

## Contents

About University .....	2
Recognitions .....	2
From Director General's Desk .....	3
Board of Governors .....	4
Academic Council .....	5
Academic Units .....	6
Academic Programs .....	10
Internationalization .....	11
Faculty Updates .....	16
Publications .....	18
Faculty Recognition .....	77
Office of Research and Sponsored Programs .....	82
Research Projects .....	84
Innovation and Incubation Centre .....	90
Centre of Continuing Education .....	91
Training .....	94
Experts' Lectures .....	95
Students' Achievements .....	106
Paper Presentations at International/National Conferences by students .....	110
Conferences/ Workshops /Seminars/Conclaves .....	117
Placement .....	126
Library Resources .....	130
Sports .....	131
NCC .....	132
NSS .....	135
Students' Activities .....	137
Students' Clubs .....	138
Visitors .....	142
Media Coverage .....	147

## ABOUT UNIVERSITY

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This University popularly known as PDPU has been established under the Gujarat State Legislative Act No.14 on 4<sup>th</sup> April, 2007. The University addresses the need for trained and specialized human resource in the domains of engineering, management and humanities.

It intends to expand the opportunities for students and professionals to develop an intellectual knowledge base with leadership skills to compete in the global arena. This objective is being served through a number of specialized and well-planned undergraduate and post-graduate education programmes and intensive research initiatives.

### **Vision**

To emerge as a world class Institution of Excellence in Energy Education, Research and Innovation which will prepare and sensitize the youth and ultimately the society for radical yet sustainable societal transformation.

### **Mission**

Undertake unique obligation for Education in Energy Engineering and Management with special responsibilities in domain specific aspects of Energy & Infrastructure.

Seek to nurture students of extraordinary motivation and ability and prepare them for life-long learning and leadership in an increasingly knowledge driven world.

Envisage to establish institutes of excellence in education, competitive edge in research and real time relevance with futuristic thrusts in offering of programmes and undertaking of activities and projects.

## RECOGNITIONS

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- NAAC accredited with 'A' grade & CGPA of 3.39 out of 4
- University Grants Commission u/s 2(f)
- AICTE Approval
- Scientific and Industrial Research Organization (SIRO), Govt. of India
- Approval u/s 35(1)(ii) of Income Tax Act, Government of India ORSP for Research Activities
- PDPU is designated by DGH-GoI for EOR Screening across India, along with ONGC-IRS, IIT-ISM, IIT- Kharagpur, IIT- Bombay and IIT-Delhi as a member of Enhanced Recovery Committee to review and approve at different stages of EOR process.

## FROM DIRECTOR GENERAL'S DESK

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### Innovation for Industry 4.0 and Beyond

PDPU has developed a vibrant campus with advanced facilities and technologies on its campus. It has set up State of the art Laboratories in each discipline with support of Industries, Knowledge partners and internationally renowned University partners. The University has also developed cutting edge digital infrastructure with up to date research and educational curriculum to promote and facilitate research and learnings.

Students have shown tremendous talent and innovation in the field of education, learning & research and to build the Institute's reputation and recognition. PDPU also provides international exposure to its students to create values and cultivate their mind towards innovation by collaborating with reputed International Universities.

Faculty with their experience and immense subject knowledge in specialized field plays vital role in upbringing the student's development. At PDPU, researchers and students collaborate with industry and government to create innovative solutions merging engineering and creativity, theory and practice, and University and society. Experts from Industry and Academia, Members from our Board of Studies provide scientific advice to craft the curriculum in order to meet industrial requirements.

University offers liberal scholarships & exposure and facilities to students and faculty compared with the best in Academics to nurture all-round talent. I welcome all to this reservoir of knowledge.

“As there is a global quest for more efficiency through Industry 4.0, we are prepared with the opportunity of finding innovative solutions to these challenges, and becoming reservoir of knowledge for radical yet sustainable societal transformation.”

Dr. S. Sundar Manoharan  
Director General

## BOARD OF GOVERNORS

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### **Dr. Mukesh Ambani**

President

#### **Members**

Shri D. Rajagopalan, IAS Former Chief Secretary - GoG Chairman- Standing Committee, PDPU	Dr. R. A. Mashelkar FRS Bhatnagar Fellow & President-Global Research Alliance National Chemical Laboratory – Pune
Dr. S. Sundar Manoharan Director General	Shri Vikram Singh Mehta Executive Chairman Brookings India
Shri Sudhir Mehta Chairman Torrent Group - Ahmedabad	Ex officio The Secretary to Government Energy and Petrochemicals Department Government of Gujarat
Ex officio The Secretary to Government In-charge of Technical Education Government of Gujarat	Prof. N. R. Dave Former Vice Chancellor North Gujarat University, Patan
Mrs. Pallavi Shroff Shardul Amarchand Mangaldas & Co. New Delhi	Director School of Petroleum Management PDPU
Dr. Parimal Nathwani Reliance Industries Ltd.	Nominee of Gujarat Energy Research & Management Institute - GERMI
Prof. D. M. Parikh Dean-Faculty of Engg. & Technology PDPU	

## ACADEMIC COUNCIL

**Dr. S. Sundar Manoharan**  
Director General

### Members

Dr. Jayant Kelkar Head- Corporate Technical Services Reliance Industries Limited	Prof. S. A. Bari Vice Chancellor Central University of Gujarat
Prof. Indira J. Parikh President-ANTARDISHA & Chairperson - AURONYA College Puthucherry	Prof. Virender Prakash Sharma Professor & Head Deptt. of Petroleum Engineering Indian School of Mines -Dhanbad
Dr. C. Gopalkrishnan Director – School of Petroleum Management, PDPU	Dr. Sunil Khanna Director – School of Technology, PDPU
Dr. R. K. Vij Director, School of Petroleum Technology- PDPU	Dr. Nigam Dave Director - School of Liberal Studies, PDPU
Prof. Pramod Paliwal Dean- Faculty of Management	Dr. D.M. Parikh Dean – Faculty of Engineering & Technology, PDPU
Dr. T. P. Singh Professor in Mathematics	Dr. S. Kachhwaha Head – Dept. of Mechanical Engg., PDPU
Dr. Indrajit Mukhopadhyay Professor in Department of Solar Energy School of Technology, PDPU	Dr. Ashvin Dave Professor in Department of Business Administration & Commerce School of Liberal Study, PDPU

### **School of Petroleum Management (SPM)**

To cater to the managerial manpower requirements of the Energy and Infrastructure Sector, the Management School was first established as the Institute of Petroleum Management, Gandhinagar (IPMG) in 2006 by GERMI (Gujarat Energy Research and Management Institute), a trust and a society formed by GSPC (Gujarat State Petroleum Corporation), a Government of Gujarat undertaking. Subsequently in 2007, when PanditDeendayal Petroleum University (PDPU) was established by GERMI, IPMG became the constituent school of PDPU and changed its name to School of Petroleum Management (SPM).

SPM has been successfully conducting MBA programme and shall be admitting 14th batch in 2019.

### **THE PROGRAMME**

MBA programme is a two-year full-time residential programme of the University under the School.

Each year of the programme is divided in three trimesters. The programme also includes six to eight weeks of compulsory summer training for the students. The first year courses of the MBA Programme lay foundation of management with courses like accountancy, finance, marketing, economics, quantitative management, business research methods, organizational behavior, operations management, HRM, etc. Besides, a few foundation courses as well as group projects are offered related to the Energy & Infrastructure Sector to the students in the first year of the MBA Programme with an objective to sensitize the students about the Energy & Infrastructure Sector.

#### **Specializations**

1. Energy and Infrastructure
2. Finance
3. Marketing
4. Operations Management
5. Human Resources Management

The Energy & Infrastructure specialization allows students to undergo energy & infrastructure management related compulsory as well as elective courses. Similarly, the functional area specialization in Finance, Marketing, Operations Management and HRM allows students to undergo respective functional area compulsory as well as elective courses. The students can opt for a major and a minor specialization from the above FIVE options in the beginning of second year of the MBA Programme.

In addition, SPM offers PGDPM-X Programme for working executives on a modular approach and Ph.D. programme [full-time and part-time] and Management Development Programmes.

SPM has also been conducting Management Development Programmes for working executives in the Energy Sector. It has also been working on a research project for the Government of Gujarat.

## School of Petroleum Technology (SPT)

School of Petroleum Technology (SPT) was started in the year 2007. The School caters to the Academics and Industries by creating budding Petroleum Engineers. SPT offers B.Tech., M.Tech. and Ph.D. programmes. The school is strategically located in the oil and gas capital of India. Interaction and knowledge sharing from the industry, benefits the students a lot. The faculties have a rich industrial as well as academic experience. Students and faculties are engaged in practical research and many papers are documented in reputed peer reviewed journals and conference proceedings. To strengthen Industry – Academia relationship, SPT regularly organizes expert lectures, conclaves, seminars and workshops and also undertakes projects in collaboration with industry. This not only helps in overall development of students as well as faculty members, but also makes the students aware of the industry expectations.

A student undergoes unique course like Rural Internship, Industry Orientation and Industrial training. SPT faculty members and undergraduate students from SPT also work on collaborative projects with companies like Gujarat Gas, Shell Hazira LNG, Selan Exploration Technology Limited, ONGC etc. It is experienced that students with varied cultural and ethnic background live together and promote harmony, integration and share values of living and relationships. School has also received outstanding Student Chapter Award, from Society of Petroleum Engineering, 2018.

The school has established The State- of- the-Art Drilling, Cementation and Stimulation Centre (DCS) to conduct excellent, high-tech and cutting-edge research by providing the state-of-the-art research facilities. The centre is established with a vision to **initiate and promote research linkages** with institutions and agencies including industry and professional organizations. In addition to the basic laboratory equipment and instrumentation, this centre is having the state-of-the-art equipment for cement slurry design and evaluation, formation damage evaluation, and proppant conductivity determination for stimulation application.

The Centre of Excellence for Enhanced Recovery (CEER) centre is conceptualized and in view of Government of India's approval of PDPU as Nodal agency for EOR screening. Consultancy jobs are pouring in and being undertaken in SPT with the help of in ours strength & Industry experts hired for specific purpose.

The school is also having one more State of the Art Centre, i.e. Centre of Geothermal energy CEGE. Centre of Excellence for Geothermal Energy (CEGE) has carried out numerous Geophysical and Geochemical activities in Gujarat since its inception in 2013. CEGE has conducted studies like 2-D and 3-D Magnetotelluric, Gravity Survey, Seismic survey and Magnetic Survey on 3 locations in Gujarat. CEGE is also planning to drill another geothermal well at Unai, Gujarat.

## **School of Technology (SoT)**

Technology is and will be the main driver for growth in this decade. The School of Technology (SOT) set up with the vision of being the leading centre of innovation and learning in the emerging areas of Knowledge society is now focusing on the emerging areas of technology and management incorporating digital transformation and circular economy in Industry 4.0 oriented curriculum as the engine for growth through innovation. In today's digital age, careers across industries are going through a transformation. Emerging technologies like Big Data Analytics, Artificial Intelligence, Internet of Things, are entering every emerging profession. Ensuring that its graduates are a part of these exciting careers SOT initiated the M Tech program in Data Science, Cybersecurity, Material Science & Engineering and Energy and Environment Management. SOT has seen phenomenal growth in the last nine years with the School today offering eight undergraduate & seventeen post graduate programmes and more than 120 Ph.D. scholars working in various disciplines for research degrees.

The curriculum at SOT is planned with the right mix of research and industry-relevant subjects taught predominantly through project-based learning. Flexibility to choose courses, academic weightage to co-curricular activities, continuous innovation in teaching-learning are some of the hallmarks of academics at SOT. Thus, the curriculum can be Individualised with one third of credits of the programme chosen by the student through open and professional electives to develop the path as per their inner voice and passion.

The School of Technology continued on its path of rapid expansion and growth in the trio of 'teaching-research-consultancy'. Realizing that Water is and will be the main driver for growth and a challenge before the country, the School embarked on research on water to address the challenges of water scarcity, water contamination and impact of water quality on agricultural productivity with an innovative yet holistic approach leading to community welfare. These projects funded by BRNS, ISRO, India-H2O EU-India project under Horizon 2020, DST and CSIR would deploy innovative and affordable technologies and mitigative framework (including artificial intelligence, neural network and numerical modelling) for strengthening access to safe drinking water, setting up affordable water purification systems including industrial wastewater, reducing ground water contamination and augmenting water resources.

The journey in research during the year was very fruitful with 16 projects worth INR 9.92 crores sanctioned and 102 projects in the pipeline submitted for funding to multilateral, bilateral and government funding agencies.



## School of Liberal Studies (SLS)

Our Universities and their Schools with their state of the art facilities and rich treasure of human resources of excellent erudition somehow prepare youth for filling in slots of jobs or enterprise in productive pursuits of earning and acquiring wealth. Unfortunately, one is neither properly tutored nor adequately trained to comprehend parameters of desired quality of life, mental health and happiness. One's intellectual being has one dimensional growth. In other words, one is not a holistic personality. No thinker, philosopher or innovative genius can come out of this run of the mill education system that focuses only on producing specialists and professionals. A holistic personality is one that can understand ethos of entire spectrum of human endeavours and think innovatively about them. Such people are the torch bearers of enlightened leadership that conceives better world and better future in holistic sense.

The School of Liberal Studies launched in 2009 is rightly poised to take radical initiatives—initiatives that chart out how differently traditional discrete areas of learning could be integrated and even choice-based learning in higher education could be made learner-centric to provide seamless wholesome acquisition of knowledge and skills. **In fact what is advocated in the NEP (New National Education Policy) was long back envisioned and implemented by the School with its transdisciplinary academic program and four year Under Graduate structure.**

Inter disciplinary course structure at SLS focuses on holistic education that establishes the foundation for the integrated understanding through rich breadth of courses and then exposes the students to the in depth exploration of Majors. Through our dialogue with various stakeholders of Industry and government, we have been enthused with the positive acceptance from them. Industry has provided its inputs on course structure at various formal and informal platforms like – Interaction during Boards of Studies Meetings, Pre placement visits, Internships by students and International Round Tables at the University. While due care has been taken to accommodate industry concerns and requirements to make the program more employable, equal focus has been retained on the 'learning for the sake of Learning' and creating jobs rather than seeking jobs.

School of Liberal studies currently offers four year undergraduate programs in B.A. (Hons.), B.B.A.(Hons.), B.Com.(Hons.), & B.Sc.(Hons.), The Programmes cover interdisciplinary curriculum and focused exploration of specializations. The School also offers Master's Program in various disciplines. The School also offers Ph.D. in the areas of Humanities, Arts Social Sciences and Commerce.

## ACADEMIC PROGRAMS


Sr. No.	Programme	Catered by
1.	M.B.A. (Energy and Infrastructure Management)	School of Petroleum Management
2.	M.B.A. (General Management) Specialization in <ul style="list-style-type: none"> <li>▪ Financial Management</li> <li>▪ Marketing Management</li> <li>▪ Operations Management</li> <li>▪ Human Resources Management</li> </ul>	School of Petroleum Management
3.	PGDPM-X	School of Petroleum Management
4.	PGDGM-X	School of Petroleum Management
5.	B.Tech. (Petroleum Engg.)	School of Petroleum Technology
6.	B.Tech. (Chemical Engg.)	School of Technology
7.	B.Tech. (Civil Engg.)	School of Technology
8.	B. Tech. (Computer Engg.)	School of Technology
9.	B.Tech. (Electrical Engg.)	School of Technology
10.	B. Tech. (Information & Communication Technology)	School of Technology
11.	B.Tech. (Mechanical Engg.)	School of Technology
12.	M. Tech. (Petroleum Engg.)	School of Petroleum Technology
13.	M. Tech. (Petroleum Technology (Exploration))	School of Petroleum Technology
14.	M. Tech. (Chemical Engg.)	School of Technology
15.	M. Tech. (Civil Engg. (Infrastructure Engg. & Mgt.))	School of Technology
16.	M. Tech. (Civil Engg. (Transportation Engg.))	School of Technology
17.	M. Tech. (Electrical Engg. (Power Systems))	School of Technology
18.	M. Tech. (Energy Systems (Focused on Solar Energy))	School of Technology
19.	M. Tech. (Environmental Engg.)	School of Technology
20.	M. Tech. (Mechanical Engg. (Thermal))	School of Technology
21.	M. Tech. (Mechanical Engineering (Design))	School of Technology
22.	M. Tech. (Mechanical Engineering (Manufacturing))	School of Technology
23.	M. Tech. (Nuclear Science and Technology)	School of Technology
24.	B.A. (Hons.) / B.B.A. (Hons.)	School of Liberal Studies
25.	B.Com. (Hons.)	School of Liberal Studies
26.	B.Sc. (Hons.)	School of Liberal Studies
27.	M. A. (Economics)	School of Liberal Studies
28.	M. A. (English)	School of Liberal Studies
29.	M. A. (Media and Communication)	School of Liberal Studies
30.	M. A. (Political Science-International Relations)	School of Liberal Studies
31.	M. A. (Psychology)	School of Liberal Studies
32.	M. A. (Public Administration)	School of Liberal Studies
33.	M.Sc. (Finance)	School of Liberal Studies
34.	Ph.D. programme is offered at every school of the University.	

## INTERNATIONALIZATION

### Study in India Program (SIP):

To stimulate Internationalization on campus, PDPU has initiated “Study in India Program (SIP)” which is customized short term programs framed in 02-12 weeks designed to focus international diaspora to expose them to various facets of India. The principal objective of this interdisciplinary course is to provide a basic understanding of the Indian society and how it grew, its cultural heritage, political, social and economic scenario and its growing important role in the world affairs. The beauty of the program lies in its interdisciplinary nature which aims at demonstrating the multifaceted and variegated Indian religions and cultures.

Usually the courses covered with academic sessions, academic tour and visit of historical places in India with an affordable budget. PDPU has successfully organized 8 such SIPs with 4 unique International partners & given exposure to 100+ international students & faculties.

Study in India Program 2019-2020	
University	No of Students & Faculties
 Sacred Herat University, USA	11



### Travel Grant Initiative:

Travel grant scholarships are provided to the students of the University for International and National paper presentations. Office of International Relations has always been a catalyst in supporting research and academic activities among its students. As a result, students sailed offshore and presented their scholarly work at various conferences.

By availing travel grant policy many of PDPU students have presented papers in the countries like UK, Spain, Singapore, Malaysia, Dubai, USA, Bahrain, China, Sweden, Oman, Egypt, Canada, Thailand, Sri Lanka, Germany, etc.

The financial support granted are be as follows:

For conferences/workshops/symposia/internship organized within

- North America or South America: Rs.60,000/-
- Europe, Australia, New-Zealand, Japan & Africa: Rs. 40,000/-
- Singapore, Hong-Kong, Taiwan, Thailand, other Asian Countries: Rs. 20,000/-
- Within India: Rs. 5000/-

Besides this, a student can get an additional support towards registration fee: At actual, up to a maximum of Rs. 25,000/- (International) & Rs. 5000/- (within India).

No. of students who have availed the travel grant till date.

Year	No. of Students	Total Value (In Rs.)
FY 2011-12	4	1,85,216.00
FY 2012-13	13	6,16,684.00
FY 2013-14	22	6,26,584.00
FY 2014-15	23	6,35,200.00
FY 2015-16	154	54,74,143.00
FY 2016-17	182	90,08,520.00
FY 2017-18	196	90,44,803.00
FY 2018-19	174	69,25,953.00
FY 2019-20	158	73,33,029.00
<b>Total</b>	<b>926</b>	<b>3,98,50,132.00</b>



## International Student Fraternity:

The University strives to enhance cultural diversity on campus and value its contribution in the learning experience. The University has become an institution of international repute and resonates with innovation, research, contemporary pedagogy, vibrant campus more than 160 full-time students from more than 20 different countries i.e. Afghanistan, Bangladesh, Bhutan, Cameroon, Ethiopia, Fiji, Ivory Coast, Kenya, Mozambique, Nepal, Philippines, Rwanda, Sri Lanka, Syria, Tanzania, Uganda, Yemen, Zimbabwe, USA, Canada, etc. PDPU also hosted more than 450 international students in the short-term programs like Study in India & AIESEC Inbound



programs.

### Semester Exchange & Abroad Program:

Objective: Through study abroad/exchange program, enhancing four skill areas of students: The academic/intellectual, The professional, The personal and The inter-cultural; enhancing the academic visibility of individual as well as organization.

With high grade NAAC “A”, PDPU offers to take short term exposure program in to complete academic experience in terms of semester exchange/abroad program.

Students are getting financial support in terms of US State Department Scholarship or University Scholarship. Till now, total 27 students have been benefitted from this initiative.

Sr. No.	Student	Program	University
1	Mr. Vineet Vaswani	B.A./B.B.A.	University of Miami - USA
2	Ms. Roohi Patel	B.A./B.B.A.	Old Dominion University - USA
3	Ms. Bhoopali Nandurkar	B.A./B.B.A.	Phoenix Community College - USA
4	Ms. Disha Kantharia	B.A./B.B.A.	Edith Cowan University - Australia
5	Ms. Aayushi Bagga	B.A./B.B.A.	Edith Cowan University - Australia
6	Divya Shah	B.Tech.	The University of Oklahoma - USA
7	Mohit Patel	B.Tech.	The University of Oklahoma - USA
8	Ms. Nikita Rajesh Nahata	B.A./B.B.A.	Southern Illinois University - USA
9	Mr. Pragya Sankhla	B.Com.	Southern Illinois University - USA
10	Ms. Aashi bansal	B.A./B.B.A.	Southern Illinois University - USA
11	Mr. Vivek Gupta	B.Com.	Southern Illinois University - USA
12	Ms. Miti Shah	B.A./B.B.A.	Presbyterian College - USA
13	Jainav Mehta	B.Com.	Southern Illinois University - USA
14	Ms. Miloni Oza	B.A./B.B.A.	Southern Illinois University - USA
15	Amay Patel	B.Tech.	The University of Oklahoma - USA
16	MS. Ritwika Verma	B.A./B.B.A.	Presbyterian College - USA
17	Ms. Ananya Dave	B.A./B.B.A.	The University of Oklahoma - USA
18	Ms. Saloni Kapadia	B.A./B.B.A.	The University of Oklahoma - USA
19	Mr. Tanay Katiyar	B.A./B.B.A.	Marymount University - USA
20	Ms. Niti Mittal	B.A./B.B.A.	University of Minnesota - USA
21	Mr. Mayank Dugar	B.A./B.B.A.	University of Minnesota - USA
22	Mr. Chinar Mahesh Bajaj	B.A./B.B.A.	University of Minnesota - USA
23	Ms. Antara Mandal	B.A./B.B.A.	University of Minnesota - USA
24	Naisargi Mehta	B.A./B.B.A.	University of Minnesota - USA
25	Krupa Modi	B.A./B.B.A.	University of Minnesota - USA
26	Smeet Rajendra Kumar Patel	B.Tech.	The University of Oklahoma - USA
27	Avlani Jainam Manish Bhai	B.Tech.	The University of Oklahoma - USA





## FACULTY UPDATES

### New Appointments

Sr. No.	Name	Qualification	Designation	School
1.	Yagnik Mukeshbhai Bhavsar	M. Tech.	Teaching Associate	SOT
2.	Alok Jain	Ph. D.	Assistant Professor (On Contract)	SOT
3.	Naveen Yalla	Ph. D.	Assistant Professor	SOT
4.	Ravi Kant	Ph. D.	Assistant Professor	SOT
5.	Rudresh Dwivedi	Ph. D.	Assistant Professor	SOT
6.	Ankur Solanki	Ph. D.	Assistant Professor	SOT
7.	Priyanka Garg	M. Tech.	Assistant Professor (On Contract)	SOT
8.	Mohendra Roy	Ph. D.	Assistant Professor	SOT
9.	Chandra Shekhar Nishad	Ph. D.	Assistant Professor	SOT
10.	Neelam Singha	Ph. D.	Assistant Professor	SOT
11.	Payal Chaudhari	Ph. D.	Assistant Professor	SOT
12.	Ojas Satbhai Shrinivas	Ph. D.	Assistant Professor	SOT
13.	Abhijit Das	Ph. D.	Assistant Professor	SOT
14.	Abhishek Gor	M. Sc.	Assistant Professor (On Contract)	SOT
15.	Ramesh Guduru	Ph. D.	Associate Professor	SOT
16.	Anup Sanchela	Ph. D.	Assistant Professor	SOT
17.	Sandesh Mahajan	Ph. D.	Assistant Professor	SLS
18.	Pradeep Kankeri	Ph. D.	Assistant Professor	SOT
19.	Swapnil Mishra	Ph. D.	Assistant Professor	SOT
20.	Uma Chaduvula	Ph. D.	Assistant Professor	SOT
21.	Lakshmanarao Jeeru	Ph. D.	Assistant Professor	SPT
22.	Gaurav Hazarika	M. Tech.	Assistant Professor (On Contract)	SPT
23.	Rishi Bhandari	Ph. D.	Assistant Professor (On Contract)	SLS
24.	Shanker Krishna	Ph. D.	Assistant Professor	SPT
25.	Shabiimam MA	Ph. D.	Assistant Professor	SOT
26.	Rama Gaur	Ph. D.	Assistant Professor	SOT
27.	Prakash Chandra	Ph. D.	Assistant Professor	SOT
28.	Syed Shahabuddin	Ph. D.	Assistant Professor	SOT
29.	Rachna Arora	Ph. D.	Assistant Professor	SOT
30.	Vaibhav Shah	Ph. D.	Associate Professor	SLS
31.	Rutvij Jhaveri	Ph. D.	Assistant Professor	SOT
32.	Rajat Saxena	Ph. D.	Assistant Professor	SOT
33.	Nandini Mukherjee	Ph. D.	Assistant Professor	SOT
34.	Shakti Mishra	Ph. D.	Assistant Professor	SOT
35.	Hardik Patel	Ph. D.	Assistant Professor	SOT
36.	Hari S	Ph. D.	Assistant Professor	SPT
37.	Nitin Chaudhari	Ph. D.	Associate Professor	SOT
38.	Abhijit Kakati	Ph. D.	Assistant Professor	SPT
39.	Ankita Srivastava	Ph. D.	Assistant Professor	SLS
40.	Praveen Kumar	M. Tech.	Assistant Professor (On Contract)	SOT
41.	Satish Nair	Ph. D.	Adjunct Professor	SPM



## Attrition

Sr. No	Name of the Employees	Qualification	Designation	School
1.	Ashish Sarkar	Ph. D.	Associate Professor	SPT
2.	Apurva Dave	M. Tech.	Assistant Professor (On Contract)	SOT
3.	Anantha Singh T S	Ph. D.	Assistant Professor	SOT
4.	Ravi Botta	M. Tech.	Assistant Professor (On Contract)	SOT
5.	Rimpi Baro	M. Tech.	Assistant Professor (On Contract)	SOT
6.	Manish Chaturvedi	Ph. D.	Assistant Professor	SOT
7.	Hari Ganesh	M. Tech.	Assistant Professor (On Contract)	SPT
8.	Suvarna Trivedi	Ph. D.	Assistant Professor	SOT
9.	P Sivashankar	Ph. D.	Assistant Professor	SPT
10.	Vidhi Vyas	M. Tech.	Assistant Professor (On Contract)	SOT
11.	Rahul Saha	Ph. D.	Assistant Professor	SPT
12.	Ajay Kumar	Ph. D.	Assistant Professor	SOT
13.	Pawan Sharma	Ph. D.	Assistant Professor	SOT
14.	Parnika Shrivastava	Ph. D.	Assistant Professor	SOT
15.	Bivina Gr	Ph. D.	Assistant Professor	SOT
16.	Avirup Maulik	Ph. D.	Assistant Professor	SOT
17.	Raunak Gupta	M. Tech.	Assistant Professor (On Contract)	SPT
18.	Biranchi Narayan Sahoo	Ph. D.	Assistant Professor	SOT
19.	Naveen Yalla	Ph. D.	Assistant Professor	SOT
20.	Priyanka Garg	M. Tech.	Assistant Professor (On Contract)	SOT
21.	Abhijit Das	Ph. D.	Assistant Professor	SOT
22.	Praveen Kumar	M. Tech.	Assistant Professor (On Contract)	SOT

## PUBLICATIONS

### Papers in Journals

Sr. No.	Faculty	Title of Paper	Journal	Month	Year
1.	Abhishek Kumar	Experimental Study on Conductivity versus Concentration of Electrolytes for Electrochemical Deburring Process	Biosensors Journal	JUL	2019
2.	Achinta Bera	A review of CO <sub>2</sub> storage in geological formations emphasizing modeling, monitoring and capacity estimation approaches	Petroleum Science	JUL	2019
3.	Anirbid B Sircar	Investigation of nano catalyst to enhance fuel quality in waste tyre pyrolysis	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	JUL	2019
4.	Anirbid B Sircar	Reckoning of water quality for irrigation and drinking purposes in the konkan geothermal provinces, Maharashtra, India	Groundwater for Sustainable Development	JUL	2019
5.	Ankur Solanki	Solution-processed Lead Iodide for Ultrafast All-Optical Switching of Photonic Devices	Advanced Materials	JUL	2019
6.	Anurag Mudgal	Experimental evaluation of the performance of latent heat storage unit integrated with solar air heater	International Journal of Ambient Energy	JUL	2019
7.	Brijesh Tripathi	Graphene oxide-molybdenum oxide composite with improved hole transport in bulk heterojunction solar cells	AIP Advances	JUL	2019
8.	Debasis Sarkar	Life Cycle Cost Analysis (LCC) of Ahmedabad - Mumbai Bullet Train Project	International Journal of Engineering Researches and Management Studies	JUL	2019
9.	Jatinkumar Ravjibhai Patel	Experimental evaluation of the performance of latent heat storage unit integrated with solar air heater	International Journal of Ambient Energy	JUL	2019
10.	Jigarkumar Harshadkumar	Sensor-Based Activity Recognition in the Context of	Journal of Ambient Intelligence and	JUL	2019

	Shah	Ambient Assisted Living Systems: A Review	Smart Environments, IOS Press		
11.	Jitendra G. Jamnani	Optimal Design of 1200 kV UHV AC Transmission Lines in India using Newly Developed Standalone MATLAB GUI	International Journal of Recent Technology and Engineering (IJRTE), Scopus	JUL	2019
12.	Kush P Mehta	Effect of Multi Pass Friction Stir Processing on Surface Modification and Properties of Aluminum Alloy 6061	Key Engineering Materials	JUL	2019
13.	Manish Kumar Sinha	Theoretical and experimental investigation of the mechanism of the catalytic ozonation process by using a manganese-based catalyst	Environmental Technology	JUL	2019
14.	Md Aurangzeb	Double-partitioned dividing wall column for a multicomponent azeotropic system	Separation and Purification Technology	JUL	2019
15.	Md. Sharifuddin Ansari	Time dependent boundary layer flow and heat transfer of Jeffrey nanofluid with viscous dissipation effects	Journal of Nanofluids	JUL	2019
16.	Neeta Avtar Khurana	HIV/AIDS in India: An Overview of Policy and Psycho-Social Perspectives	Bihar Journal of Public Administration (A Bi-Annual Refereed Research Journal of IIPA Bihar Regional Branch, Patna) In UGC-CARE Reference List of Quality Journals, (Social Sciences)	JUL	2019
17.	Nitin K Chaudhari	Recent Progress in Bifunctional Electrocatalysts for Overall Water Splitting under Acidic Conditions	ChemElectroChem	JUL	2019
18.	Pankaj Kumar Yadav	Oxygen Plasma-Induced p-Type Doping Improves Performance and Stability of PbS Quantum Dot Solar Cells	Applied Material & Interfaces	JUL	2019
19.	Parth Prajapati	Thermo-economic optimization of a Nano fluid based organic Rankine cycle: a multi-objective study and analysis	Thermal Science and Engineering Progress	JUL	2019

20.	Pawan Gupta	Formation and Dissociation Kinetics of Methane Hydrate in Aqueous Oilfield Polymer Solutions (Polyacrylamide, Xanthan Gum, and Guar Gum) and Their Performance Evaluation as Low-Dosage Kinetic Hydrate Inhibitors (LDHI)	Energy and Fuels	JUL	2019
21.	Pawan Gupta	Formation and Dissociation Kinetics of Methane Hydrate in Aqueous Oilfield Polymer Solutions (Polyacrylamide, Xanthan Gum, and Guar Gum) and Their Performance	Energy Fuels	JUL	2019
22.	Poonam Prakash Mishra	Optimal production integrated inventory model with quadratic demand for deteriorating items under inflation using genetic algorithm	Revistia Investigacion Operacional, Scopus	JUL	2019
23.	Praghnesb Bhatt	A Review on Electrical Characteristics of Nano fluid based Transformer Oil	Indian Journal of Science and Technology	JUL	2019
24.	Ritu Sharma	HIV/AIDS in India: An Overview of Policy and Psycho-Social Perspectives (Authored)	Bihar Journal of Public Administration (A Bi Annual Refereed Research Journal of IIPA (In UGC Care reference list of Journal sl.no.38,Social Sciences Journal	JUL	2019
25.	Rutvij H Jhaveri	Privacy-Preserving Forwarding using Homomorphic Encryption for Information-Centric Wireless Ad Hoc Networks	IEEE Communications Letters	JUL	2019
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27.	Sivakumar P	Production of Biodiesel from High Free Fatty Acid Feedstock by Using Heterogeneous Acid Catalyst Derived from Palm-Fruit-Bunch	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	JUL	2019
28.	Sivakumar P	Bioenergy production and metallic iron (Fe) conversion	Energy Conversion Management	JUL	2019

		from Botryococcus sp. cultivated in domestic wastewater: Algal biorefinery concept			
29.	Sivakumar P	Biodiesel Production from Tannery Waste using a Nano Catalyst (Ferric-Manganese Doped Sulphated Zirconia)	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects Submit an article New content alerts RSS Subscribe Citation search Current issue Browse list of issues Explore	JUL	2019
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		Process Parameters			
38.	Anirbid B Sircar	Self-propagating high-temperature synthesized ceramic materials for oil and gas wells: application and the challenges	Arabian Journal of Geoscience	AUG	2019
39.	Ashish B Joshi	Cash Conversion Cycle and Profitability of Textile Companies: Evidences from India	Scopus Indexed Journal (IJEAT)	AUG	2019
40.	Ashvin R Dave	Cash Conversion Cycle and Profitability of Textile Companies: Evidences from India	International Journal of Engineering and Advanced Technology (IJEAT)	AUG	2019
41.	Bhinal Bakulbhai Mehta	Microgrid Optimal Scheduling with Renewable Energy Sources Considering Islanding Constraints	Iranian Journal of Science and Technology, Transactions of Electrical Engineering	AUG	2019
42.	Ganga Prasad Pandey	Circularly polarized micro-strip antenna with fractal trees loaded ground plane	Electromagnetics	AUG	2019
43.	Jatinkumar Ravjibhai Patel	Cost analysis of solar parabolic trough collector for cooking in Indian hostel—a case study	International Journal of Ambient Energy	AUG	2019
44.	Jaykumar J Vora	Pareto optimization of WEDM process parameters for machining a NiTi shape memory alloy using a combined approach of RSM and heat transfer search algorithm	Advances in Manufacturing	AUG	2019
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47.	Manan Rajiv Shah	Self-propagating high-temperature synthesized ceramic materials for oil and gas wells: application and the challenges	Arabian Journal of Geosciences	AUG	2019

48.	Manan Rajiv Shah	Comprehensive review on application of various nanoparticles for the production of biodiesel	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	AUG	2019
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52.	Pankaj Sahlot	Heat transfer modeling of dissimilar FSW of Al 6061/AZ31 using experimentally measured thermo-physical properties	The International Journal of Advanced Manufacturing Technology	AUG	2019
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55.	Ranjan Kumar Pati	Low temperature-controlled synthesis of hierarchical Cu <sub>2</sub> O/Cu(OH) <sub>2</sub> /CuO nanostructures for energy applications	Journal of Materials Research	AUG	2019
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64.	Swapnil A Dharaskar	Zeolitic imidazolate framework-8 nanoparticle: a promising adsorbent for effective fluoride removal from aqueous solution	Applied water science	AUG	2019
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		process parameters for machining a NiTi shape memory alloy using a combined approach of RSM and heat transfer search algorithm	Manufacturing		
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78.	Balamurali Krishna Mayya K.	Observations of toroidal plasma rotation reversal in the Aditya-U tokamak	Nuclear Fusion	SEP	2019
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112.	Sweta Chetanand Balchandani	Thermally induced characterization and modeling of physiochemical, acoustic, rheological, and thermodynamic properties of	Environmental Science and Pollution Research	SEP	2019

		novel blends of (HEF+AEP) and (HEF+AMP) for CO <sub>2</sub> / H <sub>2</sub> S absorption			
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163.	Paawan Sharma	Generative Adversarial Network (GANs) based training set enhancement for Stomach Adenocarcinoma Computed Tomography (CT) scan	Procedia Computer Science	NOV	2019
164.	Pankaj Kumar Yadav	Double layer mesoscopic electron contact for efficient perovskite solar cells†	Sustainable Energy & Fuels	NOV	2019
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178.	Syed Shahabuddin	The influence of covalent and non-covalent functionalization of GNP based Nano fluids on its thermophysical, rheological and suspension stability properties	RSC Advances	NOV	2019
179.	Tejas Niranjana Dave	SCOPUS_A Study of Capital Structure and Profitability of Indian Steel Sector Companies	International Journal of Advanced Science and Technology	NOV	2019
180.	Tejas Niranjana Dave	A Study of Working Capital Management and profitability of Auto Ancillaries – Gears Firms in India	International Journal of Advanced Science and Technology	NOV	2019
181.	Vinay Vakharia	Prediction of compressive	Construction and	NOV	2019

		strength and portland cement composition using cross-validation and feature ranking techniques	Building Materials		
182.	Vishvesh Jayantbhai Badheka	Friction stir welding of dissimilar aluminium alloys AA 6061-T6 and AA 8011-h14: a novel study	Journal of the Brazilian Society of Mechanical Sciences and Engineering	NOV	2019
183.	Anirbid B Sircar	Sustainable drilling operations by utilizing waste biomass as a lost circulation additive	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	DEC	2019
184.	Anirbid B Sircar	Multi-attribute integrated flow models for shale reservoir characterization	Multiscale and Multidisciplinary Modeling, Experiments and Design	DEC	2019
185.	Anirbid B Sircar	Pre-drill pore pressure prediction and safe well design on the top of Tulamura anticline, Tripura, India: a comparative study	Journal of Petroleum Exploration and Production Technology	DEC	2019
186.	Ankur Solanki	Interfacial Mechanism for Efficient Resistive Switching in Ruddlesden-Popper Perovskites for Non-Volatile Memories	Journal of Physical Chemistry Letters	DEC	2019
187.	Annie Rachel Royson	Royson, Annie Rachel. Tell us this story from the beginning: genre, dialogue, and cultural translation in Thomas Stephenss Kristapurāṇa. 4.2 (2019):	Nidan: International Journal for Indian Studies	DEC	2019
188.	Ashish B Joshi	A Study of Capital Structure and Profitability of Indian Steel Sector Companies	Scoups Indexed Journal (IJAST)	DEC	2019
189.	Ashish B Joshi	A Study of Working Capital Management and profitability of Auto Ancillaries – Gears Firms in India	Scopus Indexed Journal (IJAST)	DEC	2019
190.	Ashish Prabhudas Unnarkat	Butyl triphenyl phosphonium bromide as an effective catalyst for ultrasound assisted oxidative desulfurization process	Materials Today: Proceedings	DEC	2019
191.	Brajesh Kumar Jha	Approximation of Calcium Diffusion in Alzheimeric Cell	Journal of Multiscale Modeling, World	DEC	2019

			Scientific		
192.	Chandra Shekhar Nishad	A non-primitive boundary integral formulation for modeling flow through composite porous channel	Engineering Analysis with Boundary Elements	DEC	2019
193.	Debasis Sarkar	Simulation Application and Project Risk Analysis and Management for Ahmedabad Metro Rail Construction Project through EVM. Fuzzy EVM and Fuzzy AHP	International Journal of Construction Project Management	DEC	2019
194.	Divi Sriram	HIV/AIDS in India: An Overview of Policy and Psycho-Social Perspectives	Bihar Journal Of Public Administration	DEC	2019
195.	Jaykumar J Vora	Growth of titanium dioxide nanorod over shape memory material using chemical vapor deposition for energy conversion application	Materials Today: Proceedings	DEC	2019
196.	Jwngsar Brahma	Pre-drill pore pressure prediction and safe well design on the top of Tulamura anticline, Tripura, India: a comparative study	Journal of Petroleum Exploration and Production Technology, Springer, SCOPUS, Vol. 9, Issue 34	DEC	2019
197.	Kiran Bhaskar Mysore	A non-contact approach for surface roughness prediction in CNC turning using a linear regression model	Materials Today: Proceedings	DEC	2019
198.	Kiran Bhaskar Mysore	Modeling and prediction of surface roughness using multiple regressions – A non-contact approach	Engineering Report	DEC	2019
199.	Kiran Bhaskar Mysore	Non-contact surface Roughness Assessment Using machine Vision Approach	Lecture Notes in Mechanical Engineering	DEC	2019
200.	Manan Rajiv Shah	Solar-assisted geothermal heat pump models for space heating and cooling	International Journal of Energy and Water Resources, Springer	DEC	2019
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202.	Manan Rajiv Shah	Biometric authentication and image encryption for image security in cloud framework	Multiscale and Multidisciplinary Modeling	DEC	2019

			Experiments and Design, Springer		
203.	Manoj Sahni	Thermo-mechanical Stress Analysis of Thick-Walled Cylinder with Inner FGM Layer	Structural Integrity and Life	DEC	2019
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225.	Vishvesh Jayantbhai Badheka	Effect of active heating and cooling on microstructure and mechanical properties of friction stir-welded dissimilar aluminium alloy and titanium butt joints	Welding in the World	DEC	2019
226.	Vivek V. Patel	Effect of active heating and cooling on microstructure and mechanical properties of friction stir-welded dissimilar aluminium alloy and titanium butt joints	Welding in the World	DEC	2019
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		thin film formation during spin coating by simultaneous in situ absorption and photoluminescence spectroscopy			
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238.	Jaykumar J Vora	Surface Analysis of Wire-Electrical-Discharge-Machining-Processed Shape-Memory Alloys	Materials	JAN	2020
239.	Kush P Mehta	Repairing of exit-hole in dissimilar Al-Mg friction stir welding: process and microstructural pattern	Manufacturing Letters	JAN	2020
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246.	Pankaj Kumar Yadav	Interpretation of Resistance, Capacitance, Defect Density and Activation Energy Levels in Single-Crystalline MAPbI	Journal Of Physical Chemistry C	JAN	2020
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291.	Surendra Singh Kachhwaha	Assessment of Factors Affecting Onshore Wind Power Deployment in India	Environment and Climate Technology, 2020, vol. 24, no. 1, pp. 185–208	FEB	2020
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311.	Ashvin R Dave	The Study of Online Food Ordering Industry	Studies in Indian Place Names (UGC Care Journal)	MAR	2020
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350.	Garlapati Nagababu	Assessment of Factors Affecting Onshore Wind Power Deployment in India	Environmental and Climate Technologies	APR	2020
351.	Manan Rajiv	Membrane-based downhole	Journal of Petroleum	APR	2020

	Shah	oil–water separation (DOWS) technology: an alternative to hydrocyclone-based DOWS	Exploration and Production Technology, Springer		
352.	Pallabi Saikia	A review of deep learning with special emphasis on architectures, applications and recent trends	Knowledge-Based Systems	APR	2020
353.	Paul Naveen	Measurement of coalbed gas content of Indian coalfields: a statistical approach	International Journal of Oil, Gas and Coal Technology	APR	2020
354.	Rajat Saxena	Experimental assessment of Phase Change Material (PCM) embedded bricks for passive conditioning of buildings	Elsevier - Renewable Energy	APR	2020
355.	Sivakumar P	Rice husk derived silica Nano doped on calcium peroxide for fluoride: Performance, characterization, kinetic, isotherm, and groundwater treatment	Environmental Technology & Innovation	APR	2020
356.	Debasis Sarkar	Development of Integrated Cloud-Based Internet of Things (IoT) Platform for Asset Management of Elevated Metro Rail Projects	International Journal of Construction Management	MAY	2020
357.	Manish Kumar Sinha	Iron oxide nanoparticles modified with ionic liquid as an efficient adsorbent for fluoride removal from groundwater	Environmental Technology & Innovation	MAY	2020
358.	Ravi Tejasvi	Thermochemical method of synthesizing stemmed Nano flower TiO <sub>2</sub> /eC <sub>3</sub> N <sub>4</sub> heterojunction structures with enhanced solar water splitting	IOP Journal of Physics: Energy	MAY	2020
359.	Simran Jeet Singh	Thermal buckling of porous symmetric and non-symmetric sandwich plate with homogenous core and S-FGM face sheets resting on Pasternak foundation	International Journal of Mechanics and Materials in Design	MAY	2020
360.	Sweta Chetananand Balchandani	Measurements and modeling of vapor liquid equilibrium of CO <sub>2</sub> in amine activated imidazolium ionic liquid solvents	Fluid Phase Equilibria	MAY	2020

## Books

Sr. No.	Faculty	Title	Month	Year
1.	Harmik D Vaishnav	Wander and Wonder With Words	JUL	2019
2.	Jigarkumar Harshadkumar Shah	Single Channel Speech Enhancement Techniques and Implementations	JUL	2019
3.	Tanushri Arindam Banerjee	Business Analytics - Text and Cases (contract signed with SAGE)	SEP	2019
4.	Pramod Damodar Paliwal	Natural Gas Transmission and Distribution Business-Special Indian Reprint	NOV	2019
5.	Sudhir Yadav	NG Transmission and Distribution Business - Sp Indian Reprint	NOV	2019
6.	Jitendra G. Jamnani	Electrical Machines-I	DEC	2019
7.	Anirbid B Sircar	Some facts on compressed natural gas in City Gas Distribution	JAN	2020
8.	Divi Sriram	Introduction to Public Administration: Concepts and Theories	JAN	2020
9.	Satish Chandra Pandey	ICEIM-2020: International Conference on Energy and infrastructure Management	FEB	2020
10.	Urmi Satyan Dave	Indian Diaspora and Identities: A Study of M.G Vassanji's Novels and Memoirs	FEB	2020
11.	Kiran Bhaskar Mysore	Fundamentals of Additive Manufacturing	MAR	2020
12.	Paawan Sharma	Machine Learning and Deep Learning in Real-Time Applications	MAR	2020
13.	Sanjay Kumar Pradhan	Indias Quest for Energy Through Oil and Natural Gas: Trade and Investment, Geopolitics, and Security (published by Springer, Singapore)	MAY	2020
14.	Anirbid B Sircar & Kriti yadav	Natural Gas-Comprehensive Study, Technology Publishers	?????	2020
15.	Shashi Shekhar Prasad Singh, Jatin Agrawal, Nagmani	Offshore Operations And Engineering, 1 <sup>st</sup> Edition CRC	?????	???

## Articles/Chapters Published in the books

Sr. No.	Faculty	Title	Month	Year
1.	Anurag Mudgal	Thermo economic analysis of single effect Li-BR-H <sub>2</sub> O ARS system	JUN	2019
2.	Hardik Patel	Application of 3D Level Set Based Optimization in Microwave Breast Imaging for Cancer Detection	JUL	2019
3.	Manoj Sahni	Analysis of Orthotropic Variable Thickness Rotating Disc	JUL	2019
4.	Vidhi Vyas	A Decision Making Framework for Condition Evaluation of Airfield Pavements Using Non-Destructive Testing.	JUL	2019
5.	Pradeep Kumar Mallik	Using Social Media for Empowering Women: A Case of Sensitizing Men to Menstruation	AUG	2019
6.	Bhinal Bakulbhai Mehta	Optimal Utilization of Reactive Power Capability of Renewable Energy Based Distributed Generation for Improved Performance of Distribution Network	SEP	2019
7.	Hardik K Jani	Wind Farm Layout Optimization Using Teaching Learning Based Optimization Technique Considering Power and Cost	SEP	2019
8.	Harmik D Vaishnav	Iliad and Ramayan: A Study in Comparison and Contrast	SEP	2019
9.	Mehul Shirishchandra Raval	Algorithms for Optimization and Machine Learning over Cloud	SEP	2019
10.	Praghresh Bhatt	Voltage Control of Wind and Diesel-Based Distributed Generating System Using PSO and CSA	SEP	2019
11.	Praghresh Bhatt	Optimal Utilization of Reactive Power Capability of Renewable Energy Based Distributed Generation for Improved Performance of Distribution Network	SEP	2019
12.	Ganga Prasad Pandey	Compact Circularly Polarized Symmetric Fractal Slits Loaded Micro-strip Antenna	OCT	2019
13.	Jaykumar J Vora	Multi-response Optimization of Ni55.8Ti Shape Memory Alloy Using Taguchi–Grey Relational Analysis Approach	OCT	2019
14.	Rajib Bandyopadhyay	Development of hierarchical MCM-22 layered zeolite for selective glycerol dehydration	OCT	2019
15.	Rakesh Vasant Chaudhari	Multi-response Optimization of Ni55.8Ti Shape Memory Alloy Using Taguchi–Grey Relational Analysis Approach	OCT	2019
16.	S. Venkata Krishnan	North East Indias Border – A Geographical Study	OCT	2019
17.	Surendra Singh Kachhwaha	Experimental investigation of in-situ biodiesel production from Castor seeds (Ricinus Communis) using combination of microwave and ultrasound irradiation	OCT	2019



18.	Abhijit Kakati	Rheology of heavy crude oil and asphaltene-polymer composite blends	NOV	2019
19.	Bhinal Bakulbhai Mehta	Comparative Analysis for INC and P&O MPPT Based Photovoltaic Energy Conversion System	NOV	2019
20.	Bhinal Bakulbhai Mehta	Active and Reactive Power Control of Photovoltaic Power Plant Under Normal and Abnormal Grid Conditions	NOV	2019
21.	Nimra Memon	Comparative Analysis of Artificial Neural Network and XGBoost Algorithm for PolSAR Image Classification	NOV	2019
22.	Pradeep Kumar Mallik	Symbols in Political Communication: A Case Study of Narendra Modis run-up to Parliamentary Election	NOV	2019
23.	Samir B. Patel	Land Cover Classification Using Ensemble Techniques	NOV	2019
24.	Sivakumar P	Application of Heterogeneous Acid Catalyst Derived from Biomass for Biodiesel Process Intensification: A Comprehensive Review	NOV	2019
25.	Urmi Satyan Dave	Ethnic vs. Acquired Identity: A study of The Enigma of Arrival by VS Naipaul.	NOV	2019
26.	Divi Sriram	Change Management and Capacity Building	DEC	2019
27.	Divi Sriram	Social media and Governance	DEC	2019
28.	Hardik K Jani	A Comparative Analysis of LiDAR and Wind Mast Measured Wind Data with the Reanalysis Datasets for an Offshore Location of Gujarat	DEC	2019
29.	Pallabi Saikia	Seismic Signal Interpretation for Reservoir Facies Classification	DEC	2019
30.	Samir B. Patel	Comparative Analysis of Artificial Neural Network and XGBoost Algorithm for PolSAR Image Classification	DEC	2019
31.	Vipindas K	Machining of Borosilicate Glass Using Micro-End Milling	DEC	2019
32.	Vipindas K	Modeling of Mechanical Residual Stresses in Micro-End Milling of Ti-6Al-4V Alloy	DEC	2019
33.	Brajesh Kumar Jha	A Fractional Mathematical Model to Study the Effect of Buffer and Endoplasmic Reticulum on Cytosolic Calcium Concentration in Nerve Cells	JAN	2020
34.	Garlapati Nagababu	A Comparative Analysis of LiDAR and Wind Mast Measured Wind Data with the Reanalysis Datasets for an Offshore Location of Gujarat	JAN	2020
35.	Garlapati Nagababu	Wind Farm Layout Optimization Using Teaching Learning Based Optimization Technique Considering Power and Cost	JAN	2020
36.	Kiran Bhaskar Mysore	Additive Manufacturing of Titanium Alloys	JAN	2020
37.	Kiran Bhaskar Mysore	Application of Artificial Intelligence in Additive Manufacturing	JAN	2020

38.	Leena Santosh	Optimal Power Flow in Power Networks with TCSC Using Particle Swarm Technique	JAN	2020
39.	Leena Santosh	Recourse-based Stochastic Market Clearing Algorithm	JAN	2020
40.	Mehul Shirishchandra Raval	Person Retrieval in Surveillance Videos using Deep Soft Biometrics	JAN	2020
41.	Nirav P Patel	Comparative Investigation of Alloy Plates against Ballistic Impact, blast, and fire loading	JAN	2020
42.	Nirav P Patel	The analytical study of Stress Concentration Factor in an Infinite Plate at various Temperatures	JAN	2020
43.	Paawan Sharma	FM Broadcast Audio Signal Analysis Using Time–Frequency Distribution Function	JAN	2020
44.	Poonam Prakash Mishra	Recourse - based Stochastic Market Clearing Algorithm	JAN	2020
45.	Praghmesh Bhatt	Review of the Impact of Vehicle-to-Grid Schemes on Electrical Power Systems	JAN	2020
46.	Pramod Damodar Paliwal	A Study of Quality of Service Parameters of Natural Gas Companies	JAN	2020
47.	Rajat Saxena	Review on PCM application for cooling load reduction in buildings	JAN	2020
48.	Surendra Singh Kachhwaha	A Comparative Analysis of LiDAR and Wind Mast Measured Wind Data with the Reanalysis Datasets for an Offshore Location of Gujarat	JAN	2020
49.	Vivek Jayantkumar Pandya	Optimal Power Flow in Power Networks with TCSC Using Particle Swarm Optimization Technique	JAN	2020
50.	Vivek K. Patel	Biogeography Based Optimization for Water Pump Switching Problem	JAN	2020
51.	Amit V. Sant	LPF-BPF Fundamental Current Extractor Based Shunt Active Filtering with Grid Tied PV System	FEB	2020
52.	Amit V. Sant	Hierarchical Demand Response Controller	FEB	2020
53.	Divi Sriram	Digitization and Organizational Culture	FEB	2020
54.	Poonam Prakash Mishra	Allocation of order amongst available suppliers using Multi - objective Genetic algorithm	FEB	2020
55.	Poonam Prakash Mishra	Supply chain network Optimization through Player selection using Multi - objective Genetic Algorithm	FEB	2020
56.	Tejaskumar Thaker	Examination of Present Subsurface Investigation Data for Valuation of Liquefaction Potential for Ahmadabad City by Means of SPT-N Value	FEB	2020
57.	Bharti Saini Verma	Humic Acid Removal from Water Using Hydrophilic Polysulfone Membrane	MAR	2020
58.	Somdeb Lahiri	Representation of Extended Choice Functions by Stochastic Choice Functions	MAR	2020
59.	Vivek Jayantkumar Pandya	Voltage Control of Wind and Diesel Based Distributed Generating System Using PSO and CSA	MAR	2020

60.	Jwngsar Brahma	Determination of Some Geo-Mechanical Parameters and the Effect of Anisotropy in Sedimentary Rocks for Hydrocarbon Exploration and Exploitation Using Core Samples in Western Part of Tripura, India.	APR	2020
61.	Pravin Kodgire	Experimental Investigation of In-situ Biodiesel Production from Castor Seeds ( <i>Ricinus communis</i> ) Using Combination of Microwave and Ultrasound Intensification	MAY	2020
62.	V S K V Harish	Building to Grid integration for smart grids	MAY	2020

## Reports

Sr. No.	Faculty	Title	Month	Year
1.	Nishant Doshi	A Transformational Study with Teaching	JUN	2019
2.	Anurag Mudgal	<a href="https://www.india-h2o.eu/">https://www.india-h2o.eu/</a>	DEC	2019

## Papers in conference proceedings

Sr. No.	Faculty	Title	Month	Year
1.	Daya Shankar Kaul	Development of a low cost miniature device for high spatial, distributed monitoring of aerosol optical depth for regional level microclimatic studies	JUN	2019
2.	Kiran Bhaskar Mysore	A Novel way to schedule Flexible Manufacturing System	JUN	2019
3.	Paul Naveen	Variations of Micropore Structure of Coal with Adsorption/Desorption of Gas	JUN	2019
4.	Rohit Srivastava	Study of Monsoonal Features Using Regional Climate Model over Heterogeneous Monsoon Dominated Region	JUN	2019
5.	Santosh Kumar Bharti	VM Selection using DVFS Technique to Minimize Energy Consumption in Cloud System	JUN	2019
6.	Bhinal Bakulbhai Mehta	Comparative analysis for INC & P&O MPPT based Photovoltaic energy conversion system	JUL	2019
7.	Bhinal Bakulbhai Mehta	Active and Reactive Power Control of Photovoltaic Power Plant under Normal and Abnormal Grid Conditions	JUL	2019
8.	Jitendra G. Jamnani	Design and Analysis of Typical Chemical Industry Electrical Distribution Network for Voltage Profile Improvement	JUL	2019
9.	Kishan Ashok Fuse	Case Study: Lean Techniques used in different Manufacturing Industries	JUL	2019
10.	Kishan Ashok Fuse	Optimization of Granite Cutting in Abrasive Water Jet Machining using Taguchi Technique	JUL	2019
11.	Siddharth Sanjaykumar Joshi	Active and Reactive Power Control of Photovoltaic Power Plant under Normal and Abnormal Grid Conditions	JUL	2019
12.	Siddharth Sanjaykumar Joshi	Comparative analysis for INC & P&O MPPT based Photovoltaic energy conversion system	JUL	2019
13.	Tejaskumar Thaker	Application of Building Information Modeling in Facility Management: A Case Study of a Commercial Project	JUL	2019
14.	Lubhani Mishra	Steady flow of power-law fluids past a sphere in a tapered tube	AUG	2019
15.	Manan Rajiv Shah	Implementation Of Automated Essay Scoring Using LSTM	AUG	2019
16.	Manan Rajiv Shah	Minimal communication and Interactive Device for Disabled People	AUG	2019

17.	Manan Rajiv Shah	Recurrent Neural Network Approach to Automated Essay Scoring	AUG	2019
18.	Rutvij H Jhaveri	Managing Industrial Communication Delays with Software-Defined Networking	AUG	2019
19.	Swapnil A Dharaskar	Feasibility study of phosphonium ionic liquids as efficient solvent for sulfur extraction from liquid fuels	AUG	2019
20.	Vinay Vakharia	Ball Bearing Fault Diagnosis Using Mutual Information and Walsh Hadamard Transform	AUG	2019
21.	Vivek K. Patel	Performance Evaluation of Latent Heat Thermal Storage Unit by integrating it with Flat Plate type Solar Air Heater	AUG	2019
22.	Vivek K. Patel	Feasibility and parametric study of a thermal-energy driven Reverse Osmosis system for Water Treatment in India	AUG	2019
23.	Debasis Sarkar	Key Performance Indicators and 4D Modeling of Metro Rail Project for Clash Detection through BIM	SEP	2019
24.	Debasis Sarkar	Application of Smart Systems for Real Time Monitoring of RMC Delivery	SEP	2019
25.	Debasis Sarkar	Application of Genetic Algorithm for Scheduling Delivery and Dispatching Sequence of Ready Mixed Concrete for Commercial Batching Plants in India	SEP	2019
26.	Jitendra G. Jamnani	Short Circuit Analysis of Electrical Distribution System for Typical Chemical Industry	SEP	2019
27.	Jitendra G. Jamnani	Analysis and Mitigation of Harmonics for Standard IEEE Bus test system using ETAP	SEP	2019
28.	Nishant Doshi	Real Time Adaptive Traffic Control System : A Hybrid Approach	SEP	2019
29.	Parth Prajapati	Multi-objective optimization of CuO based organic Rankine cycle operated using R245ca	SEP	2019
30.	Parth Prajapati	Experimental and CFD analysis on heat transfer and fluid flow characteristic of a tube equipped with variable pitch twisted tape	SEP	2019
31.	Pavan Kumar Gurralla	To Study the Influence of Temperature on Strength during Free Form Fabrication (FFF)	SEP	2019
32.	Rajesh Patel	Exergy Analysis—A Useful Concept of Sustainability for Air Source Heat Pump System	SEP	2019
33.	Reema R. Patel	Real Time Adaptive Traffic Control System : A Hybrid Approach	SEP	2019
34.	Santosh Kumar Bharti	A Pocket-Friendly Denomination Identifier Tool	SEP	2019

		For The Blind: A Case Study of Torch-It Electronics		
35.	Vivek K. Patel	Multi-objective optimization of CuO based organic Rankine cycle operated using R245ca	SEP	2019
36.	Abhishek Kumar	Design and Fabrication of Outboard Braking System for All Terrain Vehicle	OCT	2019
37.	Abhishek Kumar	Design and Fabrication of Outboard Braking System for All Terrain Vehicle	OCT	2019
38.	Anilkumar Trikambhai Markana	Standalone microgrid with five-level diode clamped inverter based hybrid generation system	OCT	2019
39.	Harmik D Vaishnav	The Communion of Silence, Self and Others	OCT	2019
40.	Mehul Shirishchandra Raval	Prediction of Overall Survival of Brain Tumor Patients	OCT	2019
41.	Pallabi Saikia	Investigating Stacked Ensemble Model for Oil Reservoir Characterisation	OCT	2019
42.	Pallabi Saikia	Reservoir Facies Classification using Convolutional Neural Networks	OCT	2019
43.	Rakesh Vasant Chaudhari	Experimental investigation of FDM process parameters using Taguchi analysis	OCT	2019
44.	S. Venkata Krishnan	ASEANs External Relations – A Comparative Study	OCT	2019
45.	V S K V Harish	Development of a building energy model based on state space analysis and determining the performance characteristics	OCT	2019
46.	V S K V Harish	Stability analysis of reduced order building energy models for optimal energy control	OCT	2019
47.	V S K V Harish	Integration of automated Demand Response and Energy Efficiency to enable a smart grid infrastructure	OCT	2019
48.	V S K V Harish	Development of a Peer to peer electricity exchange model in micro grids for rural electrification	OCT	2019
49.	Abhishek Kumar	Improving Quartz Micro-machining Performance By Magneto hydrodynamic And Zinc-coated Assisted Traveling wire-Electrochemical Discharge Machining Process	NOV	2019
50.	Amit V. Sant	2nd Order Butterworth Filter Based Control Strategy for Fast Dynamic Response of UPQC-Multiconverter(UPQC - MC)For Performance Improvement	NOV	2019
51.	Amrita Chakraborty	Effectiveness of Public Persuasion through the Tweets Made by Digital India Initiative among	NOV	2019

		Netizens		
52.	Dhruvesh P Patel	Identification of Vegetation growth potential area and soil conservation area using Morphometric analysis, WSA and Geo-Spatial Techniques- A case of Rel-River watersheds, Gujarat, India	NOV	2019
53.	Dhruvesh P Patel	Preparation of Tier-3 Emergency Action Plan (EAP) for Indian Dams using 1D/2D coupled Hydrodynamic modeling- A case of Ukia Dam, Surat, Gujarat, India	NOV	2019
54.	Kiran Bhaskar Mysore	Non-contact surface roughness measurement using laser speckle technique	NOV	2019
55.	V S K V Harish	An investigation on application of passive strategies to improve thermal performance of buildings	NOV	2019
56.	Vipin S. Shukla	FMD and Mastitis Disease Detection in Cows Using Internet of Things (IOT)	NOV	2019
57.	Abhishek Kumar	Micro-Machining Characteristics of Quartz Using Travelling Wire-Electrochemical Discharge Machining (TW-ECDM) Process	DEC	2019
58.	Amit V. Sant	Comparison of UPQC Topologies for Power Quality Enhancement in Grid Integrated Renewable Energy Sources	DEC	2019
59.	Anilkumar Trikambhai Markana	Dynamic state estimation for multi-machine power system using WLS and EKF: A comparative study	DEC	2019
60.	Anurag Mudgal	Performance Evaluation of Latent Heat Thermal Storage Unit by integrating it with Flat Plate type Solar Air Heater	DEC	2019
61.	Avirup Maulik	Optimal scheduling of an Islanded Microgrid with complex impedances considering load demand and renewable power uncertainties	DEC	2019
62.	Avirup Maulik	Improvement of the Dynamic Performance of an Islanded DC Microgrid Using Optimized Virtual Inertia	DEC	2019
63.	Debasis Sarkar	Productivity Analysis and Optimization for Real Estate Project: A Review of Literature	DEC	2019
64.	Debasis Sarkar	Risk Based Integrated Project Delivery Model for Metro Rail Station Box: A Review of Literature	DEC	2019
65.	Debasis Sarkar	Application of 6D BIM in Designing of Energy Efficient Metro Rail Station	DEC	2019
66.	Debasis Sarkar	Development of sustainable transportation model in Indian scenario : a review of literature	DEC	2019



67.	Debasis Sarkar	Elitist Genetic Algorithm for Optimization of Large Sized Resource Constrained Infrastructure Project: A Review of Literature	DEC	2019
68.	Dhruvesh P Patel	Comparative Analysis of Artificial Neural Network and XGBoost Algorithm for PolSAR image Classification	DEC	2019
69.	Jatinkumar Ravjibhai Patel	Performance Evaluation of Latent Heat Thermal Storage Unit by integrating it with Flat Plate type Solar Air Heater	DEC	2019
70.	Jatinkumar Ravjibhai Patel	Feasibility and parametric study of a thermal-energy driven Reverse Osmosis system for Water Treatment in India	DEC	2019
71.	Jigarkumar Harshadkumar Shah	Performance Analysis of Supervised Machine Learning Algorithms to Recognize Human Activity in Ambient Assisted Living Environment	DEC	2019
72.	Meera Karamta	Dynamic state estimation for multi-machine power system using WLS and EKF: A comparative study	DEC	2019
73.	Nishant Doshi	Cryptanalysis of ecc-based key agreement scheme for generic IoT network model	DEC	2019
74.	Praghmesh Bhatt	Future Challenges and Issues in Evolution of the Smart Grid and Recommended Possible Solutions	DEC	2019
75.	Prahlad Kumar Baruah	Shadowgraphic Imaging of Cavitation Bubble Dynamics in Pulsed Laser Ablation of a Solid in Liquid	DEC	2019
76.	Prahlad Kumar Baruah	Laser Induced Cavitation Bubble Dynamics from Twin Breakdown Sites	DEC	2019
77.	Rakesh Vasant Chaudhari	Growth of titanium dioxide nanorod over shape memory material using chemical vapor deposition for energy conversion application	DEC	2019
78.	Santosh Kumar Bharti	An Improved Approach for Sarcasm Detection Avoiding Null Tweets	DEC	2019
79.	Tejaskumar Thaker	Development of Empirical Correlation between Standard Penetration Test and Shear Wave Velocity	DEC	2019
80.	Tejaskumar Thaker	Ground Response Study for Low Seismic Areas in Central Gujarat Region	DEC	2019
81.	Tejaskumar Thaker	Improving Energy and Thermal Performance of Residential Building in a hot and dry climate by adoption of green roof	DEC	2019
82.	Vipindas K	Modeling and Simulation of Cutting Temperature during Micro Endmilling on	DEC	2019

		Inconel 718		
83.	Vishvesh Jayantbhai Badheka	Improving quartz micro-machining performance by magneto hydrodynamic and zinc-coated assisted traveling wire-electrochemical discharge machining process	DEC	2019
84.	Vivek Jayantkumar Pandya	A Faulty Section Identification Scheme in Thyristor Controlled Series Compensated Transmission Lines using Superimposed Currents	DEC	2019
85.	Vivek Jayantkumar Pandya	Comparison of UPQC Topologies for Power Quality Enhancement in Grid Integrated Renewable Energy Sources	DEC	2019
86.	Vivek Jayantkumar Pandya	Future Challenges and Issues in Evolution of the Smart Grid and Recommended Possible Solutions	DEC	2019
87.	Vivek Jayantkumar Pandya	Multi Classification of Static Security Assessment using Teaching Learning based Optimization enhanced Support Vector Machine	DEC	2019
88.	Vivek Jayantkumar Pandya	Binary Classification of Static Security Assessment using Teaching Learning based Optimization enhanced Support Vector Machine	DEC	2019
89.	Kiran Bhaskar Mysore	Minimum Zone algorithm to detect roughness error for machined rods using vision system	JAN	2020
90.	Kiran Bhaskar Mysore	Evaluation of Parallelism in V-Block using Vision System	JAN	2020
91.	Parth Prajapati	Comparative study of heat transfer characteristics of a tube equipped with X-shaped and twisted tape insert	JAN	2020
92.	Swapnil A Dharaskar	Removal of arsenic using iron oxide amended with rice husk nanoparticles from aqueous solution	JAN	2020
93.	Amit V. Sant	Hierarchical Demand Response Controller	FEB	2020
94.	Amit V. Sant	LPF-BPF Fundamental Current Extractor Based Shunt Active Filtering with Grid Tied PV System	FEB	2020
95.	Amit V. Sant	Analysis of a New Symmetric Multilevel Inverter Topology with Reduced Component Count	FEB	2020
96.	Anilkumar Trikambhai Markana	Robotic grasp synthesis using deep learning approaches: A survey	FEB	2020
97.	Anirbid B Sircar	Modeling and Performance Prediction of Solar Parabolic Trough Collector for Hybrid Geothermal Power Generation: A Case Study of Dholera, Gujarat, India	FEB	2020

98.	Dhruvesh P Patel	A Noval Approach of PolSAR Image Classification using Naïve Bayes Classifier	FEB	2020
99.	Garlapati Nagababu	Impact of Policies on wind and solar power deployment in India	FEB	2020
100.	Jigarkumar Harshadkumar Shah	Hybrid User Clustering-based Travel Planning System for Personalized Point-of-Interest Recommendation	FEB	2020
101.	Kiran Bhaskar Mysore	Prediction of surface Roughness in CNC Milling by Using Vision System Using texture features based Regression model	FEB	2020
102.	Kiran Bhaskar Mysore	A non-contact approach for surface roughness prediction in CNC turning using a linear regression model	FEB	2020
103.	Manan Rajiv Shah	A Novel Approach for Downhole Power Generation in Geothermal Wells Using Thermoelectric Generator	FEB	2020
104.	Manan Rajiv Shah	Selection of Working Fluids for Low Enthalpy Geothermal Organic Rankine Cycles	FEB	2020
105.	Namrata Bist Rawat	Modeling and Performance Prediction of Solar Parabolic Trough Collector for Hybrid Geothermal Power Generation: A Case Study of Dholera, Gujarat, India	FEB	2020
106.	Pravin Kodgire	Effectiveness of RSM based Box Behnken DOE over con-ventional method for process optimization of biodiesel production	FEB	2020
107.	Rutvij H Jhaveri	Hybrid User Clustering-based Travel Planning System for Personalized Point-of-Interest Recommendation	FEB	2020
108.	Santosh Kumar Bharti	Applications of Artificial Intelligence in Vehicular Networks: Review	FEB	2020
109.	Sudhir Yadav	Energy Management – Technology, Tools, Strategies and Applications for Sustainability	FEB	2020
110.	Sudhir Yadav	Artificial Intelligence and Machine Learning in Oil and Gas Sector	FEB	2020
111.	Sudhir Yadav	Small E & P Operators Need to Develop Risk Analytics Engine and Maintain Risk Registers to Avert Financial Shock in Oil and Gas Business	FEB	2020
112.	Surendra Singh Kachhwaha	Impact of Policies on wind and solar power deployment in India	FEB	2020
113.	Surendra Singh Kachhwaha	Effectiveness of RSM based Box Behnken DOE over conventional method for process optimization of biodiesel production	FEB	2020
114.	Jigarkumar	Smart Ecosystem to Facilitate the Elderly in	MAR	2020

	Harshadkumar Shah	Ambient Assisted Living		
115.	Paawan Sharma	An Add-in Tool for BIM-Based Electrical Load Forecast for Multi-building Microgrid Design	MAR	2020
116.	Pravin Kodgire	Treatment of pharmaceutical industry wastewater using ultrasound cavitation reactor	MAR	2020
117.	Pravin Kodgire	Treatment of Greywater by Pulse Ultrasound Sonication: A Novel Approach	MAR	2020
118.	Samir B. Patel	Transfer Learning Approach for Patch Level Classification in Remote Sensing	MAR	2020
119.	Santosh Kumar Bharti	Combating Depression in Students using an Intelligent ChatBot: A Cognitive Behavioral Therapy	MAR	2020
120.	Tejaskumar Thaker	Estimation of Predominant Frequency using Near Field Ground Motions – A Case Study of Vadodara Region, Gujarat	MAR	2020
121.	Tejaskumar Thaker	Deterministic Seismic Hazard Analysis of Dahej Region, Gujarat	MAR	2020
122.	Vishvesh Jayantbhai Badheka	Multi-Response Optimization of Dissimilar Al-Ti Alloy FSW Using Taguchi - Grey Relational Analysis	MAR	2020
123.	Amit V. Sant	Operational Amplifier Based Low Power dc–ac Converter for Domestic Applications	APR	2020
124.	Anirbid B Sircar	Hybrid Geothermal and Solar Setup for Low Enthalpy Geothermal Reservoirs: A Case Study from Gujarat, India	APR	2020
125.	Anirbid B Sircar	Joint Inversion of Seismic and Geoelectric Sounding using Genetic Algorithm for Geothermal prospect Identification	APR	2020
126.	Namrata Bist Rawat	Hybrid Geothermal and Solar Setup for Low Enthalpy Geothermal Reservoirs: A Case Study from Gujarat, India	APR	2020
127.	Uttam Kumar Bhui	Interaction study between crude oils and saline surfactant solutions: Understanding the role of co-surfactants for enhanced oil recovery during surfactant flooding	MAY	2020
128.	Uttam Kumar Bhui	Designing injection fluid during surfactant flooding: an experimental study based on optical characterization of crude oil–aqueous surfactant solution	MAY	2020

**Papers presented in Conferences, Seminars, Workshops, Symposia**

<b>Sr. No.</b>	<b>Faculty</b>	<b>Title</b>	<b>Month</b>	<b>Year</b>
1.	Ankur Solanki	Influence of inorganic cations on recombination mechanism in perovskite solar cells	JUN	2019
2.	Dishant M. Pandya	Mathematical Modelling Through Superformula	JUN	2019
3.	Kaushal Kishore	A Study on Corporate Social & Environmental Responsibility (Sustainability) Initiatives of Oil Marketing Companies in India	JUN	2019
4.	Prahlad Kumar Baruah	Application of Pulsed Lasers in Micro-machining and Nanoparticle Synthesis (Invited Talk)	JUN	2019
5.	Satish Chandra Pandey	Exploring Meaningful Career through The Alchemist: Cognitive, Social and Emotional Approaches to Management Learning	JUN	2019
6.	Satish Chandra Pandey	Rethinking of Human Resource Management Practices in South Asia: An Integrated Model of Dynamic Capability and Innovation	JUN	2019
7.	Dishant M. Pandya	Applications of Mathematics in Engineering	JUL	2019
8.	Dishant M. Pandya	Educational and Vocational Guidance to Graduate Students in BioMedical Field	JUL	2019
9.	Jitendra G. Jamnani	Design and Analysis of Typical Chemical Industry Electrical Distribution Network for Voltage Profile Improvement	JUL	2019
10.	Manoj Kumar Kumar	invited talk Characterization of Solar cell	JUL	2019
11.	Nausheen Nizami	Industry 4.0 and Its Creative Destruction effects on Work in Information Technology and Analytics industry- An empirical analysis	JUL	2019
12.	Rakesh Vasant Chaudhari	Multi-response Optimization of WEDM Parameters Using an Integrated Approach of RSM-GRA Analysis for Pure Titanium	JUL	2019
13.	Ritu Sharma	Mapping Core Belief and Personal Values at the Workplace-Cognitive Behaviour Intervention for Corporates in India (Symposium Speaker)	JUL	2019
14.	Siddharth Sanjaykumar Joshi	Comparative analysis for INC & P&O MPPT based Photovoltaic energy conversion system	JUL	2019
15.	Siddharth Sanjaykumar Joshi	Comparative analysis for INC & P&O MPPT based Photovoltaic energy conversion system	JUL	2019
16.	Swapnil A Dharaskar	Represented as Judge in 12th EURECA International Engineering Research Conference	JUL	2019
17.	Swapnil A Dharaskar	Feasibility study of phosphonium-based ionic liquids as Energy Efficient solvents for	JUL	2019

		extractive desulfurization of liquid fuels		
18.	Swapnil A Dharaskar	Workshop	JUL	2019
19.	Abhishek Kumar	Design and Fabrication of Outboard Braking System for eBAJA Vehicle	AUG	2019
20.	Ashish Prabhudas Unnarkat	Carbonized ZIF supported catalyst for oxidation of cyclohexane	AUG	2019
21.	Ashish Prabhudas Unnarkat	Bimetallic catalysed decomposition of hydrogen peroxide – Understanding support effect	AUG	2019
22.	Ashish Prabhudas Unnarkat	Mesoporous Cobalt Oxide for Selective Oxidation of Ethyl Benzene	AUG	2019
23.	Hari S	Wire Arc Additive Manufacturing of Functionally Graded Material for marine riser application	AUG	2019
24.	Md. Sharifuddin Ansari	Mixed convection heat transfer from a stretching surface in flow of Casson nanofluid under the effects of activation energy	AUG	2019
25.	Neeta Sinha	Work life balance of millennial male in power sector of Gujarat	AUG	2019
26.	Pradeep Kumar Mallik	Using Social Media for Empowering Women: A Case of Sensitizing Men to Menstruation	AUG	2019
27.	Pradeep Kumar Mallik	Role of Social Media in Social Transformation	AUG	2019
28.	S. Venkata Krishnan	A Tribe is in Transition – Future will be a Predation or Mutualism?	AUG	2019
29.	Surendra Sasi Kumar Jampa	Carbonized ZIF Supported Catalyst for Oxidation of Cyclohexane	AUG	2019
30.	Swapnil A Dharaskar	Bimetallic catalysed decomposition of hydrogen peroxide – Understanding support effect	AUG	2019
31.	Abhishek Kumar Gupta	Effect of Co-solvent (Ethanol) and PAA concentration on the structure and dynamics of sodium-polyacrylate (Na+-PAA) in solutions investigated by MD Simulations	SEP	2019
32.	Amrita Chakraborty	Identification of Public Sentiment over Comments through Tweets by Digital India over the Period from November 21, 2016 to November 20, 2017	SEP	2019
33.	Debasis Sarkar	Application of Genetic Algorithm for Dispatching Schedule Optimization of RMC: A Review of Literature	SEP	2019
34.	Debasis Sarkar	Application of Smart Systems for Real Time Monitoring of RMC Delivery	SEP	2019
35.	Debasis Sarkar	Key Performance Indicators and 4D Modeling of	SEP	2019

		Metro Rail Project for Clash Detection through BIM		
36.	Jitendra G. Jamnani	Short Circuit Analysis of Electrical Distribution System for Typical Chemical Industry	SEP	2019
37.	Jitendra G. Jamnani	Analysis and Mitigation of Harmonics for Standard IEEE Bus test system using ETAP	SEP	2019
38.	Nishant Doshi	Real Time Adaptive Traffic Control System : A Hybrid Approach	SEP	2019
39.	Pavan Kumar Gurralla	To study the influence of temperature on strength during free form fabrication (FFF)	SEP	2019
40.	Rajat Saxena	Phase Change Material (PCM) incorporated bricks: A passive alternative for building energy conservation	SEP	2019
41.	Rajesh Patel	Exergy Analysis—A Useful Concept of Sustainability for Air Source Heat Pump System	SEP	2019
42.	Ramesh Kumar Guduru	Multivalent Aqueous Electrolytes: Charge Storage in Faradaic and Non-Faradaic Electrodes	SEP	2019
43.	Reema R. Patel	Real Time Adaptive Traffic Control System : A Hybrid Approach	SEP	2019
44.	Sanjay Kumar Pradhan	India and Africa in the Energy Sector (Oil & Natural Gas): Cooperation and Issues of Concern	SEP	2019
45.	Sanjay Kumar Pradhan	India and Africa in the Energy Sector (Oil & Natural Gas): Cooperation and Issues of Concern	SEP	2019
46.	Uttam Kumar Bhui	UV-visible and Fluorescence Spectroscopic Study of Solvent-extracts of Coal: Macromolecular Investigation based on Polycyclic Aromatic Hydrocarbons.	SEP	2019
47.	Alok Jain	Improvement of the Dynamic Performance of an Islanded DC Microgrid Using Optimized Virtual Inertia	OCT	2019
48.	Alok Jain	Optimal Scheduling of an Islanded Microgrid with Complex Impedances Considering Load Demand and Renewable Power Uncertainties	OCT	2019
49.	Anirbid B Sircar	Recent Advancement in Geothermal Energy (Key Note)	OCT	2019
50.	Ashish Prabhudas Unnarkat	Catalytic dehydration of Methanol to DME	OCT	2019
51.	Harmik D Vaishnav	The Communion of Silence, Self and Others	OCT	2019
52.	Lubhani Mishra	Natural and forced convection in Bingham plastic fluids from two differentially heated cylinders in a square duct	OCT	2019
53.	Neelam Singha	Applications of fractional calculus to obtain the	OCT	2019



		Fekete-Szegő inequality for some new subclasses of univalent analytic functions		
54.	Niyati Chirag Trivedi	Minority Performs The Majority: Exploring Linguistic Construction of Self as Represented in the Self-Narrative of Master Fida Hussain	OCT	2019
55.	Pallabi Saikia	Investigating Stacked Ensemble Model for Oil Reservoir Characterisation	OCT	2019
56.	Rajib Bandyopadhyay	Copper Impregnated Microporous and Mesoporous Materials for Solvent-free Selective Oxidation of Toluene	OCT	2019
57.	Reema R. Patel	A Survey of Cryptographic Techniques to Secure Genomic Data	OCT	2019
58.	Sanjay Kumar Pradhan	The Gandhian Legacy and its present-day implications for the Indian Community in South Africa	OCT	2019
59.	Sudhir Yadav	Influences of TPM and TQM Practices on Performance of Engineering Products and Components Manufactures	OCT	2019
60.	Urmi Satyan Dave	Workplace Spirituality	OCT	2019
61.	Vima Mali	2019_oct_PDPU	OCT	2019
62.	Vima Mali	2019_Oct_Hands-on training on Solar Study Lamp Assembly	OCT	2019
63.	Vinay Vakharia	Appliances Energy Prediction Using Random Forest Classifier	OCT	2019
64.	Vinay Vakharia	Fault Diagnosis of Ball Bearing Using Hilbert Huang Transform and LASSO Feature Ranking Technique	OCT	2019
65.	Abhishek Kumar	Improving quartz micro-machining performance by magnetohydrodynamic and zinc-coated assisted traveling wire-electrochemical discharge machining process	NOV	2019
66.	Amrita Chakraborty	Effectiveness of Public Persuasion through the Tweets Made by Digital India Initiative among Netizens	NOV	2019
67.	Anirban Dey	Elucidating the effect of addition of 1-(2-aminoethyl) piperazine as an activator on the CO <sub>2</sub> solubility of aqueous N-methyldiethanolamine	NOV	2019
68.	Ashish Prabhudas Unnarkat	Ethylbenzene Oxidation Using Cobalt Oxide Supported Over SBA-15 and KIT-6	NOV	2019
69.	Bharti Saini Verma	Effective Treatment of Oily Wastewater Using Polymeric Ultrafiltration Membrane Modified with Cross-Linked Copolymer	NOV	2019

70.	Dhruvesh P Patel	Preparation of Tier-3 Emergency Action Plan (EAP) for Indian Dams using 1D/2D coupled Hydrodynamic modeling- A case of Ukia Dam, Surat, Gujarat, India	NOV	2019
71.	Jwngsar Brahma	Hybrid Model to Predict Pore Pressure and Design of Safe & Economical Well from Seismic Velocity at the Top of Baramura Anticline, Tripura, India: A New Approach	NOV	2019
72.	Mohendra Roy	A smart telemedicine device for auto diagnosis of pathological disorders in human blood	NOV	2019
73.	Nirav P Patel	Bending analysis of a symmetric laminated composite plate containing a polygonal shaped cut-out	NOV	2019
74.	Pankaj Sahlot	Development of a numerical model to predict tool wear and worn-out pin profile during friction stir welding of CuCrZr alloy	NOV	2019
75.	Reema R. Patel	Python: The most advanced programming language for Computer Science Applications	NOV	2019
76.	Ritu Sharma	Coping Strategies to overcome Academic Stress (Invited Speaker)	NOV	2019
77.	Samir B. Patel	Comparative Analysis of Artificial Neural Network and XGBoost Algorithm for PolSAR Image Classification	NOV	2019
78.	Samir B. Patel	Land Cover Classification Using Ensemble Techniques	NOV	2019
79.	Subhankar Roy	A study of non-coalescence of aqueous droplets suspended in castor oil under electric field	NOV	2019
80.	Sukanta Kumar Dash	Elucidating the effect of addition of 1-(2-aminoethyl) piperazine as an activator on the CO <sub>2</sub> solubility of aqueous N-methyldiethanoamine	NOV	2019
81.	Swapnil A Dharaskar	Butyl Triphenylphosphonium Bromide as an Effective Solvent for Ultrasound Assisted Oxidative Desulfurization Process	NOV	2019
82.	Swapnil A Dharaskar	Removal of arsenic using iron oxide amended with rice husk nanoparticles from aqueous solution	NOV	2019
83.	Urmi Satyan Dave	Proverbs: The Carriers of Ancient Wisdom with Timeless Pertinence	NOV	2019
84.	Vima Mali	2019 Nov Electric Vehicle Technology: Powertrain Architecture Design, Components and its Applications	NOV	2019
85.	Vima Mali	2019NovWokshop organised in PDPU	NOV	2019

86.	Vivek Jayantkumar Pandya	Butterworth Filter Based Control Strategy for Improved Dynamic Performance of Multiconverter UPQC	NOV	2019
87.	Abhishek Kumar	Micro-Machining Characteristics of Quartz Using Travelling Wire-Electrochemical Discharge Machining (TW-ECDM) Process	DEC	2019
88.	Anirban Dey	Experimental and theoretical investigation on the efficient CO <sub>2</sub> removal using aqueous 1-(2-aminoethyl) piperazine	DEC	2019
89.	Ankur Solanki	Charge transport in perovskite based electronic devices.	DEC	2019
90.	Bharti Saini Verma	Enhancement in antifouling property and surface roughness of PVDF ultrafiltration membrane using amphiphilic copolymer for o/w emulsion treatment	DEC	2019
91.	Brajesh Kumar Jha	Numerical Solution of Diffusion Equation Arising in Calcium Signaling Process: A Fractional Calculus Approach	DEC	2019
92.	Debasis Sarkar	Development and Application of Risk Adjusted Exponentially Weighted Moving Average Control Charts for Quality Monitoring of Ready Mixed Concrete	DEC	2019
93.	Divi Sriram	Capacity Development Among the Employees and Their Role in Service Delivery: An Empirical Study from Afghanistan	DEC	2019
94.	Ganga Prasad Pandey	Prediction of the resonant frequency of square patch microstrip antenna with DGS using Machine Learning	DEC	2019
95.	Ganga Prasad Pandey	A Novel wideband 5G Antenna with Truncated Ground	DEC	2019
96.	Ganga Prasad Pandey	Predicting Resonant frequency of Annular ring Compact microstrip antenna using various Machine Learning Techniques	DEC	2019
97.	Kumar Srivastava Anurag	National Highways Authority of India: A Study on constraints of Public Private Partnerships in Highways in the cluster Public-Private Partnerships	DEC	2019
98.	Kush P Mehta	Ultra-thin friction stir welding on Aluminium alloy	DEC	2019
99.	Kush P Mehta	Overview on friction based joint of aluminium and stainless steel	DEC	2019
100.	Kush P Mehta	Copper welding: Challenges and future scope.,	DEC	2019
101.	Leena Santosh	Impact of Growing Share of Renewable Energy Sources on Locational Marginal Prices	DEC	2019

102.	Mazad Shaheer Zaveri	Transmission Gate and Hybrid CMOS Full Adder Characterization and Power-Delay Product Estimation Based on Mathematical Model	DEC	2019
103.	Md. Sharifuddin Ansari	A Comparative study on spectral based methods for boundary layer flow problems	DEC	2019
104.	Meera Karamta	Dynamic state estimation for multi-machine power system using WLS and EKF: A comparative study	DEC	2019
105.	Nausheen Nizami	Demand-Supply Skill gap in the Information Technology and Analytics Industry	DEC	2019
106.	Neeta Sinha	Does the satisfaction levels of employees in different departments vary? An analysis of oil companies	DEC	2019
107.	Neeta Sinha	Are extrovert employees able to handle stress better? An empirical study among the emergency service workers in Gujarat	DEC	2019
108.	Pallabi Saikia	Seismic Signal Interpretation for Reservoir Facies Classification	DEC	2019
109.	Pallabi Saikia	Reservoir Facies Classification using Convolutional Neural Networks	DEC	2019
110.	Poonam Prakash Mishra	Optimal Production Integrated Inventory Model With Quadratic Demand For Deteriorating Items Under Inflation Using Genetic Algorithm	DEC	2019
111.	Prahlad Kumar Baruah	Laser Induced Cavitation Bubble Dynamics from Twin Breakdown Sites	DEC	2019
112.	Prahlad Kumar Baruah	Shadowgraphic Imaging of Cavitation Bubble Dynamics in Pulsed Laser Ablation of a Solid in Liquid	DEC	2019
113.	Pramod Damodar Paliwal	Keynote Speech	DEC	2019
114.	Pramod Damodar Paliwal	Contemporary Strategic Contours of Global Oil & Gas Value Chain	DEC	2019
115.	Pravin Kodgire	A Review on Recent Development In Chloride Removal Technologies	DEC	2019
116.	Pravin Kodgire	Oxidation of Carbon Monoxide on supported Vanadium pentoxide catalyst	DEC	2019
117.	Rajib Bandyopadhyay	Metal Loaded Porous Materials for Selective Oxidation Reaction	DEC	2019
118.	Ravi Kant	Estimator based control of optimal growth of instabilities in Jeffery-Hamel flow	DEC	2019
119.	Ravi Kant	Non-modal stability analysis of the flow in a	DEC	2019

		porous channel		
120.	S. Venkata Krishnan	Multi-Objective Floating System - A Way for Indian Ocean Coastal Governance	DEC	2019
121.	Santosh Kumar Bharti	An Improved Approach for Sarcasm Detection Avoiding Null Tweets	DEC	2019
122.	Sheetal Rawat	Studies on Pulse Shape Discrimination and Efficiency of GGAG:Ce Scintillators	DEC	2019
123.	Sheetal Rawat	A compact thermal neutron detector based on Gd <sub>3</sub> Ga <sub>3</sub> Al <sub>2</sub> O <sub>12</sub> :Ce,B single crystal scintillator and silicon photosensors	DEC	2019
124.	Simran Jeet Singh	Free vibration analysis of sandwich plate with honeycomb core and FGM face sheets	DEC	2019
125.	Simran Jeet Singh	Effect of Foundation on Free Vibration of Tapered Functionally Graded Material Plate	DEC	2019
126.	Sukanta Kumar Dash, Phd,FIE	Experimental and theoretical investigation on the efficient CO <sub>2</sub> removal using aqueous 1-(2-aminoethyl) piperazine	DEC	2019
127.	Swapnil A Dharaskar	Reactive Separations:- Fundamentals through modelling and simulations	DEC	2019
128.	Sweta Chetananand Balchandani	Simulation study of separation of Acetic Acid-Water system for Pharmaceutical Applications	DEC	2019
129.	Urmi Satyan Dave	Cultural Identity in the Selectdiasporic Literature	DEC	2019
130.	Vishvesh Jayantbhai Badheka	Effect of Multi Pass Friction Stir Processing on Elevated Temperature Wear Behaviour of Aluminium 6061 Alloy	DEC	2019
131.	Vishvesh Jayantbhai Badheka	Elevated Temperature Wear Behaviour of Aluminium 6061 Alloy	DEC	2019
132.	Vishvesh Jayantbhai Badheka	Analysis of the influence of Electro Discharge Machine parameters and electrode material on material removal rate and surface roughness of pure nickel	DEC	2019
133.	Vishvesh Jayantbhai Badheka	Superplasticity: Recent Approaches and Trends	DEC	2019
134.	Vishvesh Jayantbhai Badheka	Friction Stir Processing (FSP): An innovative alternate for fabricating Aluminium Surface Composites	DEC	2019
135.	Vivek Kumar	Elastohydrostatic Lubrication of Control Flow Valve Compensated Thrust Bearing	DEC	2019
136.	Vivek Kumar	Performance of textured surface hybrid thrust pad bearing considering micro-roughness	DEC	2019
137.	Anirban Das	Heavy metals in Soil and in Vegetation due to sewage-farming around Ahmedabad city of	JAN	2020

		Gujarat		
138.	Anirban Das	Anthropogenic impacts on quality of groundwater collected from Kanpur city, Uttar Pradesh, India	JAN	2020
139.	Namrata Bist Rawat	Hybrid Solar & Geothermal setup for exploitation of low enthalpy geothermal reservoirs	JAN	2020
140.	Pradeep Kumar Mallik	Mudrit madhyam ke liye lekhan (Writing for Print Medium)	JAN	2020
141.	Praghresh Bhatt	An Innovative Fault Context Identification Algorithm for High Speed Distance Protection	JAN	2020
142.	Praghresh Bhatt	An Innovative Fault Context Identification Algorithm for High Speed Distance Protection	JAN	2020
143.	Pramod Damodar Paliwal	A Study of Quality of Service Parameters of Natural Gas Companies	JAN	2020
144.	Satish Chandra Pandey	The Role of Talent Management in Indian Pharmaceuticals: A Thematic Analysis.	JAN	2020
145.	Satish Chandra Pandey	Social Capital and Employee Engagement: Implications across different generations at the workplace	JAN	2020
146.	Somdeb Lahiri	Choice Procedures for Uncertain Prospects incorporating loss aversion	JAN	2020
147.	Uttam Kumar Bhui	Interaction Mechanism between Crude Oils and Surfactant Solutions: Implications for Designing Injection Fluids during Enhanced Oil Recovery from Crude Oil Reservoirs	JAN	2020
148.	Vishvesh Jayantbhai Badheka	Evolution of Wear behavior of Al6061-B4C surface composites with normal load and sliding speed	JAN	2020
149.	Abhishek Kumar Gupta	Process Simulations Studies of Optimization For separation of Mono-chlorobenzene From Crude Chlorobenzene Using Heat Integrated Distillation Column	FEB	2020
150.	Anilkumar Trikambhai Markana	Robotic grasp synthesis using deep learning approaches: A survey	FEB	2020
151.	Anirban Dey	Investigation of Equilibrium CO <sub>2</sub> solubility in aqueous blends of N-methyldiethanolamine (MDEA) and 2-Amino-2-methyl-1-propanol (AMP) with N-(3-aminopropyl)-1,3-propanediamine (APDA) for post combustion CO <sub>2</sub> capture	FEB	2020
152.	Bharti Saini Verma	Improvement in antifouling property and performance of polysulfone ultrafiltration membrane using functionalized polymers	FEB	2020

		poly(acrylic acid), poly(N-acryloylmorpholine) and poly(Acrylic acid-co- N-acryloylmorpholine)		
153.	Bhasha Harshal Vachharajani	Studying the pattern of sea ice area in Hudson Bay	FEB	2020
154.	Bhinal Bakulbhai Mehta	Enhance the Performance of Grid Connected Microgrid with Solar Uncertainties by Optimal Sizing of Battery Energy Storage	FEB	2020
155.	Chandra Shekhar Nishad	Non-primitive boundary element technique for modelling flow through composite porous channel	FEB	2020
156.	Dishant M. Pandya	A Stable Relativistic Model for Strange Star SAXJ 1808.4-3658	FEB	2020
157.	Kaushal Kishore	Emerging Trends (Sharing Economy) in Emerging Market (India): Opportunities and Challenges ahead of Start-ups	FEB	2020
158.	Kishan Ashok Fuse	Optimization of steering performance of all-terrain vehicle in terms of turning radius by using Taguchi method and regression approach	FEB	2020
159.	Kishan Ashok Fuse	Optimizing the Design of Brake Disc Using Multi-criteria Decision-making Method AHP-TOPSIS for All-terrain Vehicle	FEB	2020
160.	Kush P Mehta	Procedure to develop the defect free joint for thick copper plate using HW GTAW	FEB	2020
161.	Kush P Mehta	Application of hybrid friction stir channeling to Cu-AA5083: metallurgical characterization.	FEB	2020
162.	Manoj Sahni	Analysis of Creep Stresses in Thin Rotating Disc composed of Piezoelectric Material	FEB	2020
163.	Manoj Sahni	Solving ordinary differential equation using Sumudu transform method in Intuitionistic Fuzzy environment	FEB	2020
164.	Neelam Singha	Analysing the dynamics of a fractional-order cancer model	FEB	2020
165.	Pankaj Sahlot	Thermal Modeling of Laser Powder-Based Additive Manufacturing Process	FEB	2020
166.	Poonam Prakash Mishra	Optimal ordering policies for retailer under two part and two echelon trade credit	FEB	2020
167.	Ramesh Kumar Guduru	Micro/Nano Fabrication	FEB	2020
168.	Ramesh Kumar Guduru	Scope, Opportunities And Challenges Of Nanoscience And Nanotechnology In 21st Century	FEB	2020



169.	Ramesh Kumar Guduru	How to Publish High Impact Article	FEB	2020
170.	Rohit Srivastava	Modeling the Influence of Different Rainfall Scenarios over Heterogeneous Regions using Regional Climate Model	FEB	2020
171.	Rohit Srivastava	Study of smog formation over Northern states of India	FEB	2020
172.	Rohit Srivastava	A comparative study of aerosol optical properties over southern and eastern regions of India	FEB	2020
173.	Rohit Srivastava	A study on effect of deforestation on varying rainfall pattern over Gujarat region	FEB	2020
174.	Santosh Kumar Bharti	Dynamic SentiPhraseNet to support Sentiment Analysis in Telugu	FEB	2020
175.	Shobhit Nigam	Performance Evaluation of Mobile-Shelf Based Order Pick System	FEB	2020
176.	Sudhir Yadav	Small E & P Operators Need to Develop Risk Analytics Engine and Maintain Risk Registers to Avert Financial Shock in Oil and Gas Business	FEB	2020
177.	Sudhir Yadav	Artificial Intelligence and Machine Learning in Oil and Gas Sector	FEB	2020
178.	Sudhir Yadav	Energy Management – Technology, Tools, Strategies and Applications for Sustainability	FEB	2020
179.	Sudhir Yadav	An Empirical Examination of Manufacturing improvement Practices on Performance of Indian Manufacturing Firms	FEB	2020
180.	Sukanta Kumar Dash	Investigation of Equilibrium CO <sub>2</sub> solubility in aqueous blends of N-methyldiethanolamine (MDEA) and 2-Amino-2-methyl-1-propanol (AMP) with N-(3-aminopropyl)-1,3-propanediamine (APDA) for post combustion CO <sub>2</sub> capture	FEB	2020
181.	Sukanta Kumar Dash	Technological options for clean energy production: Advances in CO <sub>2</sub> capture & utilization	FEB	2020
182.	Swapnil A Dharaskar	IPR Workshop	FEB	2020
183.	Swapnil A Dharaskar	Rice husk derived silica Nano doped on calcium peroxide for fluoride removal from ground water	FEB	2020
184.	Urmi Satyan Dave	Nature and Literature	FEB	2020
185.	Vima Mali	2020 Feb Navrachana University	FEB	2020
186.	Vivek Jayantkumar Pandya	A Qualitative Study on Evolution of Electric Vehicles in India	FEB	2020

187.	Alok Jain	Performance Analysis of D-STATCOM using Space Vector Modulation for Voltage Sag/Swell Mitigation	MAR	2020
188.	Ashish B Joshi	Employee Happiness : A Need for organizational sustainability	MAR	2020
189.	Ashish B Joshi	The Study of Online Food Ordering Industry	MAR	2020
190.	Ashvin R Dave	Employees Happiness: A need for Organisational Sustainability with Special Reference to MSMEs in Gujarat State	MAR	2020
191.	Ashvin R Dave	The Study of Online Food Ordering Industry	MAR	2020
192.	Rajesh Shriramsa Gujar	Smart Maintenance and Management of Roads through Implementation of Output and Performance-Based Road Contract (OPRC) System: A Case Study of Gujarat Region	MAR	2020
193.	Rajesh Shriramsa Gujar	Development of educational Infrastructure assessment framework Case Study of Ahmedabad sub-urban Region	MAR	2020
194.	Rajesh Shriramsa Gujar	Smart System Reliability Evaluation and Its Application for Transportation Infrastructures with Fault Tree Analysis A Review	MAR	2020
195.	Swapnil A Dharaskar	Fluoride Removal from Contaminated Ground Water Using Calcium Peroxide	MAR	2020
196.	Swapnil A Dharaskar	EPR Spectroscopy and its Applications	MAR	2020
197.	Tejas Niranjana Dave	Employees Happiness - A need for Organisational Sustainability with Special Reference to MSMEs in Gujarat State	MAR	2020
198.	Tejas Niranjana Dave	The Study of Online food ordering Industry	MAR	2020
199.	Vima Mali	2020 May Education 4.0- session II	MAY	2020

## FACULTY RECOGNITION

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- Prof. Sudhir Yadav received invite as Member "International Scientific Committee of 18th Global Conference on Sustainable Manufacturing" Berlin, Germany to be organized by GCSM, Technische Universität Berlin IWF and Fraunhofer IPK Pascalstr, March 2020.
- Prof. Kaushal Kishore
  - i) Invited to become the Life Time Member of Indian Institute of Public Administration (IIPA), New Delhi.
  - ii) Invited as a Panelist in a session at the 'Policy Dialogue on Energy & Climate Change' organized by Integrated Research and Action for Development (IRADe), New Delhi, on 28th November, 2019.
  - iii) Invited as a resource person at the 55th Refresher Course organised by University Grant Commission (UGC), New Delhi on November 14, 2019.
  - iv) Invited as a Session Chair during the seminar organised by Department of Business Management, Sardar Patel University, Gujarat on January 18, 2020.
- Dr. Swapnil Dharaskar
  - i) Invited as "Visiting Research Scientist" under Indo-Finnish Bilateral Scheme by Department of Science and Technology, India and Academy of Finland
  - ii) Working as Editor for Book on "Emerging Carbon Capture Technologies: Towards a Sustainable Future" by Science and Technology, Elsevier.
  - iii) Invited as Judge and chaired the session the chaired in 12th International Engineering Research Conference (EURECA) organized by Department of Chemical Engineering, Taylors University, Malaysia during 3 - 4 July 2019
  - iv) Recognized as Top 50 International Distinguished Young Researchers and received Green ThinkerZ Award, May 2020.
  - v) Received Best Paper Award for oral presentation entitled on "Rice Husk Derived Silica Nano Doped On Calcium Peroxide For Fluoride Removal From Ground Water" by Parwathi Pillai, Swapnil Dharaskar, in International Conference on Desalination and Water treatment (INDACON-2020) organized by Indus University during 13th to 15th Feb 2020.
- Dr. Swapnil Dharaskar (PI) and Dr. Manish Kumar Sinha (Co-PI) received 28.5 LAKH grant from Department of Science and Technology – Govt. of India under Carbon Capture Mission-Innovation Scheme.
- Dr. S K Dash (PI) and Dr Anirban Dey (Co-PI) received 62.7 LAKH as research grant from Department of Biotechnology – Govt. of India under Carbon Capture Missio-Innovation Scheme.
- Dr. Lubhani Mishra was awarded the "Postdoctoral Research Fellowship" by Texas A & M University, Texas, USA in 2019.

- Dr. Pravin Kodgire
  - i) Filed a patent on “An improved composition and process for preparation of biodiesel” on 18.9.2020 Patent file no: 202021006776A.
  - ii) Filed a patent on “A process for preparation of biodiesel” on 18.9.2020 Patent file no: 202021004406A.
  - iii) Filed a patent on “An Improved Process for Preparation of Biodiesel” on 18.9.2020 Patent file no: 202021018720A.
  
- Dr. Dadi Suriapparao
  - i) Collaborative work with IIT Madras has published in Indian express on the topic of ‘IIT Madras researchers produce bio-oil from agriculture waste.
  - ii) Filed a patent on “Heat shield” on 18.08.2020 in collaboration with Dr. Ramesh Kumar Guduru. Patent file no: 202021035518.
  
- Dr. B. Rajasekhar Reddy
  - i) Awarded the “Institute Research Award - 2019” in recognition of the exemplary research work done during Ph.D. at IIT Madras.
  - ii) Awarded the "Postdoctoral Research Fellowship" by Purdue University, USA in 2019.
  
- Dr. Anirban Dey Best Paper Award for oral presentation 4th International Conference on Sustainable Energy and Environmental Challenges during 27-29th November 2019.
  
- Dr Kalisadhan Mukherjee got ‘Young Achiever Award’ in ‘International Business and Academic Excellence Awards (IBAE-2019)’ GISR Foundation, Noida, India Sep.2019.
  
- Dr. Tapan Pal got Best Oral Presentation award, Organising committee at UTU Bardoli, Nov. 2019.
  
- Dr. Anurag Kandya
  - i) Invited by Gujarat Cleaner production center on 5th February for the selection committee for selecting the applicants for training on cleaner production assessor.
  - ii) Chaired as resource person for "Ph.D. Course work" Scheduled for 10th to 17th November 2019 by GNLU.
  - iii) Represented school of Technology, PDPU in higher education fair2019 organised by Shreyas Foundation during 19-20 October 2020.
  - iv) Represented school of Technology, PDPU in higher education fair2019 organised by Shreyas Foundation during 19-20 October 2020.
  
- Dr. Bivina GR Sessioned the chair at 5th Conference of Transportation research group by CTRG India on 21st December 2019.
  
- Dr. Niragi Dave was invited as technical advisory committee member in "one day technical seminar sponsored by Suyog Elements India Pvt. Ltd." on 06th March 2020.

- Dr. Debasis Sarkar Chaired the session
  - i) 52nd Annual Convention of ORSI International Conference on 18th December 2019.
  - ii) At International Conference in Energy and Infrastructure Management, SPM, PDPU on 27th-28th February 2020.
- Dr. Tejas Thaker chaired a session on Seismic Hazard and disaster mitigation at IGC-2019 at SVNIT.
- Prof. Nishant Doshi received best paper award for “Analysis of Efficient and Privacy-Preserving Metering Protocols for Smart Grid Systems”, 11th International.
- Dr. Anilkumar Markana
  - i) Reviewer of international conference INDICON 2020 conference held at Marwadi University, Rajkot, Gujarat, 13-15 Dec 2019.
  - ii) Received Honor Code Certificate for mentoring Hands-on training on solar study Lamp Assembly, from learning initiative of IIT Bombay, Dec 2019.
  - iii) Associate NCC Officer, PDPU, nominated and detailed as Associate NCC officer during Combined Annual Training Camp (CATC- IX) from 20 Sept 2019 to 29 Sept 2019 at NCC HQ Law Garden Ahmedabad.
  - iv) Appointed as a visiting faculty at National Institute of Fashion Technology (NIFT) Gandhinagar from Aug 2019 to Dec 2019 to teach a course on System Thinking in M.Tech. program.
  - v) Reviewer of Indian Control Conference, ICC 2020, IIT Hyderabad, Jan 2020.
  - vi) Received felicitation certificate from Member of Parliament, Shri Dhaduk for contributing excellence in teaching at Lunivav, Gondal, Rajkot, Jan 2020.
- Dr. Amit Vilas Sant received Best paper award in the 1st International conference on emerging trends in information technology and engineering 2020 (ic-ETITE'20), Vellore, India, July 2020.
- Prof. V S K V Harish
  - i) Received Best Paper award at the IEEE-2nd International Conference on "Power Energy, Environment and Intelligent Control", GLBITM, Greater Noida, October 2019.
  - ii) Received Best Paper award at the Springer International Conference on "Innovative Technologies in Mechanical Engineering (ITME -2019)", KIET Ghaziabad, October 2019.
- Dr. Ganga Prasad Pandey designated as Vice president of IEEE MTT-s/AP-S Joint chapter Gujarat section.
- Dr. Jigarkumar Shah elevated to senior IEEE member in February 2020.

- Dr. Abhishek Kumar
  - i) Reviewed Paper for International Conference on Recent Advancement in Mechanical Infrastructure (ICRAM -2019) organised by IITRAM during 20-21st April, 2019.
  - ii) Reviewed paper, entitled “Rapidly refining SiC particle through multiple-size ball-milling: Process and mechanism, Journal of Materials Research and Technology, Elsevier publication.
  - iii) Reviewed paper for, entitled “Amorphous ytterbium hexaboride nanoparticles for ethanol vapour sensing”, Journal of Industrial and Engineering Chemistry, Elsevier publication.
  
- Dr. M. B. Kiran
  - i) Reviewer for IETE Journal of Research, Taylor and Francis.
  - ii) M.Tech and Ph.D. Thesis Reviewer for Visvesvaraya Technological University, Karnataka, INDIA.
  - iii) Reviewer for 'Nirma University Journal of Business and Management Studies' Visvesvaraya Technological University, Karnataka, INDIA.
  - iv) Reviewer for The 6th International Conference on Industrial Engineering and applications, (ICIEA 2019),Tokyo, Japan Organizing committee- The 6th International Conference on Industrial Engineering and applications, (ICIEA 2019),Tokyo, Japan.
  - v) Certified Project Manager -Project management professional Project Management, Pennsylvania, U.S.A.
  
- Dr. Jwangs Brahma recieved young scientist award-2019 by Ministry of Earth Science in IISF-19 Kolkata.
  
- Dr. Kush Mehta received Young Welding Engineer Male Award 2019 at WeldFabTech Times held, September 2019.
  
- Dr. Vivek V. Patel received Top Peer Reviewer 2019 Global Peer Review Awards in the area of Materials Science and Cross-field by Web of Science, September 2019.
  
- Dr. Simran Jeet Singh received Best Paper award at 43rd National Systems Conference on Innovative and Emerging Trends in Engineering Systems (NSC 2019), December 2019.
  
- Dr. Vivek Kumar received Second Best paper award in the category of Oral Short presentation at 10th International Conference on Industrial Tribology (ICIT-2019), December 2019.

- Prof. Vishvesh Badheka
  - i) Received Venus Wires Award - 2019 for the best Technical paper on Stainless Steel Applications at 5th International Congress, 2020 (IC-2020) held at Mumbai, February 2020.
  - ii) Received CHARUSAT Research paper award 2018 on 28th January 2020 for the paper entitled \_‘Effect of Various Welding Parameters on Corrosion Behavior of Friction-Stir-Welded AA 7075-T651 Alloys‘; published in Metallography, Microstructure, and Analysis 7 (3), 308-32, 2018.
  
- Dr. Rohit Srivastava delivered oral paper presentation at AMN 2020 JPIIT Noida on 12/02/2020.
  
- Dr. Indrajit Mukhopadhyay received Best Paper award at the Rathinam Technical Campus -2nd International Conference on "Recent trends in Engineering and Scientific Technology", titled of paper "Performance and Technical analysis of solar Powered E-Rickshaw using flexible PV Module " OSIET, Chennai on 21st March 2020.
  
- Dr Pradeep Mallik, received the “Best Research Paper Award”, at the National Media Conclave for his paper titled “Using Social Media for Empowering Women: A Case of Sensitizing Men to Menstruation”. This was during the Fourth All Indian Media Conference (International), hosted by Mohanlal Sukhadia University, Udaipur, from September 27-29, 2019.
  
- Dr Amrita Chakraborty received the “Best Research Paper Award”, at the National Media Conclave for his paper titled “Identification of Public sentiment over comments through Tweets by Digital India Over period from November 21, 2016 to November 20, 2017”. This was during the Fourth All Indian Media Conference (International), hosted by Mohanlal Sukhadia University, Udaipur, from September 27-29, 2019.
  
- Dr Supriya Pal received Best paper award in “6th National Conference on Business and Management, 2019 for her paper titled “Work life Balance of millennial dual career couples and its impact on Organizational culture on explorative society in textile sector of Gujarat” on 25th February 2019.



## OFFICE OF RESEARCH AND SPONSORED PROGRAMS

The Office of Research and Sponsored Programs (ORSP) acts as a platform at the University for the Research & Development activities. It coordinates the specific procedures or techniques used to identify, select, process, and analyze information about a topic or project. This office supports the researchers to critically evaluate a study's overall validity and reliability in terms of investigation, Research and Development. It encourages and promotes the students of PDPU and guides them the research methodology and supports them with internally funded grants. It coordinates and harmonizes externally funded grants and suggests the research cum administrative information on grant compliance for the effective execution of research by faculties.

It also acts as a nodal point to assist faculties to obtain and administer externally funded sponsored projects, research grants and contracts. It also administers Student Research Programs and supports students with the grant funded by the University. It provides assistance in the preparation and submission of proposals, management of grants and contracts for effective promulgation of Sponsoring agency/National/International terms of agreement, MoUs and Laws.

On behalf of University, ORSP formulates policies and procedures in relation to research and sponsored programs to be used as source of information and the procedures to be meticulously followed.

Functional Area (Macro Level)	Functional Area (Micro Level)
<ul style="list-style-type: none"><li>▪ Research Coordination &amp; Collaboration</li><li>▪ Networking, Interfacing &amp; Liaison</li><li>▪ Student Platform (Primarily Undergraduate)</li><li>▪ Incubation</li><li>▪ Maintaining Research Records by faculties and Students</li><li>▪ Strategic Action Plan to conduct research.</li><li>▪ Providing administrative/policy supports to the existing Centre of Excellences and development/approval of new Centre of Excellences.</li></ul>	<ul style="list-style-type: none"><li>▪ Research Management Support</li><li>▪ Finance and Accounting Guidance &amp; Support</li><li>▪ Administrative, Technical &amp; Legal Support</li><li>▪ Patent Filing Support</li><li>▪ International travel support for R&amp;D activities (Non –financial)</li><li>▪ Devising methodology to obtain qualitative research tools.</li></ul>

### Recognition under 35(1)(ii) of Income Tax Act, SIRO recognition and Concessional GST rate

- The University is approved by the Government of India, Ministry of Finance, Department of Revenue (Central Board of Direct Taxes) as Scientific Research Institution for claiming exemption under section 35(1)(ii) of Income Tax Act on the donations/ grants received for scientific research activities done by its faculty members and students.

All the donors who will contribute for the purpose of Scientific Research Activities at PDPU will be eligible for a deduction of the amount equal to one and three-fourth times (175%) of the donation/grant received in PDPU for undertaking Scientific Research under

section 35(1) (ii) of Income Tax Act 1961 read with rule 5(C) & 5(E) of Income Tax Act 1962.

- ii) The University is also recognized as Scientific & Industrial Research Organization (SIRO) by Department of Scientific & Industrial Research, Ministry of Science & Technology, Government of India since 2011. On receiving this approval PDPU is entitled to avail the custom/ excise duty exemption on the import of equipment, instruments, spares, consumables etc.
- iii) The 23rd GST Council Meeting made an announcement for concessional GST rate of 5% for certain goods purchased for Scientific & Industrial Research Organization in exercise of the powers conferred by sub-section (1) of section 6 of the Integrated Goods and Services Tax Act, 2017 (13 of 2017) vide Department of Revenue, Ministry of finance, Government of India Notification No. 45/2017-Central Tax (Rate) and Notification No. 47/2017-Integrated Tax (Rate) dated 14th November 2017 published under subsection (i) of section (3) of Part II of Extraordinary Gazette of India.

## RESEARCH PROJECTS

### Ongoing Research Projects

Sr. No.	Principal Investigator	Project	Sponsored by	Duration	Total cost of Project (Rs.)
1.	Dr. Bhasha Vachharajani	Spatio-Temporal analysis of Sea Ice Condition and Icebergs over the Polar Regions using ScatSat Data	Indian Space Research Organization	03 Years 06 Months	1260000.00
2.	Dr. Manish chaturvedi	Advance Urban Public Transportation System	Science and Engineering Research Board	03 Years 04 Months	2165730.00
3.	Dr. Manoj Pandey( Co-PI)	A novel nanoparticle based bioassay for sensitive detection of cancer specific proteases	Science and Engineering Research Board	04 Years 02 Months	2507560.00
4.	Dr. Anirban Das	Tracking Chromium (VI) migration in groundwater using stable isotopes of chromium	Science and Engineering Research Board	03 Years 09 months	3858200.00
5.	Dr. Samir Patel	Land Cover Classification of Polarimetric SAR Image/Data for Agricultural and Urban Region	Indian Space Research Organization	03 Years 04 Months	1392000.00
6.	Ms. Nibedita Pani	Treatment of ammoniacal nitrogen from industrial wastewater in a combine electrochemical and biological process	Department of Science & Technology	03 Years	1790000.00
7.	Dr. Indrajit Mukhopadhyay	Graphene protected Si Nano-spheres for developing high energy density Li ion battery	Department of Science & Technology	02 Years 05 Months	4400000.00
8.	Dr. Anurag Kandya	Moving Towards Hygienized Organic Manure Using Gamma Radiation	Board of Research in Nuclear Sciences	03 Years	3095750.00
9.	Dr. Rohit Srivastava	Study of heterogeneous precipitation pattern with the help of aerosol - cloud properties : Focus on western India and Arabian Sea	Science and Engineering Research Board	03 Years	2066600.00
10.	Dr. Rohit Srivastava	Development of Economically efficient favourable nanostructure as electrocatalysts for hydrogen production: A step towards energy applications.	Pandit Deendayal Petroleum University	02 Years	1000000.00
11.	Dr. Anurag Mudgal	Low Cost Renewable Energy Driven Water Treatment Solution Centre	Department of Science & Technology	05 Years	53013286.00

12.	Dr. Ranjan Kumar Pati	Nanostructured Electrolyte Materials for Low Temperature Solid Oxide Fuel Cell (LT-SOFC)	Science and Engineering Research Board	03 Years	2994310.00
13.	Dr. Ashish Joshi	Employees Happiness and Well-being at workplace in MSMEs in Gujarat State	Indian Council of Social Science Research	02 Years	1050000.00
14.	Dr. Anurag Mudgal	bio-mimetic and phyto-techNologiesDesiGned for lowcost purificAtion and recycling of water (India - H <sub>2</sub> O)	Department of Science & Technology + Department of Bio Technology	04 Years 06 Months	50727000.00
15.	Dr. Anurag Kandya	Urban Air Quality Assessment using Remote Sensing and GIS	Indian Space Research Organization	02 Years	3200000.00
16.	Dr. Manoj Pandey( Co-PI)	Water Innovation Centre : Technology, Research & Education (WICTRE)	Department of Science & Technology	05 Years	4187600.00
17.	Dr. Bhawanisingh Desai	Global biodiversity, Evolution and Biogeographical Connections of Belemnites from the Southern and Northern Hemispheres around Early / Late Cretaceous Boundary	Department of Science & Technology	02 Years	1994400.00
18.	Dr. Abhijit Ray	Development Of Novel Two Dimensional Materials and their Nano-Carbon Composites as Efficient Photo- And Electro-Catalysts for Hydrogen Generation from Water	Science and Engineering Research Board	03 Years	3798953.00
19.	Dr. Indrajit Mukhopadhyay	Mechanism of Phase Formation during Electrochemical Deposition of Si from Ionic Liquid Bath	Science and Engineering Research Board	03 Years	4930992.00
20.	Dr. Dhruvesh Patel	Flood Damage Assessment of Dhanera City of Banaskantha District Using Geo-Spatial Techniques and Hydrodynamic Flood Inundation Modeling	Indian Space Research Organization	03 Years	3759000.00
21.	Dr. Kalisadhan Mukherjee	Towards the Development of facilities for Studying the (a) Volatile organic Sensing Characteristics of Chemiresistive samples and (b) defluorination performances of chemically modified ceramic adsorbents	Pandit Deendayal Petroleum University	02 Years	1000000.00

22.	Dr Achinta Bera	Application of Ionic liquids as Alternatives for Surfactant for Enhanced Oil recovery	Pandit Deendayal Petroleum University	01 Year 06 Months	1000000.00
23.	Dr. Anantha Singh	Integrated Electro-Oxidation and nelectrocoagulation process for the degradation of ammonical nitrogen in presence and absence of carbon based pollutants	Science and Engineering Research Board	03 Years	3155910.00
24.	Dr Pankaj Kumar Yadav	Mechanochemical Approach for Perovskite Solar Cells : A Way towards efficient Stable and low cost solar cells	Science and Engineering Research Board	03 Years	3663704.00
25.	Dr Nausheen Nizami	Analysing Impact of Automation on Employment: Assessment and Policy for IT-BPM Sector	Indian Council of Social Science Research	01 Year 06 Months	450000.00
26.	Dr. Anirban Das	Sulphuric acid mediated weathering in the Ganga, Yamuna and the Brahmaputra (GYB) River Basins : Constraints from Sulfur and Oxygen Isotopes in dissolved Sulphate	Ministry of Earth Sciences	03 Years	4112120.00
27.	Dr Pankaj Yadav	Mechanosynthesis of Stable and Efficient 2D Perovskite Solar Cells	Department of Science & Technology	03 Years	5353690.00
28.	Dr. Rohit Srivastava (SPT)	Fabrication of Nature Inspired - nanohybrid as Electrocatalyst for Water Splitting and CO <sub>2</sub> Reduction	Science and Engineering Research Board	02 Years	3030688.00
29.	Dr Swapnil Dharaskar	Structure, Interaction and Process for Energy Efficient CO <sub>2</sub> Separations using Novel Ionic Liquid supported Membranes	Department of Science & Technology	03 Years	2801832.00
30.	Dr Ankur Solanki	Hybrid Mixed Dimensional Perovskite Memristor on Flexible Substrate for Non-Volatile Memory Application	Pandit Deendayal Petroleum University	02 Year	1000000.00
31.	Dr Busupalli Balanagulu	Salt induced Dissipation of Energy in Synthetic Cells as a Power Source	Pandit Deendayal Petroleum University	02 Years	1000000.00
32.	Dr Asutosh Muduli	Occupational Health and Safety in the Healthcare Industry of Gujarat	Indian Council of Social Science Research	01 Years	400000.00
33.	Dr. Ramesh K Guduru	Development of Nanomaterials for Energy Storage Applications	Pandit Deendayal Petroleum University	02 Years	1000000.00

34.	Dr Mohendra Roy	A smart telemedicine facility for auto characterization of pathological disorders	Pandit Deendayal Petroleum University	02 Years	1000000.00
35.	Dr Sukanta Kumar Dash	Integrated Design and Demonstration of Intensified CO <sub>2</sub> Capture with Cost Effective Advanced Process. (INDIA CO <sub>2</sub> )	Department of Biotechnology	03 Years	6277122.00
36.	Dr Narayan Baser	Multidimensional Assessment of Rural Transformation in Selected Districts of Gujarat	Indian Council of Social Science Research	02 Years	1050000.00
37.	Dr Uttam Kumar Bhui	Investigation of Sorption Properties of Natural Shale Rock samples for Metal Ions of Nuclear Importance Under Different Experimental Conditions	Board of Research in Nuclear Sciences	03 Years	3342600.00
38.	Dr Akash Patel	A Study on Socio-Economic Impacts of Pradhan Mantri Ujjwala Yojana	Indian Council of Social Science Research	01 Year	483,000.00
39.	Dr. Kush Mehta	Development of dissimilar friction welding joint of higher pipe size for AI-SS and Cu-SS materials	Board of Research in Nuclear Sciences	02 Years	2495650.00
40.	Dr. Vishvesh Badheka	Development of full penetration CuOF to CuOF welding by GTAW for plate to pipe connection	Board of Research in Nuclear Sciences	02 Years	3050900.00
Total					198858597.00

### Research Projects completed

Sr.	Principal Investigator	Project	Sponsored	Duration	Total cost of Project (Rs.)
1.	Dr. Pradeep Kumar Malik	Signs and Symbols in Political Communication with Special Reference to Prime Minister Narendra Modi's Campaign During the Lok Sabha Election in 2015	Indian Council of Social Science Research	02 Years 08 Months	262500.00
2.	Dr. Abhijit Ray	Development of Metallic Nanowire Transparent Conducting Electrodes on Glass and Flexible Substrates	Department of Science & Technology	03 Years 09 Months	5912600.00

3.	Dr. Anurag Mudgal	Solar Powered High Recovery Desalination (SPHRD) to provide clean water	Department of Science & Technology	04 Years 05 Months	6273200.00
4.	Dr. Balamurali	Spatially and temporally resolved measurements of plasma rotation, ion temperature and impurity transport study using spectroscopic diagnostic on ADITYA -U and SST-1 tokamak	Board of Research in Nuclear Sciences	04 Years 05 Months	2960824.00
5.	Dr. Surendra Singh Kachhwaha	Assessment of wind and wave energy along Indian coastal region using space-based microwave radars	Indian Space Research Organization	02 Years 09 Months	1600000.00
6.	Dr. Poonam Mishra	Sea Ice route optimization for safer ship navigation	Space Application Centre	02 Years	480000.00
7.	Dr. Anirbid Sircar	Reservoir Modelling and Simulation of Camby Shale coupled with geo-mechanics and Hydro-fracturing	Oil Industry Development Board	01 Year	1500000.00
8.	Dr. Manish chaturvedi	Advance Urban Public Transportation System	Science and Engineering Research Board	03 Years 01 Months	2165730.00
9.	Dr. Anurag Kandya	Urban Air Quality Assessment Using Remote Sensing And GIS	Indian Space Research Organization	02 Years	1024952.00
10.	Dr. Vishvesh Badheka	Study of Metallurgical Feasibility of Friction Stir Weld of Wing Panel to the Wing Stringer Aircraft Applicatios	Defense Research Development Organization	02 Years	448100.00
11.	Dr. Ritu Sharma	Recuritment discrimination against older workers in India: The case of accounting assistants	Edith Cowan University	01 Years	157125.00
12.	Dr Neeta Sinha	An Exploratory Study on Employability of Transgenders in Gujarat	Indian Council of Social Science Research	01 Year	750000.00
Total					23535031.00



**Ph. D. Completed**

<b>Sr. No.</b>	<b>Name</b>	<b>Roll No.</b>	<b>Title of Thesis</b>
1.	Saheli Sanyal	15RPE002	Clay Minerals in Hydrocarbon Reservoir rocks and their Interactions with Crude Oils and Brines: Its implications for Enhanced Oil Recovery
2.	Kshama G. V.	12Phd03	Portrayal of Metro cities Mumbai & Delhi in Contemporary Indian English Fiction
3.	Kriti Yadav	15RPE003	Exploration of Geothermal Heat Sources in Gujarat, India
4.	Rutvik Gandhe	20102001	Role of Psycho-Social Factors in Determining Energy Conservation Behaviour
5.	Shaikh Azharuddin Sarfuddin	15RMA004	Study of Integrated Inventory Problems with Different Promotional Tools
6.	Gohel Jishnu Rajeshbhai	15RCE006	Statistical Process Control and Route Optimization of Ready Mixed Concrete
7.	Jain Akshay Omprakash	14RCL03P	Vertical accuracy assessment of satellite-derived 30m DEMs using DGPS survey and comparative morphometric analysis: A case of Lower Tapi Basin
8.	Riddhi Yogeshbhai Thakkar	15RSC006	Vapor Phase Organic Reactions over Modified Zeolites
9.	Joshi Gaurang Rajendraprasad	13RME004	Developments of friction stir welding process for dissimilar copper - stainless steel joints
10.	Manvinder Singh	14RCL05P	Project Risk Management for Ahmedabad and Bangalore Elevated Metro Corridor Projects
11.	Nawab Maaz Mohammedzuber	13RSC002	Synthesis, Modification and Application of Porous Materials in Catalytic Oxidation of Toluene
12.	Goswami Subhrangsu	15PHD07	Challenges in Municipal Solid Waste Management: Case of Waste Collection & Transportation in Ahmedabad
13.	Purohit Zeel Prafullchandra	15RSC009	Performance evaluation of c-Si and CIGS solar cells subjected to potential induced degradation (PID)
14.	Chandra Kanth P	12RSC002	Synthesis and Application of Novel Catalysts and Functional Materials
15.	Patel Jessica Suresh	15RSC004	Development and Application of Novel Fluoranthene Derivative in Organic Photovoltaics
16.	Sunayan Bhattacharjee	16PHD01	A Critical Analysis of David Lynch's Surrealist Movies
17.	Anal Anand Sheth	13RCL003	Development & Management of Sustainable Transport Model for Ahmedabad
18.	Dhiren Ramanbhai Patel	14RME04P	Surface Texture Inspection of Machined Surfaces in Computer Integrated Manufacturing
19.	Shilpa Ajay Parasrampur	14PHD02	India-Russia Industrial Relations, 1991-2018

## INNOVATION AND INCUBATION CENTRE

PDPU Innovation & Incubation Centre (PDPU-IIC) is an incubator established by Pandit Deendayal Petroleum University (PDPU) in 2014 and legally formed as section 8 company in 2017, with an aim to transform the brimming energy and potential of young students, budding innovators, entrepreneurs and technocrats to innovation-driven business ventures leading to a technical renaissance.

It is recognized as **Nodal Institute** by Govt. of Gujarat and **Technology Business Incubator**” by the Department of Science and Technology, Government of India. The centreis support under **Student Start-up and Innovation Policy (SSIP)** by Education Dept. of Govt. of Gujarat and **Assistance to Startup Innovation Scheme by Industries Commissionerate (IC)**, Govt. of Guj. Till date, the Centre has incubated 100+ start-ups, and has raised INR 6+ Crore of funds to support start-ups.

### Achievements of PDPU IIC:

1. Awarded under ‘**Best Customer Engagement**’ category at Vibrant Start-up & Technology Summit 2019
2. PDPU-IIC is recognized as the “**Incubation Centre of the Year with Prominent IP Culture**” by Intellectual Property Protection Organization (IPPO) in IP Fest for 3 years in a row in 2017, 2018 & 2019.
3. **Special Jury Recognition** awarded to PDPU and PDPU-IIC for creating an innovation ecosystem to promote creativity, Innovation, Dedication, and Commitment by Gujarat Innovation Society
4. PDPU has been awarded as the “**Best Performing Private University**” under the Private University category at the SSIP Annual International Conference on Student innovation, start-up and Ecosystem-2019 organized by the Education Department, Govt. of Gujarat.
5. Sensitized **12000+** students about Entrepreneurship and Innovation
6. **1500+** incubation applications received till date
7. Filed **50+** IPR



- Conducted Certificate Course Program - **Governance & Leadership**. This has helped the students to appear in Civil Services Examination, Service Selection Board, Central Armed Police Forces examination and Combined Defense Services examination.

### Results:

1. Two students qualified in the Civil Services Exam and secured AIR: 140 & AIR: 538 (CSE – 2019)
  - i) Akarshi Jain (AIR: 140)  
UPSC Roll No.: 0116370  
CCE Roll No.: CCEA170146
  - ii) Barot Hiren Jitendrabhai (AIR: 538)  
UPSC Roll No.: 0101232  
CCE Roll No.: 2014-15/59
2. Three students qualified for Civil Services personality test (Mains - 2019)
  - i) Barot Hiren Jitendrabhai  
UPSC Roll No.: 0101232  
CCE Roll No.: 2014-15/59
  - ii) Vasu Jain  
UPSC Roll No.: 0831633  
CCE Roll No.: 18CCE108
  - iii) Akarshi Jain  
UPSC Roll No.: 0116370  
CCE Roll No.: CCEA170146
3. Four students qualified for Civil Services Exam (Prelims – 2019)
  - i) Barot Hiren Jitendrabhai  
UPSC Roll No.: 0101232  
CCE Roll No.: 2014-15/59
  - ii) Vasu Jain  
UPSC Roll No.: 0831633  
CCE Roll No.: 18CCE108
  - iii) Akarshi Jain  
UPSC Roll No.: 0116370  
CCE Roll No.: CCEA170146
  - iv) Pranay  
CCE Roll No.: 2014-15/34
4. One student recommended for Indian Navy through CDS (I)-2019  
Achal D Joshi  
CDS Roll No.: 100478  
CCE Roll No.: 19CCE014

5. One Candidate qualified CDS Mains 2020

Jayduttsinh Sarvaiya

CDS Roll No.: 0101714

CCE Roll No.: 20CCE009

**Subjects being taught:**

- ✓ Indian Polity
- ✓ Indian Society
- ✓ Indian Economy & Macro Economic
- ✓ Science & Technology developments in India
- ✓ Geography with special reference to India
- ✓ Indian History (Including the impacts of World History)
- ✓ India's Art & Culture
- ✓ Environment & Sustainability with special reference to India
- ✓ Indian Foreign Policy
- ✓ Leadership, English & Aptitude for Administration

▪ One Day Civil Services Exam Workshop & A Book Review

School of Liberal Studies and Centre for Continuing Education, of the University have organised a one day workshop on Preparation and Answer Writing for UPSC Exam on October 22, 2019. The workshop was organised by Dr. S.Venkata Krishnan, Dr. Prashanta C Panda and Dr. Anurag Srivastava.

The resource person for the workshop is Mr. Ganesa Subramanian, Director Ganesh's IAS Academy, Chennai.

Prof (Dr.) Shantakumar, Director, Gujarat National Law University, was the Chief Guest of the afternoon event.

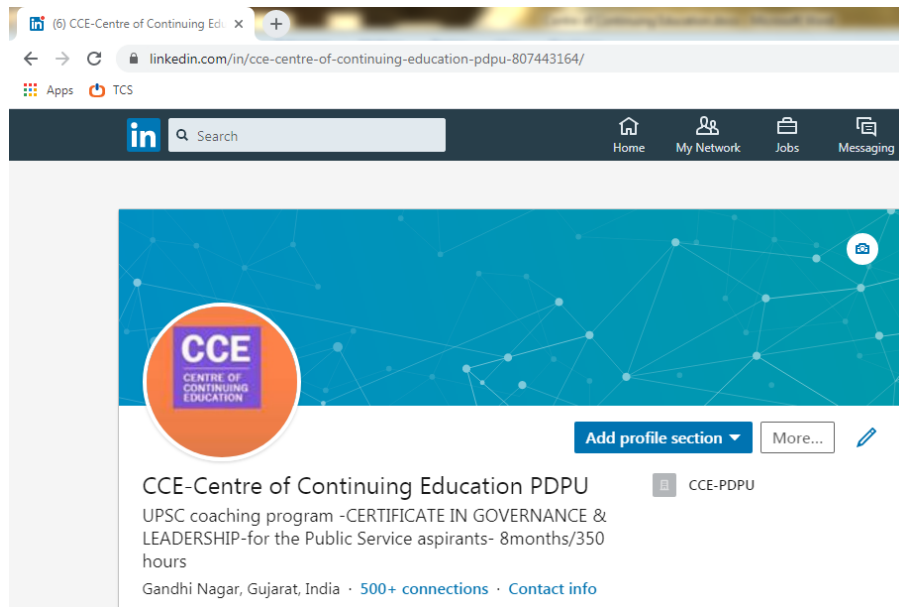
Guest was felicitated by Director, SLS at this event.



## ▪ Social Media Activities

- ✓ Sharing information about:
- ✓ Examination
- ✓ Study Materials
- ✓ Job/Vacancies
- ✓ Internships
- ✓ Seminars and Conferences

LinkedIn: <https://www.linkedin.com/in/cce-centre-of-continuing-education-pdpu-807443164/>



Word Press: <https://cceptdpu.wordpress.com/>



## TRAINING

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Sr. No	Program	No. of Nominated Officials	Dates
1	Faculty Induction Program	33	15th July to 21st July, 2019
2	Intellectual Property Rights Workshop	68	7th September, 2019
3	Staff Development Program on 'Team Building & Leadership'	28	20th & 21st September, 2019
4	Intellectual Property Rights Workshop	31	16th November, 2019
5	Awareness Session on 'Web of Science'	137	23rd November, 2019
6	Staff Development Program on 'Empower Yourself'	25	28th February to 1st March, 2020



## EXPERTS' LECTURES

Sr. No.	Name of Department	Name of Expert	Designation & Organization	Topic	Date	Audience
1.	ICT	Mohendra Roy	Assistant Professor, PDPU	Speaker - TEQIP-III, Jorhat Institute of Science and Technology, Jorhat, Assam	11/7/2020	B. Tech. Students
2.	ICT	Mazad Zaveri	Associate Professor, PDPU	Invited Speaker - Systems Thinking for Engineers (At the Faculty Induction Program of PDPU)	17/7/2019	New recruited Faculty
3.	Civil Engg.	Dr. Parth Bhavsar	Research Professor, Rowan University	Intelligent Transport System	1/8/2019	B. Tech. Students
4.	Physics	Dr Arvind Singh	Scientis-F SAC, ISRO	ISRO: Indian Space Research Organisation Missions	1/8/2019	B. Sc. Students
5.	Physics	Dr. Ravinder Singh	ISRO	Quest of an indian Man about Space science	1/8/2019	300 University student
6.	Petroleum Engg.	Dr. Sudarshan (Raj) Mehta	Professor, Department of Chemistry and Petroleum Engineering, University of Calgary	Thermal EOR in India	21/8/2019	B. Tech. Students
7.	Chemical Engg.	Prof. Kaushik Nath	Head of Chemical Department, GCET	Revisiting the basic and applied aspects of Membrane separation in chemical and allied industries	23/08/2019	B. Tech. Students
8.	ICT	Paawan Sharma	Assistant Professor, PDPU	Trainer- CEAT Limited, Vadodara	23/8/2019	Testing Team, R & D, CEAT Limited
9.	Chemical Engg.	Mr Huang Zhengyao,	Technical Officer, TOB Energy, China	Lithium- Ion Battery Pack: Single Cell Testing, Pack Testing and Beyond	26/8/2019	B. Sc. Students



10.	Chemical Engg.	Mr. Huang Zhengyao	TOB Energy, China	Lithium ion Battery	26/8/2019	All
11.	Solar Energy	Mr. Huang Zhengyao	Engineer, TOB, China	Lithium- Ion Battery pack: Single testing, Pack testing and beyond	26/08/2019	B. Tech., M. Tech. Students & Faculty Members
12.	DNST	Dr. H. L. Dhaduk	Associate Professor, Anand Agriculture University, Anand	Radiation and Radioisotope Applications in Agriculture	6/9/2019	M. Tech. Students
13.	Petroleum Engg.	Mr. Shantnu Brajesh	Reserve Oil	Training program on Kappa Engineering	5th & 6th September 2019	B. Tech. Students
14.	DNST	Dr. B.S Tomer	Professor, HBNI, Mumbai	Radiation and Radioisotope Applications	6 <sup>th</sup> to 9 <sup>th</sup> September 2019	M. Tech. Students
15.	Physics	Dr. Rajender Joshi	RI India	Raman Spectroscopy	12 <sup>th</sup> to 13 <sup>th</sup> September 2019	More than 100 participant
16.	Petroleum Engg.	Mr. Aniruddh Sahasrabudhhe	Head - Oil and Gas Global Consulting Practice at L&T Infotech (LTI)	Digitalization in Oil and Gas Industry (SPE)	13/9/2019	B. Tech. Students
17.	Civil Engg.	Mr. Dipesh Adepu	Senior Engineer, SNC Lavalin, Mumbai	Exploring Petroleum/offshore Industry with Civil Engineering Perspective	16/9/2019	B. Tech. Students
18.	Chemical Engg.	Dr. Biswajit Ganguly	Sr. Principle Scientist, CSMCRI	Computational Exploration from molecular systems to Solid Surfaces for different applications	16/9/2019	B. Tech. Students
19.	DNST	Dr CVS Rao	Scientific Officer, IPR, Gandhinagar	Plasma Technology	18/9/2019	M. Tech. Students
20.	Petroleum Engg.	Dr. Kameshwar Singh	NTNU Norway	Training program on CMG (Computer Modelling Group) Software	5 Sessions in September and October 2019 6 days (x 2 Hours)	B. Tech. Students
21.	Electrical Engg.	Dr. Prakash Kotecha	Associate Professor, IIT Guwahati	Computer-Aided Applied Optimization	10/10/2020	B. Tech. Students

22.	Mechanical Engg.	Dr. J Krishnan	Ex-Scientist, BARC	Latest research and applications of Electron Beam Welding	10/10/2019	B. Tech. Students
23.	Mechanical Engg.	Dr Antonello	University of Naple, 'Federico-II', Italy	Overview on powder based additive manufacturing processes	11/10/2019	B. Tech. Students
24.	Solar Energy	Prof. A.K.Sukla,	IISC, Bangalore	Batteries for Sustainable World	14/10/2019	B. Tech., M. Tech. Students & Faculty Members
25.	Solar Energy	Dr. Amitabha Das,	Director, CSMCRI, Bhavnagar	Nanostructured Materials and Nano-Carriers: Implications in Cell Imaging and Stimuli Responsive Drug Delivery	14/10/2019	B. Tech., M. Tech. Students & Faculty Members
26.	ICT	Mr. Sanjeev Kulshreshtha	Scientist E, SAC ISRO	Expert talk on Antenna for Satellite communication	16/10/2019	B. Tech. Students
27.	Electrical Engg.	Mr. Darshan Patel	Founder : Leaftronix Analogic Solutions Private	Hardware implementation of DC-DC converter and other power electronic application in the field of renewable energy system	18/10/2019	B. Tech. Students
28.	Petroleum Engg.	Miss Vibhuti Bhargav	SIAM Pvt. Ltd	Artificial Lift. (SPE)	20/10/2019	B. Tech. Students
29.	Solar Energy	Mr. Dhairya Shah	Shenzhen K-star New Energy Co. Ltd.	E Mobility & EV Charging Infra	23/10/2019	B. Tech., M. Tech. Students & Faculty Members
30.	Physics	Biological Instruments	Indian Head	electrochmeical characterisation of optoelectronic devices	31/10/2019	50 students
31.	Civil Engg.	Dr. Anish Jantrania	Assosicate Professor, Texas, A&M	Water: Challenges & opportunities	6/11/2019	B. Tech. Students

32.	Mechanical Engg.	Ms. Khushboo Vaidya	Founder of Boarding Pass for Success, Canada under the ISNT-PDPU	Career Awareness Session"	7/11/2019	B. Tech. Students
33.	Petroleum Engg.	Shri. R.V. Marathe	Former Executive Director and Head IRS, ONGC	Advanced Reservoir Engineering	11/11/2019	B. Tech. Students
34.	Petroleum Engg.	Dr. R V Marate	Retd. ONGC	Advanced Reservoir Engineering course	11 <sup>th</sup> to 15 <sup>th</sup> November 2019	B. Tech. Students
35.	Petroleum Engg.	Shri. B. B. Ray	Chief Basement Exploration & Ex. GGM, ONGC	Basement Mapping	14/11/2019	B. Tech. Students
36.	Chemical Engg.	Dr. Narayan Pradhan	Professor, IACS Kolkata	Perovskite Nanocrystals	14/11/2019	All
37.	Solar Energy	Prof. Narayan Pradhan	IACS-Kolkatta	Pervoskite Nanocrystals: The Upcoming Light Emitting and Light Harvesting Material	14/11/2019	B. Tech., M. Tech. Students & Faculty Members
38.	Solar Energy	Prof. Prabhakar Singh	IIT-Varanasi	Photovoltaics and Pervoskite Halides Soalr cell Technology	14/11/2019	B. Tech., M. Tech. Students & Faculty Members
39.	Mechanical Engg.	Mr. Ravikumar Varma	Scientist Engineer SE, Space Application Centre, ISRO, Ahmedabad	Use of NDT techniques in Indian Space Program	19/11/2019	B. Tech. Students
40.	Electrical Engg.	Mr. Brajesh Sharma	General Engineering consultant (Power supply) to Gujarat Metro Rail Corporation at RITES Ltd.	Electric drives, DC/AC Traction power and SCADA system	20/11/2020	B. Tech. Students
41.	Electrical Engg.	Sh. BB Mehta	Chief Engineer (SLDC) and Gujarat-PS in-charge	Functioning of Gujarat Grid - The Challenges, System Operation & control, Remedial Measures & Way Forward	20/11/2020	B. Tech. Students
42.	Petroleum Engg.	Mr. Indarjeet Singh Gill	Manager (Reservoir), SST, ONGC Ahmedabad Asset	Well Test Interpretation	20/11/2019	B. Tech. Students

43.	Civil Engg.	Ms. Bruna	Intern, Portugal	Basic Understanding of Revit	22/11/2019	B. Tech. Students
44.	Mechanical Engg.	Mr. Gaurav Patel	Project Associate, GERMI	Design of Air Handling Unit for Air Condition-ing System	22/11/2019	B. Tech. Students
45.	Physics	Dr. Aurel Gabris	Researcher, Czech Technical University	Quantum Computing: Are we there yet?	22/11/2019	B. Tech. & M. Tech. Students
46.	Petroleum Engg.	Ms. Shreya Singh	Petro-Technical Engineer and University Relations Manager, Schlumberger	Reservoir Characterization: Utilizing Formation Testers and New Trends in the Industry (SPE)	27/11/2019	B. Tech. Students
47.	Civil Engg.	Prof. Ajit Desai	Retired Professor, CEPT University	Applications of MSP Project Management Software	27 <sup>th</sup> November to 4 <sup>th</sup> December 2019	B. Tech. & M. Tech. Students
48.	Mechanical Engg.	Mr. Ninad Jadhav	Project Engineer, ABB India Limited, Vadodara	Rankine cycle and design aspects of steam turbine	30/11/2019	B. Tech. Students
49.	Mechanical Engg.	Mr. Akash Shinde	Executive Engineer, Linde Engineering, Vadodara	Joule Thomson effect and its industry applications	30/11/2019	B. Tech. Students
50.	Electrical Engg.	Mr. Dhruvesh Mehta	Assistant Manager-Technology, T&R (India) Ltd.	Design Considerations for power and distribution Transformers	3/12/2019	B. Tech. Students
51.	Civil Engg.	Mr. Kaoustubh Tiwari	Sr. Engineer , WAPCOS Gandhinagar	Planning of Water Resources using Remote Sensing Techniques	5/12/2019	B. Tech. Students
52.	Industrial Engg.	Mr. Milap Shah,	Senior Manager, Kalpataru Power Trans. Ltd. Gandhinagar	Optimization tools used in KTPL	5/12/2019	B. Tech. Students
53.	Mechanical Engg.	Mr. Milap Shah	Sr. Manager at Kalpataru Power Trans. Ltd, Gandhinagar	Expert talk on Optimization Techniques	5/12/2019	B. Tech. Students

54.	Industrial Engg.	Mr.R.D.Chauhan	General Manager (Retd.) National thermal Power corporation, Ahmedabad	Benefits of Simulation in Thermal power plants	9/12/2019	B. Tech. Students
55.	Electrical Engg.	Mr Parag Joshi	Senior Engineering -PIER Engineering Solutions India Ltd.	Commissioning Test for Three phase transformer and induction motors.	10/12/2019	B. Tech. Students
56.	Civil Engg.	Mr Sapan Bose	Advisor + Senior Engineer	Different Foundations in Field and Basic Foundation Design	10/12/2019	B. Tech. Students
57.	DNST	Dr. S. Gautam	Scientist, BARC, Mumbai	Radiation and Radioisotopes application for Food Technology	11/12/2019 - 13/12/2019	M. Tech. Students
58.	Mechanical Engg.	Prof. Zhan Chen	Professor of Mechanical Engineering, AUT New zealand	Colaborative interaction and expert talk	18/12/2019	B. Tech. Students
59.	Mechanical Engg.	Mr. Viral Patel,	Manager- Maintenance & SAP-PM support, Piramal Glass Pvt. Ltd, Ksoamba Unit Dist. Surat, Gujarat	Expert talk on Role of SAP in plant maintenance	10/1/2020	B. Tech. Students
60.	Mechanical Engg.	Prof. Pradeep Kumar	IIT Mandi	Expert lecture in the research area of Radiative heat Transfer in Participating Medium and Interaction with Fluid Flow as per the following schedule at School of Technology, PDPU.	27/1/2020	B. Tech. Students
61.	ICT	Ganga Prasad Pandey	Assistant Professor, PDPU	TEQIP-III sponsored and IE(T) local chapter - two days workshop on Antenna	31 <sup>st</sup> January to 1 <sup>st</sup> February 2020	B. Tech., M. Tech. Students & Faculty Members

				Measurement Techniques AMT-2020		
62.	Computer Engg.	Dr. Kamlesh Vyas	(Partner at Deloitte - forensic)	Role of Technology (Focussing on Artificial Intelligence) and skills for successful career	3/2/2020	B. Tech. Students
63.	Petroleum Engg.	Mr. Samyak Jain	Sand Control Consultant at Dune Front	Maximizing Sand Control Reliability in Openhole Completions	3/2/2020	B. Tech. Students
64.	Industrial Engg.	Prof.K. Bhanu Sankara Rao	Pratt and Whitney Chair Professor, School of Engineering Sciences and Technology, University of Hyderabad, Central University	Friction stir welding of Ferritic - Martensitic Steels	7/2/2020	B. Tech. Students
65.	Mechanical Engg.	Dr. K. Bhanu Sankara Rao,	Pratt and Whitney Chair Professor,	School of Engineering and Technology University of Hyderabad	7/2/2020	B. Tech. Students
66.	Solar Energy	Dr. Bhargav	IIT RAM Ahmedabad	FET characterization of organic molecules	10/2/2020	B. Tech., M. Tech. Students & Faculty Members
67.	Petroleum Engg.	Mr. Arun Kumar Mishra	(Offshore Drilling and Production), Ex-Onshore Director, ONGC,)	Offshore Drilling Operation	10 <sup>th</sup> to 19 <sup>th</sup> February 2020	B. Tech. Students
68.	Civil Engg.	Mr. Ishantraj Chaudhari	Assistant Manager, TPF Engineering Pvt. Ltd.	Latest trends and design methods used in the infrastructure industry	11/2/2020	M. Tech. Students
69.	ICT	Mazad Zaveri	Associate Professor, PDPU	Guest Speaker - Logism Workshop (Under IEEE PDPU Student Chapter)	13/2/2020	B. Tech. Students

70.	Mechanical Engg.	Mr. Anand Bhatnagar	Vice President (HR), Reliance Industries Ltd	One day training program on Start Unknown Finish Unforgettable	15/2/2020	B. Tech. Students
71.	Mechanical Engg.	Mr. Akash Shinde	Executive Engineer, Linde Engineering, Vadodara	Guest Lecture on —Industrial applications for laws of thermodynamic s	15/2/ 2020	B. Tech. Students
72.	Chemical Engg.	Dr. Mahuya Bandyopadhyay	Assistant Professor, IITRAM, Ahemdabad	Modification of porous catalysts for industrial application	28/02/2020	B. Tech. Students
73.	Solar Energy	Prof. Vikram Kumar	Centre for Applied Research in Electronics (CARE), IIT Delhi	Recent Technological Innovation in Solar Photovoltaic Technology	16/03/2020	B. Tech., M. Tech. Students & Faculty Members
74.	Mechanical Engg.	Company Official	ZwickRoell	Typical steel testing applications for high capacity machines	27/3/2020	B. Tech. Students
75.	Mechanical Engg.	Company Official	Anton Paar India Pvt. Ltd.	Wear Resistance, Friction, and Lubrication In Industrial Applications	27/3/2020	B. Tech. Students
76.	Mechanical Engg.	Company Official	ASM	Metal Additive Manufacturing— 3D Printing: Technologies, Opportunities, and Materials Testing	26/3/2020	B. Tech. Students
77.	Petroleum Engg.	Mr. Ashville Fernandes	United Precision Drilling Company (UPDC) Kuwait, as Project Manager.	Project and asset lifecycle management, risk assessment, contract negotiations	22/4/2020	B. Tech. Students
78.	Petroleum Engg.	Mr. Krishnanunni C	Executive Engineer, ONGC	Drilling complications and well control	24/4/2020	B. Tech. Students
79.	Petroleum Engg.	Mr. Suvendu Mohapatra	Sr. Lead Engineer (Sr. GM) & Pipeline Operation (CBM), Reliance Industries Ltd.	Integrity Assessment in Natural Gas Pipeline	25/4/2020	B. Tech. Students



80.	Petroleum Engg.	Mr. Siddhartha Nahar	IPS Officer, Government of India	Civil Services and UPSC Preparation	27/4/2020	B. Tech. Students
81.	Mechanical Engg.	Mr. Paridh Nileshkumar Patel,	Lean Six Sigma Green Belt (ASCB(E) accredited) 3+ years in Sustainable Process Development	Alumni webinar on Overview of process flow development, control, optimization and improvement : Manufacturing point of view	27/4/2020	B. Tech. Students
82.	Petroleum Engg.	Mr. Jim Crompton	Professor at Colorado School of Mines.	Lecture series on Youtube on Digital Transformation of Oil and Gas Industry	28/4/2020	B. Tech. Students
83.	Petroleum Engg.	Mr. Mikhil Gandhi	Product Owner / Business Analyst, First Canadian Title	How to start a career when the odds are against you?	2/5/2020	B. Tech. Students
84.	Petroleum Engg.	Mr. Abhishek Dey	Operation & Planning Assistant Manager, Cairn Oil & Gas	Offshore projects: Concept to implementation	3/5/2020	B. Tech. Students
85.	Petroleum Engg.	Mr. Chanchal Chakrachhatri	Senior Product Manager, ICICI Bank Ltd.	Entrepreneurship and changing educational field	3/5/2020	B. Tech. Students
86.	Mechanical Engg.	Mr. Param Mehta	R&D Engineer at Maruti Suzuki India Ltd	Insights on Vehicle Performance Evaluation Done in the Automotive Industry”	5/5/2020	B. Tech. Students
87.	Petroleum Engg.	Mr. Nishant Upadhyay	Engineer-Project Management, Baker Hughes	Alumni interactive Q&A session	7/5/2020	B. Tech. Students
88.	Petroleum Engg.	Mr. Jinen Vora	Senior Manager Production   Head – Artificial Lift Division, Reliance Industries Limited	Production operations and artificial lift in CBM	10/5/2020	B. Tech. Students
89.	DNST	Dr. H.J Pant	Scientist, BARC, Mumbai	Radiation and Radioisotopes application in Industry	13 <sup>th</sup> to 17 <sup>th</sup> May 2020 Online	M. Tech. Students
90.	Solar Energy	Mr. A Rajagopala	National manager, Carl Zeiss India (Bangalore) Pvt.	Looking into nano/micro scale	17/05/2020	B. Tech., M. Tech. Students

			Ltd.			& Faculty Members
91.	Solar Energy	Mr. Kaustubh Khatavkar	Sales and Service In-charge, Sinsil Instruments Pvt. Ltd.	Focused on solar cell operation and testing	18/05/2020	B. Tech., M. Tech. Students & Faculty Members
92.	Solar Energy	Mr. Abhinav Shukla	Customer support specialist, Malvern Panalytical, a division Spectris Technologies Pvt Ltd	Operation of X-ray diffraction technique and its application into nanoscience.	19/05/2020	B. Tech., M. Tech. Students & Faculty Members
93.	Solar Energy	Dr. Mangesh Mahajan	Application support specialist, Malvern Panalytical, a division Spectris Technologies Pvt Ltd	Operation of X-ray diffraction technique and its application into nanoscience.	19/05/2020	B. Tech., M. Tech. Students & Faculty Members
94.	Solar Energy	Dr. Balasubramanian Karthick	Application and business development manager, Thermo Fisher Scientific India Pvt. Ltd.	Spectroscopy and elemental analysis instruments	20/05/2020	B. Tech., M. Tech. Students & Faculty Members
95.	Solar Energy	Mr. Sujay Patil	Assistant Product Manager, Metrohm India Pvt Limited.	Autolab system and its application in nano/bioscience	21/05/2020	B. Tech., M. Tech. Students & Faculty Members
96.	Solar Energy	Dr. Namrata Jain Negi	Application Scientist, HORIBA India Pvt. Ltd.	Breakthrough in Nanoparticle Tracking Analysis using ViewSizer3000 TM MANTA	22/05/2020	B. Tech., M. Tech. Students & Faculty Members
97.	Solar Energy	Dr. Shantanu Aggarwal	Application Scientist, Renishaw India Pvt. Ltd.	Exploring Micro-Raman instruments and its mapping analysis for biological and nanoscience application	22/05/2020	B. Tech., M. Tech. Students & Faculty Members
98.	Petroleum Engg.	Mr. Ankit Bansal	Graduate & Research Assistant, Texas A&M University	Introduction to open source Volve oilfield dataset	22/5/2020	B. Tech. Students
99.	Solar Energy	Mr. Ajit Singh and Mr. Jayant Dharma	Field Application Specialist, Perkin Elmer (India) Pvt. Ltd.	Nanomaterials with various spectroscopic techniques	23/05/2020	B. Tech., M. Tech. Students & Faculty

						Members
100.	DNST	Dr. Ashutosh dash	Head, Radiopharmaceuticals Division, BARC Mumbai	Radiation and Radioisotopes application in Medical	24 <sup>th</sup> to 25 <sup>th</sup> May 2020 Online	M. Tech. Students
101.	Petroleum Engg.	Mr. Deepali P Kumar	Executive Engineer (Reservoir), IRS, ONGC	Reservoir management and technology advancements	30/5/2020	B. Tech. Students
102.	Petroleum Engg.	Mr. Deep Shah	Dy Drilling Manager, AdaniWelspun Exploration Ltd.	Offshore drilling technology	31/5/2020	B. Tech. Students

## STUDENTS' ACHIEVEMENTS

1. Akash Raval, Raj Jaswani, and Jugal Soni, M.B.A students received 1st Rank in Elixir at NMIMS Hyderabad.
2. Parthvi Bhatt, M.B.A. student received 2nd Rank in Youth Icon 2020 at Marwadi University.
3. Harshil Ghatalia, Jayrudraraj Singh Rahevar, Parth Shah, and Meet Sheth, M.B.A. students received 1st Rank in Perspective Richter 10 at Nirma University.
4. Akash Raval, Akshay Solanki, Raj Jaswani, Aman Makkad, and Sneha Suman, M.B.A. student received 7th Rank in Edgistify Innovation Challenge at Edgistify.
5. Sweta Chauhan, Charat Singh Sandhu, and Navneet Shekhawat, M.B.A. student received 2nd Rank in Chanakya Niti-Nirvanha Annual Fest at NMIMS Hyderabad.
6. Rutvik Suthar, B. Tech. Petroleum Engg. student received the Certificate of Achievement of CO<sub>2</sub> Sequestration Using GEM from May 19-20, 2020.
7. Asir Vahora, B. Tech. Petroleum Engg. student received the Certificate of Achievement of SAGD Simulation Using STARS from May 27-28, 2020.
8. Het Vijay Kumar Patel, B. Tech. Petroleum Engg. student received the Certificate of Participation in International Student Exchange 2019 in Curtin University, Dubai.
9. Het Vijay Kumar Patel, B. Tech. Petroleum Engg. student received the Certificate of Appreciation in International Student Exchange 2019 in Curtin University, Dubai.
10. Vaidik Bipinbhai Patel, B. Tech. Petroleum Engg. student has completed in Career Edge Knowledge the Lockdown In TATA Consultancy Service.
11. Nayan Ghodara, B. Tech. Petroleum Engg. student 1st Position in Kho – Kho in Petrocup 2020.
12. Nandan Radadiya, B. Tech. Petroleum Engg. student has successfully completed in Covid – 19 Contact Tracing in Johns Hopkins University.
13. Tanzim Thobhani, B. Tech. Petroleum Engg. student received the Certificate of ICEIM 2020.
14. Yatri K Shah, B. Tech. Petroleum Engg. student received the 1st Rank in Online Quiz Competition on Occasion of Earth Day by Graphic Era University.
15. Pranay Narendra Patel, B. Tech. Petroleum Engg. student has successfully completed with honors in Social Psychology by wesleyan university.
16. Dixit Sabhani, B. Tech. Petroleum Engg. student secured 2nd position in Exploration & Unconventional Resource category of Techuminati (Paper Presentation Competition) organized by UPES SPE FEST 2020.
17. Het Patel B. Tech. Petroleum Engg. student certificate of Army Wing in NCC.
18. Mousumi Nandi, B. Tech. Petroleum Engg. student Certificate in participation in Petrobowl.
19. Ayush Kumar Patel, B. Tech. Petroleum Engg. student has completed the training in Basic of Covid – 19 in DIKSHA.
20. Subham Patel, B. Tech. Petroleum Engg. student secured 3RD Place in the online event “The Grid Factory – Chemistry Laboratories’ in Indian Institute of Chemical Engineers – VIT Vellore on 10th May, 2020.
21. Tanzim Thobhani, B. Tech. Petroleum Engg. student 1st Position in Cricket in Petrocup 2020.
22. Mohammadsaif Mansuri, B. Tech. Petroleum Engg. student received the Certificate of Achievement of SAGD Simulation Using STARS from May 27-28, 2020.
23. Vivek Panchal, B. Tech. Petroleum Engg. student received the Certificate of Introduction to Thermal EOR Modelling, May 13, 2020.

24. Pal Pandya, B. Tech. Petroleum Engg. student has completed in Career Edge Knowledge the Lockdown In TATA Consultancy Service.
25. Jainish Shingala, B. Tech. Petroleum Engg. student successfully completed 15 total hours of Lean Six Sigma Green Belt Online Course on May 26, 2020.
26. Sagar Patel, B. Tech. Petroleum Engg. student received the Certificate of Achievement of CO<sub>2</sub> Sequestration Using GEM from May 19-20, 2020.
27. Kaushal kumar Dudhat, B. Tech. Petroleum Engg. student received the Certificate of Achievement of CO<sub>2</sub> Sequestration Using GEM from May 19-20, 2020.
28. Lay Shah, B. Tech. Petroleum Engg. student received the Certificate of Achievement of CO<sub>2</sub> Sequestration Using GEM from May 19-20, 2020.
29. Lay Shah, B. Tech. Petroleum Engg. student received the Certificate of Achievement of SAGD Simulation Using STARS from May 27-28, 2020.
30. Samir Vaghasiya, B. Tech. Petroleum Engg. student has completed in Career Edge Knowledge the Lockdown In TATA Consultancy Service.
31. Samir Vaghasiya, B. Tech. Petroleum Engg. student received the Certificate of Achievement of CO<sub>2</sub> Sequestration Using GEM from May 19-20, 2020.
32. Samir Vaghasiya, B. Tech. Petroleum Engg. student received the Certificate of Introduction to Thermal EOR Modelling, May 13, 2020.
33. Samir Vaghasiya, B. Tech. Petroleum Engg. student received the Certificate of Achievement of SAGD Simulation Using STARS from May 27-28, 2020.
34. Kaushal Arvindbhai Dhanani, B. Tech. Petroleum Engg. student has successfully completed in Oil & Gas Industry operationals and Markets by Duke University.
35. Pandya Atharv Udaybhai, B. Tech. Petroleum Engg. student has successfully completed in programming for Everybody (Getting Started with Python) by University of Michigan.
36. Viralkumar Dasharathbhai Patel, B. Tech. Petroleum Engg. student has successfully completed in Oil and Gas Industry Operations and Markets in Duke University.
37. Tanzim Thobhani, B. Tech. Petroleum Engg. student has successfully participated in the Harvard US-India Initiative Conference 2020 held at Taj Mahal Palace, Mumbai from 3rd – 4th January in 2020.
38. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed in Excel Skills for Business Essentials by Macquarie University on 15th Feb, 2020.
39. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed in Excel Skills for Business Intermediate - 1 by Macquarie University on 21st Feb, 2020.
40. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed in Excel Skills for Business Intermediate - 2 by Macquarie University on 03rd March, 2020.
41. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed in Level 1 programme in IWCF on 13rd March, 2020.
42. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed Cash Course with Python in IBM on 26th April 2020.
43. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed Introduction to Data Analysis Using Excel in Rice on 05th August 2020.
44. Shani Mahendrabhai Suthar, B. Tech. Petroleum Engg. student has successfully completed Introduction to Basic Data Descriptors, Statistical Distributions and Application to Business Decisions in Rice on 11th May 2020.
45. Vaidik Patel, B. Tech. Petroleum Engg. student has completed in Career Edge Knowledge the Lockdown In TATA Consultancy Service.
46. Chemical Engg. Students showcased the membrane research project in International University Conclave 2019 to the Education Minister, Govt. of Gujarat.

47. Medhavi Pandya is selected for “Research Internship Awards 2019-20” at IIT Bombay with 10K Fellowship for CP. She will be working with Prof. Partha S. Goswami in Chemical Engineering Department for her Internship.
48. Avani Makhesana, Prachi Shah, presented and got Best Paper Award in S-Chemcon organized by Chemical Engineering Department, SRICT Ankleshwar, Gujarat, India during 17-18 october 2019.
49. Prachi Shah working under Prof. Bharti Saini received best poster presentation award in "Students Chemical Engineering Congress" during 17-18 October 2019 organized by Shroff S R Rotary Institute of Chemical Technology.
50. Arpit Patel, Dhwanil Vaghani, Raj Pindoria secured 2nd position in poster presentation CHEMTECH world expo 2019 under the guidance of Ms. Bharti Saini.
51. Dhwanil Vaghani, Arpit Patel and Raj Pindoria working under Ms. Bharti Saini, received Best Poster presentation award in “Students’ Chemical Engineering Congress (SCHEMCON-2019)” during 17-18 October 2019 organized by Shroff S R Rotary Institute of Chemical Technology.
52. Amit Vaghasia selected for 4th and final phase of the economic times campus star. He is one of the 281 candidates who are just one step away from making it to the India’s most coveted list of India’s brightest engineering students.
53. Parwathi Pillai (Ph.D. Scholar) received best paper award entitled on “Rice husk derived silica nano doped on calcium peroxide for fluoride removal from ground water”. Sustainable Technologies for Desalination & National Water Mission and Annual Congress of InDA, Indus India, Feb 13-15, 2020.
54. Abdelrahman Mostafa from Cairo University, Cairo Egypt worked as International intern at Chemical Engineering PDPU during period (July 2019 to January 2020)
55. Saloni Solanki won the 1st Runners up award at SOT GD competition (Clash of titans)
56. Vatsal Patel, B. Tech. Computer Engg. student received 2nd prize for poster presentation in ‘Human Centred Design’ theme at ‘Research Innovation and Incubation Showcase’ hosted by IIIT, Delhi.
57. Jay Subhashbhai Panchal, B. Tech. Electrical Engg. students Extreem Gym (Intra Tournament) 1st Position in 'C' Category
58. Hrithik N Sharma, B. Tech. Electrical Engg. students NPTEL Digital Circuits top 5% Secured 85% in the course and featured in top 5% at national level
59. Arun Maurya, B. Tech. Electrical Engg. students Virtuals Baja Saeindia 2019 AIR 9th
60. Rutvikumar Dave, B. Tech. Electrical Engg. students Project on Robotic Chess Playing Arm Grant Received from SAIL for making of Project Money as well as Technical Support is given to us(CRETUS) form SAIL
61. Vishesh Malviya, B. Tech. Electrical Engg. students received Solar ambassador workshop Certificate of participation
62. Jahanvi Ichchhapuriya, B. Tech. Electrical Engg. students received Pythone basics-bootcamps Recognition
63. Chudgar Anshul Sunil, B. Tech. Electrical Engg. students got 1st rank Interclub Aquatic Championship
64. Smriti Mangal, B. Tech. Electrical Engg. students got 1st rank in Titanium Jural Fest
65. Gaurang Sharma, B. Tech. Electrical Engg. students received Extreme gym inter college tournament 2nd position (category-C) weight lifting competetion
66. Trisha Parekh, B. Tech. Electrical Engg. students got 2nd in Titanium JURAL FEDT- GLS tournament 2nd- relay 4\*100
67. Shah Yash Keyurkumar, B. Tech. Electrical Engg. students got Cretus workshop Participation certificate



68. Utpal Yadav, B. Tech. Electrical Engg. students got Solar Ambassador award of Workshop
69. Nandan Vanara, B. Tech. Electrical Engg. students got 1st rank in Treasure Hunt
70. Dhruv Ribbonwala, B. Tech. Electrical Students got 1st prize in GLS Titanium cup
71. Dhruv Ribbonwala, B. Tech. Electrical Engg. students got 1st winning prize Intracollege Table Tennis cup
72. Thakor Rahulji Khumaji, B. Tech. Electrical Engg. students got Solar ambassador award
73. Utpal Yadav, B. Tech. Electrical Engg. students got Solar ambassador award
74. Rahul Maheshwari, B. Tech. Electrical Engg. students got Rotaract shuttlers 1st rank doubles badminton
75. Karan Trivedi, B. Tech. Electrical Engg. students got Titanium jural fest 1 position
76. Mili Mehta, B. Tech. ICT student got 2nd Rank in Shell Eco Marathon Competetion, India.
77. Parth Kamleshbhai Bagerwal, M. Tech. Thermal Engg. student received 1st price in Poster Presentation, a Social and Cultural committee's event at Institute of Civil Engineering, PDPU (ICE PDPU).
78. Team Sovereign, B. Tech. Mechanical Engg. & Electrical Engg. student were Winner (AIR1) for Design evaluation in E-Vehicle Cat-egory at ATVC 2020 in the national level competition Arravali Terrain Vehicle Championship (ATVC) at Infileague Motorsports at Pranjapol ground, Vadodara
79. IIW-PDPU Students Chapter, B. Tech. Mechanical Engg. student received Best Performing Students Chapter Award'' for the year 2019-2020 at IIW- Baroda Branch.
80. Team T203, B. Tech. Mechanical Engg. student were 1st Runner up in the "Let's Hack COVID - 19 Edition" at PDPU Gandhinagar.
81. Two DNST students Khanjan Joshi and Sumit Bainjwan were selected for Non-proliferation Workshop at Putrajaya, Malaysia from November 18-20, 2019. It was fully funded by CRDF Global, USA.
82. Mudra Chavda from DNST has selected for Workshop at London, UK from December 3 to 5, 2019. It was fully funded by CRDF Global, USA.
83. Chintan Patel, B. Tech. Mechanical Engg. selected for Integrated Ph.D. programme in Physics at TIFR, Mumbai
84. Kajal Shah received \$1000/- financial support from American Physical Society for participation in APS-DPP International conference at Fort Lauderdale, Florida.
85. Priyanshi Patel, 3rd year B.Sc. student presented oral presentation and submitted a paper in International conference (MMTCR2020) PDPU.
86. Shmna Trivedi, 4th year student presented oral presentation and published paper in national conference (RAMAN-2020) at Nirma University.



**PAPER PRESENTATIONS AT INTERNATIONAL/NATIONAL  
CONFERENCES BY STUDENTS**

<b>Sr. No.</b>	<b>Name</b>	<b>Conference/Seminar/ workshop</b>	<b>Date</b>	<b>Country</b>
1.	Saheli Das	London School of Economics Summer Programme for Introductory Microeconomics and Macroeconomics	17 <sup>th</sup> June 2019	United Kingdom
2.	Saumya Kulkarni, Priyal Amin	Summer School Program at EBS University	17 <sup>th</sup> June 2019	Germany
3.	Crystal Magotra	Global Symposium for HRM	21 <sup>st</sup> June 2019	United States
4.	Yashvi Italiya	International Conference on Education and Social Science	23 <sup>rd</sup> June 2019	United States
5.	Rahul Mehta	International Trends and Issues in Communication and Media Conference	3 <sup>rd</sup> July 2019	Czech Republic
6.	Kairav Parmar, Rutvik Ghiya	International Conference on Recent Advances in Manufacturing, SVNIT, Gujarat	3 <sup>rd</sup> -5 <sup>th</sup> July, 2019	India
7.	Achala Menon	16th European Congress of Psychology	5 <sup>th</sup> July 2019	Russia
8.	Chintan Patel	10th International Conference on Computing, Communication and Networking Technologies (ICCCNT)	6 <sup>th</sup> -8 <sup>th</sup> July, 2019	India
9.	Rutva Shah	2019 Paris International Academic Conference on Business and Economics	8 <sup>th</sup> July 2019	France
10.	Varad Chandibhamar	Paris International Conference on Business & Economics 2019	8 <sup>th</sup> July 2019	France
11.	Parvathy N	Elderly are they asset or Liability: A systematic review	10 <sup>th</sup> July 2019	Malayasia

		on policies for elderly in India		
12.	Bharat Garg	International Conference on Finance Bank & Economics	12 <sup>th</sup> July 2019	United States
13.	Jay Rakeshkumar Panwala	International conference on Research in Business, Management & Finance.	12 <sup>th</sup> July 2019	Netherlands
14.	Shivani Tushar Shah, Harshbharthi Kishanbharthi Goswami	ISER International Conference On Advance Research in Business Management, Economic Policy, Humanities & Social Sciences (ABMSS)	13 <sup>th</sup> July 2019	France
15.	Anushka Khambete	2019 Paris International Multidisciplinary Academic Conference	14 <sup>th</sup> July 2019	France
16.	Ryan Milan Mitra	Academic Oasis	14 <sup>th</sup> July 2019	France
17.	Shaily Sutaria	Applied research international conference on sustainability and development in business & technology	15 <sup>th</sup> July 2019	United Kingdom
18.	Jinisha Parekh, Jahanvi Parekh	Applied research international conference on sustainability and development in business and technology	15 <sup>th</sup> July 2019	United Kingdom
19.	Vishal Uttam Dhakane	International Conference on Biomarkers and Clinical Research	15 <sup>th</sup> -16 <sup>th</sup> July, 2019	Dubai, UAE
20.	Vatsal Vaghasia, Vaibhav Jain, Kishan Fuse, Anand Bhesdadiya	The third European International Conference on Industrial Engineering and Operations Management	23 <sup>rd</sup> -26 <sup>th</sup> July, 2019	Pilsen, Czech Republic
21.	Aayushi Sanghavi	6th International Conference on Research in Behavioural and Social Sciences	26 <sup>th</sup> July 2019	United Kingdom
22.	Monica Sonkusare	9th International conference on Management, Economic and Humanities (ICMEH)	26 <sup>th</sup> July 2019	United Kingdom
23.	Gautam Singh Rajput	2nd International Conference on Future Learning Aspects of Mechanical Engineering, Amity University, Uttar Pradesh	5 <sup>th</sup> -7 <sup>th</sup> August, 2019	India
24.	Urja Jobanputra, Vishal Tushar Rajani	2nd International Conference on Research in Social Science, Economics and Business sustainability	10 <sup>th</sup> August 2019	United Kingdom
25.	Jhanvi Arora, Vishruti Kakkad, Charmi Jobanputra, Riya Thakore	14th International Conference on Future Networks and Communications	19 <sup>th</sup> -21 <sup>st</sup> August, 2019	Canada
26.	Darshan Solanki and Jaynish Idhariya	CSIR-National Metallurgical laboratory (NML),	5 <sup>th</sup> -6 <sup>th</sup> September, 2019	India

		Jamshedpur		
27.	Archchi Sarkar	71st Annual ICCP Meeting	15 <sup>th</sup> -21 <sup>st</sup> September 2019	The Hague, The Netherlands
28.	Mayuresh Thite	Solar Powertree	16 <sup>th</sup> September, 2019	India
29.	Ramonika Sengupta	Measurement of Complex Dielectric Constant using Optical Method	16 <sup>th</sup> September, 2019	Paris
30.	Ramonika Sengupta	A Study of Electronic Transport Through a Nanoscale Air Film	16 <sup>th</sup> September, 2019	India
31.	Stuti Kachhwaha	Study of Partial Discharge Characteristic in Gaseous & Solid Insulating Medium	16 <sup>th</sup> September, 2019	India
32.	Jahanvi Ichchhapuriya	Nature Club of SRICT	17 <sup>th</sup> September, 2019	India
33.	Paras Dhameliya	Standalone photovoltaic tree system analysis	17 <sup>th</sup> September, 2019	India
34.	Dhaval R Vyas	Setpoint tracking control using modified higher order sliding mode control: application to robotic manipulator	17 <sup>th</sup> September, 2019	India
35.	Gargi Trivedi	Sizing and placement of single distribution generator in radial distribution network and analytical study	17 <sup>th</sup> September, 2019	India
36.	Dhaval R Vyas	Robotic grasp synthesis using deep learning approaches : A survey	17 <sup>th</sup> September, 2019	India
37.	Gargi Trivedi	Optimal sizing and placement of multiple distributed generators using teaching learning based optimization algorithm in radial distribution network	17 <sup>th</sup> September, 2019	India
38.	Priyansh Kumar	Dynamic state estimation for multi-machine power system using WLS and EKF: a comparative study	17 <sup>th</sup> September, 2019	India
39.	Het Bhalja	Standalone Microgrid with 5 level diode clamped inverter based hybrid generation system	17 <sup>th</sup> September, 2019	India
40.	Gargi Trivedi	Smart substation technologies for future development in recent era	17 <sup>th</sup> September, 2019	India
41.	Swati Srivastava, Pratyush Srivasatava, Rajnish Kumar	ISSE National Conference (INAC-4) organized by ISSE (Indian Society of Systems for Science and Engineering) and	27 <sup>th</sup> September, 2019	India

		ISRO at Space Applications Centre (SAC)		
42.	Urjit Patel	ISSE National Conference (INAC-4) organized by ISSE (Indian Society of Systems for Science and Engineering) and ISRO at Space Applications Centre (SAC)	27 <sup>th</sup> September, 2019	India
43.	Hiral Nadpara	First International Conference on Computing, Communications, and Cyber-Security	12 <sup>th</sup> -13 <sup>th</sup> October, 2019	India
44.	Ritwika Verma	3rd International Conference on Election and Democracy	12 <sup>th</sup> October 2019	France
45.	Peehu Gulati	International Conference on Finance, Bank and Economics 2019	15 <sup>th</sup> October 2019	South Korea
46.	Sahil Rupani	3rd International workshop on Recent advances on Internet of Things: Technology and Application Approaches (IoT-T&A 2019)	4 <sup>th</sup> -7 <sup>th</sup> November, 2019	Portugal
47.	Kartik Bharatbhai Patel, Fenil Dankhara, Jigar Shah, Sahil Rupani, Sumeet Sachdev, Aniket Singh Solanki, Karan Lohia, Shivank Vyas, Shalin Parikh, Dharmin Dave	10th International Conference on Emerging Ubiquitous Systems and Pervasive Networks	4 <sup>th</sup> -7 <sup>th</sup> November, 2019	Portugal
48.	Lajja Mistry, Samarpita Mukherjee, Yash Ranawat, Stutie B. Suthar, Dhruvi Patel, Sheona Everett, Faizan Devdiwala, Mishka Kanabar, Ruchi Nanwani, Anisha Tibdewal, Mrunmayee Das, Durva Nimbalkar, Sukriti Sethi, Prachi Talesara, Hiran Madiya, Mallika Khanna, Shardul Mehra, Ananyaa Dave, Diksha Dheri, Aakash Tiwari, Aashka Vipul Thakkar, Meghna Singh, Vironica Babbar, Vaishnav	Dharamshala International Film Festival 2019	7th November 2019	India

	Tripathi, Kirti Patwari, Monica Sonkusare, Seva Shah			
49.	Gaurav Shukla, Kajal Shah	Poster presentation in APS-DPP International Conference in Plasma Physics at Fort Lauderdale, Florida, USA	9 <sup>th</sup> - 13 <sup>th</sup> November, 2019	USA
50.	Mehna Niazai	International Association of Schools and Institution of Administration	12 <sup>th</sup> November 2019	Qatar
51.	Avani Makhesana	S-Chemcon	17 <sup>th</sup> November, 2019	India
52.	Prachi Shah, Arpit Patel, Dhwanil Vaghani, Raj Pindoria	S-Chemcon	17 <sup>th</sup> November, 2019	India
53.	Abhishek Saxena	International Conference on Modern Trends in Activation Analysis (MTAA-15)	17 <sup>th</sup> -22 <sup>nd</sup> November, 2019	Mumbai, India
54.	Vishal Uttam Dhakane	International Conference on Modern Trends in Activation Analysis (MTAA-15)	17 <sup>th</sup> -22 <sup>nd</sup> November, 2019	Mumbai, India
55.	Meghna Udaysingh	10th International Conference on Business, Economics, Management and Marketing at Boston	18 <sup>th</sup> November 2019	United States of America
56.	Parvathi Pillai, Komal Desai	IMMT-19	26 <sup>th</sup> November, 2019	Dubai
57.	Farhan Khimani, Nisarg Patel	4th International Conference on Functional Materials and Metallurgy (ICFMM 2019) held in Osaka, Japan	27 <sup>th</sup> -30 <sup>th</sup> November, 2019	Japan
58.	Rajkumar Vaghashiya	7th International Conference on Computing and Emerging Technologies	1 <sup>st</sup> December, 2019	India
59.	Shagun Tatia	ICRBME	3 <sup>rd</sup> December 2019	Austria
60.	Sharvil Patel	Poster presentation in 34th National Symposium on Plasma Science and Technology PLASMA	3 <sup>rd</sup> -6 <sup>th</sup> December, 2019	India
61.	Hetvi Shah, Vishva Bhatt, Kathan Shah	National Systems Conference (NSC 2019) on Innovative and Emerging Trends in Engineering Systems, IIT, Roorkee; Paper: Neuromorphic Computing in speech recognition using nanodevices.	3 <sup>rd</sup> -6 <sup>th</sup> December, 2019	India
62.	Trushil Alpeshkumar Patel	43rd National Systems Conference on Innovative and Emerging Trends in Engineering Systems, Roorkee	6 <sup>th</sup> -8 <sup>th</sup> December, 2019	India

63.	Heli N. Shah	Research Fora	8 <sup>th</sup> December 2019	Japan
64.	Aanchal Rajesh Jha	Eurasia Conference	9 <sup>th</sup> December 2019	United Arabic Emirates
65.	Aaditya Dave	International Conference on Intelligent and Cloud Computing	15 <sup>th</sup> -16 <sup>th</sup> December, 2019	India (Online Presentation)
66.	Riya Thakore	2019 IEEE 16th India Council International Conference (INDICON)	16 <sup>th</sup> -17 <sup>th</sup> December, 2019	India
67.	Chintan Patel	Third International Conference on Computing and Network Communications	18 <sup>th</sup> -21 <sup>st</sup> December, 2019	India
68.	Chintan Patel	5th International Symposium on Intelligent Systems Technologies and Applications	18 <sup>th</sup> -21 <sup>st</sup> December, 2019	India
69.	Kaushal Vora, Param Shah, Payal Mehta	IGC 2019	19 <sup>th</sup> -21 <sup>st</sup> December, 2019	India
70.	Arpan Patel, Shubham Jha, Rohan Soni, Kishan Fuse and Jay Vora	7th International Conference on Industrial Engineering and Applications (Europe)	15 <sup>th</sup> -17 <sup>th</sup> January, 2020	Paris, France
71.	Mr. Parth Kamleshbhai Bagerwal, Mr Vishal Kathiriya, Mr Kush Thakkar and Mr. Parth Mody	13th Confluence 2020 International Conference on Indoor Air Quality hosted by ISHRAE Ahmedabad Chapter	17 <sup>th</sup> -18 <sup>th</sup> January, 2020	India
72.	Mr. Parth Kamleshbhai Bagerwal	4th International Geothermal Conference: Harnessing and Hybridization	21 <sup>st</sup> January, 2020	India
73.	Gaurav Shukla, Kajal Shah, Sharvil Patel	Poster presentation in National Symposium for Commemorating 30-years of ADITYA Tokamak	27 <sup>th</sup> -28 <sup>th</sup> January, 2020	India
74.	Mrunmayee Das	International Conference on Film Studies: "(De)Constructing Narrative Identities"	8 <sup>th</sup> February 2020	United Kingdom
75.	Arrown Dalsaniya, Dhananj Modi, Kishan Fuse, Maulik Kanakhara	9th International Conference on Industrial Technology and Management (ICITM 2020)	11 <sup>th</sup> -13 <sup>th</sup> February, 2020	St Anne's College, University of Oxford, United Kingdom.
76.	Arrown Dalsaniya, Dhananj Modi, Kishan Fuse	9th International Conference on Industrial Technology and Management (ICITM 2020)	11 <sup>th</sup> -13 <sup>th</sup> February, 2020	St Anne's College, University of Oxford, United

				Kingdom.
77.	Parvathi Pillai	INDACON-20	13 <sup>th</sup> February, 2020	India
78.	Anooksha Yogesh Rathod	22nd International Conference on Advanced Communication Technology (ICACTION)	16 <sup>th</sup> -19 <sup>th</sup> February, 2020	Korea (Online Presentation)
79.	Riya Gandhi	International Conference on Future Businesses	19 <sup>th</sup> February 2020	Germany
80.	Meet Gor	1st International Conference on Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy (MMCITRE-2020), Gandhinagar	22 <sup>nd</sup> -24 <sup>th</sup> February, 2020	India
81.	Prerna Vinchhi	ICONSAT 2020 Kolkata	7 <sup>th</sup> March, 2020	India
82.	Urja Kantariya	2nd International Conference on "Recent trends in Engineering and Scientific Technology" OSIER, Chennai, India	21 <sup>st</sup> March, 2020	India
83.	Harsh Thakur	4th International Workshop on Recent Advances on Internet of Things: Technology and Application Approaches (IoT-T&A 2020)	6 <sup>th</sup> -9 <sup>th</sup> April, 2020	Poland (Online Presentation)
84.	Jivesh Poddar	3rd International Conference on Emerging Data and Industry 4.0 (EDI40)	6 <sup>th</sup> -9 <sup>th</sup> April, 2020	Poland (Online Presentation)
85.	Wael Sawan, Akash Samrat	Second International Conference on Advances in Electrical and Computer Technologies 2020	12 <sup>th</sup> -13 <sup>th</sup> June, 2020	India
86.	Anand J Patel and Raj M Dadhaniya	3rd International Conference on Data Science and Applications	25 <sup>th</sup> -28 <sup>th</sup> June, 2020	Turkey
87.	Mahima Soni	International Conference on Smart Communication and Imaging Systems, MEDCOM 2020	26 <sup>th</sup> June, 2020	India
88.	Niti Mittal	Semester Abroad at University of Minnesota	Fall Semester 2019	United States
89.	Antara Mandal	Semester Abroad at University of Minnesota	Fall Semester 2020	United States
90.	Mayank Jhumarmal Dugar	Semester Abroad at University of Minnesota	Fall Semester 2021	United States
91.	Chinar Mahesh Bajaj	Semester Abroad at University of Minnesota	Fall Semester 2022	United States



## Conferences/ Workshops /Seminars/Conclaves

Sr. No.	Discipline	Subject Area/Title	Type (Conferences/ Workshops / Seminars/ Conclaves)	Level (State / National/ Int. National)	Duration (1st Jan, 2019 to 3rd Jan, 2019)
1.	Mathematics	One Week STTP on "Mathematical Modelling and Simulation"	Workshop	National	3 <sup>rd</sup> to 7 <sup>th</sup> June 2019
2.	Physics	Quest of an Indian mind for spaces sciences	Seminar	National	1 <sup>st</sup> August 2019
3.	Liberal Studies	Transgender Employment Concerns	Symposium	National	9 <sup>th</sup> August 2019
4.	Social Sciences	Global Growth Scenario: Risks and Policies- Opportunities and Prospects for India	Seminar	National	13 <sup>th</sup> August 2019
5.	Social Sciences	Jannat-E- Kashmir: Post Article 370	Conclave	Regional	20th August 2019
6.	Languages, Literature and Aesthetics	Demystifying: Research Writing	Workshop	Regional	23rd & 26th August 2019
7.	Chemistry	Lithium Ion Battery	Seminar	State	26 <sup>th</sup> August 2019
8.	Mechanical Engg.	ANSYS: hands-on sessions on the CFD capabilities	Workshop	-	30 <sup>th</sup> to 31 <sup>st</sup> August 2019
9.	Nuclear and Science	Nuclear Safety and Security	Workshop	International	4 <sup>th</sup> to 6 <sup>th</sup> September 2019
10.	Women's Cell	Self Defence Jointly Organized by Women's Cell, PDPU and Fire and Security Association of India	Workshop	Regional	6 <sup>th</sup> September, 2019
11.	Mechanical Engg.	Start Unknown and Finish Unforgettable by Mr. Anand Bhatnagar, VP (HR), Reliance	Workshop	-	7 <sup>th</sup> September 2019

		Industries Ltd.			
12.	Chemistry	Raman and fluorescence based low cost indigenous spectroscopy in India	Workshop	National	12 <sup>th</sup> to 13 <sup>th</sup> September 2019
13.	Physics	Raman and fluorescence based low cost indigenous spectroscopy in India	Workshop	National	12 <sup>th</sup> to 13 <sup>th</sup> September 2019
14.	Liberal Studies	Research Methodology in Social Sciences	Seminar	National	16 <sup>th</sup> to 17 <sup>th</sup> September 2019
15.	Industrial Engg.	SAP : Systems Applications and Products in Data Processing Seminar	Seminars	National	20 <sup>th</sup> September 2019
16.	Mechanical Engg.	NBA Knowledge transfer workshop for SPT and SOT regarding NBA	Workshop	-	23 <sup>rd</sup> to 30 <sup>th</sup> September 2019
17.	Mechanical Engg.	Wear and Wear Testing	Workshop	-	30 <sup>th</sup> September 2019
18.	Mechanical Engg.	Students Solar Ambassador Workshop 2019	Workshop	National	2 <sup>nd</sup> October 2019
19.	Chemical Engg.	Computer aided Process Equipment Design	Workshop	National	10 <sup>th</sup> October 2019
20.	Electrical Engg.	Computer-Aided Applied Optimization	Workshop	National	10 <sup>th</sup> October 2019
21.	Industrial Engg.	5S workshop	Workshop	National	13 <sup>th</sup> October 2019
22.	Solar Energy	One-day Symposium	Symposium	National	14 <sup>th</sup> October 2019
23.	Civil Engg.	Geotechnical Innovation and Entrepreneurship: Woman achievers in Geotechnical Engineering	Seminar	National	18 <sup>th</sup> October 2019
24.	Computer Engg.	MongoDB and NodeJs	Workshop	National	19 <sup>th</sup> October 2019

25.	Chemical Engg.	Electrochemical Characterization of optoelectronic devices	Workshop	National	21 <sup>st</sup> October 2019
26.	Women's Cell in collaboration with the clubs Jharokha and Rang	Event on Gender Equality and Safety		Regional	21 <sup>st</sup> October 2020
27.	The School of Liberal Studies with the Office of International Relations	Look for Your Spot in the World -Interactive Session for Higher Education in India and Abroad	Seminar	National	22 <sup>nd</sup> October 2020
28.	ICT	India International Science Festival 2019	Conference	International	5 <sup>th</sup> to 8 <sup>th</sup> November 2019
29.	Chemistry	Arranged the visit of Chemistry VII semester students to 7 <sup>th</sup> International Exhibition & Seminar on Laboratory, Scientific, Analytical, Diagnostics Instruments Chemicals and Consumables	Seminar	International	7 <sup>th</sup> November 2019
30.	Electrical Engg.	Basics of Latex	Workshop	National	7 <sup>th</sup> November 2019
31.	Mechanical Engg.	Career awareness session on biggest mistake an engineer by Canadian start up Boarding pass for success	Seminar	-	7 <sup>th</sup> November 2019
32.	The Psychology area of the Department of Social Science	Roadmap To Problem – Solving	Seminar	National	9 <sup>th</sup> November 2019
33.	Physics	APS-DPP International	Conference	International	9 <sup>th</sup> to 13 <sup>th</sup> November

		Conference in Plasma Physics at Fort Lauderdale, Florida, USA, Nov. 9-13, 2019.			2019
34.	Liberal Studies	9th INSPA International Conference Report	Conference	International	13 <sup>th</sup> to 15 <sup>th</sup> November 2019
35.	Chemistry	Perovskite Nanocrystals	Workshop	State	14 <sup>th</sup> November 2019
36.	Solar Energy	One-day Symposium	Symposium	National	14 <sup>th</sup> November 2019
37.	Chemical Engg.	Chemfuge 3.0-Annual Chemical Engg Quiz and Poster Competition	Quiz and Poster Presentation	National	15 <sup>th</sup> November 2019
38.	Women's Cell	Sort of A Feminist	Workshop	Regional	18 <sup>th</sup> November 2019
39.	Mechanical Engg.	Use of NDT techniques in space applications and insights into Chandrayan -2	Workshop	National	19 <sup>th</sup> November 2019
40.	ICT	North East Centre for Technology Application & Reach	Conference	National	20 <sup>th</sup> November 2019
41.	Nuclear and Science	Developing Emerging Nuclear Security Practitioners	Workshop	International	20 <sup>th</sup> to 22 <sup>nd</sup> November 2019
42.	Electrical Engg.	Electric Vehicle Technology	Workshop	National	22 <sup>nd</sup> to 23 <sup>rd</sup> November 2019
43.	Physics	Electric Vehicle Technology	Workshop	National	22 <sup>nd</sup> to 23 <sup>rd</sup> November 2019
44.	Business Administration & Commerce	Capsule Course on Innovative Financial Instruments and Fundamentals of Finance	Certificate Course	Regional	29 <sup>th</sup> November to 1 <sup>st</sup> December 2019
45.	Physics	34th National Symposium on	Conference	National	3 <sup>rd</sup> to 6 <sup>th</sup> December

		Plasma Science and Technology PLASMA-2019, 3-6 December, 2019			2019
46.	Mechanical Engg.	Industry Connect 2019	Workshop	National	6 <sup>th</sup> December 2019
47.	Physics	IEEE workshop on Recent Advances in Photonics WRAP-2019	Conference	International	13 <sup>th</sup> to 14 <sup>th</sup> December 2019
48.	ICT	INDICON 2019	Conference	International	14 <sup>th</sup> to 15 <sup>th</sup> December 2019
49.	International Releations	The 8th Study in India Short Term Program (pan India) -“Working in Cross Cultural Context Considering People, Behaviour and Communication”	Workshop	International	29 <sup>th</sup> December 2019 to 10 <sup>th</sup> January 2020
50.	Industrial Engg.	11th International Conference on Mechatronics and Manufacturing (ICMM 2020) will be held at Tama Campus, Chuo University, Tokyo, Japan	Conference	International	10 <sup>th</sup> to 12 <sup>th</sup> January 2020
51.	Liberal Studies	Innovations and Technologies	Certificate Workshop	Regional	18 <sup>th</sup> January 2020
52.	Liberal Studies	Student Exchange Programme for St. Pious X Degree & P.G. College, Hyderabad	Workshop	National	20 <sup>th</sup> to 28 <sup>th</sup> January 2020
53.	Petroleum Engg.	4th Geothermal Conference on Energy and Hybridization	Conference	International	21 <sup>st</sup> January 2020
54.	Physics	Joining Techniques, TIFR Mumbai	Workshop	National	25 <sup>th</sup> January 2020
55.	Physics	National Symposium	Conference	National	27 <sup>th</sup> to 28 <sup>th</sup> January

		Commemorating 30-years of ADITYA Tokamak			2020
56.	Business Administration & Commerce	Capsule Course on Dynamics Family Business and Sustainability	Certificate Course	Regional	31 <sup>st</sup> January & 1 <sup>st</sup> & 2 <sup>nd</sup> February 2020
57.	Physics	International conference on Contemporary Computing and Application (IC3A-2020)	Conference	International	5 <sup>th</sup> to 7 <sup>th</sup> February 2020
58.	Business Administration & Commerce	Capsule Course on Design Thinking and Future Thinking	Certificate Course	Regional	7 <sup>th</sup> to 9 <sup>th</sup> February 2020
59.	Computer Engg.	Basics of Python Programming	Workshop	National	8 <sup>th</sup> February 2020
60.	Physics	34th Gujarat Science Congress, Ganpat University, Mehsana, Gujarat	Conference	State level	8 <sup>th</sup> to 9 <sup>th</sup> February 2020
61.	Civil Engg.	Recent Trends in Infrastructure Project Management	Seminar	National	13 <sup>th</sup> to 14 <sup>th</sup> February 2020
62.	Mechanical Engg.	Scope and Opportunity in Mechanical Engineering	Seminar	State	14 <sup>th</sup> February 2020
63.	Mechanical Engg.	Advances in Friction Stir Processing	Seminar	National	15 <sup>th</sup> February 2020
64.	Civil Engg.	Brain Storming session on Smart Campus Cloud Network	Session	University	19 <sup>th</sup> February 2020
65.	Chemical Engg.	Recent Advances in Chemical Engg.	Workshop	National	20 <sup>th</sup> February 2020
66.	ICT	MMCITRE-2020	Conference	International	21 <sup>st</sup> to 23 <sup>rd</sup> February 2020
67.	Industrial Engg.	10th International conference and Materials Processing and Characterization	Conference	International	21 <sup>st</sup> to 23 <sup>rd</sup> February 2020

68.	Mathematics	1st International Conference on “Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy”	Conference	International	21 <sup>st</sup> to 23 <sup>rd</sup> February 2020
69.	Nuclear and Science	Power and Non-power application of nuclear technology	Seminar	National	27 <sup>th</sup> February 2020
70.	Liberal Studies	Let’s Converse in Mother Tongue at SLS with Chitralekha	Seminar	Regional	27 <sup>th</sup> February 2020
71.	Mechanical Engg.	Recent Developments in Micro – Nano Manufacturing Techniques	Workshop	National	28 <sup>th</sup> to 29 <sup>th</sup> February 2020
72.	Physics	Climate Change 2020: Adaptation and Mitigation Practices with Local and Global Level Innovations	Conference	International	28 <sup>th</sup> to 29 <sup>th</sup> February 2020
73.	Chemistry	Publish or perish: Strategies for scientific research publication	Workshop	National	29 <sup>th</sup> February 2020
74.	Women’s Cell	‘Women’s Health Education – Transforming Community’ for the Celebration of International Women’s Day, 2020	Seminar	National	5 <sup>th</sup> March 2020
75.	Computer Engg.	Hi-Tech Cyber Crime Investigation	Workshop	National	26 <sup>th</sup> March 2020
76.	ICT	ICMISC	Conference	International	28 <sup>th</sup> to 29 <sup>th</sup> March 2020
77.	Chemical Engg.	Skill Development and Time Managment	Webinar	National	12 <sup>th</sup> April 2020
78.	Civil Engg.	Demo on Candy Software	Webinar	University	16 <sup>th</sup> April 2020



79.	Civil Engg.	Stay Safe While Air-Conditioning - Corona Free Air Conditioning Using Engineering Simulation	Webinar	University	20 <sup>th</sup> April 2020
80.	Civil Engg.	Covid 19 Pandemic: Role of Youth and Volunteers	Webinar	National	30 <sup>th</sup> April 2020
81.	Chemical Engg.	Project Scale up : Laboratory to Industrial Implementation	Webinar	National	10 <sup>th</sup> May 2020
82.	Civil Engg.	Alumni Webinar on Scope and Opportunities of Civil Engineering after Graduation	Webinar	University	10 <sup>th</sup> May 2020
83.	Civil Engg.	Implementation of Lean tools in Construction Sector	Webinar	National	14 <sup>th</sup> May 2020
84.	Civil Engg.	Alumni Webinar on Different Job Profiles in construction industry	Webinar	University	16 <sup>th</sup> May 2020
85.	Civil Engg.	Alumni Webinar on Building Information Modelling in changing AEC industry.	Webinar	University	17 <sup>th</sup> May 2020
86.	Solar Energy	Webinars series	Seminar	National	17 <sup>th</sup> to 23 <sup>rd</sup> May 2020
87.	Civil Engg.	Different Job Profiles in Construction Industry	Webinar	National	18 <sup>th</sup> May 2020
88.	Electrical Engg.	Recent Technological Advancement in Power System in collaboration of ABB Power Tec, Vadodara	Webinar	National	20 <sup>th</sup> to 26 <sup>th</sup> May 2020
89.	Civil Engg.	Alumni Webinar on Scope and Opportunities of Civil Engineering after Graduation	Webinar	University	24 <sup>th</sup> May 2020

90.	Nuclear and Science	Poster MOVING FORWARD Career Path and Required Skills	Webinar	National	29 <sup>th</sup> May 2020
91.	Chemical Engg.	Innovation Based case studies on Industrial Process Development	Webinar	National	30 <sup>th</sup> May 2020
92.	Chemical Engg.	The Techno-Commercial Approach: Sustainability and Start-up	Webinar	National	2 <sup>nd</sup> June 2020
93.	Chemical Engg.	Energy for Sustainable Environment transforming the future	Webinar	National	6 <sup>th</sup> June 2020
94.	Nuclear and Science	Nuclear Energy for Sustainable Carbon-Free in Electric Power, Food and Water Security and Generating Wealth from Waste	Webinar	National	8 <sup>th</sup> June 2020
95.	Physics	Science Pathways to Future Technologies, PDPU	Workshop	National	13 <sup>th</sup> June 2020
96.	ICT	International Conference on. Smart Communication and Imaging Systems	Conference	International	26 <sup>th</sup> to 27 <sup>th</sup> June 2020

## PLACEMENT

### B. Tech.

The Faculty of Engineering and Technology (SoT & SPT) maintained its excellent track record of securing placement for its students. This year the first batch of B.Tech Computer Engineering and Information & Communication Technology graduated from the University. Both the branches achieved 100% placements. Our students were hired by top companies of India. Continuing with past track record this year numerous students have received job offers from companies which are predominantly from their respective discipline.

Some other noteworthy companies that recruited include Honeywell UOP, Shell Business Operations, M G Motors, Infosys, Reliance Industries, Torrent Power, Adani Power, L&T, Jubilant Life Sciences, Tata Chemicals, Adani Gas, BYJU's, Nayara Energy, Berger Paints, Adani Wilmar, Bombardier, Gujarat State Fertilizers and Chemicals, Gujarat State Petronet Ltd..

Sr. No.	Organization	No. of students placed
1	4C Consulting Private Limited	1
2	Adani Power	5
3	Adani Gas	9
4	Adani Wilmar	4
5	AlmaShines	1
6	Atul Limited	4
7	Berger Paints	3
8	Bombardier	1
9	Byju's	7
10	Chilton Refrigeration Pvt Ltd	1
11	Cloud 24*7 Inc.	2
12	Collegedunia	6
13	Deepak Nitrite	1
14	Deepak Phenolics	1
15	Durogreen	1
16	Embibe	2
17	Ensign (Uplers)	1
18	Eshia	2
19	Evosys	4
20	Federal Bank	5
21	Gateway Technolabs	1
22	Gujarat State Fertilizers and Chemicals	4
23	Gujarat State Petronet Ltd	2
24	Hansa Group	3
25	Hi-tech isolutions LLP	1
26	Honeywell UOP	3
27	Infosys	54
28	Innovify	3
29	Jubilant Lifesciences	2
30	L&T Ltd	2

31	L&T Technology Services	5
32	Meditab Software (India) Pvt Ltd.	1
33	MG Motors	3
34	MLVeda	1
35	Nayara Energy	4
36	Neosofttech	1
37	Novelsynth Software Pvt. Ltd	1
38	NR Engineering	1
39	OpsHub Technologies	2
40	Optimized Solution	7
41	Pipeline Infrastructure Ltd	1
42	Quicko	2
43	Quixote Automobile Technologies	1
44	Ratnam Energy	1
45	Reliance Industries Ltd	10
46	Sabarmati Gas	4
47	Shell Business Operations	7
48	Silver Touch	2
49	SunEdison Infrastructure Ltd	1
50	Synoptek	7
51	Tata Power	3
52	Tata Consultancy Services	14
53	Torrecid	1
54	Torrent Gas	6
55	Torrent Power	3
56	Unschool	6
57	Upvision Software Services Pvt Ltd	1
58	Welspun India Ltd	1
59	Wipro	3
60	Workex	16
61	Worley	5
62	ZealousWeb	7
<b>Total</b>		264
<b>Minimum annual emolument</b>		1.2 LPA
<b>Maximum annual emolument</b>		10.32 LPA
<b>Average annual emolument</b>		4.44 LPA

#### M. Tech.

Sr. No.	Organization	No. of students placed
1	Infosys	10
<b>Total</b>		10
<b>Minimum annual emolument</b>		3.60 LPA
<b>Maximum annual emolument</b>		3.60 LPA
<b>Average annual emolument</b>		3.60 LPA

## M. B. A.

The Faculty of Management maintained its excellent track record of securing placement for its students. This year placements touched nearly 100%, with our students being hired by top companies of India. Some of the highlights are mentioned below:

- The highest offer of Rs. 14.00 LPA has been offered to MBA Students.
- New Recruiters like MRF, Nestle, IndusInd Bank, Bandhan Bank, Federal Bank, to name a few were the part of the recruitment process.

Some other noteworthy companies that recruited include Accenture, Infosys, Reliance Industries, KPMG, ICICI Bank, ICICI Prudential Life Insurance Limited, Torrent Gas, Torrent Power, Adani Group, Asian Paints Limited.

Sr. No.	Organization	No. of students placed
1	361 Learning Solutions	1
2	Accenture Technology	6
3	Adani Power	1
4	Amrut Energy	4
5	Asian Paints	1
6	Bandhan Bank	2
7	Evosys	5
8	Federal Bank	5
9	HDFC Limited	3
10	HFFC	2
11	ICICI Bank	23
12	ICICI Prudential	5
13	IndusInd Bank	3
14	Infosys	8
15	IRM Energy	1
16	KPMG	3
17	MRF	1
18	Nestle	2
19	Pandit Deendayal Petroleum University	1
20	Reliance Industries Ltd.	4
21	Sabarmati Gas Ltd.	3
22	Sterlite Technologies Ltd.	1
23	Synoptek	1
24	Tata Consultancy Services	9
25	Torrent Gas	9
26	Torrent Power	3
27	Wipro	4
<b>Total</b>		111
<b>Minimum annual emolument</b>		3.60 LPA
<b>Maximum annual emolument</b>		14.00 LPA
<b>Average annual emolument</b>		6.66 LPA

## Liberal Studies

The Faculty of Liberal Studies maintained its excellent track record of securing placement for its students in companies as well as higher education in India and abroad. This year the first batch of B.Sc (Hons.) graduated from the University. Continuing with past track record this year a number of students have received admission offers from national & international universities and received job offers from companies which are predominantly from their respective discipline.

Apart from the listed placements, offers for placement were also open at Mahindra and Mahindra, Johnson and Johnson, Adecco Group, Federal Bank, Swastik Print Media, DHL Logistics, Dahua Technologies, Century Ply, Deutsche Bank, G M Tea Packers Private Limited, Kirloskar, Axis Bank, IDFC Bank, Tata Tele channel partner, Jetking, Divya Bhaskar, Flourish Purefoods Pvt. Ltd., Devan Ceramic, Chemmanur International Group, MDI India, One Advertising and communication, Synergy Resource solutions, Kalupur Commercial Cooperative Bank, Schoogle, Entigrity Pvt Ltd., HDFC Life, IdeaBright Infotech, HDFC Bank, ML Veda, Arvind Smartspaces, KPMG, India Infoline, M & B (Sanand GIDC), Dell, TCS Digital Content Hiring, Pixielit Studios, Start Health Insurance, etc.

### B.B.A./ B.A./ B.Com./B.S.C.

Sr No	Company	Number of students placed
1	India Bulls	7
2	Yashavi Wealth Management	1
3	Byju's	5
4	Think and Learn Private Limited	1
5	Free Mind Works	1
6	UpGrad	1
7	BA Continuum Solutions Private Limited	2
8	Adosphere India	2
9	Ernst and Young	1
10	Godrej Properties Limited	1
11	Pocket Aces Pictures Pvt. Ltd.	1
12	Forrester Research India Private Limited	1
13	Mad Umbrella Production Private Limited	2
	<b>Total</b>	26
	<b>Minimum annual emolument</b>	2.52 LPA
	<b>Maximum annual emolument</b>	10.00 LPA
	<b>Average annual emolument</b>	5.29 LPA

## LIBRARY RESOURCES

The libraries of the University provide the ideal ambience for production & dissemination of knowledge, information, insights & intellect across Schools of the University. The Library holds a huge collection of printed as well electronic resources which include books, journals, databases, e-books, e-journals, CDs/DVDs, reports, case studies, conference proceedings, training manuals, etc.

Information Technology has been extensively utilized to ensure that resources are accessible to students and faculty from anywhere at any time. Services such as OPAC for checking availability and booking online, remote access to e-resources and databases make the LIC extremely user-friendly.

The libraries have been automated using TCSiON library module. The software facilitates automated circulation (issue-return) of books and speedy access to bibliographic, location and availability information of the books in the library. A ready and up-to-date catalogue is available on the Internet for book enquiry. PDPU library also subscribes online databases such as EBSCO: Business Source Premier, Capitaline Plus, OnePetro: SPE e-library, IEEE Explorer, American Chemical Society: ACS, American Physical Society: (APS), American Institute of Physics (AIP), Indiatat.com and JSTOR.

Particulars	FoET (SoT& SPT)	SPM	SLS
Number of Titles	10242	14147	10025
Number of Volumes	28960	15121	13532
National Journals	89	75	43
International Journals	13	12	10
National E-Journals	1	110	152
International E-Journals	1352	2200	24687
Database	1	3	07
CD`s	2446	1107	874
Newspapers	14	13	14
Case Study	0	65	--
Others		--	Pandit Deendayal Upadhyay Archival Section (107 books )
Plagiarism Check Software	TURNITIN		



## SPORTS

Petrocup 2020 is the 12th edition of Petrocup, and this has been an exhilarating journey. What was once a small event on the grounds at PDPU is now one of the biggest college fest in the western region of the country and yet it continues to grow year by year. PDPU for years, has kept society's welfare as one of its main principles and has also appreciated the importance of those who have contributed to it. We describe this fest as "BLAZE OF GLORY", for this showcases the fest in its true spirit. Petrocup now hosts 18 sports and more than 100 institutes across India with international participation in 9 sports competing over the glorious Petrocup. Over 6000 students participate and the total footfall adds up to 9500.

PetroCup'20 hosted formal events namely Basketball, Football, Volleyball, Lawn Tennis, Cricket, Carom, Chess, Athletics, Ultimate Frisbee, Kho Kho, Kabaddi, Badminton, Skating, Extreme Gym, Yoga, Takewondo and Table Tennis. The informal events like Futsal, Tug of War, Dodgeball, Footloose served the purpose of entertaining fillers. E-sports like DOTA, FIFA and many others were also to take place.

Renowned cricketer Mr. Munaf Patel was the chief guest of the opening ceremony. He motivated the students to take up sports and shared his experience of playing the sport at the highest level.

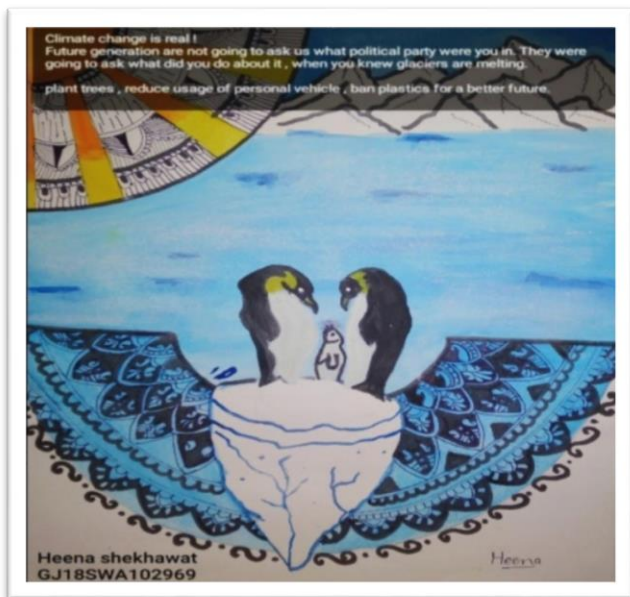


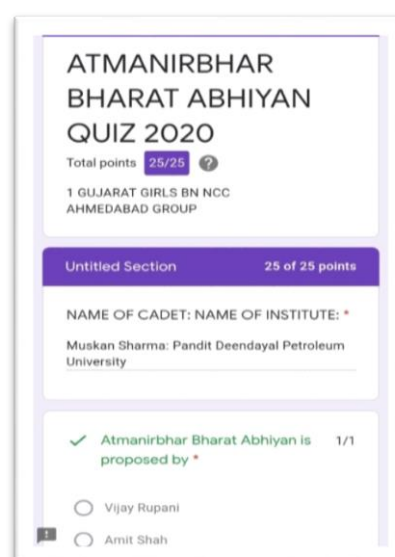
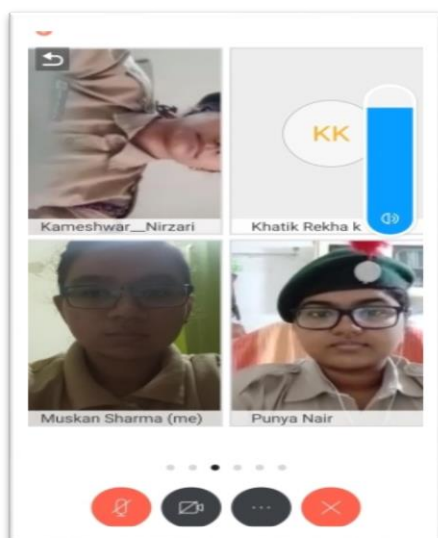
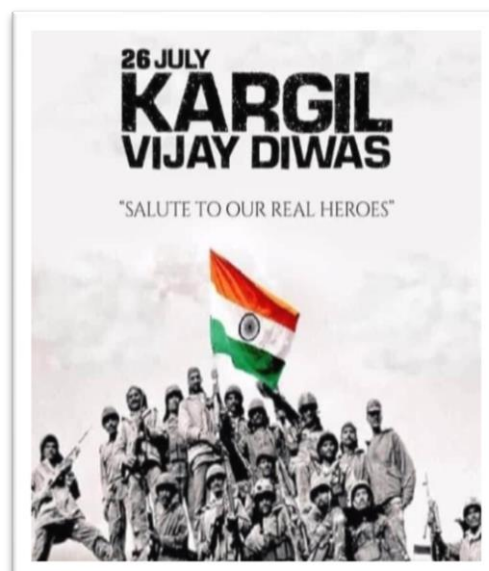
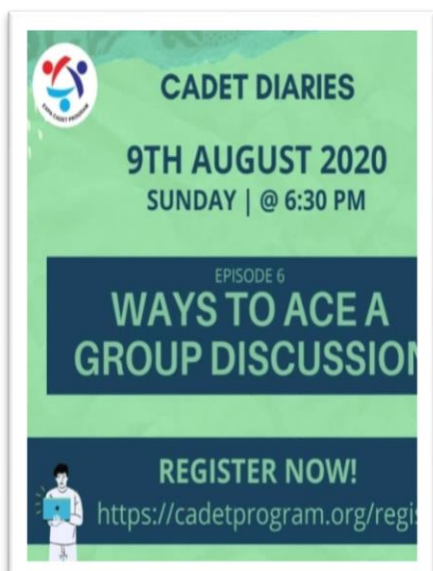
- NCC is one of the elective courses of the curriculum in the UG programmes of the University.
- 50 Boys & 50 Girls students were enrolled in it.
- Combined Annual Training Camps (CATCs) of Girl & Boy Cadets: CATC-XIV (1st to 10th February, 2019), CATC-IV (8th to 18th July, 2019),
- Mavlankar Shooting Championship Selection 9<sup>th</sup> April, 2019
- 'B' Certificate - 11 Girl Cadets & 11 Boy Cadets
- 'C' Certificate - 10 Boy Cadets
- Activities during the Pandemic time
  - Mask Making on 14<sup>th</sup> May, 2020
  - Yoga for Life Competition on 15<sup>th</sup> June, 2020
  - Poster Making on World Environment DAY on 5<sup>th</sup> June, 2020
  - Tree Plantation on 29<sup>th</sup> July, 2020
  - Interaction With Grandparents on 2<sup>nd</sup> July, 2020
  - Pledge Taking on 4<sup>th</sup> August, 2020
  - 'Vocal For Local' Poster Making on 8<sup>th</sup> August, 2020
  - Igot Training on 29<sup>th</sup> May, 2020
  - Cadet Diaries: How to Face Job Interview? on 26<sup>th</sup> July, 2020
  - How to Ace a Group Discussion? On 9<sup>th</sup> August, 2020
  - Webinar On Kargil Diwas on 26<sup>TH</sup> July, 2020
  - Poem Writing on 22<sup>nd</sup> July, 2020
  - Public Speaking Competition on 16th August, 2020
  - Atma Nirbhar Bharat Quiz on 15th August, 2020
  - Lecture on Fit India Movement on 21st August, 2020
  - Lecture on Atmanirbhar Bharat on 13th, 14th and 18th August, 2020
  - Webinar on Fit India on 14th September, 2020
  - Constitution Day Celebration Quiz on 13th September, 2020

### **Events and Activities**











## NSS

### National service scheme 'Not me, But you'

National Service Scheme (NSS) is an Indian government- sponsored public service program conducted by the Ministry of Youth Affairs and Sports, Government of India. This scheme enables the youth to participate in various programmes concerning regional and national Development. With community service as its main focus, NSS, along with its highly passionate volunteers continues to impact the society through a variety of events and camps organized in rural areas.

At PDPU, NSS is a one credit course for the first year undergraduate students, and about 100 students enroll every year in it.

### Glimpses of NSS programs

Tree Plantation  
13<sup>th</sup> September 2019



Blood Donation Camp  
13<sup>th</sup> Sep. 2019



Village Survey  
11<sup>th</sup> Oct., 20<sup>th</sup>, 22<sup>nd</sup>, & 27<sup>th</sup> Nov. 2019



Poster Making  
15<sup>th</sup> Nov. 2019



Guest Lecture on Organ Donation  
15<sup>th</sup> Nov. 2019



SwachhtaPakhwada  
22<sup>nd</sup> & 24<sup>th</sup> Jan. 2020



Martyr's Run- Neon Rush  
30<sup>th</sup> Jan. 2020



Cyclothon- Fit India  
30<sup>th</sup> Jan. 2020



Visit to Deaf and Dumb Home  
7<sup>th</sup> Feb. 2020



Education Drive  
28<sup>th</sup> Feb. 2020





## STUDENTS' ACTIVITIES

**Convocation Mela  
(29<sup>th</sup> August 2019)**



**Engineers' Day Celebration 2019  
(15<sup>th</sup> September 2019)**



**Rangtaal 2019: Navaratri Celebration  
13<sup>th</sup> October, 2019**



**PDPU Haat  
(16<sup>th</sup> October 2019)**



**TESSERACT is the Annual Science and Technical Fest  
(8<sup>th</sup> to 10<sup>th</sup> November 2019)**



**Kai Po Che: Uttrayan Celebration  
(10<sup>th</sup> January, 2020)**



**Image Processing Workshop by Cretus:  
(8<sup>th</sup> & 9<sup>th</sup> February, 2020)**





## STUDENTS' CLUBS

### Soul Pepper: Dance & Dramatics



Soul Pepper is a dance & dramatics club started by students. Its objective is to demonstrate and understand the nature of basic voice production, modulation and delivery. Examine the nature of trust and responsibility in the context of Drama as a social art form. And its aim to develop the depth of concentration necessary for inventive role-play activities.

### Jharokha: Literary Club



Jharokha provide an open forum for ideation, discussion, and deliberation on literary pieces, current and social issues, or any other idea under the sky. The club arranges workshops on creative writing and drawing. Drop in to participate in activities in activities like poetry recitation and listen to budding poets making lively recitations of their poems.

### Rang: Fine Arts



Rang “The fine arts club” is the proposed title for fine arts and crafts club of PDPU which has been functioning to bring out the hidden creativity of students and provide a platform for those who want to show their creative and designing skills.

The main aim of this club is to create an atmosphere of innovation and creativity in the institute for all the students interested.

### Offbeat: Music



Offbeat is the music club focusing on providing platform to talented students at campus and create awareness on different genre of music. Music has the ability to reduce pain through release of endorphins which act as natural pain killers. One of the key objective of music is to increases self-esteem and self-confidence of the students.

### Elixir: Styling



A Fashion Stylist is one of the most popular emerging professions in the fashion world globally and is the job title of someone who selects the clothing and accessories for published editorial features, print or television advertising campaigns, music videos, concert performances, and any public appearances made by celebrities, models or other public figures.

Elixir would be entitled to develop the inner stylist in every student. Modelling, Grooming, Training and the overall personality skill development would be managed over the workshops and several events by the club.

### Grow Cook Eat: Food



GCE is the Food club of PDPU. GCE provides a forum for information exchange and network around a common interest – food.

### Rotaract: Social Awareness



Rotary's main objective is leadership, development & service— in the community, in the workplace, and around the globe. The mission of Rotary International is to provide service to others, promote integrity, and advance world understanding, goodwill, and peace through its fellowship of business, professional, and community leaders.

### **Debate Society:Debate**



DebSoC is a students' forum at PDPU, which actively encourages intellectual and creative interaction. The forum organizes debates on various topics and provides a competitive environment to the students where they can enhance their communicative and public speaking skills.

### **Spic Macay:Indian Music & Culture**



SPIC MACAY is a nationwide voluntary movement that organizes programmes of classical music and dance, folk arts, crafts, yog, classic cinema screenings, heritage walks, etc. inside school and college campuses throughout the world to make students more aware about Indian and world heritage. As the name suggests

“Society for the Promotion of Indian Classical Music And Culture Amongst Youth . PDPU chapter of SPIC MACAY promotes Indian Classical music & Culture through various activities.

### **Voleso:Fashion**

The best designer is the designer who breathes life in a garment. Voleso- the fashion designing club of PDPU not only focuses on fashion as an industry but concentrates deep into the roots of designing.

From sketching to the final dress, everything you do to a cloth, makes it the final garment. Voleso is all about learning how to be a designer, enhance the designing skills and replicate the imagination into reality. Being backstage and designing your own line is something that can help a designer become a creator, and it will help them understand "fashion" in the deepest context. We, at voleso, are willing to help and promote designing and so we provide a chance for anyone who can design to

### **South Block: International Relations**



**South Block**

Our world is smaller, faster, yet faces threats that loom larger than ever. Things are inextricably linked together in this new age. Now is the time, and the need for students to understand this connectivity and speculate on current as well as future trends to stay on top of changes and challenges. With the aim of fulfilling that need, this year we are proud to announce a new club in the PDPU family named after the famous 'South Block' of Secretariat building that houses

- PMO
- Ministry of Defense
- Ministry of External Affairs
- NSA
- Indian Foreign Secretary and Cabinet Secretary

### **Science & Technical Committee:**

#### **Brahmand:Astronomy**



“BRAHMAND” - The Astronamy Club mainly focuses on various activities that connect us with our Universe. The club organizes events related to astronomy and astrophysics. The Universe is full of spectacular events which creates a lot of excitement among the people. And the explanation is also covered with mythical beliefs. The Club will make sure to introduce the reality behind them. This club helps Enthusiasts to learn more about astronomy and explore more of deep sky

and EXPLORE THE UNEXPLORED!!!

### **Cretus:Robotics**



The Robotics Club endeavors to provide a platform for learning about hardware, electronics, fabrication and programming for robotics and its application in the energy sector. The club exposes students to latest automation techniques in the oil and gas sector.

### **Encode:Coding & Computing**



Encode is the coding club of PDPU. The Club's main objective would be to support Programming as an initiative to empower logical skills as well as object oriented skills.



### **Mind Ripple:Quiz**

The objective of the Club is to ignite and sustain the spark of curiosity in students, which would give PDPU students the edge in this world of mediocrity and uni- dimensional thought. To adorn PDPU students with the jewel called 'Awareness' whose dazzle would speak volumes about the glory of their intelligence wherever they go.

### **Sorriso:Photography**



This club is formed to make student aware about photography as an art form. Photography is all about "seeing" things differently -- about thinking and discerning more fluently, so you can see the unique elements and factors that others may have overlooked in their habitual way of looking at the world.

### **VGA:Film Making**



This club focuses on spreading a social message to people through their skill and by developing their ideas through script writing, shooting, editing and directing. Typically, it involves a large number of students who work together with single goal in their mind. Its main mission is to develop appreciation for film.

### **Avionics:Avionics**

Avionics, the aeromodelling club, will function as a platform for enthusiasts, professionals and academicians to come together to work collaboratively in the aforesaid domain. Enabling students to learn and apply their learning rapidly is the main objective of the club. Through integrated activities like workshops, lectures, practical demonstrations and interdisciplinary projects, the club intends to cultivate the fresh talent in the domain to be the best in the circuit. By participating and

delivering in competitions, this talent can be further honed in terms of skills and motivation. The club will foster innovation in the field of aeronautics and aeromodelling, and empower students to not just create, but to protect and deploy their intellectual property.

#### **Envirocrats of PDPU:Environment**

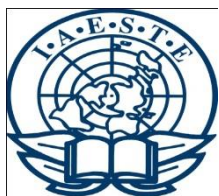
EOP aims to raise the awareness and understanding of various ‘environmental issues’ and instil a sense of responsibility for ‘protecting and conserving the environment’ . The club will bring to light that ‘environmental management’ is a cash rich business and in this business everyone gain. EOP promotes the essence of ‘live and let live’

#### **Respawn:Gaming**



PDPU recognizes the Generation next’s interest in E- Sports and encourages the same. Students share their talent and knowledge of E-sports in games like—Arcade, CS, FIFA, Quake, Racing Games, Puzzles and Chess. E-Sports event annually and students also go to Inter-college competitions.

#### **IAESTE:Student Exchange**



The International Association for the Exchange of Students for Technical Experience (IAESTE) is an independent, non-profit and non-political student exchange organization. It provides students in technical degrees with paid, course-related, training abroad. Since it was founded in 1948, it has grown to include more than 80 countries and has exchanged in excess of 300,000 students.

#### **Economic Ride:**



ECO Bikes!! Why Eco bikes? Economic instability, climate changes and stay fit are main reasons to ride a bike! The smart and convenient way to ride is here at PDPU. Economic ride brings to you the most economic bicycles on rent! Yes you can rent the bicycles on a bike.

Economic Ride is a bike share programme aimed at encouraging the use of bikes by enhancing the ownership experience and making it hassle free and more convenient for students to go from one place to another. Students don’t face any problem as each bicycle is checked and serviced at regular intervals Through this initiative our students help our environment and make it more green and pollution free.

## VISITORS

Sr. No.	Name	Designation	Organisation	Date
1.	Mr. Naishad Patel and Mr. D. G. Sharma	Assistant Professor	Faculty from Government Engineering College, Gandhinagar	11/7/2019
2.	Dr. Abul Kalam	Associate Professor	King Khalid University	28/7/2019
3.	Dr. Parth Bhavsar	Research Professor	Rowan university	1/8/2019
4.	Mr. Hardik Parekh	Manager Blue Chip	India	2/8/2019
5.	Mr. Jaimin Patel	Faculty	Neotech Institute of Technology Vadodara	14/8/2019
6.	Mr. Sunil Sachdeva	Ex-General Manager	Reliance India Limited (RIL)	14/8/2019
7.	Prof. Kaushik Nath	Head of Chemical Engg.	GCET Vallabh Vidyanagar	23/8/2019
8.	Mr. Huang Zhengyao	Engineer	TOBChina	26/8/2019
9.	Mr. Paridh N Patel	Manufacturing Engineer	Cosmos Engitech Pvt. Ltd. Vadodara	27/8/2019
10.	Mr. Ankit Patel	Managing Director	Rajiv Engineers Ahmedabad	29/8/2019
11.	Mr. Jignesh Patel	Scientist	SAC ISRO Ahmedabad	29/8/2019
12.	Dr. Rajiv Srivastava	Project Manager	IOCL Ahmedabad	29/8/2019
13.	Mr. Nikunj Khatri	Production Engineer	Corrtch Energy Limited Ahmedabad	29/8/2019
14.	Mr. Daniel Johnson	Senior Advisor	World Institute For Nuclear Security Vienna	4 <sup>th</sup> to 6 <sup>th</sup> September 2019
15.	Mr. James C. Miller	Nuclear Engineering and Nonproliferation Division	Los Alamos National Lab USA	4 <sup>th</sup> to 6 <sup>th</sup> September 2019
16.	Dr. Parikshat Bansal	Scientific Officer	AERB Mumbai	4 <sup>th</sup> to 6 <sup>th</sup> September 2019
17.	Dr. Prabhat Munshi	Professor	IIT Kanpur	4 <sup>th</sup> to 6 <sup>th</sup> September 2019
18.	Dr. Narendra Joshi	Professor	Mody University	4 <sup>th</sup> to 6 <sup>th</sup> September 2019
19.	Dr. Pankaj Wahi	Associate Professor	IIT Kanpur	5/9/2019
20.	Dr. Braj Bhushan	Professor	IIT Kanpur	5/9/2019
21.	Dr. Amitava Gupta	Professor	Jadavpur University	5/9/2019
22.	Dr. Suresh Kumar	Assistant Professor	Delhi University	6/9/2019
23.	Dr. VikasKumar Sharma	Assistant Professor	IITRAM	7/9/2020
24.	Dr. Kameshwar Singh	Principal PE Consultant	Whitson Norwegian University of Science and Technology (NTNU)	10/9/2019
25.	Mr. Santhanu Brijesh	Reservoir Engineer	KAPPA Reserve Oil	10/9/2019
26.	Dr. Biswajit Ganguly	Sr. Principle Scientist	CSMCRI Bhavnagar	16/9/2019
27.	Mr. Dipesh Adepu	Senior Engineer	LNC Lavalin	16/9/2019
28.	Mr. Dharmesh Mahant	Vice President Kalpataru Power Transmission Ltd	India	4/10/2019
29.	Mr. Pratush Naik	Sr. General Manager	Reliance Industries Baroda	10/10/2019

30.	Dr. Kanubhai Parmar	Asst Vice President	Reliance Industries Baroda	10/10/2019
31.	Mr. Tulsidas Solanki	Ex-Asst Vice President	Reliance Industries Baroda	10/10/2019
32.	Dr. Antonello Astarita	University of Naple 'Federico-II' Italy	Italy	11/10/2019
33.	Dr. Alphonsa Joseph	Scientific Officer - G	Institute for Plasma Research Gandhinagar	14/10/2019
34.	Prof. A. K. Shukla	Professor	IISC Banglore	14/10/2019
35.	Dr. Amitabha Das	Director	CSMCRI Bhavnagar	14/10/2019
36.	Mr. Chetan Patel	Faculty	Govt. Polytechnic Vadnagar	18/10/2019
37.	Mr. Drupad Patel	Technical Manager	TechnoSparc, Ahmedabad	18/10/2019
38.	Mr. Paresh Haribhakti	Managing Director	TCR-Advanced Engineering Pvt Ltd Baroda	22/10/2019
39.	Mr. Bhushan Nikam	Application Engineer	KUTMASTER Aurangabad	23/10/2019
40.	Prof. John Methews	Professor	Oregon State University US	23/10/2019
41.	Mr. Dhariya Shah	Sales & Marketing Manager	Shenzhen K-star New Energy Co.Ltd	23/10/2019
42.	Mr. Khaurshed Batliwala	Professor	IIT Bombay	5/11/2019
43.	Dr. Sameer Dalvi	Associate Professor	IIT Gandhinagar	7/11/2019
44.	Dr. Anish Jantrania	Associate Professor	A&M	6/11/2019
45.	Mr. Mahesh Rao	Chief Manager Operations Siemens Ltd Vadodara	India	8/11/2019
46.	Prof. Narayan Pradhan	Professor	IACS-Kolkatta	14/11/2019
47.	Prof. Prabhakar Singh	Professor	IIT-Varanasi	14/11/2019
48.	Mr. Devi Arnad	German Academic Exchange Service	Deutscher Akademischer Austauschdienst German Academic Exchange Service	15/11/2019
49.	Prof. (Dr) Himanshu A. Pandya	Vice Chancellor	Gujarat University INDIA	20/11/2019
50.	Mr. Cliff Glantz	Systems Engineer	Pacific Northwest National Laboratory USA	20 <sup>th</sup> to 22 <sup>nd</sup> November 2019
51.	Dr. Radha Kishan Motkuri	Senior Scientist	Pacific Northwest National Laboratory USA	20 <sup>th</sup> to 22 <sup>nd</sup> November 2019
52.	Mr. Guy Landine (PNNL)	Senior Control Systems Specialist	Northwest National Laboratory USA	20 <sup>th</sup> to 22 <sup>nd</sup> November 2019
53.	Dr. Craig Marianno (TAMU)	Deputy Director	Center for Nuclear Security Science and Policy Initiatives USA	20 <sup>th</sup> to 22 <sup>nd</sup> November 2019
54.	Prof. Sai Baba NIAS	T.V. Raman Pai Chair Professor	National Institute of Advanced Studies Bangalore	20 <sup>th</sup> to 22 <sup>nd</sup> November 2019
55.	Dr. Ashutosh Mishra	Assistant Professor	Motilal Nehru National Institute of Technology Allahabad	21 <sup>st</sup> to 22 <sup>nd</sup> November 2019
56.	Officials from Jackobs Vadodara	Officials	Jackobs Vadodara	22/11/2019



57.	Prof. Anil Srihatti	Professor	Jain College of Engineering Karnataka	22/11/2019
58.	Ms. Bruna	Intern	-	22/11/2019
59.	Mr. D G Sharma	Faculty	Gujarat Engineering College, Gandhinagar	25/11/2019
60.	Prof. Ajit Desai	Retd Professor	CEPT University	26/11/2019
61.	Dr. H G Rana	Faculty	LDRP Gandhinagar	27/11/2019
62.	Smt. Vaibhavariben Dave	Minister of State for women and Child welfare Education (Primary & Secondary)	Gov. of Gujarat	28/11/2019
63.	Shri Pavan Sharma	Environmental Engineer	Gujarat Pollution Control Board	29/11/2019
64.	Shri Vrushank Vyas	Director	Oizom Pvt. Ltd.	29/11/2019
65.	Shri Dushyant Bansal	Director	Agroha Buildcon	29/11/2019
66.	Dr. Bharat Jain	Member Secretary	Gujarat Cleaner Production Centre	29/11/2019
67.	Dr. H. G Rana	Faculty	LDRP Gandhinagar	2/12/2019
68.	Mr. Vijay V & Mr Alap Mistry	Velosi Qatar	Qatar	3/12/2019
69.	Prof. T. K. Pal	Research Professor	Mechanical Engg. Department GIET University Gunupur	5/12/2019
70.	Mr. Kaoustubh Tiwari	Sr. Engineer	WAPCOS	5/12/2019
71.	Mr. Jane Michel Knaack	International Senior Project Manager	German Solar Association	9/12/2019
72.	Mr. Sapan Bose	Senior Engineer	MEGA	10/12/2019
73.	Mr. Ishantraj Chaudhari	Assistant Manager	TPF Engineering Pvt. Ltd	11/2/2020
74.	Mr. Sunilkumar	DGM (HR)	ONGC Cambay Asset	17/2/2020
75.	Prof. Zhan Chen	Professor	Mechanical Engineering (AUT New Zealand)	18/12/2019
76.	Prof. Gour Gopal Roy	Professor	IIT Kharagpur	19/12/2019
77.	Prof. Feng C Lai	Presidential Professor	Mechanical Engineering University of Oklahoma, USA	25/12/2019
78.	Prof. M. El Ganaoui	Professor	University of Lorraine France	25/12/2019
79.	Prof. Anil K. Kulkarni	Professor	Mechanical Engineering The Pennsylvania State University, USA	26/12/2019
80.	Dr. P H Shah	Head	Mechanical Engineering Dept SVIT	27/12/2019
81.	Dr. (Er.) Manoj Kumar Gupta	Scientific Officer-G Mechanical	CSIR-Advanced Materials and Processes Research Institute, Bhopal	31/12/2019
82.	Mr. Bharat Doshi	Scientific Officer-G	Institute for Plasma Research (DAE)	31/12/2019
83.	Mr. Neeraj Pande	Faculty	NIOH Ahmedabad	2/1/2020
84.	Mr. Hardik Parekh	Manager	Blue Chip Info-Corp Pvt Ltd.	3/1/2020
85.	Dr. Asit Panda	Senior Scientist	CSMCRIBhavanagar	7/1/2020

86.	Dr.Subroto Mukharjee	Associate Professor	Plasma Research	8/1/2020
87.	Mr. Michael Newmann	Spallart	CNRS France	9 <sup>th</sup> January to 7 <sup>th</sup> February 2020
88.	Dr. Emila Panda	Associate Professor	IIT Gandhinagar	10/1/2020
89.	Prof. D.G. Kuberkar	Professor	Saurashtra University	10/1/2020
90.	Shri A. Jayakumar	Special Advisor	Vijnana Bharati	20/1/2020
91.	Mr. Vinayak P Dravid	Founding Director	Northwestern University Automic and Nanoscale Characterization	21/1/2020
92.	Mr. Srinivas	Design Interface	India	22/1/2020
93.	Mr. Kamlesh Mehta	I/C. HoD	VPMP Polytechnic LDRP-ITR Campus Gandhinagar	24/1/2020
94.	Ms. Sapna Solanki	Assistant Professor	Faculty Mechanical Engineering Department Vishwakarma Government Engineering College	24/1/2020
95.	Dr. Harshit Dave	Associate Professor	Mechanical Engineering Department SVNIT Surat	27/1/2020
96.	Dr. Purvesh Nanavaty	Assistant Professor	Metallurgy Department Government Engineering College Gandhinagar	27/1/2020
97.	Mrs. Padmaja Matthey	Chief General Manager (Reservoir)	ONGC	3/2/2020
98.	Mr. Mike DuBose	Vice President of International Development	International Association of Drilling Contractors	5/2/2020
99.	Prof. Anil D. Sahasrabudhe	Chairman of AICTE	AICTE	7/2/2020
100.	Dr. Bhargav	Professor	IIT RAM Ahmedabad	10/2/2020
101.	Mr. Nikunj Khatri	Production Engineer	Cor-rtech Energy Limited Ahmedabad	11/2/2020
102.	Dr. Rakesh Afre	Associate Professor	Ajeenkya D.Y. Patil University Pune	13/2/2020
103.	Mr. Devendra Gope	Manager	Fronius India Private Limited Ahmedabad	17/2/2020
104.	Prof. Bhudev Sharma	Former Professor	Atlanta University/JIIT University	21/2/2020
105.	Prof. D.S. Hooda	Professor	G.J University of Science and Technology	21/2/2020
106.	Prof. K.R. Pardasani	Professor	MANIT Bhopal	21/2/2020
107.	Prof. Joydip Dhar	Professor	ABV-Indian Institute of technology and Management	21/2/2020
108.	Prof. Dinesh Singh	Chancellor	K. R. Mangalam University	21/2/2020
109.	Mr.Japan Trivedi	Founder	Efforts consulting Ahmedabad	25/2/2020

110.	Dr.Kedar Shukla	Director	ROEFL-GRIMS Vapi	25/2/2020
111.	Dr. Prasad Kokil	Director	RYTNow Systems Aurangabad	25/2/2020
112.	Mr. Brijesh Kamani	President	TeckSun Ltd. Ahmedabad	25/2/2020
113.	Mr. Bharat Patel	Founder	Waterman Pumps Ahmedabad	25/2/2020
114.	Prof. Jeetendra Kumar Vadher	Professor	GEC Palanpur	26/2/2020
115.	Dr. Suryakant Gupta	Scientific Officer - G	Institute for Plasma Research Gandhinagar	27/2/2020
116.	Mr. Jaydeep Joshi	Scientific Officer-F	ITER-India Institute for Plasma Research	16/3/2020
117.	Mr Ashish Yadav	Scientific Officer-E	ITER-India Institute for Plasma Research	16/3/2020
118.	Prof. Vikram Kumar	Professor	Centre for Applied Research in Electronics (CARE)IIT Delhi	16/3/2020
119.	Dr. Prasoon Kumar	Assitant Professor	National Institute of Pharmaceutical Education and Research – Ahmadabad	5/7/2020

પંડિત દીનદયાળ પેટ્રોલિયમ યુનિવર્સિટીના સ્ટુડન્ટ્સે 'મેક ધ ફ્યુચર ઇન્ડિયા ૨૦૧૯'  
ખાતે તેમનું એનર્જી એફિસિયન્ટ વ્હિકલ પ્રદર્શિત કરવા તૈયાર

Sandesh (City Life)

Date: 16/10/2019

# PDPUનાં ૩૫ સ્ટુડન્ટ્સની ટીમે સુપરિયર એરો ડાયનેમિક્સની કાર ડિઝાઇન કરી

પંડિત દીનદયાળ પેટ્રોલિયમ યુનિવર્સિટી ગાંધીનગરના સ્ટુડન્ટ્સ  
છેલ્લા પાંચ વર્ષથી શ્રેષ્ઠ ઇલેક્ટ્રો મોટોર વાહન (એસઈએમએ)માં ભાગ  
લઈ રહ્યા છે. આ ઉપરાંત 'મલેશિયામાં યોજાયેલ  
મેક ધ ફ્યુચર અંતર્ગત સેફ્ટી-ટેકનિકલ  
ઈન્સ્પેક્શનને પાસ કર્યું છે અને બેટરી  
ઈલેક્ટ્રિક પ્રોટોટાઇપ કેટેગરીમાં ૧૨મા સ્થાને  
આવેલ છે. સાથેસાથ ૧૨૨.૮ કિ.મી પ્રતિ  
કિ. વોટની એફિસિયન્સી હાંસલ કરી હતી.  
આ વર્ષે યુનિવર્સિટી એક ૩૫ સભ્યોની ટીમ  
સુપરિયર એરો ડાયનેમિક્સ સાથેની એક કાર  
ડિઝાઇન કરી છે. આ કારની ડિઝાઇન બાયો-  
મિમિક્રી એક ડ્રાઇવ કરતા કિંગફિશર તથા  
આધુનિક મિમિક્રી એક બુલેટ ટ્રેન દ્વારા પ્રેરિત  
છે. જેમાં કુદરત અને આધુનિકતાનું મિશ્રણ છે. આ ટીમની કાર નક્કરમાં  
ઈલેક્ટ્રિકલ ટ્રાન્સમિશનનો ઉપયોગ કરવામાં આવ્યો છે. તેમાં ઈ  
લેક્ટ્રિકલ હબ મોટરનો પાવર છે, જે એક આઈસી કન્ટ્રોલર દ્વારા  
નિયંત્રિત કરવામાં આવે છે. આ ટીમ તેની માર્કેટ ૩૫૦ કિલોમીટર-  
કિલોગ્રામ એક્સેલી અપેક્ષા રાખે છે. આને પ્રાપ્ત કરવા માટે ટીમ કાર



છે.

એનએ તેની અગાઉની ડિઝાઇનની તુલનામાં વાહનની બોડીનો વજન ૭  
કિલોગ્રામ જેટલો ઓછો કરવાની જરૂર છે. આ ગારીનું વજન ઘટાડવા  
માટે કાર્બન ફાઇબર રીમ ફક્ત ૨૫૦ ગ્રામ કરવું  
પડ્યું હતું. આ સ્પર્ધા અંગે જણાવતા મેનેજર  
ઓફ ટીમ કાર્ડેનનાં ઋત્વિક વીયાએ જણાવ્યું  
હતું કે, આજે કેટલીક ટેકનોલોજી ઝડપથી  
વિકસી રહી છે. તેનાથી અંસાધનોના બચાવ  
અને પર્યાવરણીય અધોગતિને ઘટાડવા માટેની  
પુષ્કળ લાભતા પણ ઊભી કરવામાં આવી છે.  
અમે સતત અમારી રિયર ટેકનોલોજી માટે  
જોઈ રહ્યા છીએ. અમારા વાહનોનું વીજળી  
કરશે આ દિશામાં એક નોંધપાત્ર પગલું છે. હું  
માનું છું કે, અમારા વાહનોનું પ્રોટોટાઇપમાં અમે સતત સુધારા વધારા  
કરી રહ્યા છીએ જેનાથી અમારું માનવું છે કે, તે અમે આ વર્ષે સ્પર્ધામાં  
ઊંચું રહેવામાં મદદ કરશે. બિનપરંપરાગત પદ્ધતિઓના પ્રયોગ દ્વારા  
સતત બદલાવ લાવવા તરફ દરેક સભ્યોનો જુસ્સો અને ઉત્સાહ એ  
અમારા નામ કાર્ડેન પાછળનો રચનાત્મક વિચાર છે. જેનો જાપાનીઝ  
મતલબ 'સતત સુધારો' થાય છે.



## સર્વિસ સેક્ટરનો વિકાસએ દેશની ઇકોનોમીને પ્રોત્સાહન આપે છે

પીડીપીયુ સ્કૂલ ઓફ પેટ્રોલિયમ દ્વારા બે દિવસીય બિઝનેસ મેનેજમેન્ટ સિમ્પોઝિયમનું આયોજન કરવામાં આવ્યું હતું. આ સિમ્પોઝિયમમાં ઈન્ડિયા ફાઈવ ટ્રિલિયન ઈકોનોમી એન્ડ રોલ ઓફ ઈન્ડિયન ઈન્ડસ્ટ્રીઝ જેવા વિષય પર ચર્ચા યોજવામાં આવી હતી. જેમાં વિદ્યાર્થીઓએ સર્વિસ સેક્ટર, ઈન્ફ્રાસ્ટ્રક્ચર, રિયલ એસ્ટેટ અને મેન્યુફેક્ચરિંગ સ્ટ્રક્ચર જેવા વિષયો પર પણ ચર્ચા કરી હતી. જેમાં સ્કૂલ ઓફ પેટ્રોલિયમના ડિરેક્ટર ગોપલકૃષ્ણ પણ હાજર રહ્યાં હતા. તેમણે વિદ્યાર્થીઓને ઘણી અગત્યની વાતોથી માહિતગાર કર્યાં હતા. અને વિદ્યાર્થીઓ પેટ્રોલિયમ ઈન્ડસ્ટ્રીમાં નવા શિખરો સર કરીને સંસ્થાનું નામ રોશન કરે તે ભાવાર્થે મોટિવેટ કરવામાં આવ્યા હતા.

Sandesh (City Life) Date: 07/11/2019

## પીડીપીયુમાં બે દિવસીય બિઝનેસ મેનેજમેન્ટ સિમ્પોઝિયમનું આયોજન

જ્યારે સર્વિસ સેક્ટરનો વિકાસ થાય ત્યારે દેશની ઇકોનોમીને પ્રોત્સાહન મળે છે. વિકસિત દેશની ઇકોનોમીમાં સર્વિસ સેક્ટર ઘણો મત્વનો ફાળો ધરાવે છે.

- ગોપલકૃષ્ણ, ડિરેક્ટર

### Campus Corner

બ્રાણ દિવસીય ટેકફેસ્ટમાં રેસિંગ કોમ્પિટિશન છવાઈ

Sandesh (City Life)

Date: 10/11/2019

## PDPUની ટેકફેસ્ટ ઇવેન્ટમાં 3,000 જેટલા સ્ટુડન્ટ્સે પાર્ટિસિપેટ કર્યું

પંડિત દીનદયાળ પેટ્રોલિયમ યુનિવર્સિટી (PDPU) ખાતે અન્યુઅલ સાયન્સ એન્ડ ટેકનિકલ ફેસ્ટિવલ 'ટેસરેક્ટ'નું આયોજન કરવામાં આવ્યું. આ ત્રણ દિવસીય ટેકફેસ્ટમાં વિવિધ ટેકનિકલ અને નોન-ટેકનિકલ ઇવેન્ટ્સ યોજવામાં આવી હતી. જેમાં ઉપથી વધારે ઇવેન્ટ્સ, રથી વધારે નેશનલ ઇવેન્ટ્સ તેમજ ઉથી વધારે ગેસ્ટ લેક્ચર્સ યોજવામાં આવ્યા હતા. જેમા રોબોટિક્સ, કિવઝ, કોડિંગ, એક્ઝિબિશન્સ, વર્કશોપ્સ જેવી ઇવેન્ટ્સનો સમાવેશ કરવામાં આવ્યો હતો. આ ટેકફેસ્ટમાં ૩,૦૦૦થી વધારે સ્ટુડન્ટ્સનું કાઉંડ એકત્ર થયું હતું. છઠ્ઠા વર્ષનાં આ એડિશનમાં ઈન્ડિયન ડ્રોન રેસિંગ કોમ્પિટિશન, ટેસરેક્ટ-૨૦૧૯ નેશનલ લેવલ ક્યૂબ સોલ્વિંગ કોમ્પિટિશન જેમાં વર્લ્ડ ક્યૂબ એસોસિયેશન સાથે કોલાબરેશન કરવામાં આવ્યું છે, એલેક્સા વર્કશોપ, સોશિયલ કોઝ માટે ટેસ-રન-એ મેરાથોન અને ટેક કાર્નિવલ જેવી નવી ઇવેન્ટ્સનો સમાવેશ કરવામાં આવ્યો છે. આ ટેકફેસ્ટનાં ત્રીજા દિવસે ડાન્સ ઇવેન્ટનું આયોજન કરવામાં આવશે.

PDPUનાં ટેકફેસ્ટમાં આ વર્ષે ઈન્ડિયન ડ્રોન રેસિંગ કોમ્પિટિશન સાથે સોશિયલ કોઝ માટે મેરાથોનનું આયોજન પણ કરવામાં આવ્યું



સ્ટુડન્ટ્સે હોલિવૂડ ફિલ્મ 'એવેન્જર્સ'નાં સુપર હીરોનાં આઈકોનિક કેરેક્ટર્સનાં સિમ્બોલ્સ કિચેટ કર્યાં હતા.

### આજે આ ઇવેન્ટ્સ યોજાશે

ગેમિટી વેલ ડેમોન્સ્ટ્રેશન, ટેસરેક્ટ ઓપન-૨૦૧૯, બેટલ ઓફ સ્ટ્રક્ચર્સ, બ્રાઝર, કોમ્પ્યુટર વિઝન વર્કશોપ, એરોસ્વીપ, લેબ્રિનીથ, લાઇવ ફોટોગ્રાફી સ્ટુડિયો, વોસિફાઈ, પ્લેનેટેરિયમ, ઓપોક્લિપ્સ, બ્રેકિંગ બિઝનેસ, મેટ્રિક્સ બ્રેકઆઉટ, એસ્ટ્રોહંટ, રિકેટી એડવેન્ચર, સાયકોમેટ્રિક ટેસ્ટ, કોડ વોર, હુમન બોર્ડ ગેમ, રોબો સોકર, ઓટોમોબાઈલ એક્ઝિબિશન.