A short review: Surface modified nanocomposite membrane, Separation and Purification Reviews , 47, (2018), 288-305.

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
35	Gourav Mishra and Mausumi Mukhopadhyay , Enhanced antifouling performance of halloysite nanotubes (HNTs) blended poly (vinyl chloride)(PVC/HNTs) ultrafiltration membranes: for water treatment, Journal of Industrial and Engineering Chemistry , 63, (2018), 366-379.
36	Preeti Dauthal and Mausumi Mukhopadhyay , Antioxidant activity of phytosynthesized biomatrix-loaded noble metallic nanoparticles, Chinese Journal of Chemical Engineering , 26, (2018), 1200-1208.
37	V. Umrigar, Mousumi Chakraborty , P A Parikh , Catalytic activity of zeolite H β for the preparation of fuels' additives: Its product distribution and scale up calculation for the biofuel formation in a microwave assisted batch reactor, Journal of Environmental Chemical Engineering , 6 (2018) 6816-6827.
38	Y.D.Shinde, Mousumi Chakraborty , P.A. Parikh , <u>Combined influence of alkaline earth metals and CO₂ on performance of hierarchical zeolite Beta in <i>n</i>-hexane isomerization</u> , Applied Petrochemical Research 9 (2018) 57-62.

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	J. Sathish Kumar and Mukesh A. Zaveri , "Clustering Approaches for Pragmatic Two-Layer IoT Architecture", Hindawi and Wiley Journal of Wireless Communications and Mobile Computing, vol. 2018 (Article ID 8739203), pp. 1-17, June 2018.
02	Vaishali Pawar and Mukesh A. Zaveri , "Graph based Filtering and Matching for Symbol Recognition", SCIRP Journal of Signal and Information Processing, Vol. 9(3), pp. 167-191, Aug 2018.
03	Meghavi Choksi and Mukesh A. Zaveri , "Multiobjective Based Resource Allocation and Scheduling for Postdisaster Management Using IoT", Hindawi and Wiley Journal of Wireless Communications and Mobile Computing, Vol. 2019 (Article ID 6185806), pp. 1-16, March 2019.
04	J. Sathish Kumar and Mukesh A. Zaveri , "Resource Scheduling for Postdisaster Management in IoT Environment", Hindawi and Wiley Journal of Wireless Communications and Mobile Computing, Vol. 2019 (Article ID 7802843), pp. 1-19, March 2019.
05	Saurabh K. Pandey and Mukesh A. Zaveri , "DoA-based Event Localisation using Concentric Circular Array in the IoT Environment", The Computer Journal, Oxford University Press, (Published online) March 2019.
06	B. Tidke, R. Mehta, D. Rana and H. Jangir, "Topic Sensitive User Clustering using Sentiment Score and Similarity Measures: Big Data and Social Network", International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), IGI Global , Vol. 15(2), 2020 (Accepted)
07	Bharat Tidke, Rupa Mehta, Dipti Rana , Divyani Mittal, Pooja Suthar, Jenish Dhanani, "Citizen Centric Influence Analysis for Smart city", Information Systems Frontiers, Springer. (Editor Assignment Pending) (SCI)(Impact:2.539) (Accepted)
08	M. Desai, R. Mehta, D. Rana , "Issues and challenges in big graph modelling for smart city: An extensive survey", International Journal of Computational Intelligence & IoT, Elsevier-SSRN (ISSN: 1556-5068), Vol. 1, pp. 44-50, 2018. https://ssrn.com/abstract=3354388
09	J. Dhanani, R. Mehta, D. Rana , B. Tidke, "Big and Stream Data Analytics using Incremental MapReduce framework for Smart City", International Journal of Computational Intelligence & IoT, Elsevier-SSRN (ISSN: 1556-5068), Vol. 1(2), pp.267-271, 2018. https://ssrn.com/abstract=3354729
10	N. Jain, M. Desai, D. Rana , "Empirical comparison of IoT based smart home models", International Journal of Computational Intelligence & IoT, Elsevier-SSRN (ISSN: 1556-5068),

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Vol. 2(2), pp. 455-460, 2018. https://ssrn.com/abstract=3355516
11	S. R. Lahane, K. N. Jariwala , "Cross Layer Design for Routing with the Available Bandwidth at MAC Layer in Wireless Network, Journal of Advance Research in Dynamical Control System (JARDCS), Special Issue -15, pp. 534 -543, Dec. 2018
12	S. Patil, K. N. Jariwala , "Image Tampering Detection Techniques: A statistical review", HELIX -The Scientific Explorer, Volume 9(3), pp 5004 -5008, Feb 2019
13	S. Patil, K. N. Jariwala , "Adaptive Key point Selection for Detection of Tampering in Images", International Journal of Innovative Technology and Exploring Engineering (IJITEE), Volume X Issue X, pp. 1-6, Apr 2019
14	B. Tidke, R. Mehta, D. Rana and H. Jangir, "Topic Sensitive User Clustering using Sentiment Score and Similarity Measures: Big Data and Social Network", International Journal of Web-Based Learning and Teaching Technologies (IJWLTT), IGI Global, Vol. 15(2), 2020 (Accepted)
15	Bharat Tidke, Rupa Mehta, Dipti Rana , Divyani Mittal, Pooja Suthar, Jenish Dhanani, "Citizen Centric Influence Analysis for Smart city", Information Systems Frontiers, Springer. (Editor Assignment Pending) (SCI)(Impact:2.539) (Accepted)
16	A. More, D. Rana , I. Agarwal, "Random Forest Classifier Approach for Imbalanced Big Data Classification for Smart City Application Domains", International Journal of Computational Intelligence & IoT, Elsevier-SSRN (ISSN: 1556-5068), Vol. 1(2), pp. 260-266, 2018. https://ssrn.com/abstract=3354727
17	I. Agarwal, D. P. Rana , A. More, "Predicting the Veracity of Fake News on Smart Media for Reducing Misinformation Diffusion", International Journal of Computational Intelligence & IoT, Elsevier-SSRN (ISSN: 1556-5068), Vol. 1(2), pp. 217-223, 2018. https://ssrn.com/abstract=3354570
18	N. Jain, M. Desai, D. Rana , "Empirical comparison of IoT based smart home models", International Journal of Computational Intelligence & IoT, Elsevier-SSRN (ISSN: 1556-5068), Vol. 2(2), pp. 455-460, 2018. https://ssrn.com/abstract=3355516
19	Kamalkumar Macwan, Sankita Patel , k-NMF Anonymization in Social Network Data Publishing, The Computer Journal, Oxford press, 601-613, 2018
20	Unnati Shah, Sankita Patel, Devesh Jinwala , Constructing a Knowledge-based Quality Attributes Relationship Matrix to Identify Conflicts in Non-Functional Requirements, Journal of Computational and Theoretical Nanoscience as a Special issue on Intelligent Computing, 2018 (in press)

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Ravish H. Hirpara and Shambhu N. Sharma, "The Kushner-Stratonovich Stochastic Method for a Master Robot of a Telerobotic systems: Beyond Extended Kalman Filtering," International Journal of Intelligent Engineering Informatics, Vol.7, No.2/3, pp.286 – 308, 2019. (Index Science publication: Web of Science, ESCI category) 10.1504/IJIEI.2019.10020458
02	Ashutosh K Giri, Sabha Raj Arya, Rakesh Maurya, and B. Chitti Babu, "VCO less PLL Control Based VSC for Power Quality improvement in Distributed Generation System," <i>IET Electric Power Applications</i> , vol. 13, no. 8, pp. 1114-1124, 2019.
03	Sabha Raj Arya, Rakesh Maurya and Talada Appala Naidu, "Amplitude Adaptive Notch Filter with Optimized PI Gains for Mitigation of Voltage based Power Quality Problems," CPSS Transactions on Power Electronics and Applications, vol. 3, no. 4, pp. 313-323, Dec. 2018.
04	Talada Appala Naidu, Sabha Raj Arya and Rakesh Maurya, "Dynamic Voltage Restorer with Quasi Newton Filter based Control Algorithm and Optimized values of PI Regulator Gains, Accepted for Publication in <i>IEEE Journal of Emerging and Selected Topics in Power</i>

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	<i>Electronics.</i>
05	Ashutosh K Giri, Sabha Raj Arya, Rakesh Maurya and Ramakanta Mehar, " Variable Learning Adaptive Gradient Based Control Algorithm for VSC in Distributed Generation," IET Renewable Power Generation, vol. 12, no. 16, pp. 1883 – 1892, 2018.
06	Ashutosh K. Giri, Sabha Raj Arya and Rakesh Maurya, Compensation of Power Quality Problems in Wind based Renewable Energy System for Small Consumer as Isolated loads, <i>IEEE Transactions on Industrial Electronics</i> , vol. 66, no. 11, pp. 9023-9031, Nov. 2019.
07	Sanjay Kumar Patel, Sabha Raj Arya, Rakesh Maurya and B. C. Babu, "Control Scheme for DSTATCOM based on Frequency Adaptive Disturbance Observer," <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , vol. 6, no.3, pp. 1345-1354, 2018.
08	T. Appala Naidu, Sabha Raj Arya and Rakesh Maurya, "Multi-Objective Dynamic Voltage Restorer with Modified EPLL Control and Optimized PI Controller Gains," <i>IEEE Transactions on Power Electronics</i> , vol. 34, no. 3, pp. 2181-2192, March 2019.
09	Ashutosh K. Giri, Sabha Raj Arya, Rakesh Maurya and B. C. Babu, "Power Quality Improvement in Stand-alone SEIG based Distributed Generation System using Lorentzian Norm Adaptive Filter," <i>IEEE Transactions on Industry Applications</i> vol. 54, no. 5, pp. 5256-5266, Sept.-Oct. 2018.
10	B. R. Ananthapadmanabha, Rakesh Maurya and Sabha Raj Arya, "Improved Power Quality Switched Inductor Cuk Converter for Battery Charging Application," <i>IEEE Transactions on Power Electronics</i> , vol. 33, no.11, pp. 9412-9423, 2018.
11	Ashutosh K. Giri ,Amin Qureshi, Sabha Raj Arya, Rakesh Maurya and B.Chitti Babu,"Features of Power Quality in Single Phase Distributed Power Generation using Adaptive Nature Vectorial Filter," <i>IEEE Transactions Power Electronics</i> , vol. 33 No.11 pp. 9482-9495, 2018.
12	B.R. Ananthapadmanabha, Rakesh Maurya and Sabha Raj Arya, "Hybrid converter for electric vehicle battery Charging with power quality features," International Journal of Computational Systems Engineering, vol.5, No.1, pp24-35, 2019.
13	Sabha Raj Arya, Rakesh Maurya and Ashutosh K Giri, "Enhancement of Power Quality in Wind based Distributed Generation System using Adaptive Vectorial Filter," Accepted for Publication in International Journal of Emerging Electric Power systems, vol. 19. No.5. 2018.
14	B.R. Ananthapadmanabha, Rakesh Maurya, Sabha Raj Arya and B.Chitti Babu, "Smart Battery Charging Station for Electric Vehicle using Half Bridge Power Converter," International Journal of Emerging Electric Power systems, vol. 19. No.4. 2018.
15	Papia Ray, Sabha Raj Arya and Debani Prasad Mishra,"Intelligence Scheme for Fault Location in a Combined Overhead Transmission Line and Underground Cable,"International Journal of Emerging Electric Power, vol. 19. No.5. 2018.
16	Sanjay K. Patel, Sabha Raj Arya and Rakesh Maurya,"Control of three phase DSTATCOM using optimal step LMS algorithm," Journal of Electrical Power and System Components (in press-2019).
17	Sabha Raj Arya, Nunsavath Sharath Kumar, Ashutosh Giri and Amin Qureshi, "Fuel Cell Integration with Grid using Voltage Source Converter and its Control," International Journal of Power and Energy Conversion (in press-2019)
18	Sabha Raj Arya, Rakesh Maurya and Talada Appala Naidu, "Phase Locked Loop based Techniques for Compensation of Voltage Based Power Quality issues in Distribution System," International Journal of Emerging Electric Power systems, vol. 19. No.5. 2018.
19	Talada Appala Naidu, Sabha Raj Arya and Rakesh Maurya, " Phase Locked Loop based on Third Order SSI for Compensation of Voltage Related Power Quality issues using DVR," Journal of Electrical Power and System Components, Vol. 47 No. 4-5, pp. 2019
20	ShaikhMo.Suhel A, Rakesh Maurya, "A Comparative Study of PWM Techniques for Multiphase Induction Motor Drives," <i>International Journal of Emerging Electric Power Systems</i> . 2018, DOI: 10.1515/ijeeps-2018-0049 (Accepted)
21	ShaikhMo.Suhel A, Rakesh Maurya, "Realization of 24-Sector SVPWM with New Switching Pattern for Six-Phase Induction Motor Drive ," <i>IEEE Transactions on Power Electronics</i> , vol.

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	34, no. 6, pp. 5079-5092, June 2019.
22	YogeshSahu, PrabhakarTiwari and RakeshMaurya, "Modeling of Photovoltaic Module with MATLAB/Simulink," <i>Trends in OptoElectro& Optical Communication</i> . Vol. 09, no. 01, pp. 38-45, 2019
23	ShaikhMo.Suhel A, Rakesh Maurya, Nitin Gupta, "Modified Switching Table Based Direct Torque Control of Six-Phase Induction Motor Drive," <i>Electric Power Components and Systems</i> , https://doi.org/10.1080/15325008.2019.1637970 , 2019. (Accepted)
24	Rajan V. Rakesh Maurya, ShaikhMo.Suhel A, "Implementation of PWM technique with Soft Starting Algorithm for Three-Phase Induction Motor Drives" <i>International Journal of Power and Energy Conversion</i> (Inderscience), 2019. (Accepted)
25	ShaikhMo.Suhel A, Rakesh Maurya, "Simplified implementation of SVPWM techniques for a Six-phase machine with reduced current distortion features," <i>IET Electric Power Applications</i> , 2019. DOI:10.1049/iet-epa.2018.5918 (Accepted)
26	Dhruvesh Mehta, PrasantaKundu, Anandita Chowdhury ,Development of energy efficient, cost-optimized transformer with low partial discharges, , <i>Modelling, Measurement and Control A</i> , Vol.91, no 2, pp 59-65, June 2018.
27	Deepak M. Sonje, P. Kundu and A. Chowdhury, A Novel Approach for Sensitive Inter-turn Fault Detection in Induction Motor Under Various Operating Conditions, <i>Arabian Journal for Science and Engineering</i> , March,2019
28	Mukul Dixit, PrasantaKundu, Hitesh R. Jariwala, "Optimal integration of shunt capacitor banks in distribution networks for assessment of techno-economic asset", <i>Computers & Electrical Engineering</i> , Vol. 71, October 2018, pp. 331-345.
29	Mukul Dixit, PrasantaKundu, Hitesh R. Jariwala, "Techno-economic analysis-based optimal incorporation of distributed energy resources in distribution network under load uncertainty", <i>International Journal of Ambient Energy</i> , https://doi.org/10.1080/01430750.2018.1562970 , January 2019, pp. 1-7.
30	Hitesh K. Mehta, Himanshu Warke, Kaushik Kukadiya, A. K. Panchal, "Accurate expressions for single-diode-model solar cell parameterization", <i>IEEE Journal of Photovoltaics</i> 9(3) (2019), 803-810
31	Hitesh K. Mehta, Nukala Tejeswar, A. K. Panchal, "A fast computing three-point model for PV system in uniform and non-uniform conditions", <i>Journal of Renewable and Sustainable Energy</i> 10 (2018) 065501
32	Ashok Kherodia, A. K. Panchal, "Effects of hydrogen dilution on opto-structural properties of hot-wire CVD grown a-Si:H/nc-Si:H multilayer for photovoltaics", <i>Silicon</i> (2018), 10 (4), 1475-1485.
33	Dharmesh Patel, N. G. Chothani and K. D. Mistry, "Discrimination of Inrush, Internal and External Fault in Power Transformer using Phasor Angle Comparison and Biased Differential Principle," <i>Electrical Power Component and System</i> , vol. 46, pp. 788-801, 2018
34	D. D. Patel, Nilesh Chothani, K. D. Mistry, Dhaval Tailor, "Adaptive Algorithm for Distribution Transformer Protection to Improve Smart Grid Stability," <i>International Journal of Emerging Electric Power Systems</i> , vol.19, pp1-4, august 2018.

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	S. Sruthi, Rasika Dhavse, Jignesh N Sarvaiya, "Precise, portable and wide band alternating current source for extremely low current values", <i>journal of analog integrated circuits and signal processing</i> , springer publication, SCI Index. Published online on 25 th February 2019.
02	Sarosh Dastoor, Upena Dalal, Jignesh Sarvaiya, "Collaborative Communication based modern Cellular Planning and Optimization of the Network Performance parameters using GA", <i>International Journal of Innovative Technology and Exploring Engineering</i> , Vol 8, issue 9, pp. 2810 – 2818., BEIESP publication. (Scopus Indexed)

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
03	Ratnesh Kumari, Rahul Yadav, Piyush N. Patel, "A Complementary Patch Loaded Epsilon Negative Artificial Material to Facilitate Miniaturization of S-Band Microwave Devices," International Journal of Wireless Personal Communications-Springer, https://doi.org/10.1007/s11277-019-06309-x , 2019.
04	Z.M.Patel, "Low Noise and Low Distortion Telescopic OTA for Biomedical Signal Processing", Journal of Recent Advances in Electrical & Electronic Engineering, Bentham Science Publishing. SCOPUS Indexed. Vol.=12, No.1(Accepted: 2 nd July, 2018) ISSN: 2352-0973 (Online)
05	Ketki C. Pathak, Jignesh N. Sarvaiya, Anand D. Darji and Pooja Panchal , " Selection criteria of measurement matrix for compressive sensing based medical image Reconstruction," paper published in International Journal of Innovative Technology and Exploring Engineering (IJITEE) ISSN: 2278-3075, Volume-8, Issue-6S3, April 2019.(Scopus Indexed)
06	Hirani, R.R., Pathak, S.K., Shah, S.N., Sharma, D.K., "Dispersion characteristics of dielectric tube waveguide loaded with plasma for leaky wave antenna application ", AEU - International Journal of Electronics and Communications, Volume 83, January 2018, Pages 123-130. DOI: 10.1016/j.aeue.2017.08.019
07	Desai, M.V., Shah, S.N., Impacts of intense geomagnetic storm on NAVIC/IRNSS system, Annals of Geophysics, Volume 61, Issue 5, 2018, Article number GE557, DOI: 10.4401/ag-7856
08	Desai, M.V., Shah, S.N., "The GIVE ionospheric delay correction approach to improve positional accuracy of NavIC/IRNSS single-frequency receiver", Current Science Volume 114, Issue 8, 25 April 2018, Pages 1665-1676, DOI: 10.18520/cs/v114/i08/1665-1676
09	Jagiwala, D.D., Shah, S.N., "Impact of Wi-Fi interference on NavIC signal", Current Science, Volume 114, Issue 11, 10 June 2018, Pages 2273-2280, DOI: 10.18520/cs/v114/i11/2273-2280
10	M. V. Desai, and Dr.(Mrs.) S. N. Shah, Impacts of Intense Geomagnetic Storm On NavIC/IRNSS System, "Annals of Geophysics", vol. 61, no.5, 2018, pp-1-15, DOI: https://doi.org/10.4401/ag-7856 , SCI indexing journal
11	Jagiwala, D.D., Shah, S.N., "Perception and reduction of Wi-Fi interference on NavIC signals", IET Radar, Sonar and Navigation, Volume 13, Issue 3, 1 March 2019, Pages 352-356, DOI: 10.1049/iet-rsn.2018.5291
12	Priyanka L. Lineswala, , Shweta N. Shah, "Jamming: The probable menace to NavIC", IET Radar, Sonar and Navigation, doi: 10.1049/iet-rsn.2018.5429
13	Priyanka L. Lineswala, Darshna D. Jagiwala and Shweta N. Shah, "Hypothesis Test-based Detection of Wi-Fi Interference on NavIC/IRNSS S-band Signal", THE JOURNAL OF NAVIGATION, Page 1 of 17, 2019. doi:10.1017/S037346331900002X
14	M. V. Desai, and Dr.(Mrs.) S. N. Shah, Estimation of Ionospheric Delay of NavIC/IRNSS Signals using the Taylor Series Expansion, Journal of Space Weather and Space Climate, Reference Number:swsc180057, SCI indexing journal (Paper accepted with minor revision)
15	M. V. Desai, and Dr.(Mrs.) S. N. Shah, An Observational Review on Influence of Intense Geomagnetic Storm on Positional Accuracy of NavIC/IRNSS System, IETE Technical Review, Reference Number: TITR- TITR 1599739, SCI indexing journal (Paper accepted with minor revision)
16	Rasila hirani, K N Pathak, S N Shah, "Full Wave Analysis and Computation of Radiation Characteristics for Reconfigurable Plasma Antennas," IEEE Transactions on Antennas and Propagation, pg: 1-3, 2019. (DOI: 10.1109/TAP.2019.2911640)
17	Rasila Hirani, Shweta Shah, Surya Pathak , "Mathematical and Computational Modelling of Dispersion Characterization for Dielectric Tube Waveguide Filled with Plasma", International Research Journal of Engineering and Technology (IRJET), Vol-05,2018
18	Priyanka Lineswala, Shweta Shah, "Performance Analysis of Different Interference Detection Techniques for NavIC", IET Radar, Sonar & Navigation, 2019
19	Gireesh G. Soni,, Abhishek Tripathi, Abhilash S. Mandloi, Shilpi Gupta, "Effect of wind

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	pressure and modulation schemes on rain interrupted optical wireless links under tropical climates", Optical and Quantum Electronics, vol. 172, pp. 1-10, 2019
20	Pooja Bhamre, Shilpi Gupta, "GMTI STAP performance under space-time impaired clutter environment", IET Radar, Sonar & Navigation, DOI: 10.1049/iet-rsn.2019.00832019
21	Gireesh G. Soni,, Abhishek Tripathi, Abhilash S. Mandloi, Shilpi Gupta, "Compensating rain induced impairments in terrestrial FSO links using aperture averaging and receiver diversity", Optical and Quantum Electronics, Issue 7, 2019
22	Pooja Bhamre, Shilpi Gupta," Optimization of Poly Phase Codes in Time Domain for MIMO RADAR", International Journal of Innovative Technology and Exploring Engineering, Volume-8 Issue-9, July 2019
23	Tripathi, Abhishek, Gireesh G. Soni, Shilpi Gupta, and Abhilash S. Mandloi. "Experimental investigation of wind and temperature induced scintillation effect on optical wireless communication link." Optik 178 (2019): 1248-1254.
24	Sonal Parmar, Upena Dalal, K. N Pathak, "Analysing Impact of Major Solar Flares on Ionospheric TEC using NavIC/IRNSS signals", Current science Journal, June 2019, Scopus and Web of Science.
25	Vinay Singh, Upena Dalal, "Integration of frequency modulated constant envelope technique with ADO-OFDM to impede PAPR in VLC", Optics Communications, Vol. 418,pp. 80-87,2018, SCI.
26	Shilpi Gupta Chhaya Mehta,U D Dalal, "Performance Analysis of OFDM System Using Non-conventional Transform and Non-conventional Mapping Schemes over Rayleigh Channel", Journal of Communication Engineering and Systems, vol. 2, pp. 13-20,2019,eISSN: 2249-8613 ISSN: 2321-5151
27	Pinalkumar Engineer, Sachin Patkar, Rajbabu Velmurugan, Scalable implementation of particle filter-based visual object tracking on network-on-chip (NoC), Springer Journal of Real-Time Image Processing (JRTIP), March 2019

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Ajit Dhanawade, and Shailendra Kumar, Study on carbon epoxy composite surfaces machined by abrasive water jet machining, Journal of Composite Materials, SAGE, 1-16, 2018
02	Vikas Sisodia and Shailendra Kumar, Influence of process parameters on surface roughness in single point incremental forming using dummy sheet, IOP Conf. series: Material Science & Engineering, 361, 2018
03	Rahul Jagtap and Shailendra Kumar, Optimisation and modelling of thinning and geometric accuracy in incremental sheet forming combined with stretch forming, Int. Journal of Materials Engineering Innovation, Vol. 10 (1), Inderscience, 2-19, 2019
04	Shailesh Pandya and Jyoti Menghani, A preliminary investigation on microstructure and mechanical properties of dissimilar Al to Cu friction stir welds prepared using silver interlayer, Metallurgical and Materials Engineering, published by Association of Metallurgical Engineers, Serbia, 2018, Vol 24 (1), Page 45-57, (Emerging SCI).
05	Shailesh N. Pandya and Jyoti Menghani,Optimum heat source position offset in welding of dissimilar Al-Cu metals using a theoretical approach, Materials Today: Proceedings, Elsevier, 2018, 5 (13-3), Page 26974-26980 (Scopus)
06	R. V. Rao and A. Saroj (2018).Constrained economic optimization of shell-and-tube heat exchangers using a self-adaptive multi-population elitist-Jaya algorithm, ASME Journal of Thermal Science and Engineering Applications, 10 (4), 041001, 1-12.
07	R. V. Rao, A. Saroj, P. Oclon, J. Taler and D. Taler (2018). Single- and Multi-Objective Design Optimization of Plate-Fin Heat Exchangers Using Jaya Algorithm, Heat Transfer Engineering, 39 (13-14), 1201-1216.
08	P. Oclon, P. Cisek, M. Rerak, D. Taler, R. V. Rao, A. Vallati and M. Pilarczyk(2018). Thermal performance optimization of the underground power cable system by using a modified Jaya

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	algorithm, International Journal of Thermal Sciences, 123, 162-180.
09	R. V. Rao and G. G. Waghmare (2018). Optimum static balancing of a robot manipulator using TLBO algorithm, Advances in Robotics Research, 2 (1), 13-31.
10	R. V. Rao and H. S. Keesari (2018). Multi-team perturbation guiding Jaya algorithm for wind farm layout, Applied Soft Computing, 71, 800-815.
11	R. V. Rao, A. Saroj, P. Oclon, J. Taler and R. J. Lakshmi (2018). A posteriori multi-objective self-adaptive multi-population jaya algorithm for optimization of thermal devices and cycles, IEEE Access, 7, 4113-4134.
12	R.V. Rao, D. P. Rai and J. Balic (2018). Multi-objective optimization of machining and micro-machining processes using non-dominated sorting teaching-learning-based optimization algorithm, Journal of Intelligent Manufacturing, 29 (8), 1715-1737.
13	R. V. Rao, A. Saroj and S. Bhattacharya (2018). Design optimization of heat pipe using elitism-based self-adaptive multi-population Jaya algorithm, Journal of Thermophysics and Heat Transfer, 32 (3), 702-712.
14	T. S. Rajesh and R. V. Rao (2018). Experimental Investigation and Parameter Optimization of Al ₂ O ₃ -40% TiO ₂ Atmospheric Plasma Spray Coating on Mild steel Substrate, International Journal of Materials Engineering Innovation, Accepted in 2018 (in press).
15	A. G. Kamble and R. V. Rao (2018). 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, Accepted in 2018 (in press).
16	R. V. Rao and H. S. Keesari (2019). Solar assisted heat engine systems: Multi-objective optimization and decision making, International Journal of Ambient Energy, https://doi.org/10.1080/01430750.2019.1636870 , 1-12.
17	R. V. Rao, D. P. Rai and J. Balic (2019). Multi-objective optimization of abrasive waterjet machining process using Jaya algorithm and PROMETHEE Method, Journal of Intelligent Manufacturing, 30 (5), 2101-2127.
18	M Singh, J Ramkumar, RV Rao, J Balic (2019). Experimental investigation and multi-objective optimization of micro-wire electrical discharge machining of a titanium alloy using Jaya algorithm, Advances in Production Engineering & Management, 14 (2), 251-263.
19	R.V. Rao and A. Saroj (2019). An elitism-based self-adaptive multi-population Jaya algorithm and its applications, Soft Computing, 23 (12), 4383-4406.
20	R. V. Rao, H.S. Keesari, P. Oclon and J. Taler (2019). Improved multi-objective Jaya optimization algorithm for a solar dish Stirling engine, Journal of Renewable and Sustainable Energy, 11(2), 025903
21	H. Migallón, A. J-M Morenilla, J. L. Sánchez-Romero, H. Rico and R. V. Rao (2019). Multi-population-based multi-level parallel enhanced Jaya algorithms, The Journal of Supercomputing, 75 (3), 1697-1716.
22	R. V. Rao, A. Saroj, P. Oclon and J. Taler (2019). Design optimization of heat exchangers with advanced optimization techniques: a review, Archives of Computational Methods in Engineering, https://doi.org/10.1007/s11831-019-09318-y , 1-32.
23	R. V. Rao, H. S. Keesari, P. Oclon and J. Taler (2019). An adaptive multi-team perturbation-guiding Jaya algorithm for optimization and its applications, Engineering With Computers, https://doi.org/10.1007/s00366-019-00706-3 , 1-20.
24	A. García-Monzó, H. Migallón, A. J-M Morenilla, J. L. Sánchez-Romero, H. Rico and R. V. Rao (2019). Efficient subpopulation based parallel TLBO optimization algorithms, Electronics, 8 (1), 1-21.
25	Mewada, B.G. and Raval, H.K., 2018. Prediction model development for material removal rate in band sawing using dimensional analysis approach. International Journal of Machining and Machinability of Materials, 20(2), pp.165-179.
26	Bhatt, R.J. and Raval, H.K., 2018. In situ investigations on forces and power consumption during flow forming process. Journal of Mechanical Science and Technology, 32(3), pp.1307-1315.

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
27	Bhatt, R.J. and Raval, H.K., 2018. Experimental Study on Flow Forming Process and its Numerical Validation. Materials Today: Proceedings, 5(2), pp.7230-7239.
28	Joshi, V.K., Desai, K.P. and Raval, H.K., 2018. Elliptical curve machining with variable feed rate for shape accuracy. Robotics and Computer-Integrated Manufacturing, 50, pp.37-49.
29	Bhatt, R.J. and Raval, H.K., 2018. Investigation on flow forming process using Taguchi-based grey relational analysis (GRA) through experiments and finite element analysis (FEA). Journal of the Brazilian Society of Mechanical Sciences and Engineering, 40(11), p.531.
30	Vipin Nair, A. D. Parekh, P. R. Tailor, Experimental investigation of thermophysical properties of R718 based nanofluids at low temperatures, Heat and Mass Transfer, Springer publication, 2019
31	T B Patel, A D Parekh, P R Tailor , Comparative Study and Development of New Correlation for Condensation Heat Transfer through Horizontal Mini Channel, International Journal of Mechanical and Production Engineering Research and Development, 1348-1354, 2018
32	T B Patel, A D Parekh, P R Tailor, Theoretical analysis of Two-Phase Frictional Pressure drop during condensation in horizontal Mini channel, International Journal of Mechanical Engineering and Technology, 61-71, 2018
33	T B Patel, A D Parekh, P R Tailor , Numerical Simulation of Condensation Heat Transfer and Pressure Drop in Horizontal Single Port Circular Mini Channel Using New HFO Refrigerants, Jour of Adv. Research in Dynamical & Control Systems, 199-209, 2018
34	Bandapalli. C, Singh K. K. Sutaria B. M. Bhatt D. V., Experimental Investigation of Surface Roughness In High Speed Micro End Milling of Near Alpha Titanium Alloys, International journal of precision technology, Print ISSN: 1755-2060 Online ISSN: 1755-2079, https://doi.org/10.1504/IJPTECH.2017.090764 , 2018
35	Bandapalli. C, Singh K. K. Sutaria B. M. Bhatt D. V., Experimental Investigation of Top Burr Formation in High-Speed Micro-End Milling of Titanium Alloy, Machining Science and Technology, DOI: 10.1080/10910344.2018.1449213, 2018
36	Dave Hiren R., Sutaria B. M., Patel Brijesh, Effect of pilot quantity on combustion and emission characteristics of a single-cylinder diesel engine under fixed dwell condition: experimental and numerical study, Clean Technologies and Environmental Policy, https://doi.org/10.1007/s10098-019-01680-6 , 2019
37	More, S. R., Bhatt, D. V., & Menghani, J.V Failure analysis of coal bottom ash slurry pipeline in thermal power plant. Engineering Failure Analysis, Elsevier 90 2018 489-496
38	Choudhary, L., Chhotani, P., & Menghani, J.V. Study on Wear Behaviour on Hardfacing Alloy Transactions of the Indian Institute of Metals ,Springer,12 2019,1-11
39	M. Lalwala and J. Menghani Comparative Analysis of Metal Inert Gas Welding, Braze Welding and Friction Stir Welding for AA5083 Aluminium Alloy, Materials Focus ASP Vol. 7, pp. 1–6, 2018
40	Sudhanshu Kumar, Dave H. K., Desai K. P., (article in press), Development of a model to compensate overcut during Electro Discharge Boring process International Journal of Manufacturing Research
41	Dave H.K., Patadiya N.H., Prajapati A.R., Rajpurohit S.R., (article in press), Effect of infill pattern and infill density at varying part orientation on tensile properties of FDM printed PLA part, Proceeding of the Institution of Mechanical Engineering, Part C: Journal of Mechanical Engineering Science
42	Dave H. K., Rajpurohit S. R., Patadiya N. H., Dave S. J., Sharma K. S., Thambad S. S., Srinivas V.P. and Sheth K. V., (2019) Compressive Strength Of PLA based Scaffolds: Effect of Layer Height, Infill Density and Print Speed, International Journal of Modern Manufacturing Technologies. XI(1), pp.21-27
43	Rajpurohit S. R., Dave H. K., (2019), Analysis of tensile strength of a fused filament fabricated PLA part using an open-source 3D printer, International Journal of Advanced Manufacturing Technology, 101 (5-8), pp. 1525-1536

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
44	Rajpurohit S. R., Dave H. K., (2018), Flexural strength of fused filament fabricated (FFF) PLA parts on an open-source 3D printer, Advances in Manufacturing, 6(4), pp. 430-441.
45	Rajpurohit S. R., Dave H. K., (2018), Effect of process parameters on tensile strength of FDM printed PLA part, Rapid Prototyping Journal, 24(8), pp. 1317-1324.
46	Mathai V. J., Dave H. K., Desai K. P., Characterization and modeling of Tool Electrode Wear during Planetary EDM of Titanium Grade 5 alloy, International Journal of Manufacturing Technology and Management
47	Rahul K, Lal A., B. N. Singh, Jeeoot Singh (2019) New transverse shear deformation theory for bending analysis of FGM plate under patch load, Composite structure, 208: 91-100.
48	Rahul K, Lal A., B. N. Singh, Jeeoot Singh (2019) Fracture response of porous FGM plate under patch load, ACTA Mechanical, 0:00.
49	Lal A., Markad K. (2019) Stochastic mixed mode stress intensity factor of center cracks FGMs plates using XFEM, International journal of computational materials science and engineering, 1950009. DOI: 10.1142/S204768411950009X
50	Lal A., Jain K. (2019) Hygro-thermally induced stress intensity factor of an edge crack piezo laminated composite plate, Multidiscipline Modeling in Materials and Structures, Vol. ahead-of-print No. ahead-of-print. https://doi.org/10.1108/MMMS-10-2018-0167 .
51	Lal A., Rahul K. (2019) Finite element based stochastic nonlinear progressive failure response of piezo-laminated composite plate with elliptical cutouts, International journal of applied mechanics (IJAM), 00:00.
52	Lal A., Markad K. (2018) Deflection and stress behaviour of Multi walled carbon nanotube reinforced laminated composite beams, Computers and Concrete, 22-6.
53	Khatri K., Lal A. (2018) Stochastic FEM based fracture behaviour and crack growth analysis of a plate with hole emanating crack under biaxial loading, Theor Appl Fract Mech, 96: 1-22.
54	Chauhan S., Lal A. (2018) Geometrical nonlinear bending characteristics of SWCNT/RC doubly curved shell panels, Advances in aircraft and spacecraft Science, 5: 21-49.
55	D. R. Lathiya, K. C. Maheria, D. V. Bhatt, Sulfated fly-ash catalyzed biodiesel production from maize acid oil feedstock: a comparative study of taguchi and box-behnken design, Chemistry Select, Vol. 4 pp. 4392-4397, 2019
56	D. R. Lathiya, K. C. Maheria, D. V. Bhatt, Mesoporous SBA-15-Pr-SO ₃ H catalysed biodiesel production from maize acid oil, Journal of Scientific & Industrial Research, Vol. 78, pp. 106-110, 2019.
57	H K Trivedi, D V Bhatt, Effect of lubricants on the friction of cylinder liner and piston ring materials in a reciprocating bench test, FME Transaction, Vol. 47, pp. 23-28, 2019
58	D. R. Lathiya, K. C. Maheria, D. V. Bhatt, Synthesis of sulfonated carbon catalyst from waste orange peel for cost effective biodiesel production, Bioresource Technology Reports, Vol.2, pp. 69-76, 2018.
59	K. M. Joshi, Dr. D. V. Bhatt, A Modified TPM Framework for Indian SMEs, International Journal of Advanced Research in Engineering and Technology (IJARET) ISSN: 0976-6499, Vol. 9 No. 6, pp. 1-14, 2018.
60	K. M. Joshi, Dr. D. V. Bhatt, Total Productive Maintenance in Indian SMEs: Capability Review, Journal of Production Research & Management ISSN (OL): 2249-4766 Print: 2347-9930, Vol. 8 No. 1, pp. 37-52, 2018.
61	K. M. Joshi, Dr. D. V. Bhatt, Maintenance management strategy (MMS): Framework for Indian SMEs, International Journal of Advanced Research in Engineering and Technology – IJARET, ISSN (OL): 09766480, Vol.9 No. 6, pp. 17-28, 2018.
62	H K Trivedi, D V Bhatt, An experimental investigation on friction and wear test parameters of cylinder liner and piston ring pair using Taguchi technique, Industrial lubrication and tribology, Vol. 70 No. 9 pp. 1721-1728, 2018.
63	Shah, H.G. and Kant, R., 2018. Knowledge Management Enablers: Metadata Analysis for KM Implementation. Journal of Information & Knowledge Management, 17(04), p.1850036.

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
64	Raval, S.J., Kant, R. and Shankar, R., 2018. Lean Six Sigma implementation: modelling the interaction among the enablers. <i>Production Planning & Control</i> , 29(12), pp.1010-1029.
65	Raval, S.J., Kant, R. and Shankar, R., 2018. Revealing research trends and themes in Lean Six Sigma: from 2000 to 2016. <i>International Journal of Lean Six Sigma</i> , 9(3), pp.399-443.
66	Malviya, R.K., Kant, R. and Gupta, A.D., 2018. Evaluation and selection of sustainable strategy for green supply chain management implementation. <i>Business Strategy and the Environment</i> , 27(4), pp.475-502.
67	Dalvi, M.V. and Kant, R., 2018. Modelling supplier development enablers: an integrated ISM–FMICMAC approach. <i>International Journal of Management Science and Engineering Management</i> , 13(2), pp.75-83.
68	Dalvi, M.V. and Kant, R., 2018. Effect of supplier development activities on performance outcomes: an empirical study. <i>Benchmarking: An International Journal</i> , 25(2), pp.489-516.
69	Bhosale, V.A., Kant, R. and Shankar, R., 2018. Investigating the impact of knowledge flow enablers on SC performance in Indian manufacturing organizations. <i>Benchmarking: An International Journal</i> , 25(2), pp.426-449.
70	Malviya, R.K. and Kant, R., 2018. Prioritising the solutions to overcome the barriers of green supply chain management implementation: a hybrid fuzzy AHP-VIKOR framework approach. <i>Journal of Decision Systems</i> , 27(4), pp.275-320.
71	Prajapati, H., Kant, R. and Gorane, S., 2018. Impact study of supply chain practices on organisational performance for Indian chemical industries. <i>International Journal of Logistics Systems and Management</i> , 31(1), pp.20-38.
72	Shah, H.G. and Kant, R., 2018. Identification of critical knowledge management enablers for implementation of KM in manufacturing organisations. <i>International Journal of Business Excellence</i> , 14(3), pp.285-318.
73	Jitendra Chaudhary, S. A. Channiwal, Heat Transfer Study on Liner Wall of Heat Recirculating Combustor, <i>Journal of The Institution of Engineers (India): Series C</i> , pp. 1-8, 2019, springer.
74	Ashish Doshi, Salim Channiwal, Punit Singh, Influence of Nonflow Zone (Back Cavity) Geometry on the Performance of Pumps as Turbines, <i>Journal of Fluids Engineering</i> , Vol. 140 No. 12, 2018.
75	SB Dikshit, DB Kulshreshtha, SA Channiwal, Numerical Analysis and Empirical Correlations to Predict SMD of Pressure Swirl Atomizer for Small Scale Gas Turbine Combustion Chamber, <i>International Journal of Applied Engineering Research</i> , Vol. 13, pp. 4531-4537, 2018.
76	Samip P Shah, S. A. Channiwal, D. B. Kulshreshtha and G.C. Chaudhari, Design and Numerical Simulation and Experimental Investigation of Radial Inflow Micro Gas Turbine, <i>Journal of Applied Fluid Mechanics</i> , Vol. 12, Paper Id: 29782.
77	Arif Varsi, A A Shaikh , Developing an algorithm for predicting depth as well as number of passes during CO ₂ laser machining on thermoplastic material, <i>Journal of Laser Applications</i> , vol 30, 2018, PP 04200719
78	Alpesh Makwana, A.A.Shaikh, , A.K.Bakare, Chitturi Saikrishna, Investigation of the patch hybridization effect on the composite patch repair of a cracked aluminum plate: A pragmatic approach <i>Mechanics of Advanced Materials and Structures</i> , Taylor and Francis, 2018 PP 1-11
79	A H Makwana, A A Shaikh, Towards Hybridization of Composite Patch in Repair of Cracked Aluminum Panel: Numerical and Experimental Study" <i>International Journal of Structural Integrity</i> IJSI-03-2019-0015 April 2019
80	Alpesh Makwana, A.A.Shaikh, A.K.Bakare, Chitturi Saikrishna, 3D Numerical Investigation of Al2024-T3 Plate Repaired with Asymmetric and Symmetric Composite Patch, <i>Materials Today Proceedings of Elsevier Publication</i> , 2018, PP 23638–23647
81	A H Makwana, A A Shaikh, The role of patch hybridization on tensile, <i>Journal of Adhesion</i> 2019
82	Parthiv B. Rana; Jigar L. Patel; D. I. Lalwani, Parametric optimization of turning process using

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	evolutionary optimization techniques-A review (2000-2016), Advances in Intelligent Systems and Computing, Springer Nature Singapore Pte Ltd., Vol. 817, p. 165-180, Oct. 2018.
83	Jigar L. Patel; Parthiv B. Rana; D. I. Lalwani, Optimization of mechanical design problems using advanced optimization technique, Materials Science and Engineering, IOP Conf. Series, Vol. 455 (1), p. 1-5, Dec. 2018.
84	K. B. Rathod; Devdas. I. Lalwani, Force modeling in orthogonal cutting considering flank wear effect, Journal of The Institution of Engineers (India): Series C, Springer, Vol. 99 (6), p. 673-679, Dec. 2018.
85	Chetan A. Somani; D. I. Lalwani, Experimental investigation of gas metal arc welding (GMAW) process using developed articulator, Materials Science and Engineering, IOP Conf. Series, Vol. 455 (1), p. 1-7, Dec. 2018.
86	Parthiv B. Rana; Jigar L. Patel; D. I. Lalwani, Design-Parameters Optimization of a Deep-Groove Ball Bearing for Different Boundary Dimensions, Employing Amended Differential Evolution Algorithm, IFIP Advances in Information and Communication Technology, Springer Nature Switzerland AG 2019, Vol. 559, p. 213-222, May 2019.
87	Parag Rajpara, Rupesh Shah and J. Banerjee, Effect of hydrogen addition on combustion and emission characteristics of methane fueled upward swirl CAN combustor, International Journal of Hydrogen Energy, 43(86), 2018, 17505-17519.
88	Vipul Patel and Rupesh Shah, Effect of swirl and number of swirler vanes on combustion characteristics of methane inverse diffusion flame, Journal of Mechanical Science and Technology, 33(4), 2019, 1947-1958.
89	Mahendrakumar B Maisuria, Devendraprasad M sonar, Manish K Rathod, Manharlal K Bhatt., Experimental and Analytical Investigation on an Automobile Radiator with CuO/EG-water based Nanofluid as Coolant Heat Transfer—Asian Research Wiley publication
90	Chetankumar Anghan, Sagar Dave, Shaswat Saincher and Jyotirmay Banerjee, Direct numerical simulation of transitional and turbulent round jets: Evolution of vertical structures, Physics of Fluids, Vol. 31, 065105-1 to 065105-24, 2019.
91	Digant S. Mehta, Bhavesh Vaghela, Manish K. Rathod and Jyotirmay Banerjee, Heat transfer intensification in horizontal shell and tube latent heat storage unit, Numerical Heat Transfer, Part A: Applications, Vol. 75, 489-508, 2019.
92	Digant S. Mehta, Karan Solanki, Manish K. Rathod and Jyotirmay Banerjee, Influence of orientation on thermal performance of shell and tube latent heat storage unit, Applied Thermal Engineering, Vol. 157, 113719-1 to 113719-15, 2019.
93	Digant S. Mehta, Karan Solanki, Manish K. Rathod and Jyotirmay Banerjee, Thermal performance of shell and tube latent heat storage unit: Comparative assessment of horizontal and vertical orientation, Journal of Energy Storage, Vol. 23, pp. 344-362, 2019.
94	Sagar Dave, Chetankumar Anghan, Shashwat Saincher, Jyotirmay Banerjee, A high-resolution Navier–Stokes solver for direct numerical simulation of free shear flow, Numerical Heat Transfer, Vol. 74, pp. 840-860, 2018.
95	Parag Rajpara, Ankit Dekhatawala, Rupesh Shah and Jyotirmay Banerjee, Influence of fuel injection method on performance of upward swirl can-type combustor, Applied Thermal Engineering, Vol. 130, pp. 319-330, 2018.
96	Parag Rajpara, Ankit Dekhatawala, Rupesh Shah and Jyotirmay Banerjee, Thermal and emission characteristics of reverse air flow CAN combustor, International Journal of Thermal Sciences, Vol. 128, pp. 175-183, 2018.
97	H. K. Zinjala and Jyotirmay Banerjee, A consistent balanced force refined moment-of-fluid method for surface tension dominant two-phase flows, Numerical Heat Transfer, Part B: Fundamentals, Vol. 74, pp. 432-449, 2018.
98	Parag Rajpara, Rupesh Shah and Jyotirmay Banerjee, Effect of hydrogen addition on combustion and emission characteristics of methane fuelled upward swirl can combustor, International Journal of Hydrogen Energy, Vol. 43, 17505-17519, 2018.
99	Patel A & Tushar N. Desai, A systematic review and meta-analysis of recent development in

MECHANICAL ENGINEERING DEPARTMENT	
No.	<i>/* Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
	Sustainable Supply Chain Management, International Journal of Logistics Research and Applications, 349-370, 2019.
100	Javed Malek & Tushar N. Desai, Prioritization of sustainable manufacturing barriers using Best Worst Method, Journal of Cleaner Production, 589-600, 2019.
101	Varun Joshi, Manish K Rathod , Thermal transport augmentation in latent heat thermal energy storage system by partially filled metal foam: A novel configuration, Journal of Energy Storage, Elsevier, 22, pp. 270-282, 2019.
102	Varun Joshi, Manish K Rathod , Constructal enhancement of thermal transport in metal foam-PCM composite-assisted latent heat thermal energy storage system, Numerical Heat Transfer, Part A: Applications, Taylor & Francis, 75 (6), pp. 413-433, 2019.
103	Jay R Patel, Manish K Rathod , Thermal performance enhancement of melting and solidification process of phase-change material in triplex tube heat exchanger using longitudinal fins, Heat Transfer—Asian Research, Wiley, 48, pp. 483-501, 2019.

(ii) Publication of Books :

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	K. Suresh Kumar, TJ Park, JR Koduru , Chapter 18, Metal nanoparticles-based colorimetric methods for drug analyses, Nanoarchitectonics in Biomedicine 2019, Pages 619-641, Edited by Alexandru Mihai Grumezescu
02	K. Suresh Kumar, JR Bhamore, JR Koduru, TJ Park , Chapter 11 - Carbon dots as carriers for the development of controlled drug and gene delivery systems, Biomedical Applications of Nanoparticles, 2019, Pages 295-317, Edited by Alexandru Mihai Grumezescu
03	K. Suresh Kumar, TJ Park, JV Rohit, JR Koduru , Antimicrobial activity of silver nanoparticles, Nanoparticles in Pharmacotherapy, 461-484, 2019, Edited by Alexandru Mihai Grumezescu
04	Utkarsh U. More, Omar A. El Seoud, and Naved I. Malek , Dual Role Played by Ionic Liquids to Modulate the Interfacial and Micellar Properties of the Single Chain Cationic Surfactants in Aqueous Solution, Monograph Series, Physical Chemistry for Engineering and Applied Sciences, Apple Academic Press, CRC Press, Taylor and Francis, ISBN: 9781771886321
05	Zubin R. Master, Zuber S. Vaid, and Naved I. Malek , Interaction of Tertiary Amine with Aryl and Alkylethers: Experimental and Theoretical Approach, Innovations in Physical Chemistry: Monograph Series, Physical Chemistry for Engineering and Applied Sciences, Apple Academic Press, CRC Press, Taylor and Francis, ISBN: 9781771886321
06	MuzammilKuddushi, Monika Jain, Naved I Malek , Industrial Application Of Ionic Liquids In Paint Industry, "Industrial Applications of Green Solvents" Published by Materials Research Forum LLC. The USA.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Rashik Shah, Jayesh M. Dhodiya, Fuzzy preference based mathematical model for faculty course timeslot assignment for remaining courses, 23 rd ISTE State annual faculty Convention 2018 with National conference on Role of Innovation and Human values in Engineering and Technology" Jointly organized by ISTE and SSASIT, Surat ISBN:978-93-5346-457-8
02	R. L. Das and R. K. Jana, Some studies on EPQ model of substitutable products under Imprecise Environment, Chapter 18, in: N. H. Shah and M. Mittal (Eds.), Optimization and Inventory Management, Springer Nature, Singapore.

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	Jitesh T. Chavda, Chandresh H. Solanki, Atul K. Desai, Lateral Response of Contiguous Pile Wall Subjected to Staged Excavation: Physical and Numerical Investigations, Indian Geotech J, Springer, February 2019.

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	NarayanaRaju, ShriniwasArkatkar, Gaurang Joshi , Methodological Framework for Modeling Following Behavior of Vehicles Under Indian Traffic Scenario.(Lecture Notes in Intelligent Transportation and Infrastructure), Springer,2019

02	NandanDawda, Gaurang Joshi , ShrinivasArkatkar, N. Vasudevan, Multimodal of Lateral Transport System: A Case Study of Successful Cities Worldwide.(Lecture Notes in Intelligent Transportation and Infrastructure), Springer,2019
03	(Book Chapter) Meera V and Ahammed M M (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, https://doi.org/10.1007/978-3-319-74494-0_15
04	Narayana Raju, Shrinivas Arkatkar, Gaurang Joshi,Methodological Framework for Modeling Following Behavior of Vehicles Under Indian Traffic Scenario (Lecture Notes in Intelligent Transportation and Infrastructure),Springer,2019
05	Chintan Advani, Smit Thakkar, Sachin Shah, Shrinivas Arkatkar, Ashish Bhaskar,Exploring Performance of Intercity Expressway Using ITS-Based Technology(Lecture Notes in Intelligent Transportation and Infrastructure), Springer,2019
06	Nishant Pawar, Ninad Gore, Shrinivas Arkatkar,Influence of Driving Environment on Safety at Un-signalized T-intersection Under Mixed Traffic Conditions(Lecture Notes in Intelligent Transportation and Infrastructure), Springer,2019
07	Nandan Dawda, Gaurang Joshi, Shrinivas Arkatkar, N. Vasudevan,Multimodal of Lateral Transport System: A Case Study of Successful Cities Worldwide(Lecture Notes in Intelligent Transportation and Infrastructure), Springer,2019
08	Shrinivas Arkatkar,Sudeshna Mitra,Tom Mathew, Global Practices on Road Traffic Signal Control: Country's Report India ,Elsevier,2019
09	Namrata Jariwala and Hemali Tailor " Fuzzy rule Based system approach for pipe condition Assessment : Case of Surat CityBook Name: Application of soft computing techniques in Civil Engineering, viva books publishers, ISBN:978-87692-99-2, pp 41-62 (2018)

CHEMICAL ENGINEERING DEPARTMENT

No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	Book Chapter: Ambika Arkatkar, Arvind Kumar Mungray , Preeti Sharma. Effect of Microbial Growth on Internal Resistances in MFC: A Case Study Innovations in Infrastructure, pp 469-479, Sept, 2018, Springer,

COMPUTER ENGINEERING DEPARTMENT

No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	J. Dhanani, R. G. Mehta, D. P. Rana and B. Tidke, Book Chapter in Lecture Note Series of Smart Innovations in Communication and Computational Sciences, ISBN 978-981-13-2413-0, ISBN 978-981-13-2414-7 (eBook), ISSN 2194-5357, ISSN 2194-5365 (electronic), Springer, Singapore, 20 November 2018. https://doi.org/10.1007/978-981-13-2414-7
02	J. Dhanani, R. G. Mehta, D. P. Rana and B. Tidke, Book Chapter in Lecture Note Series of Smart Innovations in Communication and Computational Sciences, ISBN 978-981-13-2413-0, ISBN 978-981-13-2414-7 (eBook), ISSN 2194-5357, ISSN 2194-5365 (electronic), Springer, Singapore, 20 November 2018. https://doi.org/10.1007/978-981-13-2414-7

ELECTRONICS ENGINEERING DEPARTMENT

No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/</i>
01	Dr. K P Upla, "ISRGAN: Improved super resolution using generative adversarial networks", Springer, Book Name: Advance in Computer Vision book.
02	Ketki C. Pathak, Dr. J. N. Sarvaiya, Dr. A.D.Darji, "Adaptive Prediction methods for medical image/video compression for Telemedicine Application," chapter submitted and accepted to "Histopathological Image Analysis in Medical Decision Making" for IGI Global publication 2018 .(Book Chapter)(Scopus Indexed)

ELECTRICAL ENGINEERING DEPARTMENT

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

MECHANICAL ENGINEERING DEPARTMENT

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

01	Sachin Salunkhe, Soham Teraiya, H. M. A. Hussein and Shailendra Kumar, Smart System for Feature Recognition of Sheet Metal Parts: A Review, In: Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018), Lecture Notes in Mechanical Engineering, Springer Nature, Singapore, 2019.
02	Rahul Jagtap and Shailendra Kumar, Incremental Sheet Forming: An Experimental Study on the Geometric Accuracy of Formed Parts, In: Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018), Lecture Notes in Mechanical Engineering, Springer Nature, Singapore, 2019.
03	Ravi Kumar Gupta, H. M.A. Hussein, S.S.Salunkhe, Mukur Gupta, S.Kumar, Step toward computer-aided integration of sheet metal application, In: Innovative Design, Analysis and Development Practices in Aerospace and Automotive Engineering (I-DAD 2018), Lecture Notes in Mechanical Engineering, Springer Nature, Singapore, 2019.
04	R. V. Rao (2018). Jaya: An Advanced Optimization Algorithm and its Engineering Applications (https://www.springer.com/gp/book/9783319789217)
05	Rajpurohit, S.R., Dave, H.K. Optimization and Prediction of Tensile Strength in FDM based 3D Printing using ANFIS. In: Gupta K., Gupta M.K. (eds) Optimization of Manufacturing Processes, Springer, (pp. 111-128). Cham, Switzerland. eISBN:978-3- 030-19638-7
06	Mathai V.J., Dave H.K. (2019), Micro-EDM with Translational Tool Motion: The Concept of Micro-Electro-Discharge-Slotting. In: Kibria G., Jahan M., Bhattacharyya B. (eds) Micro-electrical Discharge Machining Processes. Materials Forming, Machining and Tribology. Springer, Singapore. eISBN:978-981-13-3074-2
07	Achchhe Lal, Chaudhari, Thermo-mechanically induced nonlinear analysis of CNT composite beam, Lap Lambert academic publishing, 2018. ISBN/ISSN: 978-613-6-66292-3
08	M.Afzal bhat, A A Shaikh, Stress intensity factors for a plate with slant edge crack built with rapid manufacturing process, Chapter: 39, Innovative design, Analysis and development practices in aerospace and automotive engineering (I-DAD 2018), Pg 353-362 (2018), Springer
09	Manish K Rathod, book chapter named Thermal Stability of Phase Change Material in a book Phase Change Materials and Their Applications published by Intech Open, 2018.

(iii) Publication of National Journals:

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	D. R. Lathiya, D. V. Bhatt, K. C. Maheria, Mesoporous SBA-15-Pr- SO ₃ H catalysed biodiesel production from maize acid oil, J. Sci. Ind. Res., 78, 106–110, 2019.
02	Henilkumar Lankapati, Lalita Choudhary, Kalpana Maheria, Seasonal assessment of creeks' water quality located near Ankleshwar region of Gujarat, India, through water quality index, JoWPPR, 5, 31-53, 2018.
03	Suban K Sahoo, D. Sharma, A. Moirangthem, A. Basu, Ashok Kumar S K, U. D Patil, Fluoride selective chemosensor derived from Vitamin B ₆ cofactor pyridoxal and its application in living HeLa cells imaging, Indian J Chem A , 2018, 57A, 619-625.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Babita Kar and Urvashi Kaushal. "Negotiating Space, Identity and Individuality: A study of the Protagonists of the selected works of Manju Kapur" in Langlit: An international Peer reviewed open access journal Vol.5 Issue4 May 2019, pp-725-730.
02	Krupali Parekh and Urvashi Kaushal "A Review of the Literature from Bangladesh and Pakistan" in The Commonwealth Review Vol. XXVI No.1 (2018) pp- 105-120.
03	R.K. Singh, T.R. Singh and U. Kaushal, Review Article Note on the Crop Yield Forecasting Methods, Asian Journal of Agricultural Research, ISSN 1819-1894 DOI: 10.3923/ajar.2019, 1-5, CrossMark ISSN: 1819-1894, 2019
04	R. Roy and R. K. Jana, Geometric Properties of the τ -Wright Type Hypergeometric Function, accepted for publication in the Proceeding of Society for Special Functions and Their Applications (SSFA), India.

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

APPLIED MECHANICS DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Jitesh T. Chavda, Chandresh H. Solanki, Atul K. Desai, Lateral Response of Contiguous Pile Wall Subjected to Staged Excavation: Physical and Numerical Investigations, Indian Geotech J, Springer, February 2019.
02	Dr.B.Kondraivendhan, Experimental and Numerical Studies on the Behaviour of Broad-Gauge Railway Sleepers in Static Bending Condition Lecture notes in Civil Engineering (LNCE, Volume 25)
03	Dr.B.Kondraivendhan, "Influence of Metakaolin and Red Mud Blended Cement on Reinforcement Corrosion in Presence of Chloride and Sulfate Ions", Lecture notes in Civil Engineering (LNCE, Volume 25)

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Moondra Nandini, Jariwala Namrata, Christian R A, Narulkar Sandip (2019) "Treatment of kitchen wastewater through Phycoremediation" Journal of Indian water Works Association, Vol. L1, pp 23-27, January-March 2019.
02	Sharma N. S., Jariwala N. D. & Yadav K. D., Kitchen greywater treatment by using natural and artificial filter media, Indian Journal of Environmental Protection, 38(12), 2018, 975-982

CHEMICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/

NIL

COMPUTER ENGINEERING DEPARTMENT

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

ELECTRONICS ENGINEERING DEPARTMENT

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

ELECTRICAL ENGINEERING DEPARTMENT

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

MECHANICAL ENGINEERING DEPARTMENT

No.	/* Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Ajit Dhanawade, and Shailendra Kumar, Multi-performance optimization of abrasive water jet machining of carbon epoxy composite material, Indian Journal of Engineering & Materials Sciences, Vol. 25 (NISCAIR), 406-416, 2018
02	Shailesh N. Pandya and J. V. Menghani, "A parametric investigation on effects of friction stir welding process parameters on mechanical properties of Al6061-T6 to Cu dissimilar joints", Indian Journal of Engineering & Materials Sciences (IJEMS), published by NISCAIR, India, April 2018, Vol.25 (2), Page 131-146, (SCIE).
03	Shailesh N. Pandya and Jyoti V. Menghani, "Developments of mathematical models for prediction of tensile properties of dissimilar AA6061-T6 to Cu welds prepared by friction stir welding process using Zn interlayer", Sadhana, published by Indian Academy of Sciences - Springer, India, October 2018, Vol 43 (10), Article ID: 168, Page 1-18, (SCIE).
04	Hitesh Mhatre, Dr. H. T. Thorat & Dr. Tushar N. Desai, Work Content Reduction of Chassis Assembly Line Using MOST- A Case Study, Industrial Engineering Journal- Indian Institution of Industrial Engineering, 2019.

(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	Ashish J. Raychura, Smita Jauhari, Bharat Kumar Z. Dholakiya, Mahua Oil Polyesteramides as a Precursor for the Development of wood protective Polyurethane coatings: A Renewable Approach, 23rd International Conference of International Academy of Physical Science, Nepal Academy of Science and Technology, Kathmandu, Nepal, 16th to 18th November, 2018, CHEM2, Abstract-49.
02	S.M. Waysal, Dr. Y. D. Patil, Dr. B. Z. Dholakiya, Utilization of PET resin as cement substitute, 11th Structural Engineering Convention – 2018, Jadavpur University, Kolkata, India, December 19 - 21, 2018, SEC18, CT13.
03	S.M. Waysal, Dr. Y. D. Patil, Dr. B. Z. Dholakiya, Recyclability of PET waste in sustainable

APPLIED CHEMISTRY DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	mortar production, UKERI concrete Congress at NIT Jalandhar, 5 th to 8 th March 2019.
04	Bharat Kumar Z. Dholakiya, A greener approach: Preparation of biodiesel from waste frying oil using mesoporous MTSA-Si, International Conference on Natural Science and Environment (ICNSE), Montreal, Canada, 29-30 May 2018, II-NSEMONT-29059-12944.
05	K. Suresh Kumar, Jigna R. Bhamore, Fluorescence "turnoff" detection of deltamethrin and glutathione using amylase protected gold nanoclusters as a probe, 5th International Conference on Nanoscience and Nanotechnology, SRM University, (ICONN 2019), Chennai, 28 th January, 2019
06	Dhara Morawala, Dharmesh Lathiya, Kalpana Maheria "Applied Catalysis and Chemical Engineering-2019" ACC-2019, entitled "TTAB mediated synthesis of Meso-H-BEA and its application in the production of n-butyl levulinate" held on 8 th – 10 th April 2019, Crowne Plaza Dubai – Deira, Salahuddin Rd - Dubai, UAE (Oral presentation)
07	Dharmesh R. Lathiya, Dhananjay V. Bhatt, Kalpana C. Maheria, "Fly-ash based solid acid catalyst: synthesis, characterization and application in biofuel production", at Eigen Scientific Group, Applied Catalysis & Chemical Engineering (ACC-2019), 8-10 th April 2019, held at Crowne Plaza Dubai – Deira, Salahuddin Road – Dubai, UAE.(Oral presentation)
08	Jenifer J. Gabla, Sunil R. Mistry, Kalpana C. Maheria, "A novel synthesis of micro-meso zeolite H-BEA / H-ZSM-5 composite material and its application in green synthesis of biologically active 2, 4, 5-triphenyl-(1H)-imidazole scaffolds through Lophine MCRs", at Indian Association for Canadian Studies sponsored 32 nd International Conference on Indo - Canadian Multidisciplinary Research: Trends and Prospects, 28 th - 29 th December 2018, at Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad, Gujarat, India.(Oral presentation)
09	Jenifer J. Gabla, Sunil R. Mistry, Kalpana C. Maheria, "A study on dealuminated zeolite BEA catalyzed the green synthesis of biological active imidazole scaffolds through MCRs", at 14 th EuroSciCon Conference on Chemistry Research, 6 th - 7 th December 2018, at Hyatt Place, Amsterdam, Netherlands.(Oral presentation)
10	Nehal S. Patel, Jenifer J. Gabla, Kalpana C. Maheria, "Green synthesis of β -amino carbonyl compounds using micro-mesoporous zeolite composite via Mannich MCRs", at XXIX Interamerican Congress of Chemical Engineering Incorporating the 68 th Canadian Chemical Engineering Conference (CChE 2018), 28 th - 31 st October 2018, at Sheraton Centre, Toronto, Ontario, Canada.(Oral presentation)
11	Yachana Upadhyay, Suban K Sahoo, Developing new approaches using vitamin B6 cofactor conjugated nanoparticles for the optical detection of alkaline phosphatase activity in biological samples, International conference on 'Chemical and biological sciences in drug discovery-2019', Berhampur University, Odisha, 8-10 th March 2019.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
01	Jayesh M. Dhodiya, Anita Ravi Tailor, GA based Hybrid approach to solve fuzzy multi objective optimization model of multi-application based COTS selection problem, International conference on "Advanced Engineering Optimization Through Intelligent Technique, 03-05 August 2018, SVNIT, Surat, India.
02	Vandana , Jayesh Dhodiya, Fuzzy programming technique for solving uncertain multi objective multi item solid transportation problem with linear membership function, International conference on "Advanced Engineering Optimization Through Intelligent Technique, 03-05 August 2018, SVNIT, Surat, India.
03	Presented a paper with Krupa Sophia J, "Exploring the impact of migration in M.G. Vassanji's The Gunny Sack".in International conference on "English Literature and Education", St. Charles College of Education, Madurai, TN 12 th Oct. 2018.
04	Presented a paper, with Krupa Sophia J, "Evaluating Memory and identity in M.G. Vassanji's The Gunny Sack" with Krupa Sophia J. in International conference on "English Language, Literature and Linguistics" at Mangayarkarasi College of Arts and Science for Women,

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
	Madurai, T.N. on 13th Oct. 2018.
05	Presented a paper, "Integrating Employability Skills in Engineering Education in 2nd International Conference On Growing Trends In Practical And Academic Research at Dubai on 16-17 Nov. 2018.
06	Presented a paper, "Struggling with Precarity: Reading Short Stories of Neil Bissoondath" in A three day International Seminar on 'Challenging Precarity' organized by The School Of Liberal Arts And Human Science, Auro University, Surat 27-29 January 2019.
07	Twinkle Singh and R.K. Singh, Study on Non-linear partial differential equation and its applications, 2nd ICSTR Dubai – International Conference on Science & Technology Research, 26-27 December, 2018, Flora Grand Hotel, Near Al Rigga Metro Station, Deira, Dubai, United Arab Emirates, 26-27, 2018 (December)
08	Hemantkumar P. Bulsara and Pratiksinh Vaghela, Influence of Trust on Online Shopping Intention for Consumer Electronics: An application of Technology Acceptance Model, Proceeding of International Conference – OAKCOM 2018 on Innovative Practices in Business, 7-8 September, 2018, Oakbrook Business School, Gandhinagar
09	Hemantkumar P. Bulsara and Pratiksinh Vaghela, Understanding the role of trust in online shopping Intention: An Extension of Technology Acceptance Model, Proceeding of The 2019 Annual Conference of the Emerging Markets Conference Board on Driving Marketing Excellence through Experiences in Emerging Economies, 6 – 8 January, 2019, Institute of Management Technology, Ghaziabad
10	Hemantkumar P. Bulsara and Esha Pandya, Enhancing customer experience through mobile payments, Proceeding of The 2019 Annual Conference of the Emerging Markets Conference Board on Driving Marketing Excellence through Experiences in Emerging Economies, 6 – 8 January, 2019, Institute of Management Technology, Ghaziabad
11	R. K. Jana, "Geometric and Asymptotic properties of Extended Hypergeometric Functions" presented at International Conference on Special Functions & Applications (ICSFA-2018), held at Amal Jyothi Engineering College, Kanjirapalli, Kottayam, Kerala during November 22-24, 2018.
12	R. K. Jana, "A Study on Geometrical Significance of Fractional Calculus" published in the proceeding of 84th Annual Conference of Indian Mathematical Society: An International Meet, held at Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir during November 27-30, 2018.
13	D. J. Bhatt, V. N. Mishra and R. K. Jana, "Approximation by Kantorovich type operators based on Beta function", published in the proceeding of 84th Annual Conference of Indian Mathematical Society: An International Meet, held at Shri Mata Vaishno Devi University, Katra, Jammu and Kashmir during November 27-30, 2018. (Paper presented by D. J. Bhatt)
14	H. S. Lekhadiya and R. K. Jana, "Sensitivity of the WRF model to the parameterized Physical Process", published in the proceeding of 2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019) held at Haldia Institute of Technology, West Bengal, during March 07-09, 2019. (Paper presented by R. K. Jana)
15	R. L. Das, H. Solanki and R. K. Jana, "An investigation of involving supplier and manufacturer based inventory models under uncertain fuzzy constraints", published in the proceeding of 2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019) held at Haldia Institute of Technology, during March 07-09, 2019. (Paper presented by H. Solanki)
16	R. Roy and R. K. Jana, "Geometric Properties of the Extended Gauss Hypergeometric Function", published in the proceeding of International Conference on Differential Equations and Control Problems: Modeling, Analysis and Computations (ICDECP19) held at IIT, Mandi during June 17-19, 2019. (Paper presented by R. Roy)
17	R. K. Jana, "Generalizations of Sheffer polynomials and their q-analogue", published in the proceeding of International Conference on Number Theory and Graph Theory (ICNG 2019) held at University of Mysore during June 27-29, 2019.

APPLIED PHYSICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
01	P. H. Jariwala, Y. A. Sonvane, Sanjeev K. Gupta, and P. B. Thakor, Diameter dependency of characteristics of ultrathin Si nanowires, AIP Conference Proceedings 2100, 020143
02	N. V. Desai, I. A. Shaikh, K. G. Raval, D. V. Shah, Synthesis, structural and optical properties of PVP coated transition metal doped ZnS nanoparticles AIP Conference Proceedings, 30149, 2018
03	Vishva Jain, Dimple Shah, K. D. Patel, Chetan Zankat Structural, compositional and optical properties of spin coated moO_3 thin film, AIP Proceedings, 30023, 2018

APPLIED MECHANICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/</i>
01	Mohit Mistry, Tejaswani Shukla, P. Venkateswalu, Shruti Shukla, Chandresh Solanki, Sanjay Kumar Shukla, A New Mixing Technique for Randomly Distributed Fibre-Reinforced Expansive Soil, EGRWSE, 2018 (NIT Jalandhar) Environmental Geotechnology, LNCE, Springer, Singapore
02	Anand V. Reddy, Solanki C. H, Shailendra Kumar, Krishna R. Reddy, Understanding Speciation and Leaching of Heavy Metals from a Polluted Site, Surat, Gujarat, EGRWSE, 2018 (NIT Jalandhar) Environmental Geotechnology, LNCE, Springer, Singapore
03	P. Venkateswarlu, E. P. Krishnaveni, D. Bishnoi, C. H. Solanki, S. K. Shukla, Enhancement of shearing strength of poorly graded sand by using modified waste rubber tyre fibers, EGRWSE, 2018 (NIT Jalandhar) Recycled Waste Materials, LNCE, Springer, Singapore
04	Tejaswani Shukla, Mohit Mistry, Chandresh Solanki, Sanjay Kumar Shukla, Shruti Shukla, Influence of randomly distributed waste tire fibres on swelling behaviour of expansive soils in Surat, Indian Geotechnical Conference, Bangalore, 13-15 December, 2018, Sringer
05	Mohit Mistry, Shruti Shukla, Chandresh Solanki, Sanjay Kumar Shukla, Effect of Discrete Reinforcement and Placement on Unconfined Compressive Strength of Clay Reinforced with Waste Fibre, TRACE, 2018(Noida) Advances in Sustainable Construction Materials and Geotechnical Engineering, 23-24 August, 2018
06	Venkateswarlu, P., Shukla, T., Mistry, M., Solanki, C.H. and Shukla, S.K., Compressive strength behavior of stratified layers of unreinforced and randomly distributed tire fiber-reinforced clayey soil., Second International Conference on Advances in Concrete, Structural and Geotechnical Engineering (BITS, Rajasthan)
07	Angadi, S., Hiravennavar, A., Desai, M. K., Solanki, C. H., and Dodagoudar, G. R., Development of Gutenberg-Richter Recurrence Relationship Using Earthquake Data, Green Buildings and Sustainable Engineering, Springer, Singapore
08	Ankit Sodha, Sandip A. Vasanwala, Devesh Soni, S. Kumar, "A comparative study of Seismic Response of Structure isolated with Triple Friction, Pendulum Bearing and Single Friction Pendulum Bearing under Different Hazard Level of Earthquake", National Conference on Advances in Structural Technologies, National Institute of Technology Silchar (CoAST-2019), Feb 1-3, 2019, page 688-699
09	Sodha A., Vasanwala S., Soni D., Kumar S., Kanan Thakkar, "Analytical Study of Triple Friction Pendulum Under a Different Hazard Level of Earthquakes", Advances in Structural Engineering and Rehabilitation, Amity University, Noida, Aug 23-24, 2018, Vol. 38, page 105-111.
10	Akshaykumar M. Bhoi, Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Properties of sustainable mortar with copper slag at varying cement content", COAST 2019, NIT Silchar
11	Aniket Shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Behaviour of profiled deck composite slab: state of art report", UKIERI CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
12	Aniket Shirgaonkar, Dr. Yogesh D. Patil, Dr.H. S. Patil, "Finite element analysis of shear connectors in profiled deck composite floor", COAST-2019, NIT Silchar

APPLIED MECHANICS DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page Nos., Year*/
13	Anand Zanwar, Dr. Yogesh D. Patil, "Utilization of glass powder as a cementitious material in mortar", UKIERI CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
14	Dipak Nathe, Dr. Y. D. Patil, "Assessment of residual strength of normal concrete at elevated temperatures after hot and normal water quenching" UKIERI CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
15	Satish M. Waysal, Yogesh D. Patil, Bharatkumar Z. Dholakiya, "Recyclability Of Pet Waste In Sustainable mortar Production", UKAIRI, CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
16	Aniket Shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Finite element analysis of profiled deck composite slab using ANSYS", TRACE 2018, Amity, Noida
17	Anand Zanwar, Dr. Yogesh D. Patil, "Enhancement of sustainable mortar by using fine waste glass powder", TRACE 2018, Amity, Noida
18	Dipak Nathe, Dr. Y. D. Patil, "Performance of normal concrete at elevated temperatures after air cooling", SEC 2018, Calcutta, December 19 - 21, 2018
19	Satish M. Waysal, Dr. Yogesh D. Patil, Dr. Bharatkumar Z. Dholakiya, "Utilization Of PET Resin As Cement Substitute", SEC 2018, Calcutta December 19 - 21, 2018
20	Satish M. Waysal, Dr. Yogesh D. Patil, Dr. Bharatkumar Z. Dholakiya, "Sustainable mortar production by utilizing post consumed PET waste and copper slag", COAST 2019

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
1	Priyank Sharma & P L Patel, Rainfall trends over the past century for tropical climatic region in western India, Proceedings of the 13 th International Conference on Hydroinformatics (HIC 2018) at Palermo, Italy during July 01-06, 2018. 1935-1944
2	Resmi S R, P L Patel & P V Timbadiya, Geomorphic effectiveness of peak flows in Upper and Middle Tapi rivers, India, Proceedings of the 21 st IAHR APD 2018 at Yogyakarta, Indonesia during September 2-5, 2018.81-87
3	Kachhwaha, V. & Patel P. L, Integrated hydrological and hydraulic model for prediction of inflows into Hathnur reservoir, <i>Proceedings of the 23rd HYDRO-2018 International</i> at National Institute of Technology, Patna
4	Choudhary, S. & Patel P. L, Development of hydraulic geometry equations for Middle Tapi River, India, <i>Proceedings of the 23rd HYDRO-2018 International</i> at National Institute of Technology, Patna
5	Resmi, S. R. Patel P. L. & Timbadiya, P. V, Linking of sediment yield pattern with rainfall and land-use land-cover changes within Burhanpur sub-catchment, India, <i>Proceedings of the 23rd HYDRO-2018 International</i> at National Institute of Technology, Patna
6	Sharma, P. J. Patel P. L. & Jothiprakash, V., Changes in monthly hydro-climatic indices for Middle Tapi Basin, India, <i>Proceedings of the 23rd HYDRO-2018 International</i> at National Institute of Technology, Patna
7	Laxmi Narayana, P. Timbadiya P. V. Patel P. L., Characterization of flow turbulence around bridge pier on rigid bed channel. <i>Proceedings of the 23rd HYDRO-2018 International</i> at National Institute of Technology, Patna
8	Vijendra kumar, and S. M. Yadav "Optimization of Water Releases from Ukai Reservoir using Jaya Algorithm" International Conference On Advanced Engineering Optimization Through Intelligent Techniques 03- 05 August 2018.
9	K.B. Patel and S. M. Yadav "1D Unsteady Hydraulic Modelling of Purna River Reach to assess urban flood using HEC-RAS" National Conference on Emerging Research Trends in Science and Technology, HJD Institute of Technical Education and Research, Kera, Kutch, Gujarat 27-29 September, 2018.
10	Vijendra kumar, and S. M. Yadav "Optimization of Water Allocation from Ukai Reservoir using Elitist TLBO" 23rd International Conference on Hydraulics, Water Resources and River Engineering, NIT Patna, India 19-21 December, 2018.
11	K.B. Patel and S.M. Yadav "Development of 1D Hydraulic Model to assess urban flood: A

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	case study of Purna River” 23rd International Conference on Hydraulics, Water Resources and River Engineering, NIT Patna, India 19-21 December, 2018.
12	Darshan Mehta and Sanjaykumar Yadav “Analysis of long term rainfall trends in Rajasthan, India” 23rd International Conference on Hydraulics, Water Resources and River Engineering, NIT Patna, India 19-21 December, 2018.
13	Yazad Jabbar and Sanjay Yadav “Prediction of reservoir submerged sediment density” 23rd International Conference on Hydraulics, Water Resources and River Engineering, NIT Patna, India 19-21 December, 2018.
14	Madhura Aher and Sanjay Yadav “Trend Analysis of Water discharge and sediment discharge of Lower Godavari basin, India.” 23rd International Conference on Hydraulics, Water Resources and River Engineering, NIT Patna, India 19-21 December, 2018.
15	Utkarsh Nigam and S. M. Yadav “Development of Computational Assessment Model of Fuzzy Rule Based Evaluation of Groundwater Quality Index: Comparison and Analysis with Conventional Index”, International Conference on Sustainable Computing in Science, Technology & Management-2019.
16	K.B. Patel and S. M. Yadav “One Dimensional Unsteady Flow Analysis using HEC-RAS Modelling Approach for Flood in Navsari City” International Conference on “Recent Advances in Interdisciplinary Trends in Engineering & Applications”, IPS Academy, Institute of Engineering & Science, Indore, India 14-15 February, 2019.
17	Sanjay M. Yadav and Nikunj K. Mangukiya "Semi-arid River Basin Flood: Causes, Damages and Measures", Proceedings of 5th International Conference in Ocean Engineering (ICOE 2019), Mauritius.
18	ChepuriAkhilesh,Melville Learie,ArkatkarShriniwas, Joshi Gaurang,PulugurthaSrinivas, Assessing Satisfaction Levels of Bus Users and Monetizing Their Travel Time,Transportation Research Board 98th Annual Meeting, Washington DC, 2019
19	ChepuriAkhilesh,KennyRaunakV,MishraDewal,ArkatkarShriniwas S,Joshi Gaurang, Study on Bus Travel Time Reliability Using GPS-Based Bus Trajectory Data Under Mixed Traffic Conditions,Transportation Research Board 98th Annual Meeting, Washington DC, 2019
20	ChaudhariAvinash,ShahJiten,ArkatkarShriniwas,Joshi Gaurang,ParidaManoranjan, Proactive Approach for Pedestrian Safety Evaluation Using Choice Model for Unprotected Mid-Block Crossings under Mixed Traffic Conditions,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
21	ChaudhariAvinash,Ninad Gore,ArkatkarShriniwas,JoshiGaurang, Pulugurtha,Srinivas, Gap Acceptance Based Safety Evaluation of Urban Midblock Crossings Under Mixed Traffic Environment,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
22	ChaudhariAvinash,Ninad Gore,ArkatkarShriniwas,Joshi Gaurang, PulugurthaSrinivas, Developing Pedestrian Warrants for Urban Mid-Block Crossings Under Mixed Traffic Environment,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
23	GoreNinad,ArkatkarShriniwas,Joshi Gaurang,Bhaskart Ashish, A Novel Methodology to Derive Vehicle Occupancy Using Wi-Fi Sensors Under Heterogenous Traffic Conditions,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
24	ChepuriAkhilesh,KennyRaunak, ArkatkarShriniwas,Joshi Gaurang, PulugurthaSrinivas S, Assessing Travel Time Reliability of a Bus Rapid Transit Route in Surat City, India,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
25	ChepuriAkhilesh,Melville Learie,ArkatkarShriniwas,Joshi Gaurang,PulugurthaSrinivas, Examining Perceived Quality of Bus Service Using Structural Equation Modeling Technique,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
26	NarayanaRaju,ArkatkarShriniwas,Joshi Gaurang, Experiences of Supervised Machine Learning to Replicate Driving Behavior Under Traffic Environment,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
27	NarayanaRaju,Ayush Jain,ArkatkarShriniwas,Joshi Gaurang, Experimental Design for Measuring Operational Performance of Truck Parking Terminal Using Simulation Technique,Transportation Research Board 98th Annual Meeting,Washington DC, 2019
28	N. Raju, S SArkatkar, G J Joshi , Developing methodology for calibrating vehicle-following models on intercity expressways using vehicular trajectories, World Conference on Transport Research Society, IITB, Mumbai, 2019
29	V S Vinayraj, S SArkatkar, G J Joshi , M Parida, Examining pedestrian critical gap analysis at

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	un-signalized midblock crosswalk sections in India, World Conference on Transport Research Society, IITB, Mumbai, 2019
30	M Jain, A Mane, S Arkatkar, G J Joshi , Capacity estimation on two lane hilly roads under heterogeneous traffic condition in India, World Conference on Transport Research Society, IITB, Mumbai, 2019
31	AChaudari , N Gore, S SArkatkar, G J Joshi , M Parida, Choice crossing behaviour model for safety margin of pedestrian at mid-blocks in India, World Conference on Transport Research Society, IITB, Mumbai, 2019
32	Vinayaraj V.S, Vasudevan N, Sanskruti Joshi, ShriniwasArkatkar and Gaurang Joshi , Operational Analysis and Schedule Development of Surat BRTS Phase I Stage II Corridor, 23rd International Conference of Hong Kong Society for Transportation Studies (HKSTS), Hong Kong, 2018.
33	D George, M M Ahammed, Effect of zero valent iron amendment on the performance of biosand filter, World Water Congress, Tokyo, September 16-21, 2018.
34	S Garg, M M Ahammed, Speciation of Heavy Metals in Raw and Treated Sewage Sludge, International Conference on Chemical and Environmental Research, December 19, 2018.
35	Rajnikant Prasad, K. D. Yadav, Water Hyacinth- Sustainable solution to river health, River Health: Assessment to restoration (RHAR-2019), IIT BHU, Feb 14-16, 2019
36	Sandeep Chillapalli, Dr. K.D.Yadav ManiKanta M Doki, Flower Waste- a potential resource, International Conference on Sustainable Waste Management, Nov 22-24, 2018, I, 977-982.
37	Chepuri Akhilesh,Melville Learie,Arkatkar Shriniwas S,Joshi Gaurang,Pulugurtha Srinivas S, Assessing Satisfaction Levels of Bus Users and Monetizing Their Travel Time,Transportation Research Board 98 th Annual Meeting, held during 13-17 January 2019 at Washington DC
38	Chepuri Akhilesh,Kenny Raunak V,Mishra Dewal,Arkatkar Shriniwas S,Joshi Gaurang, Study on Bus Travel Time Reliability Using GPS-Based Bus Trajectory Data Under Mixed Traffic Conditions,Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
39	Gore Ninad A,Dave Sanjay M,Shah Jiten H,Arkatkar Shriniwas S, Pulugurtha, Srinivas S, Level of Service Thresholds for Sidewalks Under the Influence of On-Street Parking,Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
40	Chaudhari Avinash R,Shah Jiten H,Arkatkar Shriniwas S,Joshi Gaurang J,Parida Manoranjan, Proactive Approach for Pedestrian Safety Evaluation Using Choice Model for Unprotected Mid-Block Crossings under Mixed Traffic Conditions,Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
41	Chaudhari Avinash,Ninad Gore,Arkatkar Shriniwas S,Joshi Gaurang J, Pulugurtha, Srinivas S, Gap Acceptance Based Safety Evaluation of Urban Midblock Crossings Under Mixed Traffic Environment,Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
42	Chaudhari Avinash,Ninad Gore,Arkatkar Shriniwas S,Joshi Gaurang J, Pulugurtha Srinivas S, Developing Pedestrian Warrants for Urban Mid-Block Crossings Under Mixed Traffic Environment,Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
43	Gore,Arkatkar Shriniwas S,Joshi Gaurang J,Bhaskart Ashish, A Novel Methodology to Derive Vehicle Occupancy Using Wi-Fi Sensors Under Heterogenous Traffic Conditions,Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
44	Chepuri Akhilesh,Kenny Raunak V,,Arkatkar Shriniwas S,Joshi Gaurang, Pulugurtha Srinivas S, Assessing Travel Time Reliability of a Bus Rapid Transit Route in Surat City, India, Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
45	Chepuri Akhilesh,Melville Learie,Arkatkar Shriniwas S,Joshi, Gaurang,Pulugurtha Srinivas S, Examining Perceived Quality of Bus Service Using Structural Equation Modeling Technique, Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
46	Narayana Raju,Shriniwas S,Joshi Gaurang, Experiences of Supervised Machine Learning to Replicate Driving Behavior Under Traffic Environment, Transportation Research Board 98th

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	Annual Meeting, held during 13-17 January 2019 at Washington DC
47	Narayana Raju, Ayush Jain, Shrinivas S, Joshi Gaurang, Experimental Design for Measuring Operational Performance of Truck Parking Terminal Using Simulation Technique, Transportation Research Board 98th Annual Meeting, held during 13-17 January 2019 at Washington DC
48	N. Raju, S S Arkatkar, G J Joshi, Developing methodology for calibrating vehicle-following models on intercity expressways using vehicular trajectories, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
49	V S Vinayraj, S S Arkatkar, G J Joshi, M Parida, Examining pedestrian critical gap analysis at un-signalized midblock crosswalk sections in India, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
50	Subham sharma, S S Arkatkar, Lelitha Vanajakshi, Exploratory study on approaches for traffic count prediction; using toll-way traffic count, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
51	L. Melville, S S Arkatkar, G J Joshi, S Pulugurtha, Assessing the user perception & quality of bus service in Navi Mumbai- Application of SEM technique, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
52	C Advani, S Thakkar, S S Arkatkar, A Bhaskar Performance evaluation of urban arterial network using Wi-Fi sensors under heterogeneous traffic conditions, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
53	N Pawar, N Gore, S S Arkatkar, Study of right-turning driver's dilemma at un-signalized T-Intersections under mixed traffic conditions, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
54	M Jain, A Mane, S Arkatkar, G J Joshi, Capacity estimation on two lane hilly roads under heterogeneous traffic condition in India, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
55	A. Chaudari, N Gore, S S Arkatkar, G J Joshi, M Parida, Choice crossing behaviour model for safety margin of pedestrian at mid-blocks in India, World Conference on Transport Research Society, held at IIT Bombay during 25-31 May 2019
56	Praveen Rathod, V.L. Manekar (2018). "Numerical and Experimental investigation of Turbulence around bridge pier", International conference on Hydraulics, Water Resources and Coastal Engineering, at NIT, Patna, India. V-239.
57	Navandar, Y.V., Othayoth, D., Dhamaniya, A., and Patel, D. A. , Analysis of Level of Service at Toll Plaza by using Fuzzy Logic Approach, World Conference on Transport Research (WCTR), IIT Bombay, 2019
58	Navandar, Y.V., Othayoth, D., Dhamaniya, A., and Patel, D. A. , A Quick Method for Estimation of Level of Service at Manually Operated Tollbooths under Mixed Traffic Conditions, World Conference on Transport Research WCTR, IIT Bombay, 2019
59	Navandar, Y.V., Othayoth, D., 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 SVNIT Surat, 2019
60	Jibhakate, S. M., Timbadiya, P. V. (2018). Dam Break Analysis of Ukai Dam in Lower Tapi Basin, India. Proceedings of the 23rd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2018). National Institute of Technology-Patna 19-21 December.
61	Resmi, S. R Patel, P. L. & Timbadiya, P. V. (2018) Linking of sediment yield pattern with rainfall and land-use land-cover changes within Burhanpur sub-catchment, India. Proceedings of the 23rd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2018). National Institute of Technology-Patna 19-21 December.
62	Laxmi Narayana, P., Timbadiya P. V., & Patel, P. L. (2018) Characterization of flow turbulence around bridge pier on rigid bed channel. Proceedings of the 23rd International Conference on Hydraulics, Water Resources and Coastal Engineering (Hydro 2018). National Institute of Technology-Patna 19-21 December.
63	Resmi, S. R., Patel, P. L. & Timbadiya, P. V. (2018) Geomorphic effectiveness of peak flows in Upper and Middle Tapi rivers, India. Proceedings of 21st congress of International Association for Hydro-Environment Engineering and Research, Asia Pacific Division (IAHR-APD) at Royal Ambarukmo Hotel, Yogyakarta, Indonesia 02-05 September.

CIVIL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
64	Chika Udeaja, Claudia Trillo, Kwasi Gyau, Majid Hashemi Fesharaki, D A Patel , Kumar Neeraj, Enhancing cultural resilience in India by applying digital technologies to the Indian tangible and intangible heritage, Unlocking Cultural Heritage Values: Challenges to the Economics of Conservation in the XXI Century, Nottingham Trent University, Nottingham, UK 2018
65	Nihalani Seema, Khembete A K, Jariwala N D , “ Source Apportionment of PM using receptor modelling- Review of Indian scenario, International conference on Emerging Research Trends in Mechanical and civil engineering (ICERTMCE-2018) school of Mechanical & Civil Engineering of Reva University, Bengaluru, 13-14 th July-2018.
66	Nihalani Seema, Nandini Moondra, Khembete A K, Jariwala N D “ Air quality assessment using Fuzzy inference system, International conference on “ Advanced Engineering Optimization Through Intelligent Techniques(AEOTIT) , SVNIT , surat ,3-5 th August 2018.
67	Nihalani Seema, Khembete A K, Jariwala N D “ Receptor Modelling for particulate matter: Review of Indian scenario , International conference on “ Trends and Recent Advance in civil Engineering (TRACE-2018), Amity University, New Delhi, 23-24 th August -2018.
68	Kalpesh Borse, Agnihotri P. G.,aptive Neuro-Fuzzy inference System based Yield Forecast using Climatic Variables, International Conference on “Hydraulics and Water Resources – Hydro-2018”, organized by Indian Society for Hydraulics and National Institute of Technology, Patna, India, December 2018
69	Kartik Chorasiya, Agnihotri P. G. and Kalpesh Borse, Development of Hydrologic Model for Upper Tapi River Basin, International Conference on “Hydraulics and Water Resources – Hydro-2018”, organized by Indian Society for Hydraulics and National Institute of Technology, Patna, India, December 2018

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Ashish V. Srivastava and Z.V.P. Murthy , (2019) Application of nanomaterials in membrane distillation-crystallization. Paper presented at the “International Conference on Recent Trends in Nanomaterials for Clean Energy” (ICRTNCE-2019), Sardar Vallabhbhai National Institute of Technology, Surat, India, during 16-17 February 2019. (P-34)
02	Amol V. Sonawane and Z.V.P. Murthy , (2019) Application of MBR for the treatment of different wastewaters. Paper presented at the “Indo-German Joint Scientific Workshop on Membranes for Water and Energy”, held at the CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, India, during 18-20 February 2019. (MW-002)
03	Nikita Gupta and Z.V.P. Murthy , (2019) Effect of tetramethylurea on the performance of polysulfone membrane. Paper presented at the “Indo-German Joint Scientific Workshop on Membranes for Water and Energy”, held at the CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, India, during 18-20 February 2019. (MW-006)
04	Ashwin R. Kamble, Chetan M. Patel, and Z.V.P. Murthy , (2019) Influence of different two-dimensional inorganic materials on CO ₂ /N ₂ separation through polyetherimide membrane. Paper presented at the “Indo-German Joint Scientific Workshop on Membranes for Water and Energy”, held at the CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, India, during 18-20 February 2019. (MW-033).
05	Neha Bhatt and Mausumi Mukhopadhyay , (2019) Photocatalytic Activity of Synthesized PVC/ZnO Nanocomposite Membrane” Poster Presented in Indo German Joint Scientific Workshop on Membranes for Water and Energy CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, Gujarat, India during 18 th -20 th February 2019. (MW-0036).
06	Chirag Mevada and Mausumi Mukhopadhyay (2019) Electrochemical investigation of hydrous ruthenium oxide as an electrode material for energy storage device” Poster Presented in International Conference on Recent Trends in Nanomaterials for Clean Energy (ICRTNCE-2019) organized by Department of Applied Physics, SVNIT, Surat during 16 th -17 th February 2019.
07	Chandra Bhushan T. Pal and G. C. Jadeja on “Deep Eutectic Solvents and Their Applications” in Royal Society of Chemistry India West Chapter Symposium and Research Scholar Meet -2019 (RSC-IW-SRSM-2019) at Uka Tarsadia University, 22-23 February 2019.
08	Saurabh C. Singh, Rupesh A Khare, Z.V.P. Murthy , (2018) Evaluation of process parameters and membrane selection for hemicellulose separation from viscose rayon industry stream.

CHEMICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	(PP-35, Pages 143-144) were presented at "The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018" (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, during 10-12 December 2018.
09	Ashwin R. Kamble, Chetan M. Patel and Z.V.P. Murthy , (2018) Recent developments in polymer-inorganic composite membranes for gas separation. (PP-37, Page 146) were presented at "The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018" (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, during 10-12 December 2018
10	Nikhil R. Mene, Z.V.P. Murthy , (2018) Recovery of pure water by membrane distillation crystallization using MWCNTs/PVDF blend membrane. (PP-38, Page 147) were presented at "The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018" (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, during 10-12 December 2018
11	Jainesh H. Jhaveri, Z.V.P. Murthy , (2018) Nanofiltration application in metal and acid removal as well as recovery. (PP-39, Page 148) were presented at "The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018" (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, during 10-12 December 2018
12	Daxa Sharma, Sanjaykumar Patel, Z.V.P. Murthy , (2018) Applications of membrane distillation in crystallization. (PP-40, Page 149) were presented at "The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018" (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, during 10-12 December 2018
13	Nikita Gupta, Z.V.P. Murthy , (2018) Use of metal organic frameworks (MOFs) in nanofiltration membranes. (PP-41, Page 150) were presented at "The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018" (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat, India, during 10-12 December 2018.
14	Pushkar, P. Mungray, A.K , (2018) In-situ electrochemical diffusion analysis of Benthic Microbial Fuel Cell, at Pilani, K K Birla Goa campus, Goa, India on 13 -16 November 2018.
15	Pushkar, P. Mungray, A.K , (2018) Osmotic microbial fuel cell: Performance of photo-polymerized active layer forward osmosis membrane, at Pilani, K K Birla Goa campus, Goa, India on 13 -16 November 2018.
16	Raj Kumar, Chetan M. Patel, Arun K. Jana , Srikanth R. Gopireddy, (2018) The relationship between flow density, hopper angle and particle-size distribution during conical hopper discharge: experimental and numerical analysis, IN, 9 th International Conference on Conveying and Handling of Particulate Solids, London, United Kingdom, September 10-14, 2018.
17	Gourav Mishra and Mausumi Mukhopadhyay (2018), Improved performance of halloysite nanotubes mixed matrix poly(vinyl chloride) ultrafiltration membrane for humic acid separation, IWA Regional Membrane Technology Conference (IWA-RMTC 2018, Vadodara, Gujarat, India, OPS-40 pp106.
18	Sonia R. Lakhotia, Mausumi Mukhopadhyay and Premlata Kumari (2018), Self cleaning cerium oxide-TFN NF membrane for water treatment, IWA Regional Membrane Technology Conference (IWA-RMTC 2018, Vadodara, Gujarat, India, OP-18 pp 58.
19	Mausumi Mukhopadhyay , Niraj Kulkarni, Preeti Dauthal (2018), Optimization and Green synthesis (Delonix regia mediated) of zero valent iron nanoparticles, AIChE 2018, Annual Meeting, Pittusburgh, USA, 545b pp 225.
20	Gourav Mishra and Mausumi Mukhopadhyay (2018), Interfacial surface energy study of the PVC/TiO ₂ -HNTs ultrafiltration membrane for its suitability as an antifouling membrane, AIChE 2018, Annual Meeting, Pittusburgh, USA, 326h pp175.

COMPUTER ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Brijesh B. Mehta, UdaiPratap Rao, Ruchika Gupta, and Mauro Conti, "Towards privacy

COMPUTER ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	preserving unstructured big data publishing", Journal of Intelligent and Fuzzy Systems, vol. 36, no. 4, pp. 3471-3482, 2019.
02	NikunjDomadiya, A Kumar, UdaiPratap Rao, "Improving healthcare using privacy preserving association rule mining in distributed healthcare data ", International Journal of Engineering and Advanced Technology ,Volume-8 Issue-4, pp. 592-596, 2019.
03	Domadiya, Nikunj, and UdaiPratap Rao. "Privacy Preserving Distributed Association Rule Mining Approach on Vertically Partitioned Healthcare Data." Procedia computer science, vol. 148, 2019, pp. 303-312.
04	UdaiPratap Rao, Brijesh B. Mehta, Nikhil Kumar, "Scalable I-Diversity: An Extension to Scalable k-Anonymity for Privacy Preserving Big Data Publishing", International Journal of Information Technology and Web Engineering (IJITWE) 14(2), pp. 27-40, 2019.
05	NikunjDomadiya and UdaiPratap Rao, "Privacy Preserving Association Rule Mining for Horizontally Partitioned Health Care Data : A Case Study on the Heart Diseases", <i>Sādhanā</i> (2018) 43: 127 , Springer, pp. 1-9.
06	MeghaviChoksi, HiteshwariGamit, and Mukesh A Zaveri, "Data sensing and resource scheduling in clustered environment for post disaster management using Internet of Things", Proceedings of 3rd IEEE International Conference for Convergence in Technology (I2CT 2018), 7-8 April 2018, Pune.
07	HiteshwariGamit, J Sathish Kumar, Mukesh A Zaveri, "Resource monitoring and scheduling for post disaster management in Internet of Things", Proceedings of 3rd IEEE International Conference for Convergence in Technology (I2CT 2018), 7-8 April 2018, Pune.
08	MeghaviChoksi, Mukesh A Zaveri, J Sathish Kumar and Saurabh K Pandey, "Cloud based Real Time Data Acquisition in IoT Environment for Post Disaster Management", Proceedings of IEEE 9th International Conference on Computing, Communication and Networking Technologies (ICCCNT 2018), 10-12 July, 2018, IISc Bengaluru, India.
09	Saurabh Kumar and Mukesh A. Zaveri, "Event Localization based on Direction of Arrival using Quasi Random Deployment in Internet of Things", Proceedings of SAI International Conference on Intelligent Systems (IntelliSys 2018), pp. 803-811, Springer Advances in Intelligent Systems and Computing (AISC), vol. 869, pp. 170-188, 6-7 September 2018, London, United Kingdom.
10	MeghaviChoksi, Mukesh A. Zaveri and SrustyAnand, "Traffic Surveillance for Smart City in Internet of Things Environment", Proceedings of SAI International Conference on Intelligent Systems (IntelliSys 2018), pp. 812-818, Springer Advances in Intelligent Systems and Computing (AISC), vol. 869, pp. 189-204, 6-7 September 2018, London, United Kingdom.
11	Saurabh K Pandey, Mukesh A Zaveri, MeghaviChoksi and J Sathish Kumar, "UAV based Localization for Layered Framework of the IoT", Proceedings of 8th International Conference On Advances in Computing & Communications (ICACC 2018), Science Direct, Elsevier Procedia Computer Science, 13-15 September 2018, Kochi, India.
12	J Sathish Kumar, Mukesh A Zaveri, Saurabh Kumar, and MeghaviChoksi, " Situation Aware Conditional Sensing in Disaster Prone Areas using Unmanned Aerial Vehicles in IoT Environment", Proceedings of International Conference on Data Communication and Networks, co-located with IEEE International Conference on Computing, Power and Communication Technologies (GUCON 2018), Springer Advances in Intelligent Systems and Computing, 28-30 September 2018, New Delhi, India.
13	Vishnu TejaYalakuntla, Rahul Kanojia, Kushagra Chauhan, RohitGurnani and Mukesh A. Zaveri, "Surpassing traditional Image-Colorization problems with Conditional Generative Adversarial Networks", Proceedings of Third International Conference on Electrical, Communication and Information Technologies (ICECIT 2018), Springer Nature Lecture Notes in Electrical Engineering (LNEE), 20-22 December 2018, Anantapur, Andhra Pradesh, India.
14	J Sathish Kumar, Mukesh A Zaveri, Saurabh Kumar, and MeghaviChoksi, " Geo-fencing Technique in Unmanned Aerial Vehicles for Post Disaster Management in the Internet of Things ", Proceedings of IEEE Second International Conference on Advanced Computational and Communication Paradigms (ICACCP-2019), 25-28 February 2019, Sikkim, India.

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
15	Saurabh K. Pandey and Mukesh A. Zaveri, "A Graph-based Communication Algorithm using Collaborative Computing Scheme in the Internet of Things", Proceedings of IEEE Second International Conference on Advanced Computational and Communication Paradigms (ICACCP-2019), 25-28 February 2019, Sikkim, India.
16	J. Dhanani, R. Mehta, D. Rana, B. Tidke, "Novel Distributed Word Embedding for Sentiment Analysis: A MapReduce Framework for Word2vec (MRW2V)", 6th International Conference on Big Data Analytics (BDA 2018), Warangal, India, December 18–21, 2018.
17	M. Desai, R. Mehta, D. Rana, "Issues and challenges in big graph modelling for smart city: An extensive survey, International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala, 14-15 Dec. 2018.
18	M. Desai, R. Mehta, D. Rana, "A Survey on Techniques for Indexing and Hashing in Big Data", 4th International Conference on Computing, Communication and Automation (ICCCA-2018) – Technically Co-sponsored by IEEE UP Section, 14-15 Dec. 2018.
19	J. Dhanani, R. Mehta, D. Rana, B. Tidke, "Big and Stream Data Analytics using Incremental MapReduce framework for Smart City", International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala, 14-15 Dec. 2018.
20	J. Dhanani, R. Mehta, D. Rana, B. Tidke, "Back-Propagated Neural Network on MapReduce Frameworks: A Survey," in Proceedings of the International Conference on Smart Innovations in Communications and Computational Sciences (ICSICCS 2018), Springer AISC Book Series (Scopus), 2018.
21	J. Dhanani, R. Mehta, D. Rana, B. Tidke, "Sentiment Analysis using Novel Distributed Word Embedding for Movie Reviews," in Proceedings of the 10th International Conference on Advanced Computing (ICoAC-2018), will be submitted in IEEE Xplore Digital Library, 2018.
22	S. Vora and R. Mehta, "Investigating People's Sentiment from Twitter Data for Smart Cities: a Survey", International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala, 14-15 Dec. 2018
23	S. Satvik, B. Tidke and R. Mehta, "Point-of-Interest (POI) Recommendation for Location Based Services", International Conference on Computational Intelligence and IOT (ICCIOT), Elsevier, NIT Agartala, 14-15 December 2018.
24	Bharat Tidke, Rupa Mehta, Jenish Dhanani, "Stakeholder-Centric Influence Analysis Approach using Social Media for Smart City", Elsevier, International Conference on Computational Intelligence and IOT (ICCIOT), NIT Agartala, 14-15 December 2018.
25	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.
26	S. P Mudnur, S. R. Goyal, K. N. Jariwala, "Hiding the Secret Image Using Two Cover Images for Enhancing the Robustness of the Stego Image Using Haar DWT and LSB, IEEE International Conference on Information and Communication Technology (CICT'2018) IIIT, Jabalpur, 26-28 th October 2018.
27	S. P Mudnur, S. R. Goyal, K. N. Jariwala, "Extraction of Maximum Secret Information Hidden in Approximate Band of Haar Wavelet Transform of an Image", IEEE International Conference on Information and Communication Technology (CICT'2018) IIIT, Jabalpur, 26-28 th October 2018.
28	Nikhil Kulkarni, K N Jariwala, Prateek Rao, "Big Data Information Infracation Detection through cloud computing bottlenecks", International Conference on Artificial Intelligence, Smart Grid and Smart City Applications – AISGSC 2019, 3-5 th January 2019
29	M Anjali, R Dipti, A Isha, "Random Forest Classifier Approach for Imbalanced Big Data Classification for Smart City Application Domains", International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala, 14-15 Dec. 2018.
30	NK Jain, D Mitali, R Dipti, "Empirical comparison of IoT based smart home models", International Conference on Computational Intelligence and Internet of Things (ICCIoT

COMPUTER ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	2018), Elsevier, NIT Agartala, 14-15 Dec. 2018.
31	D. P. Rana, I. Agarwal, A. more, "A review of Techniques to Combat the Peril of Fake News", 4th International Conference on Computing, Communication and Automation (ICCCA-2018) – Technically Co-sponsored by IEEE UP Section, 14-15 Dec. 2018.
32	Agarwal, D. Rana, A. More, "Predicting the Veracity of Fake News on Smart Media for Reducing Misinformation Diffusion", International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala, 14-15 Dec. 2018.
33	Anjali S. More, and Dipti P. Rana, and Isha Agarwal, Random Forest Classifier Approach for Imbalanced Big Data Classification for Smart City Application Domains(2018). International Journal of Computational Intelligence & IoT, Vol. 1, No. 2, 2018. SSRN: https://ssrn.com/abstract=3354727
34	UdaiPratap Rao, Gargi Baser, and Ruchika Gupta, "SCC-LBS: Secure Criss-Cross Location-Based Service in Logistics", International Conference on Wireless Intelligent and Distributed Environment for Communication, Lecture Notes on Data Engineering and Communications Technologies, pp. 233-255, 2019. (Book Chapter)
35	Rishipal Yadav, UdaiPratap Rao, DilayParmar, SumedhNimkarde and Gaurav Jat, "Preserving Location Privacy Using Blockchain", Springer IETE International Conference on Blockchain Technology (IC-BCT 2019), Mumbai, 2019. (To be Published)
36	Vaibhav Agrawal, Aishwarya Agarwal, Shailja Shah, DilayParmar and UdaiPratap Rao, "Decentralised Ecosystem for Journalism based on Blockchain", Springer IETE International Conference on Blockchain Technology (IC-BCT 2019), Mumbai, 2019. (To be Published)
37	Pravan Kumar Gadekula and UdaiPratap Rao, "Improved Pearson Similarity for Collaborative Filtering Recommendation System", In the proceedings of 13th INDIACom; 2019 6th International Conference on Computing for Sustainable Global Development, 13th – 15th March, IEEE, 2019. (To be Published)
38	N. H. Domadiya, U. P. Rao, "Privacy Preserving Approach for Association Rule Mining in Horizontally Partitioned Data using MFI and Shamir's Secret Sharing," 13th International Conference on Industrial and Information Systems (ICIIS 2018), IIT Ropar, IEEE, pp. 217-222, 2018.
39	Unnati Shah, Sankita Patel, DevshJinwala, An Ontological Approach to Specify Conflicts among Non-Functional Requirements, 2nd International Conference on Geoinformatics and Data Analysis, 145-149, March 15 - 17, 2019
40	Unnati Shah, Sankita Patel, DevshJinwala, Constructing a Knowledge-based Quality Attributes Relationship Matrix to Identify Conflicts in Non-Functional Requirements, 1st International Conference on Intelligent Computing, Bangalore, Oct 25-27, 2018
41	Shivangi Shukla, Sankita Patel, A Context-Aware Approach to Enhance Service Utility for Location Privacy in Internet of Things, Third International Conference on Advances in Computing and Data Sciences, Apr 12-13, 2019
42	KamalkumarMacwan, Sankita Patel, "Node Differential Privacy in Social Graph Degree Publishing," 8th International Conference on Advances in Computing and Communication (ICACC-2018), Procedia Computer Science, 143(2018) : 786-793.
43	Bhavesh N. Gohil, and Dhiren R. Patel, "A hybrid GWO-PSO Algorithm for Load Balancing in Cloud Computing Environment", The 2 nd International Conference on Green Computing and Internet of Things(ICGCIoT), IEEE, Bangalore, August 16-18, 2018.
44	Bhavesh N. Gohil, and Dhiren R. Patel, "An improved Grey Wolf Optimizer(iGWO) for Load Balancing in Cloud Computing Environment", The 18 th International Conference on Algorithms and Architectures for Parallel Processing(ICA3PP 2018), LNCS, Guangzhou, China, 15-17 November, 2018.

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Z.M.Patel, "Low Power and High Speed Configurable ALU" presented in 7 th International

ELECTRONICS ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	Conference on Innovations in Electronics & Communication Engineering (ICIECE 2018) on 27-28 July, 2018 and Published in SPRINGER "Lecture Notes on Network and Systems (ISSN: 2367-3370) indexed in Scopus.
02	Ketki C. Pathak, Jignesh N. Sarvaiya, Anand D. Darji , " Novel low complex 4 x 4 and 16 x 16 Intra Prediction architecture for Error Concealment for H.264," in Interanation Conference on Microelectronics, Computing & Communication Systems(MCCS-2019) organized by IETE (Institute of Electronis & Telecommunication Engineering) & ISVE (Indian Society for VLSI Education) at Advanced Regional Telecom Training Centrl, Hasaribag Rod, Ranchi, Jharkhand, India during 11 th -12 th May 2019.
03	Ketki C. Pathak, Parth Vaghela , Jay Desai , Dr. A.D. Darji, "Low bit rate intra prediction coding for Medical sequences using HEVC standard," paper submitted toIEEE International conference on Recent innovations in Electrical, Electronics and Communication Engineering(ICRIEECE-20180, which will be held at school of Electrical Engineering Kalinga Institute of Industrial Technology(KIIT), Bhubanesher, India during 27 th -28 th July 2018. (Accepted and Presented). Proceeding will be available as SCOPUS book series LNEE (Lecture Notes on Electrical Engineering) of Springer .
04	Srijeeth R., Dr. Shweta Shah, "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, Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST 220 LNICST, pp. 184-191,2018
05	Mehul Desai, Dr. Shweta Shah," 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 , Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST 220 LNICST, pp. 174-183,2018
06	Priyanka Lineswala, Dr. Shweta Shah, "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. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICST 220 LNICST, pp. 237-246,2018.
07	Surya Gupta, Darshna D. Jagiwala and Shweta N. Shah, "Characterization of Interfering Signal in S band of IRNSS", Lecture Notes in Electrical Engineering, 2nd International Conference on Microelectronics, Computing and Communication Systems, MCCS 2017; Ranchi; India; 13 May 2017 through 14 May 2017; Volume 476, 2019, Pages 211-222 Code 216739
08	Bhamre, Pooja, and S. Gupta, "JAYA Optimized Poly Phase Coded Waveform Design for MIMO RADAR", In World Conference on Innovations in Management, Science and Engineering, 25-26 April 2019, indexed in Scopus
09	Hiren Dhuda, Piyush N. Patel, "A Selective Notched W-Band Corrugated Bragg Reflector for Plasma Signal Diagnostics in ITER," European Microwave Conference, 2019.
10	Arpan Shah, Piyush N. Patel, "Compact CPW-Fed Square Ring Annular Slot Antenna for WBAN Applications," IEEE International Conference on Communication and Signal Processing, pp. 0434-0437, 2019.
11	Dhananjay Patel, Siddhartha Tallur, Upena Dalal, " <u>Assessment of RB Noise in Bidirectional RoF Based on Different O-OFDM SSB Systems</u> ", Annual IEEE Photonics Conference (IPC) 2018 Reston, VA, 978-1-5386-5358-6/18/\$31.00 ©2018 IEEE, 1-2, Scopus
12	<u>Syam Sanal ; Pinalkumar Engineer, "Multithreaded Image Processing Using ReconOS on Reconfigurable Computing System", 2018 International Conference on Emerging Trends and Innovations In Engineering And Technological Research (ICETIETR)-2018, July 11-13, 2018</u>

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Aliva Routray, Khyati D. Mistry and Sabharaj Arya, "Loss minimization in a radial

ELECTRICAL ENGINEERING DEPARTMENT	
No.	*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	distribution system with dg placement using jaya optimization technique," in <i>Proc. of IEEE International Conference on Sustainable Energy Technologies and Systems (ICSETS)</i> , 2019, pp.1-6
02	Sabha Raj Arya, Rakesh Maurya, Ashutosh K. Giri, Amin Qureshi, B.Chitti Babu, "Control Approach to Improve the Power Quality for Effective Utilization of Single Phase Induction Generator," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
03	Akhil Raj P., Sabha Raj Arya, "Solar Fed DC-DC Converter for Small Power Applications," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
04	Jayadeep Srikakolapu, Sabha Raj Arya, Rakesh Maurya. "Algorithm for DSTATCOM using Cascaded Delayed Signal Cancellation effect in Three Wire System," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
05	Aliva Routray Khyati D. Mistry, Sabha Raj Arya, "Analysis of Wake Effect on Wind Power Generation for Loss Minimization in Distribution System," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
06	Aliva Routray Khyati D. Mistry, Sabha Raj Arya, "Loss Minimization in Distribution System Considering Hourly Data Driven Probabilistic Solar Astronomical Model with GWO Technique," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
07	Papia Ray, Debani Prasad Mishra, Sabha Raj Arya, "An Intelligent Approach for Protection Coordination of Overcurrent Relay in Smart grid," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
08	Debani Prasad Mishra, Papia Ray, Sabha Raj Arya, "Comparative Analysis Of Classification And Location Of Faults In A Long Transmission Line Using Random Forest Technique," <i>Accepted for publication in IEEE 1st International Conference on Energy, Systems and Information Processing (ICESIP2019)</i> , IITDM Kancheepuram, Chennai – 600127, 2019, pp.1-6
09	Talada Appala Naidu, Sabha Raj Arya and Rakesh Maurya, "Control of DVR using Variable Step-size Griffith's LMS with Optimized tuning of Proportional Integrator Gains," <i>IEEE Power Electronics Applications & Technology in Present Energy Scenario (PETPES 2019)</i> , 2019, pp.1-7
10	Yesha Prajapati, Rakesh Maurya, "Battery Charging Station for Multiple Electric Vehicles with Power Conditioning," in <i>proc. of 1st IEEE International Conference on Energy Systems and Information Processing (ICESIP)</i> at I.I.I.T.D.M. Kancheepuram, India, July 04-06, 2019
11	Kumari Shipra, S.N. Sharma and Rakesh Maurya, "A Study of Passivity Based Controllers for Switched Electrical Network," in <i>proc. of 1st IEEE International Conference on Energy Systems and Information Processing (ICESIP)</i> at I.I.I.T.D.M. Kancheepuram, India, July 04-06, 2019
12	Shaikh Mo.Suhel A and Rakesh Maurya, "Modified SVPWM Techniques for Six-Phase Asymmetrical Induction Motor Drives," in <i>proc. of 1st IEEE International Conference on Energy Systems and Information Processing (ICESIP)</i> at I.I.I.T.D.M. Kancheepuram, India, July 04-06, 2019
13	C. V. Rohit, P.B. Darji and H.R. Jariwala. "Mitigation of IGE using STATCOM with DFIGs." <i>IEEE International Conference on Power Electronics, Drives and Energy Systems (PEDES)</i> , pp. 1-6, 2018.
14	Sundaram Pandya and Hitesh. R. Jariwala, "Non Dominated Sorting Dragonfly Algorithm For Multi-Objectives Optimal Power Flow" International conference on Power and Advanced Computing Technologies (22-23, March 2019, i-PACT 2019, VIT, Vellore)
15	Sundaram Pandya and Hitesh.R.Jariwala, "Multi-Objective Optimal Power Flow with

ELECTRICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	Voltage Stability Enhancement and Loss Reduction Using Moth Flame Optimization Algorithm" International Conference on Electrical, Computer and Communication Technologies (IEEE ICECCT 20-22 February, 2019 Coimbatore)
16	K. Bhatia, P. B. Darji and H. R. Jariwala "Cogent Assessment of Safety Parameters in Design of Microgrid Grounding System", IEEE Conference on Electrical, Environment and Electrical Engineering and IEEE Industrial and Commercial Power Systems Europe (EEEIC/I&CPS Genoa, Europe), June-2019.
17	Dharmesh D. Patel, K. D. Mistry, M. Raichura and N. G. Chothani, "Directional Feature based Power Transformer Protection using Three State Kalman Filter," 20th National Power Systems Conference- NPSC 2018, Department of Electrical and Electronics Engineering, National Institute of Technology, Tiruchirappalli, Tamilnadu, India
18	N. G. Chothani, M. Raichura and Dharmesh D. Patel, K. D. Mistry, " Real Time Monitoring & Protection of Power Transformer to Enhance Smart Grid Reliability," 18 th annual IEEE Canada Electrical Power and Energy Conference (EPEC 2018)

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
01	Rahul Jagtap and Shailendra Kumar, An Experimental Investigation on Thinning and Formability in Hybrid Incremental Sheet Forming Process, 14th Global Congress on Manufacturing and Management (GCMM – 2018), Brisbane, Australia, 2018
02	RV Rao, A Saroj, J Taler, P Oclon (2018). multi-objective design optimization of shell-and-tube heat exchanger using multi-objective SAMP-Jaya algorithm, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques, 3-5 August 2018, SVNIT Surat, India. Proceedings were subsequently published by Springer.
03	T. Dede, M. Grzywiński and R. V. Rao (2018). Jaya: a new meta-heuristic algorithm for the optimization of braced dome structures, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques, 3-5 August 2018, SVNIT Surat, India. Proceedings were subsequently published by Springer.
04	K. C. More and R. V. Rao (2018). Design Optimization of Plate-Fin Heat Exchanger by Using Modified Jaya Algorithm, Proceedings of the International Conference on Advanced Engineering Optimization Through Intelligent Techniques, 3-5 August 2018, SVNIT Surat, India. Proceedings were subsequently published by Springer.
05	Jeet Raut, Shalin Marathe, Harit Raval ,Numerical Investigation on Single Point Incremental Forming (SPIF) of Tailor Welded Blanks (TWBs). AIMTDR-2018, Anna University, Chennai.
06	Shalin Marathe, Harit Raval ,Investigation on forming behavior of Tailor Welded Blanks (TWBs) during Single Point Incremental Forming (SPIF) process, International Academic Conference on Development on Science and Technology (IACDST) - New York, USA. 16-17th May, 2019.
07	Shalin Marathe, Harit Raval, FE Analysis of Single Point Incremental Forming (SPIF) for Tailor Welded Blanks (TWBs).. ICCMM- IIT, Guwahati. March-2019,
08	Shalin Marathe, Harit Raval, Investigation on tensile testing of Tailor Welded Blanks (TWBs) – A simulation study. ICCMM- IIT, Guwahati. March-2019,
09	Chakradhar Bandapalli, Sutaria B. M. Bhatt D. V., Tool Wear Analysis In High Speed Micro End Milling of Titanium Alloy Ti-6Al-4V, Proceedings of MSSM 2018, University of the West of Scotland, Paisley, UK. www.MSSM2018.uws.ac.uk, 2018
10	Makwana Mohit, Sutaria B. M., Centrifugal Slurry Pump Performance & Wear Study- A Critical Review, An International Conference on Tribology, TRIBOINDIA-2018 VJTI, Mumbai, India, http://dx.doi.org/10.2139/ssrn.3331441 , 13-15, December 2018
11	Narale, M. N., Kulkarni, S. G., Menghani, J. V., & Lal, A Experimental investigation and optimization of multiple performance characteristics of Al-Mica-B4C hybrid reinforced composite in drilling operation Materials Today: Proceedings 5(9) 2018 29763-29772
12	More, S. R., Ingole, S. P., Bhatt, D. V., & Menghani, J. V The Study of Slurry Erosion Wear Behaviour of Coal Bottom Ash Slurry Handling Pipeline. TMS 2019 148th Annual Meeting & Exhibition Supplemental Proceedings , San Antonio , Texas , USA 10-14 Mar 2019 148

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	697-710
13	Wagh, S. V., Ingole, S., Bhatt, D. V., Menghani, J. V., & Rathod, M. J. Effect of Process Parameters on Surface Properties of Laser-Hardened Cast Iron. TMS 2019 148th Annual Meeting & Exhibition Supplemental Proceedings , San Antonio , Texas , USA 10-14 Mar 2019 733-743
14	Rajpurohit S. R., Dave H. K., (2019), "Tensile Strength of 3D Printed PLA Part", In 7th International and 28th AIMTDR, Anna University, Chennai, India. (Will be published in springer proceeding)
15	Prajapati A. R., Dave H. K., Rajpurohit S. R., (2019), "Investigation on quality of in house fabricated PLA filament for 3D printing application", In 7th International and 28th AIMTDR, Anna University, Chennai, India. (Will be published in springer proceeding)
16	Patadiya N. H., Dave H. K., Rajpurohit S. R., (2019), "Effect of Build Orientation on Mechanical Strength of FDM Printed PLA", In: Proceedings of 7th International and 28th AIMTDR, Anna University, Chennai, India. (Will be published in springer proceeding)
17	Patel S. K., Dave H. K., Patel H.V., (2019), "Ultrasonic Welding of Molybdenum using Aluminium interlayer", In: Proceedings of 7th International and 28th AIMTDR, Anna University, Chennai, India. (Will be published in springer proceeding)
18	Dharmesh R. Lathiya, Kalpana C. Maheria, Dhananjay V. Bhatt, Fly-ash based solid acid catalyst: synthesis, characterization and application in biofuel production, Eigen Scientific Group, Applied Catalysis & Chemical Engineering (ACC-2019), Crowne Plaza Dubai – Deira, Salahuddin Road – Dubai, UAE, 8-10 April 2019
19	S R More, Sudeep Ingole, D V Bhatt, J V Menghani, The study of slurry erosion wear behavior of coal bottom ash slurry handling, TMS 2019 – 148th annual meeting and exhibition, Henry B. González Convention Center San Antonio, Texas, USA, pp. 697-710, 10-14 March 2019.
20	Prajapati, H. and Kant, R (2018) Prioritization of Reverse Logistics Enabler, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, Bhubaneswar, India, Sept. 27th – 30th, 2018.
21	Kumar, P. and Kant, R. (2018) Experimental study on influence of process parameters of abrasive Water Jet Machining on surface roughness of Kevlar Epoxy Composites, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, Bhubaneswar, India, Sept. 27th – 30th, 2018.
22	Ansari, Z. and Kant, R. (2018) Prioritizing the performance measures of design for disassembly of a product using AHP, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, Bhubaneswar, India, Sept. 27th – 30th, 2018.
23	Pathak, U. and Kant, R. (2018) A conceptual review of Kano Model to prioritize customer's satisfaction, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, Bhubaneswar, India, Sept. 27th – 30th, 2018.
24	Agarwal, S. and Kant, R. (2018), Identifying the barriers in Humanitarian Supply Chain Management and prioritizing using AHP, International Conference on Role of Industrial Engineering in Industry 4.0 Paradigm, Bhubaneswar, India, Sept. 27th – 30th, 2018.
25	Ashwini Dalvi R D Shah, S A Channiwala, Design of S-type submerged Air Intake of slender Aerodynamic Body, Asian Congress on Gas turbine, 22-24 Aug. 2018.
26	Kruti Choksi, S A Channiwala, Numerical study of Flow field of swirler of gas turbine combustor for various shroud configurations, Asian Congress on Gas turbine, 22-24 Aug. 2018.
27	Avinash Nakod, S A Channiwala, Optimization of Vaned Diffuser of Mixed Flow Compressor Asian Congress on Gas turbine, 22-24 Aug. 2018.
28	Noorul Ameen, A. A. Shaikh, Sharique Ather, Aakif Anjum, A Review on Tribological properties of Metal Matrix NanoComposite, 1st National Conference on Technology Maulana Mukhtar Ahmed Nadvi Technical Campus (MMANTC), Mansoor, Malegaon Maharashtra, India, 23-24, Feb 2019, IOSR Journal of Engineering (IOSR JEN) 2250-3021, ISSN (p): 2278-8719 PP 17-22
29	Aakif Anjum, A. A. Shaikh, Ozair Shaikh, Noorul ameen, Sharique Ather, Design and Analysis of Zero Turning Radius Robotic Vehicle, 1st National Conference on Technology, 1st National Conference on Technology Maulana Mukhtar Ahmed Nadvi Technical

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
	Campus (MMANTC), Mansoor, Malegaon Maharashtra, India, 23-24, Feb 2019, IOSR Journal of Engineering (IOSR JEN), ISSN (e): 2250-3021, ISSN (p): 2278-8719, PP 05-10
30	Mayank Shah and Rupesh Shah, Effect of Shallow Dimple on Cylindrical Surface for Heat Transfer and Pressure Penalty, FLAME 2018, Amity University, Nioda, UP, 3-5 October 2018.
31	Mayank Shah and Rupesh Shah, Numerical Investigation of Heat Transfer and Pressure Drop Characteristics for Tube Bank Having Shallow Dimples on Surface, Fluid Mechanics and Fluid Power 2018, IIT Bombay, 10-12 December 2018
32	Ankit Dekhatawala and Rupesh Shah, Numerical Investigation Two Dimensional Laminar Flow Past Various Oscilating Cylinder, FLAME 2018, Amity University, Nioda, UP, 3-5 October 2018.
33	Parag Rajpara, Rupesh Shah and J. Banerjee, Effect of dilution air distribution on performance of upward swirl combustor, Asian Congress on Gas Turbine, Moioaka, Iwate, Japan, 22-24 August 2018
34	P B Gujarati, K P Desai, H B Naik, M D Atrey, Development and experimental investigations on two stage GM type pulse tube refrigerator for 20 K Applications, International Cryogenic Engineering Conference and International Cryogenic Materials Conference (ICEC27-ICMC 2018), Oxford university, UK, September 3 – 7, 2018.
35	Shreya Mehta Rasmin Damle Keyur Desai Hemant Naik, Theoretical and experimental study of coiled finned tube heat exchanger for helium liquefaction plant, International Cryogenic Engineering Conference and International Cryogenic Materials Conference (ICEC27-ICMC 2018), Oxford university, UK, September 3 – 7, 2018.
36	U Kale, S Desai, K P Desai, H B Naik, The cool - down study on vacuum insulated boil off calorimeter, International Cryogenic Engineering Conference and International Cryogenic Materials Conference (ICEC27-ICMC 2018), Oxford university, UK, September 3 – 7, 2018.
37	Digant Sudhirkumar Mehta, Bhavesh Vaghela, Manish Rathod, Jyotirmay Banerjee, Performance of Shell and Tube Latent Heat Storage Unit under different Orientation, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
38	Jignesh Thaker and Jyotirmay Banerjee, LDV as an Optical Technique for Measurements of Liquid Height in Two-Phase Stratified Flow, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
39	Sunny Saini, Jyotirmay Banerjee, Recurrence Analysis for Transition of Plug to Slug Flow, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
40	Shaswat Anurag Saincher, Jyotirmay Banerjee, Two-Phase Navier-Stokes Simulations of Plunging Breaking Waves, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
41	Chetan Anghan, Sagar Narendrakumar Dave, Shaswat Anurag Saincher, Jyotirmay Banerjee, An Accurate Open Outlet Boundary Condition for Direct Numerical Simulation of Incompressible Round Jet, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
42	Nishant Shah, Jyotirmay Banerjee and Akhaya Patra, Submerged Diffuser for Dispersion of Thermal Effluent in Lake, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
43	Rahul Vadrabade, Rohitsingh Gulia, Jyotirmay Banerjee, Numerical Analysis of Two-Phase Air-Water Flow Using OpenFOAM, 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
44	Abhishek Ballani, Rujal Patel and Jyotirmay Banerjee, Implementation of Ghost Fluid Method for VOF Framework, , 7th International and 45th National Conference on Fluid Mechanics and Fluid Power (FMFP) At: IIT Bombay, Mumbai, December 10-12, 2018.
45	Kathankumar Khalasi, Ashutosh Joshi, Jyotirmay Banerjee, Evaluation of droplet spread on surface using dynamic contact angle model, Twelve International Conference on Thermal Engineering: Theory and Applications At: PDPU Gandhinagar, Gujarat, India, Feb 23-26 2019.

MECHANICAL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Name of the Journal, Publisher, Page nos, Year*/
46	Bhavesh Vaghela, Digant Mehta, Manish Rathod, Jyotirmay Banerjee, Augmentation of heat transfer in horizontal shell and tube type latent heat storage, Twelve International Conference on Thermal Engineering: Theory and Applications At: PDPU Gandhinagar, Gujarat, India, Feb 23-26 2019.

(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	S.M. Waysal, Dr. Y. D. Patil, Dr. B. Z. Dholakiya, Sustainable mortar production by utilizing post consumed PET waste and copper slag, National Conference on Advances in structural Technologies (CoAST-2019) at NIT Silchar, February 1 st to 3 rd , 2019, Abstract-11.
02	Azazahamad A. Kureshi, Chirag Dholakiya, Tabaruk Hussain, Amit Mirgal, Siddhesh P. Salvi, Pritam C. Barua, Madhumita Talukdar, C. Beena, Ashish Kar, T. John Zachariah, Premalata Kumari , Tushar Dhanani, Jinal Patel, Raghuraj Singh and Satyanshu Kumar, Comparative profiling of hydroxycitric acid of fruit juice of five Garcinia species from India, XXVIII Annual Conference of Indian Association for Angiosperm Taxonomy and International Symposium on Conservation of Angiosperm Diversity: Hidden Treasure of Today and Tomorrow-2018. Venue: Department of Botany, Faculty of Science, The Maharaja Sayajirao University of Baroda, Vadodara, 29th-31st October, 2018, 137, XXVIII.
03	Ayushi Patel, Dhara Morawala, Dharmesh Lathiya, Brijesh Shah, Kalpana Maheria, "Ti - ATMP catalyzed esterification reaction of levulinic acid to produce value added chemical" at National seminar on Organic Transformations and Catalysis", NSOTC-2018, CSIR-CSMCRI, Bhavnagar held on 27 th September 2018. (Poster presentation)
04	Dhara Morawala, Dharmesh Lathiya, Ajay Dalai, Kalpana Maheria, paper entitled, "Synthesis, characterization of meso H-BEA and meso ZSM-5 and comparative study of their physico-chemical characteristics and catalytic activity towards synthesis of n-butyl levulinate" National seminar on frontiers in heterogeneous catalysis" HETCAT-2018, Grand Mercure (Surya Palace) Opp. Parsi Agiary, Sayajigunj Vadodara held on 8 th - 9 th December 2018. (Poster presentation)
05	Jenifer J. Gabla, Sunil R. Mistry, Kalpana C. Maheria, "A novel synthesis of micro-meso zeolite H-BEA / H-ZSM-5 composite material and its application in green synthesis of biologically active 2, 4, 5-triphenyl-(1H)-imidazole scaffolds through Lophine MCRs", at Indian Association for Canadian Studies sponsored 32 nd International Conference on Indo - Canadian Multidisciplinary Research: Trends and Prospects, 28 th - 29 th December 2018, at Institute of Infrastructure Technology Research and Management (IITRAM), Ahmedabad, Gujarat, India. (Oral presentation)
06	Rishav Krishna, Henilkumar Lankapati, Dhara Morawala, Kalpana Maheria, "Al-MCM-22 Catalyzed Esterification of Levulinic Acid for the Production of a Value Added Chemical" at 17 th National Workshop on Catalysis for Clean Energy and Sustainable Future on 31 st May to 1 st June, 2019, IIT Delhi, New Delhi, INDIA. (Oral presentation) (Poster presentation)
07	Suban K Sahoo, Potential applications of vitamin B6 cofactors conjugated nanomaterials in the field of sensing and biosensing, 32 nd Annual conference of Orissa Chemical Society, NIST, Berhampur, Odisha, 23 rd -24 th December 2018.

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/
01	Rashik Shah, Jayesh M. Dhodiya, 23rd STE State annual faculty Convention 2018 with National conference on Role of Innovation and Human values in Engineering and

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i>
	Technology” Jointly organized by ISTE and SSASIT, Surat ISBN:978-93-5346-457-8
02	Presented a paper, “ELT in Engineering Classrooms: Barriers and Some Solutions in National seminar on ELT in India: Multiple readings, organized by Dept of English, VNSGU on 12th Feb 2019.
03	Presented a paper (in absentia) with Anila A. Pillai, “Revamping women in Mahabharata: a drive to the real forces; a probe to what led to action, that led to perception in National seminar on History, myth and orality cultural and literary traditions in India, organized by Dept. of English, BHU, Varanasi on 14-15 Nov. 2018.
04	Bhumika G. Choksi, Twinkle R. Singh, Rajiv K. Singh, An Approximate Solution of Fingering Phenomenon Arising in Porous Media by Successive Linearisation Method, Numerical Heat Transfer and Fluid Flow, NIT, Wrangle, DOI https://doi.org/10.1007/978-981-13-1903-7_1 , Springer, 1-8, 2018 (December),
05	J. Kesarwani, R. Meher: Motion of Immiscible liquids in fractured porous media with inclination and gravitational effects. International conference on Mathematical modelling and Computations, South Asian University, New Delhi during 01-03 Dec-2018.

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

APPLIED MECHANICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i>
01	Mohit Mistry, Tejaswani Shukla, P. Venkateswalu, Shruti Shukla, Chandresh Solanki, Sanjay Kumar Shukla, A New Mixing Technique for Randomly Distributed Fibre-Reinforced Expansive Soil, EGRWSE, 2018 (NIT Jalandhar) Environmental Geotechnology, LNCE, Springer, Singapore
02	Anand V. Reddy, Solanki C. H, Shailendra Kumar, Krishna R. Reddy, Understanding Speciation and Leaching of Heavy Metals from a Polluted Site, Surat, Gujarat, EGRWSE, 2018 (NIT Jalandhar) Environmental Geotechnology, LNCE, Springer, Singapore
03	P. Venkateswarlu, E. P. Krishnaveni, D. Bishnoi, C. H. Solanki, S. K. Shukla, Enhancement of shearing strength of poorly graded sand by using modified waste rubber tyre fibers, EGRWSE, 2018 (NIT Jalandhar) Recycled Waste Materials, LNCE, Springer, Singapore
04	Tejaswani Shukla, Mohit Mistry, Chandresh Solanki, Sanjay Kumar Shukla, Shruti Shukla, Influence of randomly distributed waste tire fibres on swelling behaviour of expansive soils in Surat, Indian Geotechnical Conference, Bangalore, 13-15 December, 2018, Springer
05	Mohit Mistry, Shruti Shukla, Chandresh Solanki, Sanjay Kumar Shukla, Effect of Discrete Reinforcement and Placement on Unconfined Compressive Strength of Clay Reinforced with Waste Fibre, TRACE, 2018(Noida) Advances in Sustainable Construction Materials and Geotechnical Engineering, 23-24 August, 2018
06	Venkateswarlu, P., Shukla, T., Mistry, M., Solanki, C.H. and Shukla, S.K., Compressive strength behavior of stratified layers of unreinforced and randomly distributed tire fiber-reinforced clayey soil., Second International Conference on Advances in Concrete, Structural and Geotechnical Engineering (BITS, Rajasthan)
07	Angadi, S., Hiravennavar, A., Desai, M. K., Solanki, C. H., and Dodagoudar, G. R., Development of Gutenberg-Richter Recurrence Relationship Using Earthquake Data, Green Buildings and Sustainable Engineering, Springer, Singapore
08	Ankit Sodha, Sandip A. Vasanwala, Devesh Soni, S. Kumar, “A comparative study of Seismic Response of Structure isolated with Triple Friction, Pendulum Bearing and Single Friction Pendulum Bearing under Different Hazard Level of Earthquake”, National Conference on

APPLIED MECHANICS DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page nos, Year*/</i>
	Advances in Structural Technologies, National Institute of Technology Silchar (CoAST-2019), Feb 1-3, 2019, page 688-699
09	Sodha A., Vasawala S., Soni D., Kumar S., Kanan Thakkar, "Analytical Study of Triple Friction Pendulum Under a Different Hazard Level of Earthquakes", Advances in Structural Engineering and Rehabilitation, Amity University, Noida, Aug 23-24, 2018, Vol. 38, page 105-111.
10	Akshaykumar M. Bhoi, Yogesh D. Patil, Hemant S. Patil, and Madhav P. Kadam, "Properties of sustainable mortar with copper slag at varying cement content", COAST 2019, NIT Silchar
11	Aniket Shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Behaviour of profiled deck composite slab: state of art report", UKIERI CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
12	Aniket Shirgaonkar, Dr. Yogesh D. Patil, Dr.H. S. Patil, "Finite element analysis of shear connectors in profiled deck composite floor", COAST-2019, NIT Silchar
13	Anand Zanwar, Dr. Yogesh D. Patil, "Utilization of glass powder as a cementitious material in mortar", UKIERI CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
14	Dipak Nathe, Dr. Y. D. Patil, "Assessment of residual strength of normal concrete at elevated temperatures after hot and normal water quenching" UKIERI CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
15	Satish M. Waysal, Yogesh D. Patil, Bharatkumar Z. Dholakiya, "Recyclability Of Pet Waste In Sustainable mortar Production", UKAIRI, CONCRETE CONGRESS, Jalandhar, 5-8 March 2019
16	Aniket Shirgaonkar, Dr. Yogesh D. patil, Dr.H. S. Patil, "Finite element analysis of profiled deck composite slab using ANSYS", TRACE 2018, Amity, Noida
17	Anand Zanwar, Dr. Yogesh D. Patil, "Enhancement of sustainable mortar by using fine waste glass powder", TRACE 2018, Amity, Noida
18	Dipak Nathe, Dr. Y. D. Patil, "Performance of normal concrete at elevated temperatures after air cooling", SEC 2018, Calcutta, December 19 - 21, 2018
19	Satish M. Waysal, Dr. Yogesh D. Patil, Dr. Bharatkumar Z. Dholakiya, "Utilization Of PET Resin As Cement Substitute", SEC 2018, Calcutta December 19 - 21, 2018
20	Satish M. Waysal, Dr. Yogesh D. Patil, Dr. Bharatkumar Z. Dholakiya, "Sustainable mortar production by utilizing post consumed PET waste and copper slag", COAST 2019

CIVIL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</i>
01	Priyank Sharma & P L Patel, Climate Elasticity of Streamflow in Upper Tapi Basin, India. National Conference on "Next Frontiers in Civil Engineering: Sustainable and Resilient Infrastructure" organized by Department of Civil Engineering, Indian Institute of Technology Bombay during Nov. 30 - Dec. 01, 2018. 205-206
02	Vijendra kumar and S. M. Yadav "Optimizing Reservoir Capacity, water allocation & crop yield using Teaching Learning Based Optimization (TLBO) technique", 1st National Conference on Emerging Research and Innovations in Civil Engineering, 15th-16th February, 2019.
03	K.B. Patel and S. M. Yadav "Development of 2D Unsteady Hydraulic Model of Purna river basin for flood inundation mapping" 1st National Conference on "Emerging Research and Innovations in Civil Engineering", GEC, Surat, Gujarat 15-16 February, 2019.
04	Zalak Lukhi, Darshan Mehta, and S M Yadav. "Dam Break Analysis: A Case Study of Ukai Dam.". Proceedings in 2nd National Conference on Recent Research and Development in Core Disciplines of Engineering, VIET, Vadodara 2nd April, 2019.
05	Hiran Dhola, Darshan Mehta, and S M Yadav. "Hydrologic Modelling of Semi-Arid River

CIVIL ENGINEERING DEPARTMENT	
No.	/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/
	Basin" Proceedings in 2nd National Conference on Recent Research and Development in Core Disciplines of Engineering, VIET, Vadodara 2nd April, 2019.
06	Ninad Gore, Nishant Pawar, Shrinivas Arkatkar, Gaurang Joshi and Ashish Bhaskar, Exploring Credentials of Wi-Fi Based Sensors under Mixed Traffic Conditions, Recent Advances in Traffic Engineering, SVNIT Surat, 2018
07	Narayana Raju, Geetashree Paul, Shrinivas Arkatkar and Gaurang Joshi , A Machine Learning Based Patterning Driving Behavior with Extended Trajectory Data Under Heterogeneous Traffic Conditions, Recent Advances in Traffic Engineering, SVNIT Surat, 2018
08	Avinash Chaudhari, Ninad Gore, Shrinivas Arkatkar, Gaurang Joshi and Manoranjan Parida, Developing Pedestrian Warrants for Urban Mid-Block Crossings under Mixed Traffic Conditions, Recent Advances in Traffic Engineering, SVNIT Surat, 2018
09	Rushikesh Amrutamanvar, Gaurang Joshi , Shrinivas Arkatkar and Chalumuri Ravisekhar, Empirical Travel Time Reliability Assessment of Indian Urban Roads, Recent Advances in Traffic Engineering, SVNIT Surat, 2018
10	Krishna Saw, Bhimaji Katti and Gaurang Joshi , Fuzzy Rule Based Travel Time Estimation Modelling: A Case Study of Surat City Traffic Corridor, Recent Advances in Traffic Engineering, SVNIT Surat, 2018
11	Samir Patel, Bhasker Bhatt, Chetan Patel, Gaurang Joshi and Rajesh Pandya, An Approach Towards Sustainable Transportation: A Case Study Of Public Bike Sharing System Planning Along With BRTS Corridor In Surat City, 6 th National Colloquium on Transportation System Engineering and Management, SVNIT Surat, 2019.
12	Hardik Gajera, Nandan Dawda, Sanjay Dave, Gaurang Joshi , Shrinivas Arkatkar, Evaluating Operational Performance of City Bus Transit Service Using TCQSM Guidelines: A Case Study of Surat City, 6 th National Colloquium on Transportation System Engineering and Management, SVNIT Surat, 2019.
13	Vikram Singh, Ninad Gore, Shrinivas Arkatkar, Gaurang Joshi , Examining Travel Time Variability using Wifi Detection, 6 th National Colloquium on Transportation System Engineering and Management, SVNIT Surat, 2019.
14	Narayana Raju, Shrinivas Arkatkar, Gaurang Joshi , Procedural Approach for Modelling Mixed Traffic with Calibrated Car Following Models, 6 th National Colloquium on Transportation System Engineering and Management, SVNIT Surat, 2019.
15	Haresh Golakhiya, Ritvik Chauhan, Ashish Dhamaniya, 1st National Conference on Emerging Research and Innovations in Civil Engineering. Indian Road Congress-Young Conference, Nagpur, 27th-28th October, 2018.
16	Hareshkumar Dahyabhai Golakiya, Ritvik Chauhan and Ashish Dhamaniya, Pedestrian Risk Analysis at Undesignated Urban Midblock Section, 3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), 11 th -12 th August, 2018
17	Hareshkumar Dahyabhai Golakiya, Ritvik Chauhan and Ashish Dhamaniya, Behavioural analysis of pedestrian and vehicular drivers during conflict at undesignated mid-block crosswalks, 3 rd National Conference on Recent Advances in Traffic Engineering (RATE 2018), 11 th -12 th August, 2018
18	Yogeshwar Navandar, Chintaman Bari, Ashish Dhamaniya, Waiting Time Distribution Analysis at Toll Plazas under Mixed Traffic Conditions, Sixth Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), 14 th - 15 th June 2019
19	Chintaman Bari, Yogeshwar Navandar, Ashish Dhamaniya, Acceleration and Deceleration Characteristics of Light and Heavy Commercial Vehicles at Manually Operated Toll Plazas, Sixth Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), Surat, 14 th - 15 th June 2019
20	Bhaveshkumar N. Parmar, Hareshkumar Dahyabhai Golakiya, Pinakin N. Patel, Ashish Dhamaniya, Laxmansinh B. Zala, Empirical Analysis of Pedestrians Perception at Undesignated Pedestrian Crossing Midblock Section, Sixth Colloquium on Transportation Systems Engineering and Management (CTSEM-2019), Surat, 14 th - 15 th June 2019
21	Hareshkumar Dahyabhai Golakiya and Ashish Dhamaniya, To Study Traffic Characteristics of Urban Midblock Section Influenced by Crossing Pedestrians under Mixed Traffic Conditions, 1 st National Conference on Emerging Research and Innovations in Civil

CIVIL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</i>
	Engineering, Surat, 15 th – 16 th February 2019
22	Lukman, E., and D. A. Patel , "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, 26(1), ISSN 2349-7475, Indian Building Congress (IBC), Udaipur, Rajasthan, 2018
23	Nandini Moondra, Robin A Christian, Namrata D Jariwala " Evaluating the sustainability of constructed wetland in river water treatment: A review" , 51th Annual convention of Indian water works Association at Indore , 18 th -20 th January-2019.
24	Azaz Pathan and Agnihotri P G Integrated Approach for Flood Modeling using ArcGIS, HEC-GEO-RAS Software: A case study on Purna River Basin, Navasari District, Gujarat, INDIA, National Conference on "Emerging Research and Innovation in Civil Engineering" February, 2019
25	Bhumi Patel and Agnihotri P G, Application of Remote Sensing and GIS in Cropping Pattern Mapping: A case study of Olpad Taluka, Surat, National Conference on "Emerging Research and Innovation in Civil Engineering" February, 2019

CHEMICAL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</i>
01	Patel A Y, Mungray A A , Mungray A. K., "Draw Agents and Its Applications in Osmotic Microbial Fuel Cell", presented in National conference at COE Pune, on 1 st March, 2019.
02	Bhagat, M. S, Mungray, A. A. , and Mungray, A. K., "NF-Like Forward Osmosis Membrane: A Review" presented in National conference at COE Pune, on 1 st March, 2019.
03	Chhatbar, M., Mungray, A. A., and Mungray, A.K. , "Microbial Electrolysis Cell: Future Of Waste Treatment With Hydrogen Production", presented in National conference at COE Pune, on 1 st March, 2019.
04	Arkatkar A., Mungray, A.K. , oral presentation on "Initial Bioelectrochemical Behaviour of Microbial Fuel Cell with Biocatalytic Co-Culture Inoculum" at NIT GOA on 13 -16 November 2018.
05	Jain Suransh, Mungray, A.K. , poster presented on "Development of economically viable earthen membranes using cation exchangers and nafion solution for enhancing the performance of microbial fuel cells" at NIT GOA on 13 -16 November 2018
06	Alok Tiwari, Mungray, A.K. , Mungray, A.A. , poster presented on "Polyaniline/SnO2 composite electrode for the enhancement of oxygen reduction reaction in Microbial fuel cell" at NIT GOA on 13 -16 November 2018
07	Z.V.P.Murthy , Advances in nanofiltration membrane separation. Published in "ASSET-2018": ASSET Bulletin on Membrane Separations: Water / Wastewater Treatment, Perspectives in Separation Science, Ed. P.K. Mohapatra, BARC, Mumbai. pp.56-62.
08	Saurabh C. Singh, Shashank Wankhade, Kuldeep Mamtani, Z.V.P. Murthy , Modified UF Membranes for Hemicellulose Separation. Presented at the DAE-BRNS Biennial Symposium on Emerging Trends in Separation Science and Technology (SESTEC-2018), held at BITS-Pilani, Goa, during May 23-26, 2018. (MST-9, page 83)
09	Ashwin R. Kamble, Chetan M. Patel and Z.V.P. Murthy , Effects of Inorganic Additive of Two-Dimensional Hexagonal Boron Nitride on the Gas Separation/Permeation for PVDF Derived Membranes. Presented at the DAE-BRNS Biennial Symposium on Emerging Trends in Separation Science and Technology (SESTEC-2018), held at BITS-Pilani, Goa, during May 23-26, 2018. (MST-31, page 105)

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

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

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

MECHANICAL ENGINEERING DEPARTMENT	
No.	<i>/*Authors, Title of the Paper, Proceedings of the Conference, Venue, Publisher, Page Nos, Year*/</i>
01	Narale M. N., Kulkarni S. G., Menghani J. V., Lal A., Experimental investigation and optimization of multiple performance characteristics of Al-Mica-B4C hybrid reinforced composite in drilling operation, ICONN 2019, 19763-19772. (Materials Today: Proceedings)
02	Lal A., Markad K., Mechanically induced buckling analysis of CNT reinforced laminated composite plate, ICEECS, 2018, 109-114.
03	Lal A., Mishra K., Buckling analysis of layered composite plate with integrated piezoelectric layers, ICCMIE, 2018, 22-26.

(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	Prof.V.H.Pradhan Dr. Jayesh M. Dhodiya	Regional Workshop on Mathematical Modelling in Engineering and Medicine under The Indian Mathematical Consortium and SVNIT	Self-financed	1 Day
02	Dr. H. P. Bulsara	TEDxSVNIT	Self financed	2 nd September, 2018
03	Dr. R. K. Jana	A workshop on "Introduction to Linux"	Self financed	18.08.2018
04	Dr. R. K. Jana	"A One day Workshop on Latex"	Self financed	02.09.2018
05	Dr. R. K. Jana	Weekly seminar IntERAct (Internship Experience and Research Activities), Eleven (11) seminars have been conducted in 2018-19.	Self financed	29.08.2018 11.09.2018 16.10.2018 23.10.2018 30.10.2018 30.01.2019 06.02.2019 13.02.2019 27.03.2019 03.04.2019 10.04.2019
06	Dr. R. K. Jana	2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019) [Technical Program Committee Member]	Haldia Institute of Technology, West Bengal	March 07-09, 2019
07	Dr. R. K. Jana	Orientation Programme for 1st year students	AMHD, SVNIT	05.09.2018

Applied Mathematics And Humanities Department				
Sr. No.	Faculty	Name Of Programme	Sponsoring Agency/ Self Financed	Period
		of AMHD		
08	Dr. R. K. Jana	Music event "Sarang" under the banner of SPICMACAY	SPICMACAY, SVNIT	28.08.2018
09	Dr. R. K. Jana	Logo design competition for AMHD	AMHD, SVNIT	30.08.2018-04.09.2018
10	Dr.V.H.Pradhan (Secretary, GAMS)	International Conference on New Frontriers in Mathematics and Symposia on I-function and its Applications & Mathematics in Data Science on the occasion of Silver Jubilee Year of Gwalior Academy of mathematical Sciences(GAMS)	School of Mathematics & Allied Sciences, Jiwaji University, Gwalior and The Indian Mathematics Consortium	Dec. 11-13 2018
11	Prof. V.H.Pradhan Dr. Jayesh M. Dhodiya	Regional Workshop on Mathematical Modelling in Engineering and Medicine under The Indian Mathematical Consortium and SVNIT	The Mathematics Consortium(TMC) & Department of Applied Mathematics & Humanities, SVNIT, Surat	15 th May, 2019
12	Dr. Sushil Kumar, Dr. Bharat Dholakiya	2 - Day Workshop on MATLAB,	SCOSH, SVNIT Surat	20 th -21st October, 2018
13	Dr. Sushil Kumar, Dr. Bharat Dholakiya	INQUEST 3.0	SCOSH, SVNIT Surat	

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. C H Solanki	One -Day short course on Fiber Reinforced Soil and its Applications	IGS Surat Chapter	One Day
02	Dr. C H Solanki	2nd Arvind Verma Memorial Lecture	AIMIL, Ltd.	One Day
03	Prof A J Shah	Swatchhata Pakhwada	SVNIT, Surat	10/09/2018 to 24/09/2018

CIVIL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	Dr. P. L. Patel	Hydrological Modelling using SWAT including Parametric Uncertainty and Sensitivity Analysis	INCCC, Ministry of Jal Shakti, Department of Water Resources, River Development and Ganga Rejuvenation	Feb. 08-09, 2019
2	Dr. S. M. Yadav	Flooding in cities Warning & Dissemination	DHI	20th Aug, 2018 to 21st Aug, 2018
3	Dr. S. M. Yadav	Recent Advances in Flood Modelling	TEQIP-III	3rd Dec, 2018 to 7th Dec, 2018
4	Dr. G. J. Joshi	2 nd AITD Training Programme Road Safety Engineering Measures	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India	16-07-2018 to 20-07-2018
5	Dr. G. J. Joshi	Recent Advances in Traffic Engineering (RATE -2018)	NRRDA SMC	11-08-2018 to 12-08-2018
6	Dr. G. J. Joshi	3 rd AITD Training Programme Road Safety Engineering Measures	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India	24-09-2018 to 28-09-2018
7	Dr. G. J. Joshi	First AITD Training Programme Road Safety Audit	Asian Institute of Transport	22-10-2018 to 26-10-2018

CIVIL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
			Development (AITD), Ministry of Road Transport and Highways, Govt. of India	
8	Dr. G. J. Joshi	6th Conference on Transportation Systems Engineering and management (CTSEM-2019),	RanjitBuildcon KKB Projects Pvt. Limited Unitrans Mobility Solutions	14-06-2019 to 15-06-2018
9	Dr.K.D.Yadav	Short Term Training Programme on Environmental Auditing Made Easy: Basics and Analytical Test Procedure	GPCB	3-7 July
10	Dr.K.D.Yadav	International workshop on Developing Advanced & Sustainable Municipal/Industrial Wastewater Management System. Multi-stakeholder perspective	SVNIT	14 Sep, 2018
11	Dr.K.D.Yadav	Regional Workshop for Orientation of Participating Institutes to Initiate Work in Adopted Village Clusters for Western Region	SVNIT	4 th Dec, 2018
12	Dr.K.D.Yadav	SPMG-UK delegation and SVNIT, Surat interaction program.	SVNIT	3th Sep, 2018
13	Dr.K.D.Yadav	Regional Workshop on Planning of Unnat Bharat Abhiyan Activities for Participating Institutes	SVNIT	22 June 2019
14	Dr.K.D.Yadav	Training for trainers on Wastewater treatment plant Technician and Helper	Ahmedabad	6-8 October 2018
15	Dr. S.S.Arkatar	Recent Advances in Traffic Engineering (RATE -2018)	NRRDA SMC	11-8-2018 to 12-08-2018
16	Dr. S.S.Arkatar	6th Conference on Transportation Systems Engineering and management (CTSEM-2019),	Ranjit Buildcon KKB Projects Pvt. Limited Unitrans Mobility Solutions	14-6-2019 to 15-06-2018
17	Dr. S.S.Arkatar	AITD Training Programme Road Safety Engineering Measures	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India	16-7-2018 to 20-07-2018
18	Dr. S.S.Arkatar	AITD Training Programme Road Safety Engineering Measures	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India	24-9-2018 to 28-09-2018
19	Dr. S.S.Arkatar	First AITD Training Programme Road Safety Audit	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India	22-10-2018 to 26-10-2018
20	Dr. S.S. Arkatar	GIAN course titled "Effective Practices in Road safety: Prevention is better than cure" during	Ministry of HRD, GIAN office at IIT Kharagpur	6-8- 2018 to 10-08-2018
21	Dr. A. Dhamania	6 th Colloquium on Transportation Systems Engineering and Management	ARC, SVNIT- Surat	14-15 May 2019
22	Dr. A. Dhamania	Third AITD Training Programme on Road Safety Engineering Measures	SVNIT-Surat	16-20 Sept. 2018
23	Dr. A. Dhamania	Second AITD Training Programme on Road Safety Engineering Measures	SVNIT-Surat	16-20 July 2018
24	Dr. P. L. Patel Dr. P. V. Timbadiya	Hydrological Modelling using SWAT including Parametric Uncertainty and Sensitivity Analysis	Sponsored by INCCC	February 08-09, 2019
25	Dr. V. L. Manekar Dr. P. V. Timbadiya	Simulation Solutions for Engineering Applications (SSEA 2019)	TEQIP-III	March 11-15, 2019
26	Dr. D A Patel	Surat Heritage Symposium and Photo Exhibition	Indian Council of Historical Research New Delhi Surat	8 – 14 September 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	2-Day Workshop on Outcome based Education and NBA Accreditation	sponsored by TEQIP-III organized by Computer Engineering Department, SVNIT, Surat	March 15-16, 2019
2	Dr. K. N. Jariwala	Deep Learning Applications (DLA-2019)	TEQIP-III	18 – 22nd June 2019

ELECTRONICS ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	Dr (Mrs.) U D Dalal Dr (Mrs.) S.N. Shah	1 day seminar –Keysight Education symposium 2018—RF solutions , EMC EMI testing etc. towards 5G solutions	Keysight Technologies	18 Sept 2018
2	Dr (Mrs.)U D Dalal Dr (Mrs.) S.N. Shah Dr. B P Pandey	One Week Short Term Training Program on “GLOBAL NAVIGATION SATELLITE SYSTEMS”	TEQIP III	24-28 June 2019
3	Dr A. D. Darji	Indian internet research and engineering forum (IIREF) organized by C-DAC, in collaboration with ECED, SVNIT	C-DAC	15 May 2019
4	Dr (Mrs.) S.N. Shah	On week TEQIP-III sponsored STTP on “Global Navigation Satellite Systems”, ECED, SVNIT	TEQIP-III	24-28 June 2019.
5	Prof. P. J. Engineer	One week workshop on “Robotics & IoT” jointly ECED, SVNIT Surat & EICT Academy,	MNIT Jaipur	June 17-21, 2019

ELECTRICAL ENGINEERING DEPARTMENT				
No.	Faculty	Name of Programme	Sponsoring Agency / Self financed	Period
1	Dr. Sabha Raj Arya Dr. Rakesh Maurya Dr. Khyati D. Mistry Dr. Varsha A. Saha	Power Electronics For Distribution System and Electric Drives, June-July 2018	TEQIP-III	25 th June-4 th July 2018
2	Dr. Annadita Chowdhury, Dr. PrasantaKundu, Dr. Pranav Darji. Dr. Vasundhara Mahajan	Computer Aided Techniques for Electrical Machines and Power Systems,	TEQIP phase III	11 – 21 June, 2018
	Dr. H.R. Jariwala	Project based Learning of Power Electronics Systems” was conducted at Department of Electrical Engineering, SVNIT, Surat	TEQIP phase III	1-3, 8-9 September, 2018
	Dr. H.R. Jariwala	Mathematical Modelling and Software Simulation for Power Systems and Electrical Machines, at EED, SVNIT, Surat	TEQIP phase III	10-20 June-2019

MECHANICAL ENGINEERING DEPARTMENT				
No.	Name of Faculty	Name of Programme	Sponsoring / Agency / Self financed	Period
1.	Dr. R. V. Rao	International Conference on Advanced Engineering Optimization Through Intelligent Techniques, 3-5 August 2018, SVNIT Surat, India.	Self-financed	3-5 August 2018.
2.	Dr. H. K. Dave	Hackthon DotSlash- Root to ideas	ASHINE, SVNIT, Surat	2 Days
3.	Dr. D. V. Bhatt	FDP-Innovation and entrepreneurship development (STTP)	Self-sustained	30 July – 3 Aug. 2018
4.	Dr. D. V. Bhatt	Value based Ethical youth development for global skills & entrepreneurship	Self-sustained	18-19 Jan. 2019
5.	Dr. Rupesh Shah	Advances in Aerospace Research	Aerospace Resource Panel of ARDB New Delhi	11-12 February 2019
6.	Dr. M. K. Rathod	Regional Workshop for Orientation of Participating Institutes to Initiate Work in Adopted Village Clusters	UBA	Dec. 4, 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
01	Dr. Naved I Malek	Ionic Liquids: Applications Revisited	11th National Conference On Recent Trends in Chemical and Environmental Sciences -2019, Punjabi Univeristy, Patiala, Punjab, India on 08-01-2019
02	Dr. Naved I Malek	An Effective cell-mimetic longogels for the Drug Encapsulation	Jawaharlala Nehru University, 17-11-20218.
03	Dr. Kalpana Maheria	Mesoporous zeolite betacatalyzed Mannich MCRs forthe synthesis of β – aminocarbonyl compounds	At department of Chemistry, Universityof Saskatchewan, SK Canada, on 6/11/2018
04	Dr. Kalpana Maheria	Synthesis and characterization Mesoporous Zeolite Beta andtheir application as solid acidcatalyst for the synthesis ofbiologically active molecules	At department ofChemical andbiological Engineering, University of Saskatchewan, SK, Canada, on 8/11/2018
05	Dr. Kalpana Maheria	“Recent advances and applications of meso zeolites”	At national conference onRecent on MaterialSciences,(NCRAMS –2018, Faculty of Science,MSU, Vadodara on 23/11/2018
06	Dr. Kalpana Maheria	Synthesis and characterizationof mesozeolites and theirapplications as heterogeneouscatalysts in organictransformations	At national seminar on frontiers in heterogenous catalysis (HETCAT – 2018) held at Deptt. of Chemistry, Faculty of Science.MSU, Vadodara andCatalysis Society ofIndia on 8/12/2018
07	Dr. Premlata Kumari	Medicinal plants in tackling the diseases of public health importance	Winter School on "Processing Value Addition and Waste Utilization of Medicinal and Aromatic Plants with Advance Techniques, ICAR Venue: DMAPR, Anand, 19 Dec 2018
08	Dr. Ketan C. Kuperkar	Presented poster	International workshop: Polyelectrolytes in Chemistry, Biology and Technology during 12-14 March 2018 at Nanyang Technological University, SINGAPORE.
09	Dr Suban K Sahoo	Computational tools and NMR	Refresher course on elementary quantum mechanics and spectroscopy, Applied Physics Department, SVNIT
10	Dr Suban K Sahoo	Developing new approaches using vitamin B6 cafactor conjugated nanoparticles for the optical detection of alkaline phosphatase activity in biological samples	International conference on 'Chemical and biological sciences in drug discovery-2019', Berhampur University, Odisha, 8-10 th March 2019

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Prof.V.H.Pradhan Dr. Jayesh M. Dhodiya	Regional Workshop on Mathematical Modelling in Engineering and Medicine under The Indian Mathematical Consortium and SVNIT	1 Day
2	Dr. H. P. Bulsara	TEDxSVNIT	2 nd September, 2018
3	Dr. R. K. Jana	A workshop on “Introduction to Linux”	18.08.2018
4	Dr. R. K. Jana	“A One day Workshop on Latex”	02.09.2018
5	Dr. R. K. Jana	Weekly seminar IntERAct (Internship Experience and Research Activities), Eleven (11) seminars have been conducted in 2018-19.	29.08.2018 11.09.2018 16.10.2018 23.10.2018 30.10.2018 30.01.2019 06.02.2019 13.02.2019 27.03.2019 03.04.2019 10.04.2019
6	Dr. R. K. Jana	2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019) [Technical Program Committee Member]	March 07-09, 2019

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
7	Dr. R. K. Jana	Orientation Programme for 1st year students of AMHD	05.09.2018
8	Dr. R. K. Jana	Music event "Sarang" under the banner of SPICMACAY	28.08.2018
9	Dr. R. K. Jana	Logo design competition for AMHD	30.08.2018-04.09.2018
10	Dr.V.H.Pradhan (Secretary, GAMS)	International Conference on New Frontiers in Mathematics and Symposia on I-function and its Applications & Mathematics in Data Science on the occasion of Silver Jubilee Year of Gwalior Academy of mathematical Sciences(GAMS)	Dec. 11-13 2018
11	Prof. V.H.Pradhan Dr. Jayesh M. Dhodiya	The Mathematics Consortium(TMC) & Department of Applied Mathematics & Humanities, SVNIT, Surat	15 th May, 2019
12	Dr. Sushil Kumar, Dr. Bharat Dholakiya	SCOSH, SVNIT Surat	20 th -21st October, 2018
13	Dr. Sushil Kumar, Dr. Bharat Dholakiya	SCOSH, SVNIT Surat	

APPLIED PHYSICS DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. D. R. Roy	12 Lectures on 'Engineering Physics at IIIT SURAT	IIIT Surat (SVNIT Campus), April-May, 2019.

APPLIED MECHANICS DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Dr. C. H. Solanki	Soil Properties, Investigations & Interpretations	GEC, Surat, 11th June, 2019
2	Dr. C. H. Solanki	Soil Investigations for Foundations of Structures	FETR, Bardoli, 6th February, 2019
3	Dr. C. H. Solanki	Prediction of Foundation Settlement	BVM, V.V. Nagar, 1st December, 2018
4	Dr. C. H. Solanki	Soil Properties and Interpretations	Acropolis Institute of Technology and Research, Indore, 12th October, 2018
5	Dr. C. H. Solanki	Empirical Correlations for Compressibility Parameters	HJD Institute, Bhuj, September, 2018
6	Dr. C. H. Solanki	Soil Properties and Interpretations	Darshan Institute, Rajkot, September, 2018
7	Dr. C. H. Solanki	Geosynthetics and Its Applications	Parul University, Baroda, 2nd August, 2018
8	Dr. Satyajit Patel	Ground Improvement Techniques for problematic Soil	Indus Institute of Technology & Engineering, Ahmedabad. 10-12 Sept. 2018
9	Dr.B.Kondraivendhan	Corrosion in concrete and its measurement methods	VIT, Vellore, 4th Oct'2018
10	Dr.B.Kondraivendhan	Opportunities in Civil Engineering discipline	Annai Mira College of Engineering and Technology, Vellore, 4th Oct'2018
11	Prof A J Shah	Role of Individual in Swatchhata in Higher Education	At SVNIT Surat (Swatchhata Pakwada) on 18/09/2018
12	Dr Y D Patil	Recent Advances in Structures (Design of beam column junction)	Recent Advances in Structures (Design of beam column junction) Department of civil engineering, G H Patel college of Engineering and Technology, Vallabh Vidyanagar on 28/02/2019
13	Dr. C D Modhera	Advances in Concrete Technology	Parul University on 29.08.2018
14	Dr. C D Modhera	Concrete Admixture	Parul University on 29.08.2018
15	Dr. C D Modhera	Concrete Mix Design	SVNIT, Surat on 27.12.2018
16	Dr. C D Modhera	Repair and Rehabilitation of Concrete Structures	Parul University, 25/05/2019
17	Dr. C D Modhera	Repair and Rehabilitation of Concrete Structures	GEC, Surat, 13/06/2019
18	Dr. C D Modhera	Repair and Rehabilitation of Concrete Structures	Babaria Institute of Technology, Vadodara, 22/06/2019
19	Dr. C D Modhera	Recent Advances in Concrete Technology	S. N. Patel Institute of Technology & Research Centre, Umrah-Bardoli, Surat, 24/06/2019
20	Dr. S. R. Suryawanshi	Importance of material deformations in Mechanical Engineering	Govt. Polytechnic Nandurbar, Maharashtra. 3rd October 2018.

APPLIED MECHANICS DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
21	Dr G R Vesmawala	Analysis of Plane and Space Trusses	Conceptual Structural Mechanics, 8th February, 2019, School of Engineering, RK University, Rajkot.

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Place & Date of Programme
1	Dr. J. N. Patel	Opportunities in WRE for Civil Engineering	Nirma University, Ahmedabad, 03-01-2019
2	Dr. P. L. Patel	Hydrological routing of Floods in reservoirs and channels	MNIT Jaipur, May 14-18, 2019
3	Dr. P. L. Patel	Experimental Investigation on bed load transport of unimodal and bimodal sediments	NIT, Patna, Dec. 18-21, 2018
4	Dr. P. L. Patel	Measurement and Quantification of Flow Turbulence in Mobile Boundary Channels	University of Lucknow, Nov. 09-13, 2018
5	Dr. P. L. Patel	Hydrologic and Hydraulic Aspects of Storm network Drainage Design	IIT RAM, Ahmedabad, 17-20, September 2018
6	Dr. S.M. Yadav	Integration of Hydrologic & Hydraulic Modelling for simulation of recent flood of semi-arid region.	Bhagwan Mahavir Eng.College, Surat, Gujarat, 28th September, 2018
7	Dr. S.M. Yadav	Expert lecture and Hand on Exercise HEC-RAS software.	Shree Swami Aatamanand Sarasvati Institute of Technology, Surat, Gujarat, India 19th October, 2018
8	Dr. S.M. Yadav	Hydrodynamic Modelling of the Dredged Channel of Ghaghara River Reach.	Shree Swami Aatamanand Sarasvati Institute of Technology, Surat, Gujarat, India 20th October, 2018
9	Dr. S.M. Yadav	2-D Unsteady Flow Modelling.	SVNIT, Surat, Gujarat, India 27th October, 2018
10	Dr. S.M. Yadav	1-D Modelling of River Reach using HEC-RAS to Access Carrying Capacity.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
11	Dr. S.M. Yadav	Hand on Practices 1D Steady Flow using HEC-RAS.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
12	Dr. S.M. Yadav	Hand on Practices Watershed and Stream Network Delineation using ARC-GIS and 1D Unsteady Flow.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
13	Dr. S.M. Yadav	Integration of Hydrologic and Hydraulic Modelling for the simulation of Semi-Arid River Basin.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
14	Dr. S.M. Yadav	Hand on Practices 2D Flood Modelling using RAS-Mapper.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
15	Dr. S.M. Yadav	Hand on Practices Flood Hazard Assessment using AHP.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
16	Dr. S.M. Yadav	Hydrodynamic Modelling of the Dredged Channel in the Ghaghara River Basin.	SVNIT, Surat, Gujarat, India 03-07 December, 2018
17	Dr. S.M. Yadav	Flash Flood Forecasting.	S. & S. S. Gandhi GEC, Surat, Gujarat, India 15th February, 2019
18	Dr. S.M. Yadav	Flood Modelling	Jodhpur Institute of Engineering and Technology, Jodhpur, Rajasthan, India 15-16 March, 2019
19	Dr. S.M. Yadav	Design of water supply systems	CED, NIT Warangal, India 22nd May, 2019
20	Dr. S.M. Yadav	Advances in Civil Engineering for global sustainability.	S. & S. S. Gandhi GEC, Surat, Gujarat, India 10th June, 2019
21	Dr. S.M. Yadav	Flood Modelling	NIT Raipur, India 24th June, 2019
22	Dr. G. J. Joshi	Global and Indian Overview of Road Safety, Policy and Initiatives, Regulations	Second AITD Training Programme on Road Safety Engineering Measures, SVNIT
23	Dr. G. J. Joshi	Notions of Traffic Flow and Level of Service	Second AITD Training Programme on Road Safety Engineering Measures, SVNIT
24	Dr. G. J. Joshi	Traffic Calming Measures	Second AITD Training Programme on Road Safety Engineering Measures, SVNIT
25	Dr. G. J. Joshi	Road Safety Audit: Concept & Process	Second AITD Training Programme on Road Safety Engineering Measures, SVNIT
26	Dr. G. J. Joshi	Traffic Calming Measures	National Workshop on Road Safety through Traffic Calming Measures, AITD and Indian

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Place & Date of Programme
			Roads Congress, The Capitol Hotel, Bangaluru
27	Dr. G. J. Joshi	Comparative Overview of Global and Indian Road Safety Scenario	Third AITD Training Programme on Road Safety Engineering Measures, SVNIT
28	Dr. G. J. Joshi	Road Safety Audit: Concept & Process	Third AITD Training Programme on Road Safety Engineering Measures, SVNIT
29	Dr. G. J. Joshi	Non-Engineering Measures for Road Safety	Third AITD Training Programme on Road Safety Engineering Measures, SVNIT
30	Dr. G. J. Joshi	Principles of Safe Roads	First AITD Training Programme on Road Safety Audit, SVNIT
31	Dr. G. J. Joshi	Use of Checklists: Manual on Road Safety Audit; IRC SP 88 2010	First AITD Training Programme on Road Safety Audit, SVNIT
32	Dr. G. J. Joshi	Quality Assurance Handbooks and Quality Control Testing Procedures	3-Day Orientation programme for Provisionally Empanelled NQMs at Indian Academy of Highway Engineers, NOIDA,
33			
34	M Mansoor Ahammed	Use of water treatment sludge for pollution control	BVM Engineering College, Vallabh Vidya Nagar, Jan 9, 2019
35	M Mansoor Ahammed	Industrial Waste Management	PP Savani University, Ankleshwar, Jan 25, 2019
36	M Mansoor Ahammed	Recent Advances in Civil Eng	GCET, Vallabh Vidya Nagar, Feb 27, 2019
37	Dr.K.D.Yadav	MSW to Bio compost on Municipal Solid Waste Management for Smart City.	ISTE sponsored program, Pacific College of Engineering, Surat, 17-22 Dec, 2018
38	Dr. S.S.Arkatar	Human factors in Road Traffic Safety	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at Redfox Hotel Chandigarh for PWD Engineers from Chandigarh
39	Dr. S.S.Arkatar	Traffic control devices for Roads & Roadsides	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at Redfox Hotel Chandigarh for PWD Engineers from Chandigarh
40	Dr. S.S.Arkatar	Safety in Road Design- Road links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at Redfox Hotel Dehradun for PWD Engineers from Uttarakhand
41	Dr. S.S.Arkatar	Safety in Road Design-Junction	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at Redfox Hotel Dehradun for PWD Engineers from Uttarakhand
42	Dr. S.S.Arkatar	Vehicle and Road User Characteristics in Road Safety	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
43	Dr. S.S.Arkatar	Human Factor Analysis	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
44	Dr. S.S.Arkatar	Safety in Road Geometric Design - Road Links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
45	Dr. S.S.Arkatar	Safety in Road Design: Intersections, Interchanges & Rotaries	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
46	Dr. S.S.Arkatar	Intelligent Transport System for Road Safety Enhancement	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
47	Dr. S.S.Arkatar	Road Safety Audit Stages and Checklists	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
48	Dr. S.S.Arkatar	Vehicle and Road User Characteristics in Road Safety	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
49	Dr. S.S.Arkatar	Human Factor Analysis	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt.

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Place & Date of Programme
			of India at SVNIT Surat for PWD Engineers from Gujarat
50	Dr. S.S.Arkatar	Safety in Road Geometric Design - Road Links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
51	Dr. S.S.Arkatar	Safety in Road Design: Intersections, Interchanges & Rotaries	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
52	Dr. S.S.Arkatar	Intelligent Transport System for Road Safety Enhancement	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
53	Dr. S.S.Arkatar	Road Safety Audit Stages and Checklists	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
54	Dr. S.S.Arkatar	RSA design Stage and Case Studies	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
55	Dr. S. S. Arkatar	Design Stage RSA- Hands on Experience	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
56	Dr. S.S.Arkatar	RSA in Operational Stage and Case Studies	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
57	Dr. S.S.Arkatar	Pre-opening Stage RSA- case studies	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at SVNIT Surat for PWD Engineers from Gujarat
58	Dr. S.S.Arkatar	Safety in Road Design- Road links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at VNIT Nagpur for PWD Engineers from Maharashtra
59	Dr. S.S.Arkatar	Safety in Road Design: Intersections, Interchanges & Rotaries	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at VNIT Nagpur for PWD Engineers from Maharashtra
60	Dr. S.S.Arkatar	Safety in Road Design Junction and interchanges	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
61	Dr. S.S.Arkatar	Safety in Road design in Road links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
62	Dr. S.S.Arkatar	ITS and its Applications in road safety	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
63	Dr. S.S.Arkatar	Safety for VRUs and PWDs	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
64	Dr. S.S.Arkatar	Safety in Road design in Road links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
65	Dr. S.S.Arkatar	Safety for VRUs and PWDs	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
66	Dr. S.S.Arkatar	ITS and its Applications in road safety	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan

CIVIL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Place & Date of Programme
67	Dr. S.S. Arkatkar	Safety in Road design in Road links	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
68	Dr. S.S. Arkatkar	Safety in Road Design Junction and interchanges	Asian Institute of Transport Development (AITD), Ministry of Road Transport and Highways, Govt. of India at MNIT Jaipur for PWD Engineers from Rajasthan
69	Dr. A. Dhamania	System Approach to Road Safety	SVNIT, Surat Civil Engineering Department
70	Dr. A. Dhamania	Traffic Control Devices	SVNIT, Surat Civil Engineering Department
71	Dr. A. Dhamania	Roadside Safety	SVNIT, Surat Civil Engineering Department
72	Dr. A. Dhamania	Night-time Visibility Measures for Road Safety	SVNIT, Surat Civil Engineering Department
73	Dr. A. Dhamania	Road Safety Field Exercise	SVNIT, Surat Civil Engineering Department
74	Dr. A. Dhamania	Road Accident Data: Collection, Management and Analysis	SVNIT, Surat Civil Engineering Department
75	Dr. A. Dhamania	Road Signs & Signals	SVNIT, Surat Civil Engineering Department
76	Dr. A. Dhamania	Road Markings & Street lights	SVNIT, Surat Civil Engineering Department
77	Dr. A. Dhamania	Star Rating of Roads from Safety Perspective	SVNIT, Surat Civil Engineering Department
78	Dr. A. Dhamania	Road Safety : 4E Approach	SVNIT, Surat Civil Engineering Department
79	Dr. A. Dhamania	Road Safety Audit Reports & Responses	SVNIT, Surat Civil Engineering Department
80	Dr. P. V. Timbadiya	A 1D-2D Coupled hydrodynamic model for river flood prediction in urban coastal floodplain	DHI (India) Water & Environment Pvt. Ltd., and SVNIT-Surat August 20, 2018
81	Dr. P. V. Timbadiya	2D Hydrodynamic models for river flood prediction	Department of Civil Engineering, SS Gandhi Government Engineering College, Surat. July 17, 2018
82	Dr. P. V. Timbadiya	Water Distribution System Design-I	Department of Civil Engineering, SS Gandhi Government Engineering College, Surat. July 17, 2018
83	Dr. D A Patel	Road Safety Audit in Construction Stage and Case Studies	Asian Institute of Transport Development (AITD), at SVNIT Surat, 17 April 2018
84	Dr. D A Patel	Road Safety Audit in Construction Stage and Case Studies	Asian Institute of Transport Development (AITD), at SVNIT Surat, 17 April 2018
85	Dr. D A Patel	Road Safety Audit in Construction Stage and Case Studies	Asian Institute of Transport Development (AITD), at SVNIT Surat, 25 September 2018
86	Dr. D A Patel	Accident Prevention and Legal Liabilities	Bandhkam Mazdoor Sangathan, National Institute of Occupational Health (NIOH), Ahmadabad, 10 May 2019
87	Dr. D A Patel	An introduction of Structural Equation Modelling	SVNIT Surat, 4 June 2019
88	Dr Namrata Jariwala	Sampling ,Monitoring and Analysis methods for Water and Waste Water	Env. Engg Department GEC, Valsad, 17 th September- 2018.
89	Dr Namrata Jariwala	Heath Issues Related to MSWM	Pacific School Of Engineering, Palsana, Surat, 19 th December-2018.
90	Dr Namrata Jariwala	Health Risk Assessment using Fuzzy Rule Based System Approach	CED, BVM College of Engineering V V Nager, 9 th January-2019.
91	Dr Namrata Jariwala	Introduction to Hazardous Waste Management	Env. Engg Department GEC, Valsad, 15 th April, 2019.
92	Dr. B. N. Tandel	Noise Pollution: Basics and Control	Civil Engineering Department, Birla Vishwakarma Mahavidyalay, Anand.- 7 th Jan 2019
93	Dr. B. N. Tandel	Environmental Impact Assessment	Civil Engineering Department, Sarvajanik College of Engineering & Technology, Surat. - 5 th Oct 2018

CIVIL ENGINEERING DEPARTMENT			
No.	Name of Faculty	Title of Lecture	Place & Date
1	Dr. Mausumi Mukhopadhyay	Carbon nanotube-polymer nanocomposite membrane for desalination and water treatment	Department of Chemical Engineering, MMMUT Gorakhpur on March 28, 2019.
2	Dr. Mausumi Mukhopadhyay	Optimization of Green Synthesis of Gold Nanoparticles using <i>Delonix regia</i> Leaf Extract and Evaluation of their Catalytic Activity	Department of Chemical Engineering, MMMUT Gorakhpur on March 28, 2019.
3	Dr. A. K. Jana	Overview of Petroleum Refining	Department of Chemical Engineering, MMMUT Gorakhpur on March 28, 2019.
4	Dr. A. K. Mungray	Need of decentralization for wastewater treatment: Microbial Fuel Cells	College of Engineering Pune, Pune on March 1, 2019 during two days conference on Environmental Pollution Control and Management from 1st – 2nd March, 2019.
5	Dr. Z.V.P. Murthy	Membrane distillation-crystallization with polyvinylidene fluoride membranes: Recovery of pure water and crystalline product	CSIR-Central Salt and Marine Chemicals Research Institute, Bhavnagar, India on February 20 th , 2019.
6	Dr. Arvind Kumar Mungray	Sustainability of wastewater treatment	Chemical Engineering Department, CGPIT Maliba Campus, UTU Tarsadi during two days workshop on environmental Pollution Control and Safety in Process Industries from 4th – 5th January, 2019.
7	Dr. Z.V.P. Murthy	Application of Modified Polymeric Membranes for Anti-Fouling and Enhanced Performance	The 6 th IWA-Regional Membrane Technology Conference, IWA-RMTC 2018 (International Conference IWA-RMTC 2018), held at The Maharaja Sayajirao University of Baroda, Vadodara, Gujarat on 10-12 December 2018.
8	Dr. Meghal A. Desai	Principles of Green Chemistry & Engineering	S N Patel Institute of Technology and Research Centre, Umrakh, Bardoli (One day Seminar on “Recent Trends in Novel Separation Techniques”) on 3 rd August 2018.
9	Dr. Arvind Kumar Mungray	Sustainability in wastewater water treatment: Microbial Fuel cell	Civil Engineering Department under AICTER-ISTE approved STTP on “Smart and sustainable cities: A mission toward smart India” at Sandip Institute of Engineering & Management Nashik on 4 to 9 June 2018.
10	Dr. Alka A. Mungray	Basic to recent advances in membrane	Civil Engineering Department under AICTER-ISTE approved STTP on “Smart and sustainable cities: A mission toward smart India Sandip Institute of Engineering & Management Nashik on 4 to 9 June 2018.

COMPUTER ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty	Title of Lecture	Date of Programme
1	Mukesh A. Zaveri	Machine Learning and Hypotheses Testing	during 4th National Workshop on Machine Learning organized by Department of Computer Science and Engineering ITM Universe, Vadodara, Gujarat (18-23 June 2018) on 20 June 2018
2	Mukesh A. Zaveri	Introduction to Machine Learning	on the occasion of Engineer’s Day Celebration, Event theme: Emerging Technologies at Larsen and Toubro, Hazira, Surat, 14 September 2018
3	Mukesh A. Zaveri	Basics of Machine Learning	during GUJCOST & DST sponsored STTP on Machine Learning using Python organized Information Technology Department, SardarVallabhai Patel Institute of Technology, Vasad, (22 - 26 October 2018) on 22 October 2018
4	Mukesh A. Zaveri	Role and Application of Soft Computing Techniques for Data Analysis	during GUJCOST sponsored One day seminar on Role and Application of Soft Computing Techniques for Data Analysis organized by Institute of Advanced Research, Gandhinagar on 26 October 2018
5	Mukesh A. Zaveri	Introduction to Machine Learning	during GUJCOST sponsored Two Days Workshop on Data Intelligence and Analytics organized CE/IT

COMPUTER ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty	Title of Lecture	Date of Programme
			Department, School of Engineering P PSavani University, NH-8, GETCO, Kosamba (24 - 25 November 2018) on 24 November 2018
6	Mukesh A. Zaveri	Machine Learning	during TEQIP-III sponsored Two Week STTP on Python and its Applications organized by Computer Engineering Department BVM Engineering College, VallabhVidyanagar (26 November - 08 December 2018) on 29 November 2018
7	Mukesh A. Zaveri	Support Vector Machine	during TEQIP-III sponsored Two Week STTP on Python and its Applications organized by Computer Engineering Department BVM Engineering College, VallabhVidyanagar (26 November - 08 December 2018) on 29 November 2018
8	Dr.U.P. Rao	Privacy Concerns in Location-based Services	MALAVIYA RESEARCH CONCLAVE (MRC-2019)" during Feb. 24-26, 2019 at Madan Mohan Malaviya University of Technology Gorakhpur. (26th Feb 2019)
9	Dr.U.P. Rao	Research Topics in Security & Privacy	MALAVIYA RESEARCH CONCLAVE (MRC-2019)" during Feb. 24-26, 2019 at Madan Mohan Malaviya University of Technology Gorakhpur. (25th Feb 2019)
10	Dr.U.P. Rao	Recent Research Topics in Field of Data Privacy	CGPIT, UkaTarsadia University, Bardoli, Surat, Gujarat (on 29th Dec 2018)
11	Dr.U.P. Rao	Privacy Requirements in Location Based Services	at ISEAP - II Sponsored Five-Days FDP on Research Topics in Information Security and Privacy (RTIS&P 2018), Jun 18-22, 2018 at SVNIT Surat (on 19th June 2018)
12	Dr.Sankita J Patel	Applications of Non-linear Data Structures	CSPIT College, Changa, 29 th March 2019
13	Dr.Sankita J Patel	Formal Methods for Software Requirement Specification	CKPCET College, Surat, 11 th March, 2019

ELECTRICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty Member	Title of Lecture	Date of Programme
1	Prof. Varsha A. Shah	DC-DC converters for Electric Vehicles and Design of Hybrid Energy Storage Systems	Marwadi University, Rajkot (18-06-20
2	Prof. Varsha A. Shah	Ultracapacitor and its Application	Marwadi University, Rajkot (18-06-20
3	Dr. Sabha Raj Arya	Custom Power Devices and its Application in Distributed Power Generation System	Department of Electrical Engineering PES's Modern College of Engineering Pune-5 (13 th Feb 2019)
4	Prof. AK. Panchal	Expert in STTP on "Design and development trends for PV solar power plant"	Darshan Institute of Engineering & Technology-Rajkot, 10-15 December, 2018.
5	Prof. AK. Panchal	Recent trends in renewable energy & energy storage	K K Wagh Institute of Engineering Education and Research, Nashik, 23-24 November, 2018

ELECTRONICS CHEMISTRY DEPARTMENT			
Sr. No.	Name of Faculty	Title of Lecture	Place & Date of Programme
1	Dr. (Mrs.) U D Dalal	5G Technologies and Networks Keynote speech during Conclave MRC 2018 and panelist in panel discussion on 'How to conduct research' in concluding session	MMMUT Gorakhpur 7 th and 8 th July 2018
2	Dr (Mrs.) S.N. Shah	Impact of Ockhi cyclone on IRNSS/NavIC GNSS signal due to ionospheric and tropospheric variation	RMIT, Melbourne, Australia 23-25 Oct 2018
3	Dr (Mrs.) S.N. Shah	Impact of International and Unintentional	Parul University, Vadodara

ELECTRONICS CHEMISTRY DEPARTMENT			
Sr. No.	Name of Faculty	Title of Lecture	Place & Date of Programme
		Interference on NavIC	24 -25 May 2019
4	Prof. P. J. Engineer	Hands on Session of IoT using Bluetooth LE	St. John College of Engineering and Management, Palghar June 14, 2019
5	Prof. P. J. Engineer	Design of Microprocessor for IoT Applications	St. John College of Engineering and Management, Palghar June 14, 2019

MECHANICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty	Title of Lecture	Date of Programme
1	Dr. Shailendra Kumar	Abrasive water jet machining of composites” and “AI applications in sheet metal forming	NIT Srinagar during 22-26 July, 2019
2	Dr. Shailendra Kumar	AI applications in sheet metal forming	Uka Tarsadia University, Bardoli during 1-5 July, 2019
3	Dr. Shailendra Kumar	AI Applications in Sheet Metal Forming	Veltech University, Chennai, 22-24 Feb, 2018
4	Dr. Shailendra Kumar	Knowledge-based System to Automate Die Design for Sheet Metal Industries	Phuket, Thailand, 27-29 January, 2018
5	Dr. R. V. Rao	Total 12 lectures on the topics of Genetic Algorithm, PSO Algorithm, TLBO Algorithm, and Jaya Algorithm	Dept. of Electrical Engg., MITS Gwalior, M.P. was the Organizer 16-17 November, 2018.
6	Dr. R. V. Rao	Total 15 lectures on the topics of Genetic Algorithm, PSO Algorithm, TLBO Algorithm, Jaya Algorithm and Research Methodology	Dept. of Electrical Engg., Andhra University College of Engineering, Visakhapatnam, A. P. was the Organizer, 26-28 October 2018.
7	Dr. R. V. Rao	Delivered 5 lectures related to advanced optimization techniques and their applications	Cracow University of Technology, Cracow, Poland June 2018.
8	Dr. R. V. Rao	A 2-hours lecture arranged by the ISE of AIT Bangkok, Thailand to the PG and PhD students on Jaya algorithm and its engineering applications	ISE of AIT Bangkok, Thailand 4 th April 2018
9	Dr. H. K. Raval	Theory of plastic deformation of rectangular plate	03 rd December 2018. CGPIT, Bardoli
10	Dr. H. K. Raval	CAD/CAM Interface – Past and Future.	17 th – 22 nd December-2018. Tapi Engineering College, Surat.
11	Dr. H. K. Raval	Expert lecture in CAD/CAM interface & overview	10 th March 2019. Rajkiya Engineering College, Azamgarh, U.P.
12	Dr. H. K. Raval	Expert lecture on Vision, Mission, Pos, PSO, PEOs, SAR in Two days workshop on NBA accreditation.	3 rd May 2019. S. N. P. I. T., Umrakh, Bardoli, Gujarat.
13	Dr. H. K. Raval	Industry 4.0 – Theory and Application	1 st July to 5 th July, 2019. CGPIT, Bardoli Mechanical engineering Dept.
14	Dr. A D Parekh	“Alternate Refrigerants”	GEC Surat
15	Dr. B. M. Sutaria	Engine Lubrication and Tribology	Amrutavahini college of engineering, Sangmner, Maharashtra 17/01/2019
16	Dr. H. K. Dave	Introduction to Additive Manufacturing	SVNIT Surat during STTP on Additive Manufacturing – Theory & Applications on June 10th, 2019
17	Dr. D. V. Bhatt	Tribology as entrepreneurship opportunity	Advances in tribology (STTP). GSET-Anand, 11-09-2018
18	Dr. D. V. Bhatt	Innovation and entrepreneurship-A need of nation	FDP-Innovation and entrepreneurship development (STTP)CCE-NCRC-603 30-07-2018

MECHANICAL ENGINEERING DEPARTMENT			
Sr. No.	Name of Faculty	Title of Lecture	Date of Programme
19	Dr. D. V. Bhatt	IPR-Copyright fundamentals	IPR workshop Parul institute Vaghodiya, Baroda, 14-03-2019
20	Dr. Ravi Kant	Two Days National Level Workshop on Multi-criteria Decision Making Methods and Optimization Techniques	The Shetkari Shikshan Mandal Bhivarabai Sawant College of Engineering and Research, Pune-41 & November 28, 2018
21	Dr. Ravi Kant	Inaugural Function of Indian Institution of Industrial Engineering Chapter	The Shetkari Shikshan Mandal Bhivarabai Sawant College of Engineering and Research, Pune-41 & October 04, 2019
22	Dr. S. A. Channiwala	Hybrid & Fuel Cell Powered Vehicle	STTP on Recent Trends in IC Engine, Govt. Engg. College, Bharuch, 03-06-19
23	Dr. S. A. Channiwala	Hybrid Electric Vehicles – Form Concept to Design	STTP on Recent Trends in Automobiles, ADIT, Anand, 04/02/19
24	Dr. S. A. Channiwala	Energy Efficient and Eco-Friendly Thermal Power Plants	Essar Steels Ltd., Surat, 14/09/18
25	Dr. A A Shaikh	Additive manufacturing	GUJCOST STTP Umrah, Bardoli 25/2/19
26	Dr. A A Shaikh	Natural fiber composites for engineering applications	GUJCOST STTP Umrah, Bardoli 17/6/19
27	Dr. A A Shaikh	REVERSE ENGINEERING CONCEPT for engineering applications	NIRMA UNIVERSITY, AHMEDABAD, 29 June 2019
28	Dr. D. I. Lalwani	CNC programming	SNP Institute of Tech. and Research Centre, Umrah, 27.03.2019.
29	Dr. D. I. Lalwani	Design of experiments	MED, SVNIT, Surat, 24.10.2018.
30	Dr. K. P. Desai	Advances in Unconventional Machining Processes – Orbital Electro Discharge Machining	Industry 4.0 – Theory and Applications GUJCOST and DST Sponsored STTP, CGPIT, Bardoli, 04/07/2019
31	Dr. Tushar N. Desai	Industrial Engineering, Entrepreneurship Development, and Start up	GIDC Engineering college, Navsari on October 03, 2018.
32	Dr. Tushar N. Desai	Six Sigma	Chandubhai S. Patel Institute of Technology, Changa on October 05, 2018.
33	Dr. Tushar N. Desai	Industrial Engineering	C. K. Pitawala College of Engineering & Technology on February 1, 2019 (Honorary Service).
34	Dr. Tushar N. Desai	Total Quality Management & Industrial Engineering	Laxmi Institute of Technology, Sarigam on February 4, 2019 (Honorary Service).
35	Dr. Tushar N. Desai	Total Quality Management, Six Sigma, and Just in Time	C. K. Pitawala College of Engineering & Technology on March 1, 2019 (Honorary Service).
36	Dr. Tushar N. Desai	Total Quality Management & Industrial Engineering	R.N.G. Patel Institute of Technology, Isroli, Bardoli, Dist. Surat on March 27, 2019 (Honorary Service).
37	Dr. M. K. Rathod	Expert lecture on the design and performance of heat exchangers.	Sigma Group of Institutes, Ahmedabad

(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
1	Dr. Ketan Kuperkar	Invited talk at Science Academics' Refresher Course on Elementary Quantum Mechanics and Spectroscopy on 24 th January 2019 sponsored by IAS, Bangalore, INSA, New Delhi, NASc, Allahabad at Dept. of Applied Physics, SVNIT, Surat, INDIA.	Physicochemical characterization for nano-scale particles complimented with simulation	24-01-2019
2	Dr. Rajender Kumar	Sponsored by Indian Academy of Sciences, Bangalore Indian National Science Academy, New Delhi The National Academy of Sciences, India, Allahabad At SVNIT Surat Course Coordinator Dr. L.K Saini	X-Ray Photoelectron Spectroscopy and Its Applications	14-29 January 2019
3	Dr. Rajender Kumar	Sponsored by Indian Academy of Sciences, Bangalore Indian National Science Academy, New Delhi The National Academy of Sciences, India, Allahabad At SVNIT Surat Course Coordinator Dr. L.K Saini	Fourier Transform InfraRed Spectroscopy and its Applications	14-29 January 2019
4	Dr. Kalpana C. Maheria	Dr. Sanjay Sengupta, Principle Scientist, working in NISCAIR, CSIR, (Ministry of Science & Technology, Govt. of India)	"NISCAIR, on NISCAIR activities, writing scientific papers, about JSIR and Science communication"	27/08/2018

APPLIED MATHEMATICS & HUMANITIES DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. Jayesh M Dhodiya Prof. V.H. Pradhan	Prof. Dimplekumar N. Chalishajar (Virginia Military Institute, Lexington, USA)	Informative session of US education system	09/01/2019
2	Dr. Jayesh M Dhodiya Prof. V.H. Pradhan	Prof. Dimplekumar N. Chalishajar (Virginia Military Institute, Lexington, USA)	Exact and Trajectory controllability of nonlinear system with Infinite delay – An analytical and Numerical approach	08/01/2019
3	Dr. Jayesh M. Dhodiya	Dr. Madhu Jain, IIT Roorkee.	Software reliability models with imperfect debugging	12/04/19
4	Dr. R. K. Jana	Prof. Bindhyachal Rai, University of Allahabad, Allahabad	Deterministic ODE Models in Population Ecology	11.10.2018
5	Dr. R. K. Jana	Prof. Michel Waldschmidt, Sorbonne University, Paris, France	A lucid introduction to error correcting codes	14.12.2018 (through A-View)
6	Dr. R. K. Jana	Dr. A. Swaminathan, I.I.T. Roorkee	Routh-Romanovski Orthogonal Polynomials	22.03.2019
7	Dr. R. K. Jana	Dr. S. K. Gupta, I.I.T. Roorkee	Convex optimization and Support vector machines	30.03.2019
8	Dr. R. K. Jana	Prof. Manoranjan Maiti, Vidyasagar University, Midnapore, West Bengal	Some Heuristic Methods and their Applications in NP hard problems	01.04.2019
9	Dr. R. K. Jana	Mr. Krishna Prasanth, Governors State University, USA	Scope and Opportunities to study at GSU	01.05.2019

APPLIED PHYSICS DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. D. R. Roy	Prof. Pratim K. Chattaraj, IIT KHARAGPUR	Reactivity and Dynamics of Confined Systems	October 01, 2018

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

CIVIL ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. J. N. Patel	Dr. Subhasish Dey Professor, Civil Engineering Department, IIT Kharagpur	Phenomenological Description of Scaling Laws in Fluvial Hydraulics	31-10-2018
2	Dr G J Joshi	Prof. Bhargab Maitra, Professor, Civil Engg. IIT Kharagpur	Selection Of Optimal Bus Service For Different Route And Demand Scenario	9-10-2018
3	Dr G J Joshi	Prof.P.K.Sarkar Director (Transport) Asian Institute of Transport Development	Long Term Urban Transportation Planning Through CMP	22-10-2018
4	Dr. D A Patel	Dr. Chika Udeaja, Program Director, Construction Management, University of Salford, Manchester, UK	Research Methodology in Construction Management	8 September 2018
5	Dr. D A Patel	Dr. Claudia Trillo, Reader, University of Salford, Manchester, UK	Advances in Architecture and Urban Planning	9 September 2018
6	Dr. D A Patel	Dr. Kwasi Gyau, Seiner Lecturer, University of Salford, Manchester, UK	Land Economics	10 September 2018
7	Dr. D A Patel	Prof. S R Gandhi, Director, SVNIT Surat	Diaphragm Wall Construction: Introduction and methods	20 July 2019
8	Dr. D A Patel	Mr. Jatin K Shukla, GM (UG) Gujarat Metro Rail Corporation Limited, Ahmedabad	Diaphragm Wall Construction: Construction issues and challenges	20 July 2019

CHEMICAL ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. S.R.Patel	Dr. Shirish H. Sonawane, Department of Chemical Engineering Professor, NIT-Warangal	Process intensification in a chemical industry	18/01/2019
2	Dr. Mausumi Mukhopadhyay	Dr. Venu Vinod, Professor Department of Chemical Engineering, NIT-Warangal	Spout Fluid Bed	03/01/2019

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

ELECTRICAL ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. S.R. Arya Dr. H.R. Jariwala	Professor (Dr.) D. P. Kothari FNAE, FNASc, FIE, Fellow IEEE, Hon. Fellow ISTE Fellow IETE and Ex. Professor, CES, IIT Delhi	Power System and Renewable Energy	06 May 2019

ELECTRONICS ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr A. D. Darji	Dr. V.Seena, Department of Avionics, Indian Institute of Space Science and Technology, Department of Space, Government of India, Thiruvananthapuram	Polymer Microsystems: A Paradigm Shift in MEMSTechnology	22 March 2019
2	Dr A. D. Darji	Dr. Kumari Roshni, senior director, group head, cyber security, C-DAC.	Collaboration in form of sponsored research project and students internship	15 May 2019

MECHANICAL ENGINEERING DEPARTMENT				
Sr. No.	Faculty	Name of Expert and Affiliation	Title of Lecture	Date of Lecture
1	Dr. Shailendra Kumar	Dr. Deepak Panghal, Assistant Professor, NIFT, Delhi	Additive Manufacturing	22/06/2019
2	Dr. R. V. Rao	Prof. Mahesh B. Patil	PSO algorithm and its applications	4 th August 2018
3	Dr. H. K. Dave	Shri Govind Dholakia, Chairman, SRK Export Pvt. Ltd., Surat	My Mantra of Societal Development	05/04/2019

(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. Bharat Dholakiya	Combustion Science and Technology	01
2		Journal of Plant Biochemistry & Physiology	01
3		Journal of Cleaner Production	01
4		Progress in Chemical and Biochemical Research	01
5		Drug Development Research	01
6	Dr. K. Suresh Kumar	Biosensors and Bioelectronics	04
7		Sensors and Actuators B	04
8		Colloids and Surfaces A	02
9		Analytical Methods	01
10		Analytica Chimica Acta	02
11	Dr. Naved I Malek	Journal of Molecular Liquids	06
12		Journal of Chemical Engineering Data	02
13		Journal of Chemical Thermodynamics	04
14		Langmuir	02
15		Chemical Data Communication	02
16		Heliyon	04
17		Colloid and Surface-A	02
18		Journal of Colloid and Interface Science	04
19		Journal of Liquid Chromatography	01
20		Frontiers	02
21	Dr. Kalpana C. Maheria	Powder Technology, Elsevier publications	01
22		JSIR, NISCAIR publications	01
23		ACS Omega, ACS publications	01
24		ACS Applied Materials & Interfaces	01
25		Bioenergy Research, Elsevier publications	01
26		<i>Advanced Composites Letters, SAGE publications</i>	01
27		ACS Sustainable Chemistry and Engineering, ACS publishers	01
28	Dr. Premlata Kumari	Letters in Drug Design & Discovery	01
29		Medicinal Chemistry Research	01
30		Chemistry Central Journal	01
31		Journal of AOAC International	01
32	Dr. Ketan Kuperkar	Chemistry Select	01
33		Journal of Surfactants and Detergents	01
34	Dr. Suban K Sahoo	Journal of fluorescence	01
35		Materials Chemistry and Physics	01
36		Spectrochimica Acta Part A	01
37		Biosensors and Bioelectronics	01
38		Sensors & Actuators: B. Chemical	01
39		Applied Organometallic Chemistry	01
40		International Journal of Environmental Analytical Chemistry	01
41		RSC Advances	01
42		Journal of the Chinese Chemical Society	01
43		ACS Applied Bio Materials	01
44		International Journal of Mass Spectrometry	01
45		New J Chemistry	01
46		ChemistrySelect	01
47		Analyst	01
48		Inorganica Chimica Acta	01
49		Microchemical Journal	01
50		Materials Science & Engineering C	01
51		Photochemical & Photobiological Sciences	01

Applied Chemistry Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
52		Journal of Molecular Liquids	01
53		Reactive and Functional Polymers	01
54		Luminescence	01
55		Dyes and Pigments	01
56		Supramolecular chemistry	01
57		Inorganic Chemistry Communications	01
58		Analytical Chemistry	01
59		Journal of Luminescence	01
60		Journal of Photochemistry and Photobiology A: Chemistry	01
61		Analytical and Bioanalytical Chemistry	01

Applied Mathematics & Humanities Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. Jayesh M. Dhodiya	VIER Journal Engineering Research	02
2	Dr. Jayesh M. Dhodiya	International conference on Research and innovation in Science Engineering and Technology	01
3	Dr. Jayesh M. Dhodiya	National Journal of System and Information Technology	02
4	Dr. Sushil Kumar	Heat and Mass Transfer, Springer	04
5	Dr. Sushil Kumar	International Journal of Thermal Biology, ScienceDirect	04
6	Dr. Sushil Kumar	Heliyon, ScienceDirect	01
7	Dr.A.K.Shukla	Reviewed a research article in Mathematics for Boletin de la Sociedad Matemática Mexicana (Springer).	01
8	Dr.A.K.Shukla	Reviewed a research article in Mathematics for Kyungpook Mathematical Journal(South Korea).	01
9	Dr.A.K.Shukla	Review ongoing (as on June 30, 2019) a research article in Mathematics for Journal of Computational and Applied Mathematics, (Elsevier).	01
10	Dr. H. P. Bulsara	African Journal Of Business Management	02
11	Dr. H. P. Bulsara	Journal of Consumer Marketing	02
12	Dr. H. P. Bulsara	Int. J. of Procurement Management	01
13	Dr. H. P. Bulsara	International Journal of Public Sector Management information	01
14	Dr. H. P. Bulsara	Journal of Business Excellence	01
15	Dr. H. P. Bulsara	Innovar	01
16	Dr. H. P. Bulsara	Iranian Journal of Management Studies	01
17	Dr. H. P. Bulsara	Journal of Economics and International Finance	01
18	Dr.RamakantaMeher	Transport in Porous Media, Springer	02
19	Dr.RamakantaMeher	Journal of Porous Media	01
20	Dr.RamakantaMeher	Special Topics and Reviews in Porous Media	01
21	Dr.RamakantaMeher	Mathematical Method in applied Sciences	01
22	Dr.RamakantaMeher	Journal of Applied Fluid Mechanics.	05
23	Dr.RamakantaMeher	Ain-shams Engineering Journal, Elsevier.	02
24	Dr.RamakantaMeher	Applied Mathematics and Information Sciences	02
25	Dr.RamakantaMeher	Journal of Applied Mathematics and Computational Mechanics	02
26	Dr.RamakantaMeher	SN Applied Sciences	02
27	Dr. R. K. Jana	Trends in Applied and Computational Mathematics	01
28	Dr. R. K. Jana	African Journal of Environmental Science and Technology	01
29	Dr. R. K. Jana	Integral Transforms and Special Functions	01
30	Dr. R. K. Jana	Mathematics Today	01
31	Dr. R. K. Jana	Miskolc Mathematical Notes	01
32	Dr. R. K. Jana	Journal of Combinatorics and System Science	01
33	Dr. R. K. Jana	Proceedings of 2nd International Conference on Information Technology and Applied Mathematics (ICITAM 2019) at HIT, Haldia	03

Applied Physics Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. D. R. Roy	Chemistry Select (Wiley, ISSN: 2365-6549),	01
2		Modern Physics Letters B (World Scient., ISSN: 0217-9849)	01
3		Advanced Materials Letters (VBRI Press, ISSN: 0976-3961),	01
4		HELIYON (Elsevier, ISSN 2405-8440)	02
5		J. Mol. Struct. (Elsevier, ISSN: 0022-2860),	01
6		J. Mol. Model. (Springer, ISSN: 1610-2940)	01

Applied Mechanics Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. Satyajit Patel	Road Materials and Pavement Design, Taylor & Francis	01
2		International Journal of Pavement Engineering, Taylor & Francis	01
3	Dr.B.Kondraivendhan	IOP Material science and Engineering science conference series 256 (1), Nha Trang, February 2018.	02
4		Advances in concrete construction	01
5		Indian Concrete Journal	01
6		Journal of Sustainable Cement Based Materials	01
7		Multi-discipline modeling in Materials and structures	01
8	Dr. C D Modhera	Parul University International Conference on Engineering and Technology as Chair Person (16.02.2018)	04
9		Emerging Research and Innovations in Civil Engineering (20.01.2019)	03

Civil Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. J. N. Patel	Journal of Hydrology, Elsevier	02
2		ISH Journal of Hydraulic Engineering, Taylor and Francis	01
3		International Journal of Hydrology Science and Technology	01
4		Natural Hazards and Earth System Sciences	01
5		Aquademia: Water, Environment and Technology	01
6		Handbook of Water Harvesting and Conservation (Wiley)	01
7	Dr. P. L. Patel	ISH Journal of Hydraulic Engineering, Taylor's and Francis, UK	02
8		Lakes & Reservoirs: Science, Policy and Management for Sustainable Use, John Wiley & Son	01
9		Frontiers of Earth Sciences, Springer;	01
10	Dr. S.M. Yadav	Atmospheric Sciences Letters, John Wiley & Son.	01
11		ISH Journal of Hydraulic Engineering	02
12		International Journal of Sediment Research	02
13		Acta Geophysica	01
14		International Journal of River Basin Management	01
15		Zimbabwe Journal of Science and Technology	01
16		Journal of the Indian Society of Remote Sensing	01
17		Journal of Irrigation and Drainage Engineering - ASCE	01
18	Paddy and Water Environment	02	
19	Dr G J Joshi	I.J. of Transportation Letters	01
20		ASCE J. of Transportation Engg: Part A Systems	01
21		J. of Indian Roads Congress	02
22	M Mansoor Ahammed	Journal of Environmental Management	02
23		Chemosphere	01
24		Journal of Hazardous Materials,	01
25		Journal of Industrial and Engineering Chemistry,	01
26		Waste Management,	05
27		Chemical Engineering Science,	01
28		Journal of Environmental Chemical Engineering,	04
29		J of Cleaner Production,	01
30		Separation Science and Technology,	01
31		Environmental Technology,	04
32		Environmental Science and Pollution Research	04
33		Journal of Water and Health,	01
34		Science of the Total Environment,	01
35		Water Science and Technology,	04
36	Open Water,	03	
37	Environmental Engineering Research,	06	
38	Water Science and Technology –Water Supply,	05	
39	Water Supply Research and Technology, Aqua	02	
40	Environment, Development and Sustainability	04	
41	Desalination and Water Treatment	05	
42	Dr.V.L.Manekar	ISH Journal of Hydraulic Engineering	03
43		Journal of Hydraulic Engineering, ASCE	01
44	Dr. Shrinivas Arkatkar	Journal of Transportation Engineering, ASCE.	01
45		*Transportation Letters : A International Journal in Transportation	05

Civil Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
		Research	
46		Transportation in Developing Economies, Springer	02
47		Journal of Intelligent Transportation Systems: Technology, Planning, and Operations (Taylor and Francis)	01
48	Dr. A. Dhamania	Reviewer – Journal of Transportation Engineering, Part A – Systems, ASCE	No count given
49		Reviewer – International Journal of Civil Engineering (SCI)	No count given
50		Reviewer – Transportation Letters (SCI)	No count given
51	Dr P. V. Timbadiya	Theoretical and Applied Climatology	01
52		Journal of River Basin Management	01
53		Journal of Hydrologic Engineering, ASCE	01
54		Environmental Monitoring and Assessment	01
55		Journal of Hazardous, Toxic and Radioactive Waste, ASCE	01
56		ISH Journal of Hydraulic Engineering	02
57	Dr. D A Patel	Journal of Construction Engineering and Management in Engineering, ASCE	01
58		Journal of Management in Engineering, ASCE	01
59		Journal of Sustainable Cities and Society, Elsevier	01
60		Journal of Construction Economics and Building	01
61		Alexandria Engineering Journal, Elsevier	01
62	Namrata Jariwala	TEQIP III National Conference on "Recent Advances in Traffic Engineering (RATE 2018) organized by CED, SVNIT, Surat during 11-12 th August-2018.	03
63		Journal of environmental Protection Scientific research Publication house	02
64	P G Agnihotri	ISH Journal of Hydraulic Engineering	01

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	02
2		IET Journal of Image Processing	01
3		Pattern Recognition Letters Elsevier Publication	02
4	Dr. R. G. Mehta	Elsevier International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala	11
5	Dr. D. P. Rana	Elsevier International Conference on Computational Intelligence and Internet of Things (ICCIoT 2018), Elsevier, NIT Agartala	10
6		2nd Springer International Conference on Computational Science and its Applications (ICCSA) 2019, MIT-World peace University, Pune, Maharashtra	01
7	Dr. U.P. RAO	IEEE Transactions on Information Forensics & Security	02
8		IEEE Access	03
9		IET Communications	01
10		IET Information Security	03
11		Journal of Intelligent Systems	01
12		CICT 2018, PDPM Indian Institute of Information Technology, Design and Manufacturing Jabalpur	02
13	Dr.Sankita J Patel	Springer International Conference on Blockchain Technology, Thakur College of Engineering and Technology, Mumbai, India, March 29-30, 2019	04
14		ISEA International Conference on Security and Privacy. Malaviya National Institute of Technology. Jaipur, India, January 9-11, 2019	02
15	Bhavesh N. Gohil	The 1st International Conference on Intelligent Computing (ICIC 2018)	01

Electrical Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. H.R. Jariwala	20 th National Power Systems Conference (NPSC-2018) , 14-16 December-2018 at NIT, Trichy	-
2	Dr. H.R. Jariwala	5 th IEEE UP section international conference (UPCON-2018), 2-4 November,2018 MMMUT, Gorakhpur	-
3	Dr. H.R. Jariwala	IEEE Power Electronics, Drives and Energy systems conference-2018 (PEDES-2018), 18-21 Dec,2018 , IIT Madras.	-

Electronics Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr.(Mrs.) U.D.Dalal	Optik – International Journal for Light and Electron Optics.	01
2		2018 Conference on Information and communication technology	01
3		International Journal of Electronics and Communications	01
4		IEEE Access	01
5		Transactions on Emerging Telecommunications Technologies (Wiley)	01
6	Dr.(Mrs.) J.N.Patel	Journal of Applied Remote Sensing (JARS)	01
7	Dr. (Mrs.) S.N. Shah	First International Conference on Innovations in Infrastructure (ICIIF 2018)	01
8		2018 Conference on Information and Communication Technology	02
9		ICRAIE-2018 (PC member of Track-2: Electronics and Communication Engineering), 3rd International Conference on Recent Advances and Innovations-ICRAIE-2018 (IEEE Record # 43534)	06
10		ICSTEMVG-2019,International Conference on Science, Technology, Engineering & Mathematics (STEM) as a discipline as part of the Vibrant Gujarat 2019 Summit.	01
11		SPIN-2019 (6th International Conference on Signal Processing and Integrated Networks, Jan 2019	03
12		Heliyon, Jan 2019 SCI	01
13		IET Radar, Sonar & Navigation Feb 2019SCI	01
14		AEU, International Journal of Electronics and CommunicationsSCI	01
15		IET Radar, Sonar & Navigation Feb 2019SCI	01
16		Dr. Z.M.Patel	Elsevier Journal of Microprocessors and Microsystems (ISSN: 0141-9331)
17	Dr. (Mrs.) Shilpi Gupta	Optik – International Journal for Light and Electron Optics.	02
18		International Journal of Radar, Sonar and Navigation	02
19		Wireless Personnal Communication	01

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
1	Dr. Shailendra Kumar	IMechE	05
2	Dr. Shailendra Kumar	Journal of Precision Engineering	02
3	Dr. S. N. Pandya	Multiscale and Multidisciplinary Modeling, Experiments and Design	02
4	Dr. R. V. Rao	International Journal of Advanced Manufacturing Technology, Springer, UK	04
5	Dr. R. V. Rao	Journal of Engineering Manufacture, Sage Publishers, UK	02
6	Dr. R. V. Rao	International Journal of Production Research, Taylor & Francis, UK	01
7	Dr. R. V. Rao	Journal of Intelligent Manufacturing, Springer, UK	04
8	Dr. R. V. Rao	International Journal of Mathematical and Computer Modeling, Elsevier	01
9	Dr. R. V. Rao	Heat and Mass Transfer, Germany	02
10	Dr. R. V. Rao	Energy Sources, Part B, Springer	02
11	Dr. R. V. Rao	Journal of Manufacturing Systems, World Scientific	04
12	Dr. R. V. Rao	Arabian Journal of Science and Engineering, Springer	04
13	Dr. R. V. Rao	Information Sciences, Elsevier	03
14	Dr. R. V. Rao	Applied Soft Computing, Elsevier	03
15	Dr. R. V. Rao	Engineering Optimization, Taylor & Francis, UK	03
16	Dr. R. V. Rao	Computers & Industrial Engineering, Elsevier	02
17	Dr. R. V. Rao	Applied Mathematical Modeling, Elsevier, USA	01
18	Dr. R. V. Rao	IEEE Transactions on Industrial Informatics	01

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Name of Journal or Conference	No. of Papers Reviewed
19	Dr. R. V. Rao	International Journal of Engineering, Project and Production Management (NUS, Singapore)	02
20	Dr. R. V. Rao	Energy, Elsevier	03
21	Dr. R. V. Rao	International Journal of Industrial Engineering Computations, Growing Science, Canada	01
22	Dr. R. V. Rao	Engineering Applications of Artificial Intelligence, Elsevier	03
23	Dr. R. V. Rao	National Academy of Sciences, India Section A: Physical Sciences, Springer	02
24	Dr. R. V. Rao	Applied Thermal Engineering, Elsevier	06
25	Dr. R. V. Rao	Optimal Control, Industrial applications and Methods, Wiley, USA.	02
26	Dr. R. V. Rao	ASME Journal of Mechanical Design, ASME, USA	02
27	Dr. R. V. Rao	International Journal of Machining and Machinability of Materials, Inderscience, UK	01
28	Dr. R. V. Rao	Chemical Engineering Research and Design, Elsevier	01
29	Dr. R. V. Rao	International Journal of Thermal Sciences, Elsevier	03
30	Dr. R. V. Rao	Applied Energy, Elsevier	03
31	Dr. R. V. Rao	Neural Computing and Applications, Springer	03
32	Dr. R. V. Rao	Artificial Intelligence Review, Elsevier	01
33	Dr. R. V. Rao	China Communications, Springer	02
34	Dr. R. V. Rao	International Journal of Refrigeration	01
35	Dr. R. V. Rao	Engineering Science and Technology: An International Journal, Elsevier	01
36	Dr. R. V. Rao	Computational Intelligence and Neuroscience, Hindawi	03
37	Dr. R. V. Rao	Powder Technology, Elsevier	02
38	Dr. R. V. Rao	Scientia Iranica, Iran	01
39	Dr. R. V. Rao	Multidiscipline Modeling in Materials and Structures, Taylor & Francis	01
40	Dr. R. V. Rao	IEEE Access, IEEE	4
41	Dr. A D Parekh	International journal of Applied thermal engineering	01
42	Dr. H. K. Dave	Materials and Design	01
43	Dr. H. K. Dave	Rapid Prototyping Journal	01
44	Dr. H. K. Dave	International Journal of Precision Technology	01
45	Dr. H. K. Dave	Journal of the Brazilian Society of Mechanical Sciences and Engineering	01
46	Dr. H. K. Dave	International Journal of Manufacturing Research	01
47	Dr. H. K. Dave	Journal of Advanced Manufacturing Systems	02
48	Dr. H. K. Dave	Journal of Materials Processing Technology	01
49	Dr. Achchhe Lal	International Journal of Applied Mechanics	06
50	Dr. Achchhe Lal	Journal of Applied and Computational Mechanics	01
51	Dr. Achchhe Lal	Mechanics of Advanced Composite Structures	02
52	Dr. Ravi Kant	International Journal of Production Research	02
53	Dr. Ravi Kant	Computer & Industrial Engg	01
54	Dr. Ravi Kant	Journal of Cleaner Production,	02
55	Dr. Ravi Kant	Production Planning and Control	02
56	Dr. Ravi Kant	Journal of Modelling in Management	02
57	Dr.A.A.Shaikh	Ref.: Ms. No. WSPC-JAMS-D-18-00010 Experimental investigation and Parametric Optimization in Abrasive Jet Machining on Nickel-233 Alloy Using WASPAS Journal of Advanced Manufacturing Systems (March 2018)	01
58	Dr. Rupesh D. Shah	Combustion Science and Technology	01
59	Dr. Rupesh D. Shah	Journal of Mechanical Science and Technology	01
60	Dr. Tushar N. Desai	Benchmarking-An International Journal	02
61	Dr. Tushar N. Desai	International Journal of Business Excellence	01
62	Dr. Tushar N. Desai	Industrial Engineering Journal – Indian Institution of Industrial Engineering (IIIE)	01
63	Dr. M. K. Rathod	Energy Conversion and Management	03
64	Dr. M. K. Rathod	International Journal of Energy Research	01
65	Dr. M. K. Rathod	Emergent Materials	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. Bharat Dholakiya	Sardar Patel University, Vallabh Vidyanagar	Appointed as External Referee to examine the dissertation entitled "Synthesis & Characterization of Ester Derivatives and their antimicrobial activity" submitted by Mr. Krishnarajsinh N.

			Rana for M. Phil. in Chemistry. Order no. E-3/M.Phil./454 dated 28/01/2019.
02	Dr. Bharat Dholakiya	Sardar Patel University, Vallabh Vidyanagar	Appointed as Examiner for Viva Voce Examination for the dissertation entitled "Synthesis & Characterization of Ester Derivatives and their antimicrobial activity" submitted by Mr. Krishnarajsinh N. Rana for M. Phil. in Chemistry. Order no. E-3/M.Phil./1358 dated 15/03/2019 and SVNIT order no. E/263 dated 24/05/2019.
03	Dr. Bharat Dholakiya	Hemchandracharya North Gujarat University, Patan	Appointed as referee to evaluate the Ph. D. thesis in the subject entitled "Synthesis, Characterization and Antimicrobial Study of some new Heterocyclic Compounds submitted by Ms. Neha G Solanki for the Ph. D degree. Order no. Aca/Ph.D./2362/2018 dated 02/07/2018
04	Dr. Bharat Dholakiya	Hemchandracharya North Gujarat University, Patan	Appointed as referee for Ph. D. Viva Voce examination in the subject entitled "Synthesis, Characterization and Antimicrobial Study of some new Heterocyclic Compounds submitted by Ms. Neha G Solanki for the Ph. D degree. Order no. Aca/Ph.D./7745/2018 dated 11/12/2018 & SVNIT order no. E/1345 dated 10/10/2018.
05	Dr. Bharat Dholakiya	Hemchandracharya North Gujarat University, Patan	Appointed as referee to evaluate the Ph.D. thesis in the subject entitled "Synthesis, Characterization and Some Biological Aspect of Metal Heterochelates submitted by Ms. Nilam C. Boricha for the Ph. D degree. Order no. Aca/Ph.D./3053/2018 dated 23/07/2018
06	Dr. Bharat Dholakiya	Hemchandracharya North Gujarat University, Patan	Appointed as referee for Ph.D. Viva Voce examination in the subject entitled "Synthesis, Characterization and Some Biological Aspect of Metal Heterochelates submitted by Ms. Nilam C. Boricha for the Ph. D degree. Order no. Aca/Ph.D./7745/2018 dated 11/12/2018 & SVNIT order no. E/2007 dated 20/12/2018.

Applied Mathematics & Humanities Department

Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. Jayesh M. Dhodiya	KadiSarvaVishwavidyalaya, Gandhinagar	Ph. D. Thesis
02	Dr. Jayesh M. Dhodiya	Pacific academy of higher education & research university Udaipur, Rajasthan	Ph. D. Thesis
03	Dr. D. Gopal	Gaharwal University, Shrinagar	As Referee
04	Dr. Twinkle Singh	KadiSarvaVishwavidyalaya Sector-15, Gandhinagar	As Referee for Viva-Voce Ph.D. (MATHEMATICS)
05	Dr. A. K. Shukla	University of Delhi, Delhi	Mathematics
06	Dr. A. K. Shukla	Jiwaji University, Gwalior	Mathematics
07	Dr. H. P. Bulsara	M. S. University	PhD thesis
08	Dr. H. P. Bulsara	Tirunelveli	PhD thesis
09	Dr. H. P. Bulsara	Tamilnadu	PhD thesis
10	Dr. R. K. Jana	Gujrat Technical University, Gandhinagar	Nominated as an external examiner
11	Dr. V. H. Pradhan	C. U. Shah University, Wadhwan, Surendranagar	Reviewed Ph.D thesis & conducted VIVA-VOCE exam
12	Dr. V. H. Pradhan	GTU, Ahemdabad	Reviewed Ph.d thesis & conducted VIVA-VOCE exam
13	Dr. V. H. Pradhan	Karnatak University, Dharwad, Karnataka	Ph.D thesis under review
14	Dr. V. H. Pradhan	Veer Narmad South Gujarat University, Surat	M.Phil thesis reviewed and conducted VIVA-VOCE exam

Applied Physics Department

Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
NIL			

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

Civil Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. J. N. Patel	M A National Institute of Technology, Bhopal	-
02	Dr. J. N. Patel	Osmania University, Hyderabad	-
03	Dr. P. L. Patel	MNIT, Jaipur	PhD Thesis on 'Spatio-Temporal Analysis and Model Development for Urban Heat Island Effects over Indian Cities' by Mr. Anish Mathew
04	Dr. P. L. Patel	MNIT, Jaipur	PhD Thesis on 'Integrated Water Resources Management of Kushkheda – Bhiwadi – Neemrana Investment Region (KBINR)' by Mr. Kuldeep
05	Dr S M Yadav	NIT, Raipur	
06	Dr G J Joshi	IIT Bombay	O1
07	M Mansoor Ahammed	Jawaharlal Nehru Technical University, Kakinada	
08	Dr.V.L.Manekar	Nagpur University	
09	Dr.V.L.Manekar	Mumbai University	
10	Dr.V.L.Manekar	Amravati University	
11	Dr. Shriniwas Arkatkar	IIT Bombay	External Examiner
12	Dr. Shriniwas Arkatkar	Queensland University of Technology, Australia	External Examiner
13	Dr. D A Patel	Kadi Sarva Vishwavidhyalaya, Gandhinagar	-

Chemical Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. A.K. Mungray	Laxminarayanan Institute of Technology, Nagpur, Rashtrasant Tukadoji Maharaj Nagpur University.	15th February 2019
02	Dr. Z. V. P. Murthy	CSIR-Central Salt and marine Chemicals Research Institute (CSMCRI), ACSIR – Academy of Scientific & Innovative Research (CSIR), New Delhi.	4 th February, 2019
03	Dr. Z. V. P. Murthy	National Institute of Technology, Raipur and Chhattisgarh	22th September, 2018
04	Dr. Mousumi Chakraborty	GTU, Chandkheda	20 th July, 2018
05	Dr. P. A. Parikh	BANGALORE UNIVERSITY	
06	Dr. P. A. Parikh	VISVASARAYA UNIVERSITY	
07	Dr. P. A. Parikh	MS UNIVERSITY OF BARODA, VADODARA	

Computer Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. R. G. Mehta	Charotar University of Science & Technology (CHARUSAT), Changa, Anand, Gujarat	Mr. Safvan Vohra, PhD Research Scholar June 2019
02	Dr. U.P. RAO	University of Mumbai	Thesis Title: Optimal Task Scheduling for Efficient Resource Allocation in Cloud Computing
03	Dr. U.P. RAO	University of Mumbai	Thesis Title: Web Application Security Framework Against Economic Denial of Sustainability Attack (EDoS) in Cloud Environment

Electrical Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Prof. (Dr.) S N Sharma	The Indian thesis examiner of a <i>PhD</i> student of the VJTI, Mumbai September 23, 2018. Topic: Control methods for Synchronizations in Multi-Agent Systems Candidate: M Mr. Aniket Deshpande	-
02	Prof. (Dr.) S N Sharma	The Indian thesis examiner of a <i>PhD</i> student of the VJTI, March 19, 2019 Topic: Phase modeling and control of power converters in complex networks, Candidate: Ms. Ragini Meshram	-
03	Prof. (Dr.) S N Sharma	The Indian thesis examiner of a <i>PhD</i> student of the JNTU, Hyderabad, December 2018 Topic: *An ABC Algorithm to Determine the Optimal Location and Sizing of Simultaneous Multiple Facts Devices for Enhancing System Loadability and Performance. Candidate: Mr. Shaik Mohammad Rafee, Reg.No. 1103PH0717	-
04	Prof. (Dr.) Varsha A. shah	Investigations on Cyclo-Inverter Fed Induction Heating System" of Mrs. S. Jaanaa Rubavathy [Reg. No. 2011193105] of Faculty of Electrical Engineering, Sathyabama Institute of Science and Technology (18-12-2018)	-
05	Dr. Prasanta Kundu	Sathabama Institute of Science and Technology (Deemed to be University), Chennai, 28 th July, 2018	-

Electronics Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr.(Mrs.) U.D.Dalal	GTU	1. Analysis and Optimization of Routing Techniques for Wireless Ad-hoc Networks---By Mr Bhupendra Parmar--- 2.Estimation of Bit Error Rate for Satellite Communication in Ka-Band under Atmospheric Disturbances for India by Alpesh Dafda
02	Dr. Rasika Dhavse	Electronics and Communication Deptt, MNIT, Jaipur	Design and Development of MEMS based Guided Beam type Piezoelectric Energy Harvester. (Authored by Mr. Shanky Saxena)

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
01	Dr. Shailendra Kumar	NIT Raipur	-
02	Dr. R. V. Rao	NIT Raipur	Accepted
03	Dr. R. V. Rao	Andhra University, Visakhapatnam	Accepted
04	Dr. R. V. Rao	YMCA University of Science & Technology, Faridabad	Accepted
05	Dr. R. V. Rao	Jadavpur University, Kolkata	Accepted
06	Dr. R. V. Rao	Karpagam University, Coimbatore	Accepted
07	Dr. R. V. Rao	VJTI, Mumbai	Accepted
08	Dr. H. K. Raval	Ph.D. Thesis Review- GTU, Ahmedabad. (14/03/2019)	
09	Dr. H. K. Raval	Ph.D. Thesis Review and Viva-voce examination of NIT, Nagpur. (06/03/2019)	
10	Dr. H. K. Raval	Ph.D. Thesis Review and Viva-voce examination of NIT, Nagpur. (15/11/2018)	
11	Dr. H. K. Raval	Ph.D. Thesis Review- Dr. Babasaheb Ambedkar Technological University, Maharashtra.	
12	Dr. H. K. Raval	Ph.D. Thesis Review- NIT, Agartala	
13	Dr. H. K. Dave	RK University at Bhavnagar Highway, Tramba, Gujarat 360 020.	
14	Dr. H. K. Dave	LDRP Institute of Technology and Research affiliated by Kadi Sarva Vishwavidyalaya, Gandhinagar, Gujarat 382 024	
15	Dr. H. K. Dave	Charotar University of Science and Technology,	

Mechanical Engineering Department			
Sr. No.	Name of Faculty Member	Name of the University/Institute	Remark
		Charusat Campus, Changa, Gujarat 388 421	
16	Dr. A A Shaikh	JNT University Anantapur* *ANANTAPUR April 2018	Ph.D. thesis STUDIES ON FLYASH PARTICULATE AND S-GLASS FIBER REINFORCED AI 4046 HYBRID METAL MATRIX COMPOSITES submitted by Mr. MALLIKARJUNA B E [Reg. No.13PH0316] , in faculty of *Mechanical Engineering
17	Dr. A A Shaikh	JNTUH – Kukatpally, Hyderabad - 500085 Telangana State.	Ph. D Thesis Evaluation of Mr. M Venkateswara Kishore, HT.No. 1203PH1529
18	Dr. Tushar N. Desai	Rashtrasant Tukadoji Maharaj, Nagpur University	Appointed as a referee of two Ph. D candidates
19	Dr. Tushar N. Desai	D. J. Sanghvi College of Engineering, University of Mumbai	Appointed as a referee for Ph. D exam

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	Score
Performance Audit			
1 st	27-29 August 2018	Dr. S.P.Kallukar	1.38
2 nd	21-23 August 2019	Dr. S.P.Kallukar	1.21
Mentorship Program			
1 st	16-17 October 2018	Dr. Sarvesh Chandra	NA
2 nd	3-4 April 2019	Dr. Sarvesh Chandra	NA

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 to 1.21. This was highly satisfactory as evaluated by the TEQIP Performance auditor.

Fund Utilization Details: (As on March-2019)

Sr. No	Head Name	Amount (in lack)
1	Procurement	162.58
2	Mentoring/Twinning	5.46
3	Research & Development	11.53
4	Faculty & Staff Development	37.29
5	Industry-Institute Interaction	0.16
6	Management Capacity Development	4.51
7	Reforms	2.50
8	Improve Student Learning	3.05
8	Weak Students support	5.03
9	Services	2.53
10	Incremental Operating Cost	17.64
	TOTAL	252.28

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	"Biodiesel Purification: Preparation of Novel Biodegradable Purification Material from Saw Dust and Development of Cutting Cost Dry Wash Biodiesel Purification Technology	Dr. Bharat Dholakiya	INR. 13,90,000 02(0170)/ 13/EMR-II	3 years	21/10/2013	Completed (19/09/2018)
2	Development of surface functionalized metal-doped nanoparticles as fluorescent probes for sensing trace level of heavy metals in environmental matrix. (Sanction No.: 37(2)/14/07/2015/ BRNS/ 10401 Dated: 11/06/2015)	Dr. K. Suresh Kumar	Rs. 31,31,400/-	2015 - 2019	June 2015	On-going
3	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
4	Development of novel supramolecular sensing systems using fluorescent quantum dots	Dr. Suban Sahoo	39 lacs	4 Years	23rd May 2015	Completed
5	Microstructural Aggregates in the Task-Specific Biodegradable Surface Active 'Greener' Ionic Liquids	Dr. Naved Malek	6.39 Lakhs	3 Years	01.01.2018	Running
6	Use of Inorganic/ Hybrid ion exchanger for the removal of toxic metals from industrial waste water, DST, New Delhi, Govt. of India	Dr. Kalpana Maheria	31.4 Lakhs	4 years	March 2015	Completed
7	Aggregation of amphiphilic copolymers in deep eutectic solvent-water mixed systems	Collaborative Research Scheme of University Grants Commission- Department of Atomic Energy, INDIA.	INR. 6,44,705	3 years	01/01/2017	Ongoing
8	Functional Variants of Mussel Inspired Biomaterial Surfaces: Effect of Surface Functional Groups on Antibiofilm Properties	Dr. Rajender Kumar	28,91,000/-	3 years	March 2016	Completed
9	Polydopamine based Nanoparticles with Antimicrobial and anti-arsenic properties for water disinfection and Remediation	Dr. Rajender Kumar	44,30,000/-	3 years	November 2017	Ongoing

APPIED MATHEMATICS & HUMANITIES DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Study on nonlinear partial differential equations arising in ground water recharge phenomena on fluid flow through media	Dr. Twinkle Singh (as a Investigator)	1,10,000 /- (GUJCOST)	Two Years	Thu, Sep 24, 2015	Ongoing
2	Study on Magnetohydrodynamic flows under different physical conditions	Dr. Twinkle Singh (As a Co-Investigator)	2,00,000/- (GUJCOST)	Two Years	Tue, Apr 5, 2016	Completed (2018)
3	Computational study on multi-dimensional Stefan problems in biological tissues based on non-Fourier heat transfer model using mesh-free method	Dr. Sushil Kumar (PI)	1620518.00	05 Jun 2018 - 04 Jun 2021	05 Jun 2018	Ongoing
4	Bioinformatics Infrastructure Facility	Dr. Neeru Adlakha	20 Lakhs	5 years extended by three years	2011	Completed
5	SERB Project on "Extended Wright type Hypergeometric Functions"	Dr. R. K. Jana	Rs.15,15,360/ -	3 years	22.07.2016	Ongoing

APPIED PHYSICS DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	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
2	SERB Project - Novel nanomaterials structure, growth, electronics, magnetic and optical properties	Dr. Debesh Ranjan Roy	600,000	3 years	20.09.13	Ongoing
3	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

APPLIED PHYSICS DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
4	SERB Project – Properties of mesons using QCD inspired models	Dr A K Rai	1,284,000	3 years	01.11.13	Completed
5	SERB Project – Strongly – correlated electronics materials, Topological quantum materials – materials	Dr L K Saini	1,404,000	3 years	24.02.14	Ongoing
6	SERB Project - Performance of latest IRI Model	DrShitalKaria	2,980,000	3 Years	18.11.15	Ongoing
7	SERB Project Extended Wright Type Hypergeometric Functions	Dr R K Jana	1,515,360	3 years	22.07.16	Ongoing
8	SERB Project - Novel perovskite-based solar cells : Investigation of potential properties using ab-initio approaches	Dr Y A Sonavne	3,009,000	3 years	02.03.17	Ongoing
9	Development of Novel Cluster Assembled Material from Potential Cluster Motifs : A new Insight under density Functional Investigation	DrDebeshRanjan Roy	2,769,594	3 Years	18.07.17	Ongoing
10	conducting polymer nanocomposite (CPC) for selective and sensitive sensor detection of explosive array	drswatisaxena	1,920,000	2 years	25.09.18	Ongoing
11	FIST-2017	Dr. Vipul Kharej	11,800.00	2 Years	16.01.18	Ongoing
		TOTAL	30,197,404			

APPLIED MECHANICAL DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Performance and design evaluation of test tracks of flexible pavements with waste materials in subbase and base layers	Dr.Satyajit Patel & Dr.C H Solanki	161.15	June, 2016 to May, 2019	05th May 2016	Ongoing
2	Experimental and numerical studies on geosynthetics reinforced fly ash as a construction material	Dr. Satyajit Patel	2.30	May, 2018 to April, 2019	19th Feb. 2018	Ongoing

CIVIL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Securing Water for Agricultural and Food Sustainability: Developing Transdisciplinary Approach to Groundwater Management (Collaborative International SPARC project)	Dr. J. N. Patel (With other Investigators from different universities/Institutes of India, Australia and USA)	58.51 Lacs	April 2019 to March 2021	April 2019	On going
2	Impact of Climate Change on Water Resources of Tapi Basin	PI: Dr. P. L. Patel (SVNIT) Co-PI: Dr. Rohit Goyal (MNIT, Jaipur) Dr. Vishnu Prasad (MANIT, Bhopal) Dr. P. V. Timbadiya (SVNIT)	135.84 Lakhs	3 years	March 19, 2018	Ongoing
3	Impact of Climate Change on Water Resources of Sabarmati Basin	PI: Dr. Vimal Mishra (IIT, Gandhinagar) Co-PI: Dr. P. L. Patel (SVNIT)	84.91 Lakhs	3 years	March 19, 2018	Ongoing
4	Recirculating Sediment Transport Flume	PI: Dr. V. L. Manekar (SVNIT) Co-PI: Dr. P. L. Patel (SVNIT)	175 Lakhs	2 years	2013	Ongoing
5	Development of Framework to Measure Sustainability Index of Transportation Systems in Indian Metropolitan Cities	Dr.S.Arkatkar Dr. G. J. Joshi	82.30 lakhs	2019-2021	28-02-2019	Ongoing
6	Flow Structure and Turbulence	Dr.V.L.Manekar Dr J Banerjee Dr P L Patel	Rs 175/- Lakh	Feb 2015-Jan 2020	--	Ongoing
7	Development of Framework to Measure Sustainability Index of Transportation Systems in Indian Metropolitan Cities	Dr. Shrinivas Arkatkar	82.30 lakhs	2019-2021	28-02-2019	Ongoing
8	Study of traffic flow on Expressways in India	Dr. Shrinivas Arkatkar	21.74 lakhs	2016-2019	01-12-2015 to 31-05-2019	Completed
9	Traffic and Pedestrian Movement Analysis at Undesignated Pedestrian Crossings on Urban Midblock Sections	Dr. A.Dhamania	23.91 Lakhs	-	August 2016	Ongoing
10	Performance Monitoring of PMGSY roads in South Gujarat Region (21 Roads)	Dr. A.Dhamania	2.5% of Project Cost		June 2017	Ongoing
11	Impact of Climate Change on Water	Dr. P L Patel (PI)	135.84 Lakhs	Three years	March 31,	On going

CIVIL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
	Resources of Tapi Basin	Dr P. V. Timbadiya (Co-PI)			2021	
12	Preparation of State of the Art Report (SOAR) on Preparation of Construction Safety manual	Dr D A Patel	Rs. 8.3690 Lakhs	13 February 2018 – 13 February 2020	13 February 2018	Ongoing
13	IT Indian Heritage Platform: Enhancing cultural resilience in India by applying digital technologies to the Indian tangible and intangible heritage	Dr D A Patel	Rs. 10 Lakhs	14 February 2018 – 14 February 2020	14 February 2018	Ongoing

CHEMICAL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
NIL						

COMPUTER ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Collaborative Research Project SCMXpert (USA)	Dr. U D Dalal (ECED) Dr. S N Shah (ECED) Dr. S J Patel (COED)	2,00,000-	May 2019-Oct 2019		

ELECTRICAL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Development of Control Algorithms for Shunt and Series connected Custom Power Devices Science and Engineering Research Board -New Delhi (Under Extra Mural Research Funding Scheme)	Dr. Sabha Raj Arya	44.10 Lakhs	3 year (2016-2019)	17 August 2016	On going
2	Development of Adaptive control algorithm for shunt compensator Gujarat Council on Science and Technology (GUJCOST) Gandhinagar	Dr. Sabha Raj Arya	1.94 Lakhs	2 year	27 th June 2016	On going

ELECTRONICS ENGINEERING DEPARTMENT						
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	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 Iono 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	Ongoing
5	Visvesvaraya Project – Young Faculty Research Fellowship & Research Grant	Dr. P. N. Patel	Total Sanction Rs. 37,00,000/- Fund release for 1 st 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 st year Rs. 12,79,590/-	3 Years	10/08/2018	Ongoing
7	Fractal Metamaterials and its application to Wearable Antennas	Dr. Kirtinamdar (Mentor-Dr (Mrs) U D Dalal)	Rs. 14,24,420/-	3 Years	20/02/2018	Ongoing
8	Testbed Design for Spectral Sensing of Cognitive Radio with 5G Applications	Joint collaborative Project Dr Sanjay Soni, MMMUT (PI) and Dr Mrs U D Dalal (Co-PI)	Approx.. 18 lakhs	2 years	May 2019	Ongoing

MECHANICAL ENGINEERING DEPARTMENT						
No.	Name of Project	Name of Co-ordinator	Grant Sanctioned	Duration	Date of Allotment	Status
1	Investigation on the influence of Machining Parameters in the Machining of Carbon epoxy composite with AWJM to improve surface finish and minimize defects	Dr. Shailendra Kumar	Rs. 22.95 Lakh	2015-2018	02/2015	Completed
2	India-Slovenia bi-lateral research project entitled "Optimization of Sustainable Advanced Manufacturing Processes"	Dr. R. V. Rao	Rs. 12,70,000	3 years	2018	Completed in September 2018.
3	Study of Effect of Tooling on Formability of 6XXX Aluminum Alloys during Single Point Die-less Rapid Prototyping (Incremental Forming)	Dr. H. K. Raval Dr. K. P. Desai	5,00,000/-	3 years	26/11/2014	Completed
4	Investigation on Bending Forces and Friction Co-efficient during Continuous Bending of Conical Shells on 3-Roller Bending Machine. (No.SR/S3/MERC /0047/2011. dated 13/04/2011)	Dr. H. K. Raval	33,00,000/-	4 Years	13/04/2011	Completed
5	Performance optimization of air conditioning system for automotive sector using new low GWP R1234yf refrigerant	Dr.A D Parekh	21,45000/-	3 years	Jan-2019	ongoing
6	Study on Slurry Erosion Behaviour of High Entropy alloy coating	Dr. J. V. Menghani	27.72.000	2 years	October 2017	Ongoing
7	Study of pairing effect on mechanical properties of hybrid composite prepared using VARTM	Dr. H. K. Dave	2,00,000/-	6 Months	25/07/2019	Ongoing
8	Combustor Technology Development for Small Gas Turbine / Turbofan Engine	Dr. S. A. Channiwala	174.22 Lacs	2 Years	2017	Ongoing
9	Design, Development and Demonstration of an Aerodynamically Advanced Un-Manned Air Vehicle for Stealth and Heavy Payload Applications	Dr. S. A. Channiwala Dr. Beena Baloni Dr. M. A. Zaveri Dr. J. J. Patel Dr. A. A. Shaikh	593.955 Lacs	2 Years	2017	Ongoing
10	Development of Hybrid Plasma Gasification Technology for MSW Management	Dr. S. A. Channiwala	60 Lacs	3 years	2018	Ongoing
11	Mathematical Modeling of Thermal Dispersion of Effluent released into Moticher Lake at KAPS	Dr. J. Banerjee Dr. R. A. Christian	30.31 lacs	3 years	2014-2018	Completed

(b) Consultancy Details:

APPLIED MECHANICS 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.	Year
1	Condition Assessment, Design Proof Checking, Mix Design, NDT etc.	Organization in surrounding area engaged in construction activities	Faculty members of Applied Mechanics Department	7,55,45,279.00	2018-19
2	Soil Investigation	Organization in surrounding area engaged in construction activities	Faculty members of Applied Mechanics Department	50,53,880.00	2018-19

CIVIL 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.	Year
1	Vetting of Design of Closed Conduit, Road Bridge, Syphon, Super Passages, Culverts	NBCC (India) Limited, Nagpur / Sungrace Engineering Project Private Limited, Pune	Dr. J. N. Patel, Dr. C. D. Modhera, Dr. S. A. Vasanwala	12.50	2017-18 2018-19
2	Third Party Inspection (TPI) for the Work of Providing and Laying I.S.I. Mark RCC NP3 / NP4 Class Pipes having S&S Rubber Ring Joint Drainage Line including Manhole Pumping Station for remaining work of Sewerage Network of Dumas & Bhimpore Sewage Pumping Stations, under South-West (Athwa) Drainage Zone, Surat.	Surat Municipal Corporation, Surat	Dr. J. N. Patel	1.88	2017-18 2018-19
3	Consultancy Service for Rain Water Harvesting Project	Resilience Strata Research and Action Forum, Surat	Dr. J. N. Patel	4.30	2018-19
4	Vetting of Structural Design and Drawing of	Dream Construction,	Dr. C. D. Modhera,	3.00	2018-19

CIVIL 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.	Year
	Ahmednagar Underground Drainage Scheme (AMRUT)	Nandurbar	Dr. S. A. Vasanwala, Dr. J. N. Patel	1.27	
5	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		2017-18 2018-19
6	Drainage Plan for Vaghrech Recharge Project, Tal. Gandevi, Navsari, Gujarat	Design Point Consultant Pvt. Ltd., Surat	PI: Dr. P. L. Patel (SVNIT) Co-PI: Dr. P. V. Timbadiya (SVNIT)	13.50 Lakhs	1 year
7	CFD Simulation of Flow through Turbine units including tail race channel of Maneri Bhari-I Hydro-electric project for finalization of outfall gates in tail-race	Uttaranchal Jal Vidhyut Nigam Ltd.	PI: Dr. P. L. Patel (SVNIT) Co-PI: Dr. J. Banerjee (MED, SVNIT)	14.90 Lakhs	9 Months
8	Appointment as T.P.I. Agency for the work of Development of Integrated Group Housing facilities at Anjana Tenements on F.P. No.98, T.P. Scheme No.7 (Anjana) on PPP basis under Redevelopment of Public Housing Scheme-2016 for total 416 Du's and 06 Shops (PHC) and Construction of 486 Units (AHC).	Surat Municipal Corporation, Surat	Dr. S.M. Yadav	22,13, 000	
9	Consultancy service for suggesting soil treatment for water retention, side protection including its design, estimation and supervision for Pal lake at F.P. No.43, T.P. Scheme No.15 (Pal) and Khatodara lake at F. P. No.161, T.P. Scheme No.06 (Majura-Khatodara) within S.M.C. Limit.	Surat Municipal Corporation, Surat	Dr. S.M. Yadav	6,00,000	
10	Appointment of TPQA agency for Affordable Housing in Partnership (AHP) Component of PMAY (U) for Baldevi site-I and Ambedkar Nagar for Silvassa Municipal Council.	Silvassa Municipal Council, Silvassa	Dr. S.M. Yadav	63,00,000	
11	Third Party Inspection (TPI) for the work of Providing and Laying 400mm dia. DI Rising main line from Proposed Magob Sewage Pumping Station to Puna Sewage Pumping Station in South East Zone (Limbayat).	Surat Municipal Corporation, Surat	Dr. S.M. Yadav	87,000	
12	Remedial measures and estimate for crack repairing for the work of 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 Infrastructure Developers Limited	Dr. S.M. Yadav	60,000	
13	Consultancy Services for the detailed design and study of damaged platforms and Roads of KRIL PFT Hazira.	Kribhco Infrastructure Limited	Dr. S.M. Yadav	4,80,000	
14	Hydrodynamic modeling of channelization of various river reaches of Uttarpradesh.	Irrigation and Water Resource Department, Government of Uttar Pradesh (Various Barrage Mechanical Maintenance Divisions)	Dr. S.M. Yadav	Approximately 15,00,000	
15	Regarding Proof Checking of design and drawing of Nursing College and Hostel Building. (Construction of Nursing College and Hostel Building at Govt. Hospital, Nani Daman)	Administration of U.T., of Daman and Diu, PWD, WD-I, Daman	Dr. S.M. Yadav	Approximately 3,75,000	
16	Vetting of Structural design and drawings prepared by our consultant for check dam at various places in U.T. of D&NH, Silvassa.	Administration of Dadra and Nagar Haveli, U.T., Public Works Department, Civil Division No. III	Dr. S.M. Yadav	30,00,000	

CIVIL 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.	Year
		(Irri.), Silvassa			
17	Proof Checking of Design and Drawings of Minor Bridge at CH:37+130 for the work of 4-Lane with paved shoulder configuration of Bilaspur-Pathrapali (Km.0+000 to Km.53+300) section of NH-111 (New NH-130) in the State of Chhattisgarh under Bharatmala on Hybrid Annuity basis.	Translink Infrastructure Consultants Pvt. Ltd.	Dr. S.M. Yadav	Approximately 12,00,000	
18	Third Party Inspection for following works a) Integrated Water Management Plan for Dadra Patelad including approach roads to all (intake well, rising main WTP-7 MLD and Pumping machineries), Silvassa. b) House to House Water Supply Scheme including ESR, UGSR and their approach road for Rakholi, Kilvani, Khanvel, Randha, Dapada and Amboli Patelad, Silvassa. c) House to House Water Supply connection with ESR and UGSR including reconstruction of road in Dadra Patelad, Silvassa.	Administration of D&NH, U.T., P.W.D., Civil Division No. III (D.P.), Silvassa.	Dr. S.M. Yadav	Approximately 1.00% of total Project Cost	
19	Proof Check of Structural design for the work of Construction of Hydraulic Structure and approach road upto Khadoli, at Silvassa, D&NH.	U.T. Administration of D&NH, O/o. Executive Engineer, P.W.D., District Panchayat, Silvassa.	Dr. S.M. Yadav	17,73,000	
20	Regarding Proof Checking of Design and drawing of Construction of Flexible pavement along the canal, Ratanpur, Panchmahal, Godhra.	Royal Infra Engineering Pvt. Ltd.44 (Shree Gautam Construction Company Limited)	Dr. S.M. Yadav	2,25,000	
21	Hydrodynamic modeling (2D) of channelization of Elgin-Charsadi dam on Ghaghra river of Janpad Gonda.	Irrigation and Water Resource Department, Government of Uttar Pradesh (Barrage Mechanical Maintenance Division, Varanasi)	Dr. S.M. Yadav	2,50,000	
22	Providing Advisory Services Including Preparing a detailed Manual/Guideline for road works within Surat City.	Surat Municipal Corporation, Surat	Prof G J Joshi	10.20/-	2018-2019
23	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	Prof G J Joshi	12.00/-	2018-2019
24	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 AnuvratDwar to Surat-Dumas road via G. D. Goenka School & From Sachin-Magdalla road (Mangalam Heights) to Jamanaba Park.	Surat Municipal Corporation, Surat	Prof G J Joshi	12.00/-	2018-2019
25	Providing Consultancy for comprehensive Planning & Engineering design for rigid and flexible pavements, on either side of existing canal, storm water drainage network etc. and allied works from BRTS Panas to Breadliner circle- Soham circle uptoBhimrad Village.	Surat Municipal Corporation, Surat	Prof G J Joshi	15.00/-	2018-2019
26	Providing Consultancy Services for Survey and Design of Road Intersections within Surat City.	Surat Municipal Corporation, Surat	Prof G J Joshi	250.00/-	2018-2019

CIVIL 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.	Year
27					
28	Consultancy Services for Inspection of Channel and Pipeline in certain section of the channel. (VECL Channel Inspection during Annual Shutdown 2019).	Vadodara Enviro Channel Limited VECL Resource Management-	Dr. R. A. Christian, Dr. A. K. Khambete, Dr. K. D. Yadav, Dr. N. D. Jariwala	5,35,000/-	2018-19
29	Review of existing water treatment efficiency, limitations and exploring scope for advance water treatment at various water works of Surat Municipal Corporation including critical locations like Rander and Katargam Water Works.	SMC, Surat	Dr. R. A. Christian, Dr. A. K. Khambete, Dr. K. D. Yadav, Dr. N. D. Jariwala	Rs.11,50,00 0/-	2018-19
30	Accuracy/ Performance and Vetting of Integrated Fixed Film Activated Sludge (IFAS) Technology	Plasana Enviro Protection Limited, Surat	Dr. R. A. Christian, Dr. A. K. Khambete, Dr. K. D. Yadav, Dr. N. D. Jariwala	Rs 10,00,000/-	2018-19
31	Providing Third Party Inspection (TPI) for the work of Providing and Laying drainage line of I.S.I. Make R.C.C. NP3/NP4 pipe having spigot and socket rubber ring joint including manhole pumping station & rising main for AZADNAGAR RASULABAD AREA, Surat.	SMC	Dr.V.L.Manekar	Rs.1,17,094 /- + S.T.	2019
32	Third Party Inspection (TPI) for the work of Construction of diversion wall with sluice gate at Gadhpur, Valak and Varachha creek for Tapi Shuddhikaran Project under NRCP.	SMC	Dr.V.L.Manekar	Rs.1,66,606 /- + S.T.	2019
33	Consultancy services for technical audit and quality assurance for road works under Tapi (R & B) Division Vyara	Road and Building Department, Vyara	Dr.S.S.Arkatar	23.0/-	2018-2019
34	Providing Advisory Services Including Preparing a detailed Manual/Guideline for road works within Surat City.	Surat Municipal Corporation, Surat	Prof G J Joshi	10.20/-	2018-2019
35	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	Prof G J Joshi	12.00/-	2018-2019
36	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	Prof G J Joshi	12.00/-	2018-2019
37	Providing Consultancy for comprehensive Planning & Engineering design for rigid and flexible pavements, on either side of existing canal, storm water drainage network etc. and allied works from BRTS Panas to Breadliner circle- Soham circle upto Bhimrad Village.	Surat Municipal Corporation, Surat	Prof G J Joshi	15.00/-	2018-2019
38	Traffic Study for junction improvement scheme for Sahara Gate Junction, Surat.	Surat Municipal Corporation, Surat	Dr. Ashish Dhamaniya	10.00/-	2018-2019
39	Providing consultancy for detailed engineering design for rigid and flexible pavement of 36.00mt wide T.P. road from VIP circle to Abrama check post in East Zone.	Surat Municipal Corporation, Surat	Dr. S.S. Arkatar	10.00/-	2018-2019
40	Providing Consultancy Services for Survey and Design of Road Intersections within Surat City.	Surat Municipal Corporation, Surat	Prof G J Joshi	250.00/-	2018-2019
41	Consultancy Services related to safety evaluation on BRT corridor in Surat City.	Surat Municipal Corporation, Surat	Dr. S. S. Arkatar	15.52/-	2018-2019
42	Construction of flexible pavement two-lane	Surat Urban	Dr.S.S.Arkatar	2.57/-	2019

CIVIL 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.	Year
	service road starting from Chainage 0.0 m at Kamrej Char Rasta NH 48 to towards Ahmedabad up to Kholvad Village Road Ending Chainage 14.100	Development Authority			
43	Construction of Four lane flexible pavement starting from chainage 0.0 m at Kholvad-Bhada village road ending to chainage 2153.0m Surat-Kamrej Highway in between Shayamnagar-Diamondnagar, T p schemeno-47 (Kholvad-Bhada), 30 m Row Road for Surat Urban Development Area	Surat Urban Development Authority	Dr.S.S.Arkatar	2.92/-	2019
44	Widening of existing single lane road to two lane road from Laskanapatia (Surat-Kamrej road) starting chainage 0.0 m to Kholvad village ending chainage 4130.0 m in TPS-47 (Kholvad-Bhada), & TPS 48 (Kholvad) including slab culvert in Surat Urban Development Area	Surat Urban Development Authority	Dr.S.S.Arkatar	2.39/-	2019
45	Widening of existing TWO lane road to THREE lane road from Valthan NH-48 starting chainage 0.0 m to Simada junction ending chainage 6900.0 m in GI pipe railing both sides of canal and existing culverts abd irrigation pipe extension in Surat Urban Development Area	Surat Urban Development Authority	Dr.S.S.Arkatar	7.28/-	2019
46	Signalized Intersection Design and Safety Evaluation in city of SURAT	Surat Municipal Corporation, Surat	Dr. A.Dhamania	2.50 Crore	2018-2020
47	Road Safety Audit for various roads of R&B Department in South Gujarat region.	Road & Building Department Surat	Dr. A.Dhamania	10 Lakhs	Ongoing
48	Traffic Survey and Feasibility report for Foot over Bridge (FoB) at various locations in Surat City	Surat Municipal Corporation, Surat	Dr. A.Dhamania	6.0 Lakhs	Ongoing
49	Design of Cross Section for C.C. Pavement for 30.00 mt. wide road from Surat Navsari Road to Dindoli Flyover Bridge in South Zone of Surat City	Road Development Department, Surat Municipal Corporation, Surat	Dr. A.Dhamania	4.72 Lakhs	Completed
50	Performance Evaluation Study Report for work of Anti Sear Erosion work of Sangamnarayan Temple to Gayatri Temple at Dwarka Dist: Dev Bhoomi Dwarka	Salinity Control Division, Jamnagar	Dr. P L Patel Dr. P V Timbadiya Dr. S R Gandhi	3.6 Lakhs	2018
51	Consultancy for expert opinion for dredging in upstream of Singanpore Weir.	Tapi Embankment Sub Division 3, Drainage Division No.2, Surat	Dr. P. V. Timbadiya	2.6 Lakhs	2018
52	Testing of 125 HP, 3 Nos. of Sewage Submersible Pump Set.	Vadodara Municipal Corporation	Dr. P. V. Timbadiya	0.12 Lakhs	2018
53	Consultancy Services for Inspection of Channel and Pipeline in certain section of the channel. (VECL Channel Inspection during Annual Shutdown 2019).	Vadodara Enviro Channel Limited VECL Resource Management- (From 1-Apr-2018)	Dr. K D Yadav Dr. P. V. Timbadiya Dr. R A Christian Dr. N D Jariwala	5.4 Lakhs	2018
54	Drainage Plan for Vaghrech Recharge Project, Tal. Gandevi, Navsari, Gujarat	Design Point Consultant Pvt. Ltd., Surat	Dr. P. L. Patel Dr. P. V. Timbadiya	13.50	2019
55					
56	Third party inspections of different buildings of SMC Surat	Surat Municipal Corporation, Surat	Dr D A Patel	265557	2018-19
57	PMC of 'Public Bicycle Sharing' project under PPP model	Surat Municipal Corporation, Surat	Dr D A Patel	30000	2018-19
58	Safety consultant for Laxmi Construction Ahmedabad for the project of construction of Sewerage Systems of Bhubaneswar District, I, II, & IV, OWSSB, Orissa	OWSSB Bhubneswar	Dr D A Patel	-	2018
59	Appointment as Project Consultant for the work of Garden Waste Disposal of S.M.C.	SMC, surat	Dr K D Yadav Dr Namrata	Rs.6,00,000 /-	March-2019

CIVIL 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.	Year
	regarding Project's equipment/Machinery Installation, Operation and Maintenance according to Designing of Garden Waste Process Plant		Jariwala		
60	Consultancy Services for Kim River Water Quality Study during water canal stoppage/restart condition. Letter dated:16/01/2019	Grasim Industries Limited, kosamba	Dr K D Yadav Dr P V Timbadiya Dr Namrata Jariwala	Rs. 25,000/-	February 2019
61	Consultancy Services for Inspection of Channel and Pipeline in certain section of the channel. (VECL Channel Inspection during Annual Shutdown 2019).	Vadodara Enviro Channel Limited VECL Resource Management-	Dr R A Christian Dr A K Khembete Dr K D Yadav Dr P V Timbadiya Dr Namrata Jariwala	Rs.5,35,000/-	January-19 to May 2019
62	Review of existing water treatment efficiency, limitations and exploring scope for advance water treatment at various water works of Surat Municipal Corporation including critical locations like Rander and Katargam Water Works.	SMC, Surat	Dr R A Christian Dr A K Khembete ,Dr K D Yadav Dr Namrata Jariwala	Rs.11,50,000/-	October 2018 to on going
63	Accuracy/ Performance and Vetting of Integrated Fixed Film Activated Sludge (IFAS) Technology	Palsana Enviro Protection Limited, Surat	10,00,000/-	Dr R A Christian Dr A K Khembete Dr K D Yadav Dr Namrata Jariwala	June 2019 On going
64	TPI for construction of Hostel building-Officers building at Valmi campus, TPS No-4 (Umr-South), FP No-133 in South West (Athwa) zone, Surat Municipal Corporation, Surat.	Surat Municipal Corporation	B. N. Tandel	0.72	Ongoing
65	Providing TPI services for the work of construction of 97 lakhs litres capacity RCC UGSR with booster house (WDS-5) including compound wall with gate, toilet block and security cabin at R-6, TP-78 (Dumas-Bhimpore-Gaviar) & R-22, R-24, TP-77 (Dumas-Bhimpore-Gaviar) in new South West Zone, Surat.	Surat Municipal Corporation	B. N. Tandel	2.44	Ongoing
66	Providing Third Party Inspection (TPI) for work of construction of 25 x 25 meter size swimming pool at TP scheme no 24 (Mota Varachha Utran), FP no-178 (R-27) in Varachha zone area, Surat Municipal Corporation (SMC), Surat.	Surat Municipal Corporation	B. N. Tandel	0.71	Completed in May-2019.
67	Adequacy certification of ZLD system	M/s. Aarti Industries Ltd, GIDC Jhagadia	B. N. Tandel	2.00	Completed in Jan-2019.
68	Adequacy certification of Environmental Management System (EMS)	M/s. ChemieSynth (Vapi) Ltd., GIDC Vapi	B. N. Tandel	2.50	Completed in May-2019.
69	Adequacy certification of Environmental Management System (EMS) for zero liquid discharge (ZLD)	M/s. Colourtex Industries Pvt. Ltd. (UNIT-I) G.I.D.C. Sachin, Dist. Surat	B. N. Tandel	2.00	Completed in Feb-2019.
70	Adequacy-efficacy certification work of Spray Dryer System	M/s. Coromandel International Limited (Old name – Sabero Organics Gujarat Limited), GIDC Sarigam, Dist: Valsad	B. N. Tandel	0.60	Completed in July-2018.
71	Adequacy certification of Air Pollution Control Equipment (Bag Filter)	Kanishka Prints Pvt Ltd, GIDC Pandesara,	B. N. Tandel	0.35	Completed in Dec-

CIVIL 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.	Year
		Surat.			2018.
72	Environmental Audit as per GPCB guidelines	Aarti Industries Limited, (Alchemie Organics Division), GIDC Vapi, Dist: Valsad	B. N. Tandel	2.08	Completed in June-2019.
73	Environmental Audit as per GPCB guidelines	Birla Cellulose, AVP Birladham, Post: Kharach, Tal: Kosamba, Dist: Bharuch	B. N. Tandel	3.35	Completed in June-2019.
74	Environmental Audit as per GPCB guidelines	CETP of Gujarat Eco Textile park, Palsana Crossing, N H no 8, Palsana, Dist Surat	B. N. Tandel	1.11	Completed in June-2019.
75	Environmental Audit as per GPCB guidelines	Coromandel International Limited, GIDC Ankleshwar, Dist: Bharuch	B. N. Tandel	3.92	Completed in June-2019.
76	Environmental Audit as per GPCB guidelines	Kakrapar Atomic Power Station, Post: Anumala, Vyara, Dist: Tapi	B. N. Tandel	3.79	Completed in June-2019.
77	Environmental Audit as per GPCB guidelines	Solvay Specialities India Pvt Ltd, GIDC Estate PANOLI, Dist: Bharuch	B. N. Tandel	4.24	Completed in June-2019.
78	Environmental Audit as per GPCB guidelines	SHREE KAMREJ VIBHAG SAHAKARI KHAND UDHYOG MANDLI LTD, N.H.NO - 8, POST: NAVI PARDI, Taluka : KAMREJ Dist: Surat	B. N. Tandel	2.05	Completed in June-2019.

COMPUTER 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	Collaborative Research Project	SCMxpert (USA)	Dr. U D Dalal (ECED) Dr. S N Shah (ECED) Dr. S J Patel (COED)	2,00,000-	May 2019-Oct 2019

ELECTRONICS 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	Sensor node design	SCM xpert, USA	Dr (Mrs) U D Dala Dr.(Mrs.) S. N. Shah	1 lakh	3 months starting from 1 st June 2019
2	Middelware design	SCM xpert, USA	Dr (Mrs) U D Dalal	1 lakh	3 months starting from 1 st June 2019

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.	Third Party Inspection of 50 Buses for Surat BRTS of SMC	SMC, Surat	Dr. H. K. Raval	5,51,250/-	2017-18

2.	Local Air Testing & Biological Analysis of Water in various section of the plant	Nana Udyog , Sayan , Surat	Dr. S.A Channiwala Dr. J. V. Menghani	50,000/-	2018-19
3.	Waste to Wealth Projects	M/s. Glow Green Biotech, Surat	Dr. S.A Channiwala	8.10 Lacs	2018
4.	Third Party Inspection for 238 Nos. Chasis of BS-IV diesel fuelled Non AC Midi Buses for Surat City Bus Services for Surat Municipal Corporation	SMC, Surat	Dr. S.A Channiwala Dr. R. D. Shah Dr. P. V. Bhale	5.72 Lacs	2018
5.	Technical Advisor for Optimizing Performance of Textile Machineries	M/s. Texfab Engineers India Pvt. Ltd., Surat	Dr. S.A Channiwala	5.40 Lacs	2018
6.	Determination of Reasonable Penalty amount based on actual no. of days for repairing of facility Electrical / Mechanical machineries and letter of justification from contractor at Sewage Treatment Plant & Drainage Dept. of SMC	SMC, Surat	Dr. S.A Channiwala Dr. A. A. Shaikh	1.62 Lacs	2018
7.	Consultancy for Analysis of performance and maintenance of 1MWE Sewage plant at Singanpore, Karanj and Bhatar	SMC, Surat	Dr. S.A Channiwala Dr. A. A. Shaikh	Rs. 50,000/-	2019
8.	TPI OF 300 Buses /Body building works	SMC, Surat	Dr. K. P. Desai Dr. A. A. Shaikh Dr. P. V. Bhale Dr. R. D. Shah	Rs 472000	2018

(c) Testing details

No.	Testing Project	Name of Organisation	Amount
APPLIED CHEMISTRY DEPARTMENT			
1.	TGA Testing Work (Dr. Kalpana Maheria)	Department of Physics, UkaTarsadia University	0.0118 Lakh
2	TGA Testing Work (Dr. Kalpana Maheria)	ChED, SVNIT	0.03
3	TGA Testing Work (Dr. Kalpana Maheria)	ChED, SVNIT	0.03
4	TGA Testing Work (Dr. Kalpana Maheria)	AMD, SVNIT	0.02
5	TGA Testing Work (Dr. Kalpana Maheria)	AMD, SVNIT	0.04
6	TGA Testing Work (Dr. Kalpana Maheria)	AMD, SVNIT	0.02
7	TGA Testing Work (Dr. Kalpana Maheria)	ChED, SVNIT	0.07
8	TGA Testing Work (Dr. Kalpana Maheria)	ChED, SVNIT	0.01
9	TGA Testing Work (Dr. Kalpana Maheria)	MED, SVNIT	0.03
APPLIED MECHANICS DEPARTMENT			
1	Routine Testing like, brick, cube, steel, tiles ,Mix Design, Soil Testing etc.	Organization in surrounding area engaged in construction activities	Total Rs. 87,38,146.00
CIVIL ENGINEERING DEPARTMENT			
1.	Testing of water and wastewater samples	Various agencies	Rs 50,000
2	Third party testing of water samples of all water works, water distribution station and overhead tanks on urgent basis	Surat Municipal Corporation, Surat	2,35,000/-

3	Analysis of water sample of Variav Khadi and Rander water work	Surat Municipal Corporation, Surat	1,50,000/-
4	Testing of water and waste water sample analysis in Env. Engg. Lab by MMA and NDJ	For R & B Dept. Govt. of Gujarat, and other agency	2,48,591/-
5	Third party testing of water samples of all water works, water distribution station and overhead tanks on urgent basis by RAC and NDJ	SMC, Surat	2,35,000/-
6	Analysis of water sample of Variav Khadi and Rander water work	SMC, Surat ndj rac	1,50,000/-

ELECTRICAL ENGINEERING DEPARTMENT			
Sr. No.	Testing Project	Name of Organisation	Amount
1	CT, meter and cable etc.	Indian Women Fashions Pvt Ltd	2360
2		Pigeon Textile Processors	2360
3		Kavya Hospitality	2360
4		KejriwalGeotechPvt Ltd	1770
5		Goldi Green Technologies Pvt Ltd, Surat	1770
6		MarudharSpining Mills Pvt Ltd	1770
7		Ashok Weaving Indstires	1770
8		Jai Research foundation, Vapi	1770
9		Sumul 30TPD Powder Plant	2360
10		Diamond Nation	3540
11		Navitas Green Solution Pvt ltd	1770
12	CT	M/s, Laksh Solar	1770
13	Cable	M/s, Chief Officer, SMC, Silvassa	8260
14	Meter & CT	M/s, Jenil Enterprise PVT. LTD	2360
15	Meter	M/s, K D Bhatia & P Mills Pvt Ltd	590
16	Meter & CT	M/s, Surat Dyeing & Printing Ltd	2360
17	CT	M/s, L & T - MHPS Turbine Generators Pvt. Ltd.	1770
18	Meter	M/s, Shrinath TEX Prints Pvt. Ltd	590
19	CT	M/s, aaiswarya Dyeing Mills p Ltd	1770
20	Meter & CT	M/s, Prqyqgrqt DYING 7 PRINTING Mill Pvt. LT	2360
21	CT	M/s, ShyamTexturisers Pvt. Ltd.	1770
22	Meter	M/s, S. L. Banthia Textiles Industries Pvt. Ltd.	2360
23	CT	Shrimad RajchandraAdhyatmikSatsangSadhana Kendra, Dharampur, Valsad	1770
24	CT	M/s, Gokulanand Petro Fibres	1770
25	CT	M/s, Nagindas H Bhayani	1770
26	CT	M/s, Executive Engineer	1770
27	CT	M/s, Goldstab Organics Pvt. Ltd.	1770
28	CT	M/s, Suraj Dyeing & Printing Ltd.	1770
29	Meter & CT	M/s, Gujarat State Road, Transport ST Depot	2360
30	Meter & CT	M/s, Vidhyavihar Foundation	2360
31	Meter & CT	M/s, Jayveer Enterprise Pvt. Ltd.	2360
32	Meter & CT	M/s, Jayveer Enterprise Pvt. Ltd.	2360
33	CT	M/s, Garrison PolysacksPvt Ltd	1770
34	CT	M/s, RadhadarshanPetripack LLP	1770
35	Meter & CT	M/s, B. N. Papers	2360
36	Meter & CT	M/s, Instakart Service Pvt Ltd	4720
37	Meter	M/s, JJ PV Solar Privat Ltd	1770
38	Meter & CT	M/s Shree RaghukulTexprints Pvt. Ltd.	2360
39	Meter	M/s, G C MMF Ltd.	295
40	Meter & CT	M/s, Aaiswarya Dyeing Mills P L	2360
41	Meter	M/s, Diamond Nation	1770

ELECTRICAL ENGINEERING DEPARTMENT			
Sr. No.	Testing Project	Name of Organisation	Amount
42	CT	M/S, Laksh Solar	1770
43	Cable	M/S, Chief officer SMC, Silvasa	8260
44	Meter & CT	M/S, Jenil Enterprise Pvt. Ltd	2360
45	Meter	M/S, K D Bhatia & P Mills PVT LTD	590
46	Meter & CT	M/S, Surat Dyeing & Printing Ltd	2360
47	CT	M/S, L & T MHPS Turbine Generators Pvt. Ltd	1770
48	Meter	M/S, ShrinathTex Prints Pvt Ltd	590
49	CT	M/S, Aaiswarya Dyeing Mills P Ltd	1770
50	Meter & CT	M/S, Prayagrat Dyeing & Printing Mills Pvt. Ltd	2360
51	CT	M/S, ShyamTexturisers Pvt. Ltd	1770
52	Meter & CT	M/S, S L Banthia Textiles INDUSTRIES Pvt. Ltd	2360
53	CT	M/S, Shrimad RajchandraAdhyatmikSatsangSadhana Kendra	1770
54	CT	M/S, Gokulanand Petro Fibres	1770
55	CT	M/S, Nagindas H Bhayani	1770
56	CT	M/S, Executive Engineer, SudaBhavan	1770
57	CT	M/S, Goldstab Organics LTD	3540
58	CT	M/S, Surat Dyeing & Printing Ltd	1770
59	Meter & CT	M/s, Gujart State Road, Transport ST Depot	2360
60	Meter & CT	M/S, Vidhyavihar Foundation	2360
61	Meter & CT	M/S, Jayveer Enterprise Pvt. Ltd	2360
62	Meter & CT	M/S, Jayveer Enterprise Pvt. Ltd	2360
63	CT	M/S, Garrison Ploysacks Pvt. Ltd	1770
64	CT	M/S, RadhadarshanPetropack LLP	1770
65	Meter & CT	M/S, B. N. Papers	2360
66	Meter & CT	M/S, Instakart Service Pvt. Ltd	4720
67	CT	M/S, JJ PV Solar Private Ltd	1770
68	Meter & CT	M/S, Shree RaghukulTexprints Pvt. Ltd	2360
69	Meter	M/S, GCMMF LTD	295
70	Meter & CT	M/S, Aaiswarya Dyeing Mills P Ltd	2360
71	CT	M/S, Diamond nation	1770
72	CT	M/S, Mindhola Foods LLP	3540
73	CT	M/S, Shree Mahavir Roll Tech Ltd	1770
74	CT	M/S, Eastern Enterprise	1770
75	CT	M/S, Waaree Energies Ltd	5310
76	Meter	M/s, Sumul Dan Factory	590
77	Meter& CT	M/S, NGB Laboratories Pvt. Ltd.	2360
78	CT	M/S, Bhaskar Silk Mills Pvt. Ltd	5310
79	Meter & CT	M/S, Theis Precision Steel India Pvt. Ltd.	2360
80	Meter & CT	M/S, Drainage Engineer	4720
81	Meter	M/S, Bhaskar Silk Mills Pvt. Ltd	1770
82	Meter	M/S, Omnipresent Lifestyle LLP	590
83	Meter & CT	M/S, Aamantran Processors	2360
84	CT	M/S, Shree RaghukulTexprints Pvt. Ltd.	1770
85	Meter & CT	M/S, Shott Amusement LLP	2360
86	Meter & CT	M/S, Repro India Ltd.	2360
87	Meter & CT	M/S, GlobaleInfraspac LLP	2360
88	CT	M/S, Sonar Stone Quarry	1770
89	Meter & CT	M/S, Hazira Refractory works Pvt. Ltd	2360
90	CT	M/s, Omnipresent Lifestyle LLP	1770
91	CT	M/S, Om Vinyls Pvt. Ltd.	1770
92	CT	M/S, ICA Pidilite Pvt. Ltd.	1170
93	Meter & CT	M/S, Shan Textiles Pvt. Ltd	2360
94	CT	M/s, Shreelaxmi Creation Pvt. Ltd.	1770
95	CT	M/S, GokulanandTexturisers Pvt. Ltd	1770

ELECTRICAL ENGINEERING DEPARTMENT			
Sr. No.	Testing Project	Name of Organisation	Amount
96	CT	M/S, Shantiniketan C & C Pvt. Ltd	1770
97	CT	M/S, Mindhola Foods LLP	1770
98	CT	M/S, Galaxy Surfactants LTD	1770
99	CT	M/S, Mindhola Foods LLP	1770
100	CT	M/S, Ramtech Polymers	1770
101	CT	M/S, Surat District Co op Milk Producers Union Ltd	1770
102	Meter & CT	M/S, Dadu Processors PVT LTD	2360
103	Meter & CT	M/S, Memkala Wire Works	2360
104	Meter & CT	M/S, Kottex Industries Pvt. Ltd	2360
105	Meter	M/S, Shott Amusement LLP	590
106	Meter	M/S, AshokbhaiGirijashankar Pandey	295
107	CT	M/S, Bhalaria Metal Craft Pvt. Ltd.	1770
108	Meter & CT	M/S, Ashokbhai P Jain	2360
109	Meter & CT	M/S, Shree Ram Diamex Pvt. Ltd.	2360
110	Meter & CT	M/S, Apurva Infra Developers Pvt. Ltd	2360
111	CT	M/S, Ganpati Dyeing Mills	1770
112	CT	M/S, Raw EDGE Industrial Solutions Ltd.	1770
113	CT	M/S, Rajhans Cine World Private Ltd.	1770
114	Meter & CT	M/S, Kiran Gems Pvt. Ltd	2360
115	Meter & CT	M/S, Shan Textiles Pvt. LTd.	4720
116	Meter & CT	M/S, Waaree Energies Ltd	2360
117	Meter & CT	M/S, Shivani Motors Pvt. Ltd.	2360
118	Meter	M/S, Kiran Gems Pvt. Ltd.	590
119	CT	M/S, Reliance Industries Ltd	1770
120	Meter	M/S, Reliance Industries Ltd	590
121	CT	M/S, L & T Ltd, Defence IC	7080
122	Meter & CT	M/S, DansonsPharmachem	2360
123	Meter & CT	M/S, Pratistha Prints	2360
124	CT	M/S, Bayarea Terminal LLP	1770
125	Meter & CT	M/S, Element Knitts	2360
126	Meter	M/S, Agrawal Education Fundation	590
127		M/S, Gujarat JHM Hotel	1180
128	CT	M/S, Goldstab Organics LTD	1770
129	CT	M/S, Donga Yards	1770.
130	CT	M/S, Ujjawal Textiles	1770
131	CT	M/S, Madhusudan Threads	1770
132	CT	M/S, G. N. Flour Mill	1770
133	Meter & CT	M/S, DEV Infra	2360
134	Meter	M/S, HLL Lifecare Ltd.	295
135	Meter	M/S, Flowmore Ltd.	590
136	Meter & CT	M/S, Shree Sai Laxmi Processors	2360
137	CT	M/S, Surgimedik health Care	1770
138	CT	M/S, Mehta Tubes Ltd.	1770
139	Meter & CT	M/S, Kiran Gems Pvt. Ltd	2360
140	CT	M/S, JigishaTexofab Pvt. Ltd.	1770
141	CT	M/S, GokulanandTexturisers Pvt. Ltd	1770
142	CT	M/S, Gokulanand Petro Fibres	1770
143	Meter	M/S, Axis Bank ATM	295
144	Meter & CT	M/S, ShashikantBabubhaiKumbhani	2360
145	Meter & CT	M/S, ShethDalichandVirchans Shroff	2360
146	Meter & CT	M/S, NarainDass	2360
147	Meter & CT	M/S, Reliance Industries Ltd	4720
Total amount			Rs. 3,14,755/-

11.2 List of Faculty Members (2018-19)

Sr. No.	Name of the Faculty	Department	Designation
1.	Dr. S.R. Gandhi	SVNIT, Surat	Director

Sr. No.	Name of the Faculty	Department	Designation
1.	Dr. J.E.M. Macwan	CED	Professor
2.	Dr. B.K. Samtani	CED	Professor
3.	Dr. J.N. Patel	CED	Professor (HAG)
4.	Dr. P. L. Patel	CED	Professor (HAG)
5.	Dr. S.M. Yadav	CED	Professor
6.	Dr. R. A. Christian	CED	Professor
7.	Dr. G.J. Joshi	CED	Professor
8.	Dr. M. Mansoor Ahammed	CED	Professor
9.	Dr. K. A. Chauhan	CED	Professor
10.	Dr. Rakesh Kumar	CED	Professor
11.	Dr. V. L.Manekar	CED	Professor
12.	Dr. (Mrs.) A. K.Khambete	CED	Professor
13.	Dr. P.G. Agnihotri	CED	Professor
14.	Shri N. N. Patel	CED	Associate Professor
15.	Dr. K.D. Yadav	CED	Associate Professor
16.	Dr. Ashish Dhamaniya	CED	Associate Professor
17.	Dr.D.A. Patel	CED	Associate Professor
18.	Dr. P.V. Timbadiya	CED	Associate Professor
19.	Dr.Arkatkar Srinivas	CED	Associate Professor
20.	Dr. (Mrs.) N.D. Jariwala	CED	Assistant Professor
21.	Dr. B.N. Tandel	CED	Assistant Professor
22.	Dr. G.D. Kale	CED	Assistant Professor
23.	Dr. R.M. Tailor	CED	Assistant Professor
24.	Dr. C.R. Patel	CED	Assistant Professor
25.	Shri A.J. Solanki	CED	Assistant Professor
26.	Dr. C. D. Modhera	AMD	Professor (HAG)
27.	Dr. Atul K. Desai	AMD	Professor
28.	Dr. S. A. Vasanwala	AMD	Professor
29.	Dr. C. H. Solanki	AMD	Professor
30.	Shri A. J. Shah	AMD	Associate Professor
31.	Dr. Yogesh D. Patil	AMD	Associate Professor
32.	Dr. G. R. Vesmawala	AMD	Associate Professor
33.	Dr. Satyajit Patel	AMD	Associate Professor
34.	Dr.Suryawanshi S. R.	AMD	Associate Professor
35.	Dr. A. M. Parghi	AMD	Assistant Professor
36.	Dr. Shailendra Kumar	AMD	Assistant Professor
37.	Dr.Shruti J. Shukla	AMD	Assistant Professor
38.	Dr. B. Kondraivendhan	AMD	Assistant Professor
39.	Dr. M.K Desai	AMD	Assistant Professor
40.	Dr.Jignesh B. Patel	AMD	Assistant Professor
41.	Dr. H. J. Nagarsheth	MED	Professor
42.	Dr. R. V. Rao	MED	Professor (HAG)
43.	Dr. S. A. Channiwala	MED	Professor (HAG)
44.	Dr. H. B. Naik	MED	Professor

Sr. No.	Name of the Faculty	Department	Designation
45.	Dr. H. K. Raval	MED	Professor (HAG)
46.	Dr. D. P. Vakharia	MED	Professor
47.	Dr. D. V. Bhatt	MED	Professor
48.	Dr. K. P. Desai	MED	Professor
49.	Dr. J. Banerjee	MED	Professor
50.	Dr. A. A. Shaikh	MED	Professor
51.	Dr. S. Kumar	MED	Professor
52.	Dr. T. N. Desai	MED	Professor
53.	Dr. B. M. Sutaria	MED	Associate Professor
54.	Dr. A. D. Parekh	MED	Associate Professor
55.	Shri M.B. Maisuria	MED	Associate Professor
56.	Shri D. B. Gohil	MED	Associate Professor
57.	Dr. D. I. Lalwani	MED	Associate Professor
58.	Dr. R. D. Shah	MED	Associate Professor
59.	Dr. (Mrs.) Jyoti Menghani	MED	Associate Professor
60.	Dr. (Mrs.) BeenaBaloni	MED	Associate Professor
61.	Dr. H. B. Mehta	MED	Associate Professor
62.	Dr. P. V. Bhale	MED	Associate Professor
63.	Dr. Ravi Kant	MED	Associate Professor
64.	Dr. Harshit Dave	MED	Associate Professor
65.	Dr. A. V. Doshi	MED	Assistant Professor
66.	Dr. M. K. Rathod	MED	Assistant Professor
67.	Dr. Dinesh Singh	MED	Assistant Professor
68.	Dr. A. Lal	MED	Assistant Professor
69.	Dr. Bade Mukund	MED	Assistant Professor
70.	Dr. Sandeep Soni	MED	Assistant Professor
71.	Dr. V. D. Kalyankar	MED	Assistant Professor
72.	Shri A. B. Makwana	MED	Assistant Professor
73.	Shri Anil Mahato	MED	Assistant Professor
74.	Dr. Shailesh Pandya	MED	Assistant Professor
75.	Shri Nikunj Patel	MED	Assistant Professor
76.	Dr. Vimal Patel	MED	Assistant Professor
77.	Dr. Vikram Rathod	MED	Assistant Professor
78.	Dr. (Mrs.) Anandita Chowdhury	EED	Professor
79.	Dr. (Mrs.) Varsha A. Shah	EED	Professor
80.	Dr. S. N. Sharma	EED	Professor
81.	Dr. (Mrs.) R. Chudamani	EED	Professor
82.	Dr. A. K. Panchal	EED	Professor
83.	Dr. H. R. Jariwala	EED	Associate Professor
84.	Shri M. N. Bhusavalwala	EED	Associate Professor
85.	Shri Janak J. Patel	EED	Associate Professor
86.	Dr. M. A. Mulla	EED	Associate Professor
87.	Mrs. Manisha Chauhan	EED	Associate Professor
88.	Dr. P. B. Darji	EED	Associate Professor
89.	Dr. Prasanta Kundu	EED	Associate Professor
90.	Dr. Sabha Raj Arya	EED	Associate Professor
91.	Dr. (Mrs.) K. K. Prajapati	EED	Associate Professor
92.	Dr. H. G. Patel	EED	Associate Professor
93.	Dr. Rakesh Maurya	EED	Associate Professor
94.	Dr. (Ms.) Vasundhara Mahajan	EED	Associate Professor

Sr. No.	Name of the Faculty	Department	Designation
95.	Mrs. Chandni Gor	EED	Assistant Professor
96.	Dr. (Mrs.) U. D. Dalal	ECED	Professor
97.	Shri A.H. Lalluwadia	ECED	Associate Professor
98.	Shri P. K. Shah	ECED	Associate Professor
99.	Shri N. B. Kanirkar	ECED	Associate Professor
100.	Dr. J. N. Sarvaiya	ECED	Associate Professor
101.	Dr. A. D. Darji	ECED	Associate Professor
102.	Dr. P. N. Patel	ECED	Associate Professor
103.	Dr. Z. M. Patel	ECED	Associate Professor
104.	Dr.(Mrs.) R. N. Dhavse	ECED	Associate Professor
105.	Dr.(Mrs.)Jigisha Patel	ECED	Associate Professor
106.	Dr.(Mrs.)Shilpi Gupta	ECED	Associate Professor
107.	Dr. A. S. Mandloi	ECED	Assistant Professor
108.	Dr.(Mrs). S. N. Shah	ECED	Assistant Professor
109.	Dr. K. P. Upla	ECED	Assistant Professor
110.	Dr.P. J. Engineer	ECED	Assistant Professor
111.	Shri Golak Santra	ECED	Assistant Professor
112.	Shri M. C. Patel	ECED	Assistant Professor
113.	Dr. D. R. Patel	CoED	Professor
114.	Dr. D. C. Jinwala	CoED	Professor (HAG)
115.	Dr. M A Zaveri	CoED	Professor
116.	Shri R. P. Gohil	CoED	Associate Professor
117.	Dr. (Mrs.) R. G. Mehta	CoED	Associate Professor
118.	Dr.(Mrs.) K. N. Jariwala	CoED	Assistant Professor
119.	Dr.(Mrs.) D. P. Rana	CoED	Assistant Professor
120.	Dr.Udai Pratap Rao	CoED	Assistant Professor
121.	Dr.(Mrs.) S. J. Patel	CoED	Assistant Professor
122.	Dr.B. N. Gohil	CoED	Assistant Professor
123.	Dr. Z.V.P. Murthy	ChED	Professor (HAG)
124.	Dr. P. A. Parikh	ChED	Professor (HAG)
125.	Dr.(Mrs.)Jigisha Parikh	ChED	Professor
126.	Dr.(Mrs.)Mousumi Chakraborty	ChED	Professor
127.	Dr.(Mrs.)M. Mukhopadhyay	ChED	Professor
128.	Dr. Chetan M. Patel	ChED	Associate Professor
129.	Dr. V.N. Lad	ChED	Associate Professor
130.	Dr. A.K. Mungray	ChED	Associate Professor
131.	Dr.Sanjaykumar R. Patel	ChED	Associate Professor
132.	Dr.(Mrs.)J. N. Gohel	ChED	Associate Professor
133.	Dr. A.K. Jana	ChED	Associate Professor
134.	Dr.Meghal A. Desai	ChED	Associate Professor
135.	Dr. (Mrs.) Alka Mungray	ChED	Associate Professor
136.	Dr. (Mrs.) Smita Gupta	ChED	Assistant Professor
137.	Dr. Jadeja Girirajsinh C.	ChED	Assistant Professor
138.	Dr.(Mrs.)SmitaJauhari	ACD	Professor
139.	Dr. (Mrs.) Premlata Kumari	ACD	Associate Professor
140.	Dr.Kalpana Maheria	ACD	Associate Professor
141.	Dr.Naved Malik	ACD	Associate Professor
142.	Dr.Suban Sahoo	ACD	Associate Professor
143.	Dr. K. Suresh Kumar	ACD	Associate Professor
144.	Dr. B.Z. Dholakia	ACD	Associate Professor

Sr. No.	Name of the Faculty	Department	Designation
145.	Dr. Ketan Krupekar	ACD	Assistant Professor
146.	Dr. Rajender Kumar	ACD	Assistant Professor
147.	Dr. A. K. Shukla	AMHD	Professor
148.	Dr. V. H. Pradhan	AMHD	Professor
149.	Dr. (Mrs.) N. Adlakha	AMHD	Professor
150.	Dr. H. P. Bulsara	AMHD	Associate Professor
151.	Dr. Sushil Kumar	AMHD	Associate Professor
152.	Dr. Jayesh Dhodiya	AMHD	Associate Professor
153.	Dr. R. K. Jana	AMHD	Assistant Professor
154.	Dr. R. K. Meher	AMHD	Assistant Professor
155.	Dr. (Mrs.) Twinkle Singh	AMHD	Assistant Professor
156.	Dr. D. Gopal	AMHD	Assistant Professor
157.	Dr. (Mrs.) U. Kaushal	AMHD	Assistant Professor
158.	Dr. K. N. Pathak	APD	Professor
159.	Dr. A.K. Rai	APD	Associate Professor
160.	Dr. (Mrs.) D.V. Shah	APD	Associate Professor
161.	Dr. V.A. Kheraj	APD	Associate Professor
162.	Dr. Debesh Ranjan Roy	APD	Associate Professor
163.	Dr. L.K. Saini	APD	Assistant Professor
164.	Dr. Yogesh A. Sonavane	APD	Assistant Professor
165.	Dr. N.K. Datta	Phy. Edn.	Associate Professor

11.3 Administrative and other Staff

LIST OF NON TEACHING STAFF AS ON 01/06/2018 to 31/07/2019

Sr. No.	Name	Designation	Deptt./ Section
01	Dr. K.D. Yadav	I/c. Registrar	Registrar
02	Dr. S.G. Shah	Chief Medical Officer	Dispensary
03	Shri A.C. Patel	Principal Scientific Officer	CCC
03	Shri Ajay Sharma	Asst. Librarian	Library
04	Shri Chirag Vaghela	SAS Officer	Phy. Edu.
05	Shri Ravinder kumar	Asst. Registrar	Deputed to MHRD

Class – III (NON TECHNICAL)

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

LIST OF TECHNICAL STAFF

Sr. No.	Name	Designation	Deptt./ Section
01	Shri P.K. Shah	Tech. Asst. (SG-II)	(Suspended)
02	Shri S.C. Shoemaker	Sr. Tech. Asst.	E & S
03	Ms. M.S. 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

Sr. No.	Name	Designation	Deptt./ Section
07	Shri P.P. Vankar	Tech. Asst.	MED
08	Shri B.D. Gamit	Technical Assistant	AMD
09	Shri B.S. More	Technical Assistant	AMD
10	Shri J.J. Prajapati	Technical Assistant	E & S
11	Shri M.S. Rathwa	Technical Assistant	E & S
12	Shri V.B. Rathod	Sr. Technician	EED
13	Shri V.G. Patel	Sr. Technician	EED
14	Shri A.B. Bilimoria	Technical Assistant	MED
15	Shri N.D. Patel	Technical Assistant	Workshop
16	Shri B.D. Mistry	Technician (SG-II)	Workshop
17	Shri A.M. Mistry	Sr. Technician	Workshop
18	Shri M.T. Patel	Technical Assistant	Workshop
19	Shri G.J. Panchal	Technician (SG-II)	Workshop
20	Shri R.M. Vasava	Technical Assistant	Workshop
21	Shri R.N. Chauhan	Technician (SG-II)	Workshop
22	Shri D.M. Rathod	Technical Assistant	Workshop
23	Shri Gaurav Mahida	Lab. Asst.	EED
24	Shri Praful Patel	Lab.Asst.	ECED
25	Shri A.N. Gamit	Lab. Asst.	RTI Cell

CLASS – IV

Sr. No.	Name	Designation	Deptt./ Section
1	Shri H.D. Umarvanshi	Attendant (SG.I)	ACD
2	Shri K.D. Gamit	Attendant (SG.I)	Admn
3	Shri N.J. Patel	Attendant (SG.I)	Admn
4	Shri A.R. Kothari	Attendant (SG.I)	AMD
5	Shri M.A. Patel	Attendant (SG.I)	RTI Cell
6	Shri A.H. Chavda	Attendant (SG.I)	Workshop
7	Shri Jayram Behra	Attendant (SG.II)	CHED
8	Shri B.J. Vasava	Attendant	DISPENSARY
9	Shri J.G. Umrigar	Attendant (SG.I)	E & S
10	Shri M.G. Azam	Attendant (SG.I)	E & S
11	Shri P.K. Solanki	Attendant (SG.I)	E & S
12	Shri V.L. Baria	Mali	E & S
13	Shri S.H. Bhagat	Attendant (SG.I)	E & S
14	Shri M.M. Kokani	Attendant (SG.I)	ECED
15	Shri A.R. Prajapati	Attendant (SG.I)	ECED
16	Shri G.G. Rathod	Attendant (SG.I)	EED
17	Shri J.B. Chaudhary	Attendant	EED
18	Shri K.P. Surati	Attendant (SG.I)	LIB
19	Mrs. C.R. Parmar	Attendant (SG.II)	Library
20	Shri S.R. Jadav	Attendant (SG.I)	MED
21	Shri Ankur Arthania	Attendant (SG.II)	MED
22	Shri B.K. Patel	Attendant (SG.I)	WORKSHOP
23	Shri K.D. Surati	Attendant (SG.I)	Workshop