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ABOUT UNIVERSITY

This University popularly known as PDPU has been established under the Gujarat State Legislative Act No.14 on 4th 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 a unique obligation for Education in Energy, Engineering, Management and Liberal Arts 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

- 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
- 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.
- B. Tech. Mechanical Engg. Program has got the accreditation for three years from the National Board of Accreditation (NBA).

Dr. S. Sundar Manoharan
Director General



Innovation for Industry 4.0 and Beyond

This University boasts of its vibrant campus with the latest facilities and technologies. It has set up State of the art Laboratories in various disciplines with the support of Industry and Knowledge partners. The University has also developed Translational Research Centre-TREC to facilitate multi-disciplinary interactions on all the nine verticals of Industry 4.0 namely Augmented and Virtual Reality, Additive Manufacturing, Artificial Intelligence, Industrial IoT, Big Data, Cyber-Physical Systems, Cyber Security, Data Science, and Nanotechnology.

Students have demonstrated exuberant performance and innovation in their study & research; that has greatly added to the prestige and recognition of the University. The students are provided with the sound support for international exposure to have global perspective through International Exposure Programs.

Faculty with their expertise in the subject domain play very important role in nurturing the students for their chosen field of study. The researchers and students of the University collaborate with industry and government for innovation and incubation. Experts from Industry and Academia contribute a lot for updates in the course curriculum to meet industry standards.

The University encourages its faculty and students with the best in Academics for their holistic development.

We are gradually moving forward with our vision of building a globally renowned institution through Industry 4.0, with the wholehearted support and participation of all associated with the University. We look forward to go far and achieve more milestones, with the whole hearted support of all well-wishers of the University.

BOARD OF GOVERNORS

Dr. Mukesh Ambani

President

Members

Shri D. Rajagopalan, IAS Former Chief Secretary - GoG Chairman- Standing Committee	Dr. R. A. Mashelkar FRS Bhatnagar Fellow & President-Global Research Alliance National Chemical Laboratory – Pune
Dr. S. Sundar Manoharan Director General	Shri Sudhir Mehta Chairman Torrent Group - Ahmedabad
Shri Shashi Shanker Chairman & Managing Director, Oil and Natural Gas Corporation (ONGC), New Delhi	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	Shri Jalaj Dani Chairman – IIM - Trichy and Co-promoter of Asian Paints
Mrs. Pallavi Shroff Shardul Amarchand Mangaldas & Co. New Delhi	Dr. Parimal Nathwani Reliance Industries Ltd.
Nominee of Gujarat Energy Research & Management Institute - GERMI	Dr. Nigam Dave Dean: Faculty of Liberal Studies
Dr. Sunil Khanna Director, School of Technology	

ACADEMIC COUNCIL

Dr. S. Sundar Manoharan
Director General

Members

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. Jayant Kelkar Head- Corporate Technical Services Reliance Industries Limited
Dr. Sunil Khanna Director – School of Technology	Dr. R. K. Vij Director, School of Petroleum Technology
Dr. Nigam Dave Director - School of Liberal Studies	Prof. Pramod Paliwal Dean- Faculty of Management
Dr. Rajesh Patel Dean – Faculty of Engineering & Technology	Dr. T. P. Singh Professor in Mathematics
Dr. S. Kachhwaha Head – Dept. of Mechanical Engg.	Dr. Indrajit Mukhopadhyay Professor in Department of Solar Energy School of Technology
Dr. Ashvin Dave Professor in Department of Business Administration & Commerce School of Liberal Study	

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 Pandit Deendayal 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 its 16th batch in 2020.

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. General Management

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

In addition, SPM offers Executive Education for working executives on a off campus & campus contact basis. SPM offers Ph.D. programme [full-time and part-time] as per University norms.

SPM also offers short term training programmes for industry executives on need basis. SPM faculty also undertake research projects assigned to them by various agencies.

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 and Petrochemical 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 the University as Nodal agency for EOR screening. Consultancy jobs are pouring in and being undertaken in SPT with the help of in-house 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)

Sustainability and technology are the pillars for fostering an environment of innovation and cooperation in the knowledge society. After the adoption of the curriculum with the right mix of research and industry-relevant subjects taught predominantly through project-based learning in the School of Technology (SOT), the School is now embarking on a path of fostering career-building by creating opportunities that demand learning, thinking and innovation. This will therefore contribute to the process of building INDIA (**Atmanirbhar Bharat**) and thus derive pride, loyalty and emotional ownership of the new path in the School to build on the strong foundation of the last eleven years.

As jobs and industries evolve due to digital transformation, students at all stages of their lives and careers must think and act like an entrepreneur in order to thrive. SOT is now gearing to shift the paradigm and lead the change that today's environment demands and create entrepreneurial thinkers who can use business analytics to transform information into innovation and sustainability. Every student has an opportunity to transfer learning from classroom to the workplace resulting in their ability to balance action, experimentation, and creativity with a deep understanding of business fundamentals and rigorous analysis as the ideal approach to creating economic and social value. The curriculum seeks to create exceptional leaders trained to operate in today's complex business environment with three defining characteristics - **strong risk managers, exceptional uncertainty navigators and highly skilled ambiguity explorers**. The School wishes to further strengthen entrepreneurship spirit in students & faculties, greater Internationalization of PDEU and introduction of Digital transformation and Industry linked programs. In this journey the association with the PDEU.

Innovation and Incubation Center (a Nidhi Technology Business Incubator) has led to the incubation of **37** startups by **60** PDEU students & faculties with **40** IPRs.

Rapid industrialization and increasing trend of energy from hydrocarbons has resulted in huge amount of carbon dioxide (CO₂) as greenhouse gas (GHG) into the environment and are solely responsible for global warming. Decarbonization of the energy sector by adoption of renewables sources of energy and development of CO₂ sequestration (Carbon capture and storage-CCS) technologies, to achieve ZERO emissions to keep global warming below 1.5 degrees Celsius by 2050, is the way forward.

PDEU was the first institution to set up a 1 MW multi-technology Solar power plant in 2011. Interdepartmental faculty teams are now working on the big-data analytics on this plant to understand its long term behaviour and projection thereof. Further the School faculty have initiated the development of a 45MWp (annual) Solar PV module **production line** to augment its thrust towards renewable energy. The School embarked on the adoption of solar thermal energies and its optimization towards solar desalination, solar air-conditioning (vapour absorption system based) and solar drying leading to various design patents. R&D projects funded by DST, BRNS, DRDO, DBT, GUJCOST etc. lead to the development of advanced as well as inexpensive materials and systems in CO₂ reduction and capture, generating green hydrogen by photo- and electro catalytic technologies, thin film perovskite solar cells and modules, energy storage and building efficient

energy systems, and nanotechnology intervention in energy and water. The School of Technology is also extensively working in the area of energy efficient CO₂ sequestration process using liquid supported membranes which will be deployed in industries such as GAIL, OIL, EIL, NTPC, RIL etc. The School is also assisting in pre-feasibility and development of smart-grid based on solar-wind-storage based hybrid systems in the new academic block.

In association with GERMI, the SOT faculty participated in installing and developing green e-mobility charging infrastructures. Expanding the scope of renewables beyond solar the School initiated work on exploitation of offshore wind and ocean wave energy with their techno-economic assessment under the SAMUDRA Project of ISRO.

The journey in research and consultancy, despite the pandemic, during the year was very fruitful with 09 research projects worth INR 3.12 crores, consultancy from ONGC, Irrigation Department, Govt. of Gujarat, Gujarat Pollution Control Board and many other Industry around INR 1.35 crores sanctioned and 36 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 endeavors 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.

The School currently offers four year undergraduate programs in B.A. (Hons.), B.B.A.(Hons.) & B.Com.(Hons.). The Programmes cover interdisciplinary curriculum and focused exploration of specializations. The School also offers Masters Program in Public Administration, Politics and International Relations, English, Psychology, Economics, Mass Communication and Finance. The School also offers Ph.D. in the areas of Humanities, Arts, Social Sciences, Business Administration 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"> ▪ Financial Management ▪ Marketing Management ▪ Operations Management ▪ Human Resources Management 	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. (Automobile Engg.)	School of Technology
7.	B. Tech. (Electronics & Communication Engg.)	School of Technology
8.	B. Tech. (Chemical Engg.)	School of Technology
9.	B. Tech. (Information & Communication Technology)	School of Technology
10.	B. Tech. (Civil Engg.)	School of Technology
11.	B. Tech. (Electrical Engg.)	School of Technology
12.	B. Tech. (Mechanical Engg.)	School of Technology
13.	B. Tech. (Computer Engg.)	School of Technology
14.	M. Tech. (Petroleum Engineering)	School of Petroleum Technology
15.	M. Tech. (Petroleum Technology (Exploration))	School of Petroleum Technology
16.	M. Tech. (Cyber Security)	School of Technology
17.	M. Tech. (Data Sciences)	School of Technology
18.	M. Tech. (Energy and Environmental Management)	School of Technology
19.	M. Tech. (Civil Engg. (Transportation Engineering))	School of Technology
20.	M. Tech. (Mechanical Engg. (Manufacturing Engg.))	School of Technology
21.	M. Tech. (Mechanical Engg. (Design))	School of Technology
22.	M. Tech. (Chemical Engg.)	School of Technology
23.	M. Tech. (Electrical Engg. (Power Systems))	School of Technology
24.	M. Tech. (Energy Systems(Focused on Solar Energy))	School of Technology
25.	M. Tech. (Environmental Engg.)	School of Technology
26.	M. Tech. (Mechanical Engg. (Thermal))	School of Technology
27.	M. Tech. (Nuclear Science and Technology)	School of Technology

28.	M. Tech. (Civil Engg. (Infrastructure Engg. & Management))	School of Technology
29.	M.Sc. (Chemistry)	School of Technology
30.	M.Sc. (Mathematics)	School of Technology
31.	M.Sc. (Physic)	School of Technology
32.	B.A. (Hons.) / B.B.A. (Hons.)	School of Liberal Studies
33.	B.Com. (Hons.)	School of Liberal Studies
34.	B.Sc. (Hons.)	School of Liberal Studies
35.	M. A. (Economics)	School of Liberal Studies
36.	M. A. (English)	School of Liberal Studies
37.	M. A. (Mass Communication)	School of Liberal Studies
38.	M. A. (Political Science-International Relations)	School of Liberal Studies
39.	M. A. (Psychology)	School of Liberal Studies
40.	M. A. (Public Administration)	School of Liberal Studies
41.	Ph.D. programme is offered at every school of the University.	

About International Relations (OIR):

The University has established Office of International Relations (OIR) to develop global professionals by providing international educational exchange to university students and to create visibility of university in global educational scenario by collaborating with other reputed institutions and student exchange programs. Various initiatives of OIR were started with an objective to provide international orientation of educational programs and to explore international cooperation in education and research in association with international universities and industry experts.

OIR promotes relationships between foreign universities/institutions and the University, and to help define the scope of such relationships through appropriate MoUs. This involves, but is not limited to, interfacing with the appropriate authorities at the collaborating institutions on all matters defined in the scope of the MoUs, establishing and fostering linkages between researchers and experts in various areas, creating awareness about all such MoUs amongst the departments/centers/schools and students of the University to ensure their full participation in envisaged programs, etc.

OIR also promotes exchange programs for students and faculty through exchange agreements with partner institutions. OIR also invites embassies and consulates of various countries to increase educational and cultural linkages between organizations in the foreign countries and the institute.

Mission:

To develop global professionals by providing international educational exchange to the university students and to create visibility of the university in the global educational scenario by collaborating with other reputed institutes and student exchange programs.

Major Objectives:


- ✓ To provide international exposure to the students.
- ✓ To develop Study abroad program
- ✓ To develop joint research project with Universities abroad.
- ✓ To create international learning environment by inviting faculties from other international universities.
- ✓ To invite international students to take up long term and short term courses offered at the university.
- ✓ Infrastructure sharing with other international universities.
- ✓ Create a forum for knowledge sharing with other universities

Major Initiatives related to Internationalization:

Study in India Program (SIP):

To stimulate Internationalization on campus, the University 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.

The University has successfully organized 9 such SIPs with 4 unique International partners & given exposure to 120+ international students & faculties.

Study in India Program 2020-2021	
University	No. of Students & Faculties
 Edith Cowan University-Australia (Virtual Program)	18



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 the University 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.

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
FY 2020-21	24	5,59,256.00
Total	950	4,04,09,388.00

International Students 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 230+ full-time students from approx. 40 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. PDEU also hosted more than 500 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.

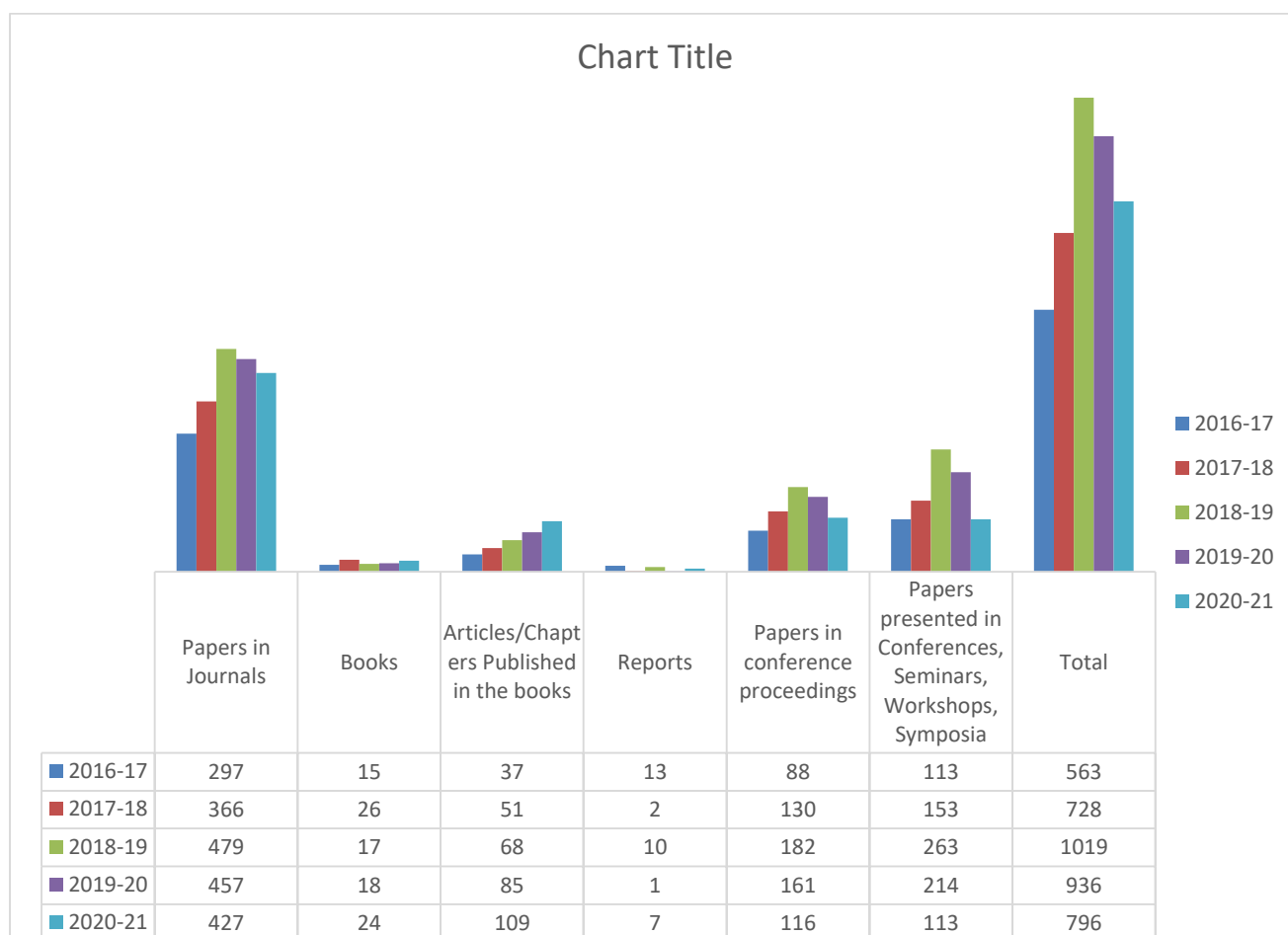
Students are getting financial support in terms of US State Department Scholarship or University Scholarship. **Till now, 18 exchange/abroad program has been conducted and total 30 students have been benefitted from this initiative.**

Semester Exchange & Abroad Program FY 2020-21			
Sr. No.	Student	Program	University
1	Manav Patel	B.Tech.	The University of Oklahoma - USA
2	Shreya Nikte	B.Tech.	The University of Oklahoma - USA
3	Raina Parekh	BA/BBA (Hons.)	University of Minnesota – USA



PUBLICATIONS

	2016-17	2017-18	2018-19	2019-20	2020-21
Papers in Journals	297	366	479	457	427
Books	15	26	17	18	24
Articles/Chapters Published in the books	37	51	68	85	109
Reports	13	2	10	1	7
Papers in conference proceedings	88	130	182	161	116
Papers presented in Conferences, Seminars, Workshops, Symposia	113	153	263	214	113
Total	563	728	1019	936	796



Papers in Journals

Sr. No.	Faculty	Title of Paper	Journal	Month	Year
1	Amit Verma	Nanoparticle-modified gemini surfactant foams as efficient displacing fluids for enhanced oil recovery	Journal of Molecular Liquids	JUL	2020
2	Anirbid B Sircar	Stochastic modeling of earth's hydrocarbon resources using artificial neural network	Modelling Earth Systems and Environment	JUL	2020
3	Anirbid B Sircar	A holistic review of hybrid renewable energy in circular economy for valorization and management	Environmental Technology and Innovation	JUL	2020
4	Anirbid B Sircar	A comprehensive review on casing while drilling technique between geothermal wells and oil & gas wells	Drilling and Exploration World	JUL	2020
5	Anu Manhas	Click Chemistry Inspired Design, Synthesis and Molecular Docking Studies of Biscoumarin Derivatives using Carbon based Acid Catalyst.	Journal of Heterocyclic Chemistry	JUL	2020
6	Ashish B Joshi	Work Climate and Wellbeing in selected Engineering Units of Bhavnagar District	Shodh Sanchar Bulletin	JUL	2020
7	Ashish B Joshi	The only panacea for survival and growth - Work Happiness : An analysis of media professionals of Saurashtra Region	Shodh Sarita	JUL	2020
8	Debasis Sarkar	Project Risk Identification and Analysis of Solar Power Plant Projects	NICMAR Journal of Construction Management	JUL	2020
9	Kiran Bhaskar Mysore	Non-contact surface roughness measurement using laser speckle technique	IOP Conference Series: Materials Science and Engineering	JUL	2020
10	Kush P Mehta	Effect of shoulder features during friction spot extrusion welding of 2024-T3 to 6061-T6 aluminium alloys	Archives of Civil and Mechanical Engineering	JUL	2020
11	Manish Kumar Sinha	Stimuli responsive mixed matrix polysulfone ultrafiltration membrane for humic acid and photocatalytic dye removal applications	Separation and Purification Technology	JUL	2020
12	Namrata Bist Rawat	Holistic review of hybrid renewable energy in circular economy for valorization and management	Environmental Technology and Innovation	JUL	2020

13	Namrata Bist Rawat	A heuristic modeling of solar-assisted earth's geothermal power production capacity	Modeling Earth Systems and Environment	JUL	2020
14	Neelam Singha	Natural Boundary Conditions for a Class of Generalized Fractional Variational Problem	Dynamics of Continuous, Discrete and Impulsive Systems, Series A	JUL	2020
15	Niyati Shah	Space and Performance: Performing Artists in the time of COVID – 19	Liberal Studies Journal (LSJ)	JUL	2020
16	Rohit Srivastava	Utilization of zeolites as CO2 capturing agents: Advances and future T perspectives	Journal of CO2 Utilization	JUL	2020
17	Sandip Jayantilal Pathak	Research Productivity Of Pandit Deendayal Petroleum University At Gandhinagar During 2008-2019: A Bibliometric Study	Towards Excellence	JUL	2020
18	Sandip Jayantilal Pathak	Koha in Centrally Funded Institute Libraries in India Excursion, Experience and Expectations: A Comparative Analysis	Liberal Studies Journal	JUL	2020
19	Sanjay Kumar Pradhan	Quadrilateral Security Dialogue and Maritime Security: An Indian Perspective	Indian Studies Review	JUL	2020
20	Sivakumar P	3-level Box–Behnken optimization of hexavalent chromium reduction by chromate resistant Trichoderma asperellum cells from simulated and industrial effluent	Environmental Technology & Innovation	JUL	2020
21	Sivakumar P	An efficient approach for rice prediction from authenticated Block chain node using machine learning technique	Environmental Technology & Innovation	JUL	2020
22	Sivakumar P	Use of waste foundry sand as a partial replacement to produce green concrete: Mechanical properties, durability attributes and its economical assessment	Environmental Technology & Innovation	JUL	2020
23	Sivakumar P	Adsorption and recyclability aspects of humic acid using nano-ZIF-8 adsorbent	Environmental Technology & Innovation	JUL	2020
24	Sivakumar P	Induction of growth and defense mechanism in rice plants towards fungal pathogen by eco-friendly	Environmental Technology & Innovation	JUL	2020

		coelomic fluid of earthworm			
25	Tawseef Ayoub Shaikh	Transfer learning privileged information fuels CAD diagnosis of breast cancer	Machine Vision and Applications	JUL	2020
26	Tejas Niranjana Dave	Determinants Of Working Capital Management: Evidence From Food & Beverages Companies – Nestle India	Palarch's Journal	JUL	2020
27	Tejas Niranjana Dave	Employee's Happiness" – Panacea For Survival And Growth In Msmes	Palarch's Journal	JUL	2020
28	Amitava Choudhury	CGI based syslog management system for virtual machines	Spatial Information Research	AUG	2020
29	Anirbid B Sircar	A heuristic modeling of solar assisted earth's geothermal power production capacity	Modelling Earth Systems and Environment	AUG	2020
30	Anirbid B Sircar	Application of Magnetotelluric (MT) study for the identification of shallow and deep and aquifers in Dholera Geothermal region,	Groundwater for sustainable development	AUG	2020
31	Anirbid B Sircar	Applications of Nanoparticles in enhanced oil recovery	Petroleum Research	AUG	2020
32	Ashutosh Muduli	Social Media Recruitment: The Role of Credibility and Satisfaction	Evidence-based HRM: a global forum for empirical scholarship	AUG	2020
33	Chaitanya Vyas	Estimating supply chain length: A study on biscuit companies	International Journal of Applied Research	AUG	2020
34	Chandra Shekhar Nishad	Gravity wave interaction with a floating wave attenuating system	Applied Ocean Research	AUG	2020
35	Chandra Shekhar Nishad	Gravity wave interaction with multiple submerged artificial reefs	Proceedings of the iMeche, Part M: Journal of Engineering for the Maritime Environment	AUG	2020
36	Debasis Sarkar	Organization management and optimization of ready mixed concrete delivery for commercial batching plants of Western India	International Journal of Project Organization and Management	AUG	2020
37	Garlapati Nagababu	Wave resource assessment and wave energy exploitation along the Indian coast	Ocean Engineering	AUG	2020
38	Hari S	Wire arc additive manufacturing of functionally graded material for marine	Materials Science and Engineering: A	AUG	2020

		risers			
39	Kalisadhan Mukherjee	Case study on the use of image analysis for the simple and inexpensive colorimetric detection of Fe(III) in water	Analytical Methods - Royal Society of Chemistry	AUG	2020
40	Kaushal Kishore	Investigating the Factors Influencing Consumers' Purchase Intention for Electric Cars: An Emerging Market Perspective	International Journal of Economics and Business Research, Volume 20, No.2, August 2020, (ABDC-C Category & Scopus Indexed Journal)	AUG	2020
41	Kush P Mehta	Processing and evaluation of dissimilar Al-SS friction welding of pipe configuration: Nondestructive inspection, properties, and microstructure	Measurement	AUG	2020
42	Kush P Mehta	Effect of materials positioning on dissimilar modified friction stir clinching between aluminum 5754-O and 2024-T3 sheets	Vacuum	AUG	2020
43	Manan Rajiv Shah	Transforming petroleum downstream sector through big data: a holistic review	Journal of Petroleum Exploration and Production Technology, Springer	AUG	2020
44	Manan Rajiv Shah	Biophysical economics and management of biodiesel, a harbinger of clean and sustainable energy	International Journal of Energy and Water Resources, Springer	AUG	2020
45	Maunish Sanjaybhai Shah	Mechanistic study on silica nanoparticles-assisted guar gum polymer flooding for enhanced oil recovery in sandstone reservoirs	Colloids and Surfaces A: Physicochemical and Engineering Aspects	AUG	2020
46	Md. Sharifuddin Ansari	Comparative study of some spectral based methods for solving boundary layer flow problems	AIP Conference proceedings	AUG	2020
47	Md. Sharifuddin Ansari	Inclined Magnetic Field Effect on Casson Nanofluid Flow in a Porous medium with Joule and Viscous Dissipations	Special Topics & Reviews in Porous Media-An International Journal	AUG	2020
48	Nirav P Patel	Bending analysis of a symmetric laminated composite plate containing a polygonal shaped cut-out	Materials Today	AUG	2020

49	Nishant Doshi	Discussion on “Actuator Placement for Enhanced Grid Dynamic Performance: A Machine Learning Approach”	IEEE Transactions on Power Systems	AUG	2020
50	Pankaj Kumar Yadav	Interpretation of Resistance, Capacitance, Defect Density, and Activation Energy Levels in Single-Crystalline MAPbI ₃	The Journal of Physical Chemistry C	AUG	2020
51	Pankaj Kumar Yadav	A Dopant-Free Hole Transporting Layer for Efficient and Stable Planar Perovskite Solar Cells	Phys. Status Solidi RRL 2020	AUG	2020
52	Pankaj Kumar Yadav	Elucidation of the Role of Guanidinium Incorporation in Single-Crystalline MAPbI ₃ Perovskite on Ion Migration and Activation Energy	Physical Chemistry Chemical Physics	AUG	2020
53	Pankaj Kumar Yadav	Current scenario of CNG vehicular pollution and their possible abatement technologies: an overview	Environmental Science and Pollution Research	AUG	2020
54	Rohit Srivastava	Highly efficient ternary hierarchical NiV ₂ S ₄ nanosphere as hydrogen evolving electrocatalyst	International Journal of Hydrogen Energy	AUG	2020
55	Sivakumar P	Study on the effects of initial pH , temperature and agitation speed on lipid production by <i>Yarrowia lipolytica</i> and <i>Chlorella vulgaris</i> using sago wastewater as a substrate	Tierärztliche Praxis	AUG	2020
56	Sivakumar P	Electromagnetic heating, an eco-friendly method to enhance heavy oil production: A review of recent advancements	Environmental Technology & Innovation	AUG	2020
57	Sreejith R.	Sensorless Predictive Control of SPMSM driven Light EV Drive using Modified Speed Adaptive Super Twisting Sliding Mode Observer with MAF-PLL	IEEE Journal of Emerging and Selected Topics in Industrial Electronics	AUG	2020
58	Surendra Sasi kumar Jampa	Adsorption and recyclability aspects of humic acid using nano-ZIF-8 adsorbent	Environmental Technology & Innovation	AUG	2020
59	Swapnil Dharaskar	Determination of fluoride removal using silica nano adsorbent modified by rice husk from water	Groundwater for Sustainable Development	AUG	2020
60	venkat Ram Reddy Minampati	Use of ICT in Police Forces : Focus on National Police Information and Convergence Network	Wesleyan Journal of Research,	AUG	2020

61	Venkat Ram Reddy Minampati	Rural Development @digital Innovation: Sabarkantha and Special reference to Akodra & Punsari Villages	Journal of Critical Review	AUG	2020
62	Vinay Vakharia	Indian Journal of Engineering & Materials Sciences Vol. 27, August 2020, pp. 878-888 Diagnosis of bearing faults using multi fusion signal processing techniques and mutual information	Indian Journal of Engineering & Materials Science	AUG	2020
63	Vipin S. Shukla	Prediction of Axial Variation of Plasma Potential in Helicon Plasma Source Using Linear Regression Techniques	International Journal of Mathematical, Engineering and Management Sciences	AUG	2020
64	Vishvesh Jayantbhai Badheka	Processing and evaluation of dissimilar Al-SS friction welding of pipe configuration: Nondestructive inspection, properties, and microstructure	Measurement	AUG	2020
65	Vivek Jayantkumar Pandya	A phasor-distance based faulty phase detection and fault classification technique for parallel transmission lines	International Journal of Emerging Electric Power Systems	AUG	2020
66	Vivek K. Patel	Qualitative and Quantitative Performance Comparison of Recent Optimization Algorithms for Economic Optimization of the Heat Exchangers	Archives of Computational Methods in Engineering	AUG	2020
67	Anu Manhas	Identification of the natural compound inhibitors against Plasmodium falciparum plasmepsin-II via common feature based screening and molecular dynamics simulations.	Journal of Biomolecular Structure and Dynamics	SEP	2020
68	Ashish Prabhudas Unnarkat	Ethylbenzene oxidation using cobalt oxide supported over SBA-15 and KIT-6	Material Today Proceedings	SEP	2020
69	Ashutosh Muduli	Training transfer climate: Examining the role of high performance work system and organizational performance	Benchmarking: an International Journal	SEP	2020
70	Brijesh Tripathi	Investigating the effect of quantized confining energy on the quantum coulomb blockade phenomena in single-electron transistor	Solid State Communications	SEP	2020

71	Chandra Shekhar Nishad	Wave Scattering by Trapezoidal Porous Boxes using Dual Boundary Element Method	Ocean Engineering	SEP	2020
72	Chandra Shekhar Nishad	Scattering of gravity waves by a pontoon type breakwater with a series of pervious and impervious skirt walls	Ships and Offshore Structures	SEP	2020
73	Divi Sriram	Stigma and Discrimination associated with Drug Resistant Tuberculosis: A Study of Ahmedabad, Gujarat	Wesleyan Journal of Research, Vol 13 No 16	SEP	2020
74	Hargeet Kaur	Nonlocality, entanglement, and randomness in different conflicting interest Bayesian games	Quantum Information and Computation	SEP	2020
75	Kalisadhan Mukherjee	Structural Features and Optical Properties of $\text{CH}_3\text{NH}_3\text{Pb}(1-x)\text{Sn}_x\text{Cl}_3$ Thin-Film Perovskites for Photovoltaic Applications	Journal of Electronic Materials	SEP	2020
76	Manan Rajiv Shah	Systematic review and meta-analysis of augmented reality in medicine, retail, and games	Visual Computing for Industry, Biomedicine, and Art, Springer	SEP	2020
77	Manish Kumar Sinha	Evaluation of Reaction Kinetics for Removal of NO_x by Ozone and Hydrogen Peroxide	Industrial & Engineering Chemistry Research	SEP	2020
78	Manoj Sahni	An Inventory Model on Preservation Technology with Trade Credits under Demand Rate Dependent on Advertisement, Time and Selling Price	Universal Journal of Accounting and Finance	SEP	2020
79	Maunish Sanjaybhai Shah	Experimental and simulation studies for optimization of water-alternating-gas (CO_2) flooding for enhanced oil recovery	Petroleum Research	SEP	2020
80	Mohendra Roy	ADIC: Anomaly Detection Integrated Circuit in 65-nm CMOS Utilizing Approximate Computing	IEEE Transactions on Very Large Scale Integration (VLSI) Systems	SEP	2020
81	Nirav P Patel	Numerical investigation of Fibonacci series based bio-inspired laminates under impact loading	Composite Structure	SEP	2020
82	Nishant Doshi	Secure Lightweight Key Exchange Using ECC for User-Gateway Paradigm	IEEE Transactions on Computers	SEP	2020

83	Pankaj Kumar Yadav	Photovoltaic Performance of Porphyrin-Based Dye-Sensitized Solar Cells with Binary Ionic Liquid Electrolytes	Energy Technologies	SEP	2020
84	Pankaj Kumar Yadav	Gold Nanoparticles Functionalized with Fullerene Derivative as an Effective Interface Layer for Improving the Efficiency and Stability of Planar Perovskite Solar Cells	Adv. Mater. Interfaces	SEP	2020
85	Pankaj Kumar Yadav	Surface Treatment of Perovskite Layer with Guanidinium Iodide Leads to Enhanced Moisture Stability and Improved Efficiency of Perovskite Solar Cells	Adv. Mater. Interfaces	SEP	2020
86	Praghmesh Bhatt	Supervised relevance vector machine based dynamic disturbance classifier for series compensated transmission line	International Transactions on Electrical Energy Systems	SEP	2020
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88	Rutvij H Jhaveri	An enhanced approach for three factor remote user authentication in multi - server environment	Journal of Intelligent & Fuzzy Systems (iOS Press)	SEP	2020
89	Simran Jeet Singh	Vibration characteristics of porous FGM plate with variable thickness resting on Pasternak's foundation	European Journal of Mechanics - A/Solids	SEP	2020
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93	Vivek Jayantkumar Pandya	Feasibility Studies of the Storage Devices with the Photovoltaic Systems – A Perspective	Trends in Electrical Engineering-STM Journals	SEP	2020

94	Vivek K. Patel	Analysis and assessment of a nanoparticle seeded small scale absorption refrigeration system driven by a low-grade waste heat source	Heat Transfer	SEP	2020
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96	Anirbid B Sircar	Energy and exergy assessments of Organic Rankine Cycle	Drilling and Exploration World	OCT	2020
97	Brajesh Kumar Jha	Mathematical Modeling of Calcium Oscillatory Patterns in a Neuron	Interdisciplinary Sciences Computational Life Sciences, Springer, SCI, IF: 1.512	OCT	2020
98	Debasis Sarkar	Application of fuzzy TOPSIS method for risk evaluation in development and implementation of solar park in India	International Journal of Construction Management	OCT	2020
99	Fiyanshu Kaka	Investigation of process-structure-property relationship in ternary organic photovoltaics	Journal of Applied Physics	OCT	2020
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104	Manan Rajiv Shah	Potential of Ag-Fe co-doped TiO ₂ nanocomposite for solar photocatalysis of high COD pharmaceutical effluent and influencing factors	Energy Ecology and Environment, Springer	OCT	2020

105	Manan Rajiv Shah	Characterisation and bioremediation of wastewater: A review exploring bioremediation as a sustainable technique for pharmaceutical wastewater	Groundwater for Sustainable Development, Elsevier	OCT	2020
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108	Namrata Bist Rawat	Energy and exergy assessments of Organic Rankine Cycle	DEW	OCT	2020
109	Pankaj Kumar Yadav	Efficient Perovskite Solar Cells Based on CdSe/ZnS Quantum Dots Electron Transporting Layer with Superior UV Stability	Phys. Status Solidi RRL 2020	OCT	2020
110	Pankaj Kumar Yadav	Suppressing recombination in perovskite solar cells via surface engineering of TiO ₂ ETL	Solar Energy	OCT	2020
111	Pravin Kodgire	Combustion investigation of ternary blend mixture of biodiesel/n-butanol/diesel: CI engine performance and emission control	Renewable and Sustainable Energy Reviews	OCT	2020
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113	Rajib Bandyopadhyay	Structural and composition enhancement of Indian Kachchh kaolin clay: characterisation and application as low-cost catalyst	Indian Chemical Engineer	OCT	2020
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115	Rohit Srivastava	Recent Advances in Electrochemical Water Splitting and Reduction of CO ₂ into Green Fuels on 2D Phosphorene- Based Catalyst	Energy Technology	OCT	2020

116	S. Venkata Krishnan	Transparency in Faculty Profile–Evidences from Higher Education Institutions of Tamil Nadu, India	Shodh Sanchar Bulletin - Journal of Arts, Humanities and Social Science	OCT	2020
117	Sandip Jayantilal Pathak	Theft and Mutilation of Library Resources in University Libraries of Theft and Mutilation of Library Resources in University Libraries of India: A Study	Library Philosophy and Practice (e-journal)	OCT	2020
118	Santosh Kumar Bharti	Heart Disease Prediction using Machine Learning Techniques	SN Computer Science	OCT	2020
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126	Vipindas K	An insight into microstructure and machining performance of deep cryogenically treated cemented carbide inserts	Journal of Manufacturing Processes	OCT	2020

127	Vishal Ashok Wankhede	Analysing the roadblocks of circular economy adoption in the automobile sector: Reducing waste and environmental perspectives	Business Strategy and Environment, Wiley	OCT	2020
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129	Vivek V. Patel	Experimental Investigation of Flat Plate Cryogenic Oscillating Heat Pipe	Journal of Low Temperature Physics	OCT	2020
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131	Anirbid B Sircar	Geothermal-Solar Integrated Groundwater Desalination System: Current Status and Future Perspective	Groundwater for sustainable Development	NOV	2020
132	Anu Manhas	Biscoumarin Derivatives as Potent anti-Microbials: Graphene Oxide Catalyzed Eco-Benign Synthesis, Biological Evaluation and Docking Studies.	Polycyclic Aromatic Compounds	NOV	2020
133	Ashutosh Muduli	Factors Influencing Graduate Job Choice - A Systematic Literature Review	European Journal of Training and Development	NOV	2020
134	Balanagulu Busupalli	Correction to "Solvent-Less Solid State Synthesis of Dispersible Metal and Semiconducting Metal Sulfide Nanocrystals"	ACS Sustainable Chemistry & Engineering	NOV	2020
135	Brijesh Tripathi	Electro-analytical comparison of commercial mono-crystalline silicon and PERC solar cells to maximize performance	Engineering Research Express	NOV	2020
136	Chandra Shekhar Nishad	Wave interaction with multiple wavy porous barriers using Dual Boundary Element Method	Engineering Analysis with Boundary Elements	NOV	2020
137	Daya Shankar Kaul	Synthesis and characterization of high saline water resistant sulfur composite from petrochemical waste	International Journal of Green Chemistry	NOV	2020
138	Divi Sriram	Public Health Policies In India: Preventive And Promotive Health To Universal Health Care (Ugc Care)	Bihar Journal of Public Administration (UGC CARE)	NOV	2020
139	Divi Sriram	Mapping Students' Decision Making Process across	Universal Journal of Educational	NOV	2020

		University Ranking Parameters: A Quantitative Study (Scopus)	Research (Scopus)		
140	Garlapati Nagababu	Optimization of microwave power and graphite susceptor quantity for waste polypropylene microwave pyrolysis	Process Safety and Environmental Protection	NOV	2020
141	Hardik Kirtanbhai Jani	A comprehensive review of wind-solar hybrid energy policies in India: Barriers and Recommendations	Renewable Energy Focus	NOV	2020
142	Hari S	Electromagnetic heating, an eco-friendly method to enhance heavy oil production: A review of recent advancements	Environmental Technology & Innovation	NOV	2020
143	Jaykumar J Vora	Unravelling camphor mediated synthesis of TiO ₂ nanorods over shape memory alloy for efficient energy harvesting	Applied Surface Science	NOV	2020
144	Jaykumar J Vora	Effect of WEDM Process Parameters on Surface Morphology of Nitinol Shape Memory Alloy	Materials	NOV	2020
145	Krunal Mahendra Mehta	Different reinforcement strategies of hybrid surface composite AA6061/(B ₄ C+MoS ₂) produced by friction stir processing	Materialwissenschaft und Werkstofftechnik	NOV	2020
146	Manan Rajiv Shah	Comprehensive review of text-mining applications in finance	Financial Innovation, Springer	NOV	2020
147	Manan Rajiv Shah	Denouements of machine learning and multimodal diagnostic classification of Alzheimer's disease	Visual Computing for Industry Biomedicine and Art, Springer	NOV	2020
148	Pavan Kumar Gurralla	Finite element analysis of fused filament extrusion build part using different build orientation	Materials Today: Proceedings	NOV	2020
149	Rakesh Vasant Chaudhari	Unravelling Camphor mediated synthesis of TiO ₂ nanorods over shape memory alloy for efficient energy harvesting	Applied Surface Science, Elsevier	NOV	2020
150	Rakesh Vasant Chaudhari	Effect of WEDM Process Parameters on Surface Morphology of Nitinol Shape Memory Alloy	Materials, MDPI	NOV	2020

151	Samir B. Patel	Heart Disease Prediction using Machine Learning Techniques	SN Computer Science, Springer Nature, Singapore, Vol 1, Issue 6	NOV	2020
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153	Sanjay Kumar Pradhan	Space Security: National and International Pursuits of India	World Focus	NOV	2020
154	Shanker Krishna	Electromagnetic heating, an eco-friendly method to enhance heavy oil production: A review of recent advancements	Environmental Technology & Innovation	NOV	2020
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162	Vivek Kumar	Dynamic Performance of an Externally Pressurized Porous Thrust Bearing Employing Different Pocket Shape	Tribology Online	NOV	2020
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		(Na ⁺ -PAA) in dilute aqueous solution			
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167	Anirbid B Sircar	Geochemical characterization of geothermal spring waters occurring in Gujarat, India	International Journal of Energy and Water Resources	DEC	2020
168	Ashish B Joshi	Determinants of Working Capital Management : Evidence from food and beverages companies Nestle India	PalArch's Journal of Archaeology of Egypt / Egyptology	DEC	2020
169	Ashish B Joshi	Employee Happiness - Panacea for survival and growth in MSMEs	PalArch's Journal of Archaeology of Egypt / Egyptology	DEC	2020
170	Ashutosh Muduli	Role of E learning technology and Culture on Learning agility: An Empirical study	Human Systems Management	DEC	2020
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173	Debasis Sarkar	Socio-Economic Feasibility Analysis for Sustainable Mass Rapid Transit Project in Western India	Journal of Construction in Developing Countries	DEC	2020
174	Dhananjaya H R	Influence of Web Ratio on Strength and Displacement Characteristics of a Steel Corrugated Web Plate Girder	Solid State Technology	DEC	2020
175	Dhruvesh P Patel	Comparative analysis of 1D hydrodynamic flood modeling using Globally available DEMs- A case of the coastal region	International Journal of Hydrology Science and Technology	DEC	2020
176	Divi Sriram	"Capacity Development among the Employees and Their Role in Service Delivery: An Empirical Study from Afghanistan" (UGC CARE)	Administrative Development (UGC CARE)	DEC	2020

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179	Garlapati Nagababu	Recovery of Renewable Aromatic and Aliphatic Hydrocarbon Resources from Microwave Pyrolysis/Co-Pyrolysis of Agro-residues and Plastics Wastes	Bioresource Technology	DEC	2020
180	KISHAN ASHOK FUSE	Hybrid Self-Reacting Friction Stir Welding of AA 6061-T6 Aluminium Alloy with Cooling Assisted Approach	Metals	DEC	2020
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183	Manan Rajiv Shah	Artificial cognition for applications in smart agriculture: A comprehensive review	Artificial Intelligence in Agriculture, Elsevier, Keai	DEC	2020
184	Manan Rajiv Shah	Optimization of Smart Traffic Governance System Using Artificial Intelligence	Augmented Human Research, Springer	DEC	2020
185	Manan Rajiv Shah	Buildout of Methodology for Meticulous Diagnosis of K-Complex in EEG for Aiding the Detection of Alzheimer's by Artificial Intelligence	Augmented Human Research, Springer	DEC	2020
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196	Manoj Sahni	Modelling Of Mechanical Vibrating System In Classical And Fuzzy Environment Using Sumudu Transform Method	Structural Integrity and Life	DEC	2020
197	Manoj Sahni	Analysis Of Creep Stresses In Thin Rotating Disc Composed Of Piezoelectric Material	Structural Integrity and Life	DEC	2020
198	Manoj Sahni	Sumudu Transform for Solving Second Order Ordinary Differential Equation under Neutrosophic Initial Conditions	Neutrosophic Sets and Systems,	DEC	2020
199	Manoj Sahni	Thermo-Mechanical Analysis Of Sandwich Cylinder With Middle Fgm And Boundary Composite Layers	Structural Integrity and Life	DEC	2020
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208	Sukanta Kumar Dash	Energy reduction and improved product recovery with enhanced safety of industrial scale propane-propylene separation process	International Journal of Energy Research	DEC	2020
209	Sukanta Kumar Dash	Analysis of equilibrium CO ₂ solubility in aqueous APDA and its potential blends with AMP/MDEA for postcombustion CO ₂ capture	International Journal of Energy Research	DEC	2020
210	Sweta Chetananand Balchandani	COSMO-RS Analysis of CO ₂ Solubility in N.Methyldiethanolamine, Sulfolane, and 1-Butyl-3-methyl-imidazolium Acetate Activated by 2-Methylpiperazine for Postcombustion Carbon Capture	ACS Omega	DEC	2020
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394	Sweta Chetananand Balchandani	Stimulation of CO ₂ solubility in reversible ionic liquids activated by novel 1-(2-aminoethyl piperazine) and bis (3-aminopropyl) amine	Separation and Purification Technology	MAY	2021
395	Tapan Kumar Pal	Solvothermal Synthesis of High-Performance d10-MOFs with Hydrogel Membranes @ “Turn-On” Monitoring of Formaldehyde in Solution and Vapor Phase	ACS Appl. Mater. Interfaces	MAY	2021
396	Tawseef Ayoub Shaikh	“An Intelligent Healthcare System for Automated Alzheimer’s Disease Prediction and Personalized Care	International Journal of Next-Generation Computing	MAY	2021
397	Vishvesh Jayantbhai Badheka	Improvement of the Machining Performance of the TW-ECDM Process Using Magnetohydrodynamics (MHD) on Quartz Material	Materials 2021, 14, 2377	MAY	2021
398	Anirbid B Sircar	Analysis of wellbore stability by pore pressure prediction using seismic velocity	Energy Geoscience	JUN	2021
399	Anirbid B Sircar	Application of machine learning and artificial intelligence in oil and gas industry	Petroleum Research	JUN	2021
400	Ashvin R Dave	The Association Among Working Capital Management	Bioscience Biotechnology	JUN	2021

		and Profit ability of Telecommunication firms	Research Communications,		
401	Ashvin R Dave	The Empirical study of Association of Capital structure and Profitability of Telecommunication firms	Bioscience Biotechnology Research Communications,	JUN	2021
402	Brajesh Kumar Jha	On a Reaction-Diffusion Model for Calcium Dynamics in Neurons with Mittag-Leffler Memory	The European Physical Journal Plus, SCI IF: 3.228	JUN	2021
403	Brajesh Kumar Jha	On finite element estimation of calcium advection diffusion in a multipolar neuron	Journal of Engineering Mathematics, Springer SCI IF: 1.434	JUN	2021
404	Chandra Shekhar Nishad	Dual BEM for Wave Scattering by a H-Type Porous Barrier with Nonlinear Pressure Drop	Engineering Analysis with Boundary Elements	JUN	2021
405	Chandra Shekhar Nishad	Hydrodynamic analysis of a seaside quarter-circular breakwater with an array of porous cages using DBEM	Coastal Engineering Journal	JUN	2021
406	Chandra Shekhar Nishad	Dual Boundary Element Analysis for a Pair of Inverted T-type Porous Barriers having Nonlinear Pressure Drop	Waves in Random and Complex Media	JUN	2021
407	Debabrata Swain	A Novel Threshold based Method for Vessel Intensity Detection and Extraction from Retinal Images	International Journal of Advanced Computer Science and Applications,	JUN	2021
408	Jaykumar J Vora	Optimization of Activated Tungsten Inert Gas Welding Process Parameters Using Heat Transfer Search Algorithm: With Experimental Validation Using Case Studies	Metals	JUN	2021
409	Kiran Bhaskar Mysore	Analyzing the effects of machining parameters on surface roughness of machined surfaces using vision system	Materials Today Proceedings	JUN	2021
410	Manan Rajiv Shah	Integrating machine learning and blockchain to develop a system to veto the forgeries and provide efficient results in education sector	Visual Computing for Industry, Biomedicine, and Art, Springer	JUN	2021
411	MD Aurangzeb	Impact Of Coal Mining On Airborne Particles Based On Real-Time Data	Pollution Research	JUN	2021

412	Namrata Bist Rawat	Application of machine learning and artificial intelligence in oil and gas industry	Petroleum Research	JUN	2021
413	Nishant Doshi	LDA-IoT: a level dependent authentication for IoT paradigm	Information Security Journal: A Global Perspective	JUN	2021
414	Prahlad Kumar Baruah	Role of water temperature in laser induced breakdown at nickel-water interface for generation of nickel oxide nanocolloids	International Journal of Nanotechnology	JUN	2021
415	Rajeev Kumar Gupta	Novel deep neural network technique for detecting environmental effect of COVID-19	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	JUN	2021
416	Rajesh Patel	Techno-economic analysis of district cooling system: A case study	Journal of Cleaner Production	JUN	2021
417	Rakesh Vasant Chaudhari	Optimization of Activated Tungsten Inert Gas Welding Process Parameters Using Heat Transfer Search Algorithm: With Experimental Validation Using Case Studies	Metals, MDPI	JUN	2021
418	Ranjan Kumar Pati	Effect of copper pretreatment on optical and electrical properties of camphor-based graphene by chemical vapour deposition	Journal of Materials Science: Materials in Electronics	JUN	2021
419	Rohit Srivastava	Study of regional heterogeneity of cloud properties during different rainfall scenarios over monsoon dominated region	Journal of Water and Climate Change	JUN	2021
420	Rutvij H Jhaveri	Comparing and Analyzing Applications of Intelligent Techniques in Cyberattack Detection	Security and Communication Networks	JUN	2021
421	Suriapparao DV	Biomass waste conversion into value-added products via microwave-assisted Co-Pyrolysis platform	Renewable Energy	JUN	2021
422	Swapnil Dharaskar	Optimization of fluoride removal by Al doped ZnO nanoparticles using response surface methodology from groundwater	Chemosphere	JUN	2021
423	Swapnil Dharaskar	A holistic review on application of green solvents	Biomass Conversion and Biorefinery	JUN	2021

		and replacement study for conventional solvents			
424	Tapan Kumar Pal	Synthesis, spectroscopic characterization, and SC-XRD study of one privileged heteronuclear Ni (II)/Hg (II)-Salen complex: An exclusive DFT outlook	Inorganic Chemistry Communications	JUN	2021
425	Tejas Niranjana Dave	An Empirical Study Unfolding the Hiatus in Creating Awareness Regarding Green Products Among Retailers of Gujarat	BBRC	JUN	2021
426	Tejas Niranjana Dave	Impact of Green E-Advertisements Upon FMCG Consumers of Gujarat	BBRC	JUN	2021
427	Vishvesh Jayantibhai Badheka	Dual sided composite formation in Al 6061/B4C using novel bobbin tool friction stir processing	Journal of Materials Research and Technology	JUN	2021

Books

Sr. No.	Faculty	Title	Month	Year
1	Divi Sriram	Rural Development: Government Initiatives and Public Perception An Impact Assessment study of Vrundavan Gram Yojana, Gujarat	AUG	2020
2	Neeta Avtar Khurana	Rural Development: Government Initiatives and Public Perception An Impact Assessment study of Vrundavan Gram Yojana, Gujarat	AUG	2020
3	Ritu Sharma	Rural Development: Government Initiatives and Public Perception	AUG	2020
4	Rutvij H Jhaveri	Routing in Mobile Ad-Hoc Networks	AUG	2020
5	Nausheen Nizami	Behavioural Interventions for Departmental Workshops: Inspirations from nudge theory	DEC	2020
6	Jitendra G. Jamnani	Elements of Electrical Design	JAN	2021
7	Praghresh Bhatt	Futuristic Trends in Numerical Relaying for Transmission Line Protections	JAN	2021
8	Rohit Srivastava	Nano-catalysts for Energy Applications	JAN	2021
9	Syed Shahabuddin	Advances in Hybrid Conducting Polymer Technology	JAN	2021
10	Nishant Doshi	Fundamentals Of Database Systems Hindi	FEB	2021
11	Amitava Choudhury	Agricultural Informatics: Automation Using the IoT and Machine Learning	MAR	2021
12	Amrita Chakraborty	Digital India on Twitter	MAR	2021
13	Ashish B Joshi	Entrepreneurship Management	MAR	2021
14	Brajesh Kumar Jha	Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy. Proceedings of the First International Conference, MMCITRE 2020	MAR	2021
15	Chaitanya Vyas	Communication in Corporate Climate	MAR	2021
16	Divi Sriram	Gramin Vikas: Sarkari Pahel yaane jaher samajye	MAR	2021
17	Kumar Srivastava Anurag	Service Quality Management Through E-Governance: A Comparative Analysis From India	MAR	2021

18	Manoj Sahni	Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy, Proceedings of the First International Conference, MMCITRE2020	MAR	2021
19	Neeta Avtar Khurana	Gramin Vikas: Sarkari Pahel ane jaher samajhan	MAR	2021
20	Nishant Doshi	My Experiments with Database Management System : Part II	MAR	2021
21	Urmi Satyan Dave	Communication in Corporate Climate	MAR	2021
22	Anirbid B Sircar	Shale Gas: Potential in Cambay Basin	APR	2021
23	Pramod Damodar Paliwal	Natural Gas Transmission And Distribution Business-Special Indian Edition	MAY	2021
24	Sudhir Yadav	Natural Gas T & D Business (Special Indian Edition)	MAY	2021

Articles/Chapters Published in the books

Sr. No.	Faculty	Title	Month	Year
1	Dhruvesh P Patel	Application of RS and GIS for Locating Rainwater Harvesting Structure System	JUL	2020
2	Neeta Sinha	Work Life Balance And Organizational Culture: From The Perspective Of Millennial Males	JUL	2020
3	Garlapati Nagababu	Offshore wind energy: Resource assessment	AUG	2020
4	Jaykumar J Vora	A Review of Challenges to Hastelloy–C Series Weld Overlay	AUG	2020
5	Jaykumar J Vora	A Review on Applications of Nitinol Shape Memory Alloy	AUG	2020
6	Paawan Sharma	Application of Data Mining in Smart Grid Technology	AUG	2020
7	Samir B. Patel	A Real-Time Sentiments Analysis System Using Twitter Data	AUG	2020
8	Urmi Satyan Dave	Psychological Resilience and Immunity in Verginia Woolfs Mrs. Dalloway	AUG	2020
9	V S K V Harish	Offshore Wind Energy: Resource Assessment	AUG	2020
10	V S K V Harish	Grid Integration of Wind Energy Conversion Systems	AUG	2020
11	Abhishek Kumar	Quartz Micro-Machining Using Wire-Electrochemical Spark Machining Process	SEP	2020

12	Rajesh Shriramsa Gujar	Modeling and Prediction of Freight Delivery for Blocked and Unblocked Street Using Machine Learning Techniques	SEP	2020
13	Swapnil Dharaskar	Synthesis of silver nanoparticles by using soluble starch and its application in detection of Hg ²⁺ ions from wastewater	SEP	2020
14	Tanushri Arindam Banerjee	Designing a Business Analytics Culture in Organizations in India	SEP	2020
15	Leena Santosh	Impact of Growing Share of Renewable Energy Sources on Locational Marginal Prices	OCT	2020
16	Parth Prajapati	An Experimental and CFD Analysis on Heat Transfer and Fluid Flow Characteristics of a Tube Equipped with X-Shaped Tape Insert in a U-Shaped Heat Exchanger	OCT	2020
17	Rajat Saxena	PCM incorporated bricks: A passive alternative for thermal regulation and energy conservation in buildings for Indian conditions	OCT	2020
18	Sitakanta Mishra	Indias tryst with Multilateral Nuclear Regimes: The Way Forward	OCT	2020
19	V S K V Harish	10 Smart Energy Control and Comfort Management in Buildings	OCT	2020
20	V S K V Harish	11 Building to Grid integration for smart grids	OCT	2020
21	Vishal Ashok Wankhede	Innovation for Smart Factories	OCT	2020
22	Jaykumar J Vora	Optimization of Parameters of Spark Erosion Based Processes	NOV	2020
23	Rajesh Patel	An Overview on the Prominence of Phase Change Material Based Battery Cooling and Role of Novel Composite Phase Change Material in Future Battery Thermal Management System	NOV	2020
24	Rakesh Vasant Chaudhari	Optimization of Parameters of Spark Erosion Based Processes	NOV	2020
25	Swapnil Dharaskar	Applications of Smart polymers in nanomedicine	NOV	2020
26	Dhruvesh P Patel	Drainage Network Analysis to Understand the Morphotectonic Significance in Upper Tuirial Watershed, Aizawl, Mizoram	DEC	2020
27	Divi Sriram	COVID-19 and Problems of Elderly in India	DEC	2020
28	Ganga Prasad Pandey	Special Techniques of Printed Antenna	DEC	2020
29	Ganga Prasad Pandey	Circularly Polarized Printed Antennas	DEC	2020

30	Kishan Ashok Fuse	Applicability of Bobbin Tool Friction Stir Welding for Dissimilar Al-Mg Joint	DEC	2020
31	Manish Kumar Sinha	Humic Acid Removal from Water Using Hydrophilic Polysulfone Membrane	DEC	2020
32	Ronak Omprakash Motiani	Incorporation of Anatase-TiO ₂ in cement to enhance the self-cleaning and mechanical properties: A systematic study	DEC	2020
33	Amit V. Sant	Grid integration of wind energy conversion systems	JAN	2021
34	Amit V. Sant	Grid integration of wind energy conversion systems	JAN	2021
35	Amrita Chakraborty	Uncovering the Twitter Priority of Digital India Initiative over a Period (November 21, 2016 to November 20, 2017)	JAN	2021
36	Jigarkumar Harshadkumar Shah	Smart Ecosystem to Facilitate the Elderly in Ambient Assisted Living	JAN	2021
37	Jigarkumar Harshadkumar Shah	Neuromorphic Computing in Speech Recognition Using Nano-Devices	JAN	2021
38	Kiran Bhaskar Mysore	Internet of things Use cases and guidelines for successful implementation	JAN	2021
39	Manan Rajiv Shah	Nanotechnology: A Scope for a Sustainable Future	JAN	2021
40	Parth Prajapati	Review of Solar Powered Organic Rankine Cycle for Indian Conditions	JAN	2021
41	Pramod Damodar Paliwal	NEP 2020: Elementary English Education	JAN	2021
42	Simran Jeet Singh	Effect of Foundation on Free Vibration of Tapered Functionally Graded Material Plate	JAN	2021
43	Simran Jeet Singh	Free Vibration Analysis of Sandwich Plate with Honeycomb Core and FGM Face Sheets	JAN	2021
44	Ankush Raje	Unsteady Magnetohydrodynamic Flow of Two Immiscible Fluids Through a Pipe in Presence of Heat Transfer	FEB	2021
45	Dishant M. Pandya	Einstein's Cluster Demonstrating a Stable Relativistic Model for Strange Star SAX J1808.4-3658	FEB	2021
46	Jigarkumar Harshadkumar Shah	Hybrid User Clustering-based Travel Planning System for Personalized Point-of-Interest Recommendation	FEB	2021
47	Pankaj Sahlot	A Review on Wire Arc Additive Manufacturing: Effect of Process Parameters on the Build Material Properties	FEB	2021

48	Pankaj Sahlot	Thermal Modeling of Laser Powder-Based Additive Manufacturing Process	FEB	2021
49	Rohit Srivastava	Design of Alloy Electrocatalysts for Oxygen Reduction Reaction from First-Principles Viewpoint	FEB	2021
50	Rohit Srivastava	Strategies in Nanocatalyst towards Water Splitting and Reduction of CO ₂	FEB	2021
51	Rohit Srivastava	Porphyrins Based Nanostructured Material for the Conversion of CO ₂ into Value Added Products	FEB	2021
52	Rohit Srivastava	Metal Hollow Spheres as Promising Electrocatalysts in Electrochemical Conversion of CO ₂ to Fuels	FEB	2021
53	Supriya Sujay Pal	Work Life Balance And Organizational Culture: From The Perspective Of Millennial Males	FEB	2021
54	Anilkumar Trikamhai Markana	Robotic Grasp Synthesis Using Deep Learning Approaches: A Survey	MAR	2021
55	Anirudh Kulkarni	Phase Change Materials and Its Applications	MAR	2021
56	Ashish Prabhudas Unnarkat	Potential risk and safety concern of nanomaterials used for wastewater treatment	MAR	2021
57	Bhasha Harshal Vachharajani	Evolution of sea ice thickness over various seas of the Arctic region for the years 2012-13 and 2018-19	MAR	2021
58	Jatinkumar Ravjibhai Patel	Experimental Investigation of Parabolic Trough Collector Using Cut Tube Receiver and Chronological Tracking	MAR	2021
59	Kiran Bhaskar Mysore	The-Influence-of-Digitization-on-Supply-Chain-Sustainable-Performance	MAR	2021
60	Nausheen Nizami	Future of Work in Information Technology and the Analytics Industry: Understanding the Demand	MAR	2021
61	Pravin Kodgire	Effectiveness of RSM based Box Behken DOE over conventional method for optimization of biodiesel production	MAR	2021
62	Rajib Bandyopadhyay	Recent Advances in Biomass Gasification: A review	MAR	2021
63	Rakesh Vasant Chaudhari	A Review on Applications of Nitinol Shape Memory Alloy	MAR	2021
64	Vivek K. Patel	Thermal Simulation of Li-Ion Battery Pack Using ANSYS Fluent	MAR	2021
65	Anirbid B Sircar	Geothermal Energy and Climate change Mitigations	APR	2021

66	Ankur Solanki	Hybrid Perovskite Photocatalysis for Energy Harvesting and Energy Saving	APR	2021
67	Debabrata Swain	Credit Score Prediction Using Machine Learning	APR	2021
68	Debabrata Swain	Video Categorization Based on Sentiment Analysis of YouTube Comments	APR	2021
69	Debabrata Swain	A Suicide Prediction System Based on Twitter Tweets Using Sentiment Analysis and Machine Learning	APR	2021
70	Debabrata Swain	Stock Market Prediction Using Long Short-Term Memory Model	APR	2021
71	Jaykumar J Vora	Advances in gas metal arc welding process: modifications in short-circuiting transfer mode	APR	2021
72	Kiran Bhaskar Mysore	Significance of Intruder Detection Techniques in the Context of Industry 4.0	APR	2021
73	Kiran Bhaskar Mysore	Industry 4.0 Significance and its Applications	APR	2021
74	Kiran Bhaskar Mysore	Supply Chain Design and Performance Enhancement by Industry 4.0	APR	2021
75	Lakshmana Rao Jeeru	Cracking of Heavy Oil over a Catalyst Synthesized from Fly Ash	APR	2021
76	Manas Kumar Bhoi	Study of Engineering Properties of Expansive Soil Stabilized with Quarry Dust and Fly Ash.	APR	2021
77	Manas Kumar Bhoi	Comparison Between the Soil Properties of the Coastal and Interior Regions of Gujarat	APR	2021
78	Manas Kumar Bhoi	Strength Improvement of Gandhinagar Soil Using Microfine Cement as Grout	APR	2021
79	Pankaj Sahlot	Magnetic pulse welding	APR	2021
80	Pankaj Sahlot	Effect of Various Aspects on Mechanical Properties of High Entropy Alloys: A Review	APR	2021
81	Rajat Saxena	Phase Change Materials and Its Applications	APR	2021
82	S. Venkata Krishnan	Arthashastra and Civic Responsibility	APR	2021
83	Tapan Kumar Pal	Conversion of carbon dioxide to valuable compounds	APR	2021
84	Vishal Ashok Wankhede	Design Strategies Enabling Industry 4.0	APR	2021
85	Bhasuru Abhinaya Srinivas	Comparative Study and Trend Analysis of Regional Climate Models and Reanalysis Wind Speeds at Rameshwaram	MAY	2021
86	Debabrata Swain	Smart Queue Shopping Using RFID System	MAY	2021

87	Hardik Kirtanbhai Jani	Comparative Study and Trend Analysis of Regional Climate Models and Reanalysis Wind Speeds at Rameshwaram	MAY	2021
88	Hardik Patel	Role of Artificial Intelligence Based Wireless Sensor Network for Pandemic Control: A Case Study Using CupCarbon	MAY	2021
89	Mohendra Roy	Role of Artificial Intelligence Based Wireless Sensor Network for Pandemic Control: A Case Study Using CupCarbon	MAY	2021
90	Paawan Sharma	9 Role of Artificial Intelligence Based Wireless Sensor Network for Pandemic Control: A Case Study Using CupCarbon	MAY	2021
91	Paawan Sharma	Role of Artificial Intelligence based wireless sensor network for pandemic control : A case study using CupCarbon	MAY	2021
92	Pravin Kodgire	Effectiveness of RSM based Central Composite Design for optimization of in-situ biodiesel production process from castor seeds	MAY	2021
93	Pravin Kodgire	Optimization of Biodiesel Production Using Supercritical Solvent by Taguchis Technique and CI Engine Testing	MAY	2021
94	Samir B. Patel	Machine Learning Applications for Computer-Aided Medical Diagnostics	MAY	2021
95	Samir B. Patel	An AI-Based Solution to Reduce Undesired Face-Touching as a Precautionary Measure for COVID-19	MAY	2021
96	Sitakanta Mishra	The Impact of COVID-19 Pandemic on Chinas Belt and Road Initiative	MAY	2021
97	Swapnil Dharaskar	Arsenic Removal Using Nanoparticles from Groundwater: A Review	MAY	2021
98	Tapan Kumar Pal	Metal Organic Framework As ratiometric sensor: Application and outlokk	MAY	2021
99	Achinta Bera	Biosurfactant role in microbial enhanced oil recovery	JUN	2021
100	Amit Verma	Applications of Surfactants as Fracturing Fluids: Chemical Design, Practice, and Future Prospects in Oilfield Stimulation Operations	JUN	2021
101	Brijesh Tripathi	Role of Supercapacitor for Increasing Driving Range of Electric Vehicles Under Indian Climatic Conditions	JUN	2021
102	Niragi Kalpesh Dave	Go Green for Environmental Sustainability	JUN	2021

103	Nirav D. Karelia	Introduction to AI Techniques for Photovoltaic Energy Conversion System	JUN	2021
104	Nirav D. Karelia	Power Quality Improvement for GridIntegrated Renewable Energy Sources A Comparative Analysis of UPQC Topologies	JUN	2021
105	Siddharth Sanjaykumar Joshi	Introduction to AI techniques for Photovoltaic Energy Conversion System	JUN	2021
106	Vipin S. Shukla	Plasma Density Prediction for Helicon Negative Hydrogen Plasma Source Using Decision Tree and Random Forest Algorithm	JUN	2021
107	Vipin S. Shukla	Input Parameter Optimization with Simulated Annealing Algorithm for Predictive HELEN-I Ion Source	JUN	2021
108	Ravi Kant	Stability and Control of the Flow in a Porous Channel	JUL	2021
109	Samir B. Patel	Influence of Schema Design in NoSQL Document Stores	JUL	2021

Reports Publication

Sr. No.	Faculty	Title	Month	Year
1	Mohendra Roy	ADIC: Anomaly Detection Integrated Circuit in 65-nm CMOS Utilizing Approximate Computing	SEP	2020
2	Sitakanta Mishra	Nuclear Security Governance in India: Institutions, Instruments, and Culture (2019)	OCT	2020
3	Sitakanta Mishra	Nuclear Security Governance in India: Institutions, Instruments, and Culture (2019)	OCT	2020
4	Kumar Srivastava Anurag	A Study of Deen Dayal Upadhyaya Grameen Kaushalya Yojana	MAR	2021
5	Mohendra Roy	An Optimized Neural Network Architecture for Auto Characterization of Biological Cells in Digital Inline Holography Micrographs	MAR	2021
6	Mohendra Roy	ANNSESDIHM: An Artificial Neural Network based Signal Enhancement Scheme for Digital Inline Holography (DIH) Microscope	MAR	2021
7	Mohendra Roy	Role of Artificial Intelligence Based Wireless Sensor Network for Pandemic Control: A Case Study Using CupCarbon	MAY	2021

Papers in conference proceedings

Sr. No.	Faculty	Title	Month	Year
1	Debasis Sarkar	Development of Sustainable Transportation System In Indian Scenario	JUL	2020
2	Debasis Sarkar	Analysis of Productivity and Optimization of Resources for Construction Projects	JUL	2020
3	Debasis Sarkar	Resource Optimization of Large Sized Resource-Constrained Infrastructure Project using Elitist Genetic Algorithm	JUL	2020
4	Debasis Sarkar	6D Building Information Modelling for Sustainable Transportation Project In Western India	AUG	2020
5	Jaykumar J Vora	Review on the use of activated flux in arc and beam welding processes	AUG	2020
6	Santosh Kumar Bharti	A Real-Time Sentiments Analysis System Using Twitter Data	AUG	2020
7	V S K V Harish	Peak power impact from electric vehicle charging	AUG	2020
8	V S K V Harish	Control of PM Synchronous Motor with Hybrid Speed Controller with Gain Scheduling for Electric Propulsion	AUG	2020
9	V S K V Harish	Development of an assessment tool to review Communication Technologies for Smart Grid in India	AUG	2020
10	V S K V Harish	Determining the performance characteristics of a white box building energy system model and evaluating the energy consumption	AUG	2020
11	Amitava Choudhury	Real-Time Inventory Management Using Hadoop	SEP	2020
12	Dhruvesh P Patel	Comparison of HEC-HMS and SWAT Hydrologic models in simulation of runoff at of Machhu River catchment, Gujarat, India	SEP	2020

13	Dhruvesh P Patel	Groundwater Quality Indexing Using Weight Overlay Analysis and GIS - A Case of Rel River Catchment	SEP	2020
14	Pallabi Saikia	Automatic Concurrent Arrhythmia Classification using Deep Residual Neural Networks	SEP	2020
15	Parth Prajapati	Study of effect of geometrical and thermodynamic variables on the performance of condenser in an organic Rankine cycle	SEP	2020
16	Pravin Kodgire	Optimization of Biodiesel Production using Supercritical Solvent by Taguchi's Technique and CI Engine Testing	SEP	2020
17	Rajesh Shriramsa Gujar	Modeling and Prediction of Freight Delivery for Blocked and Unblocked Street Using Machine Learning Techniques	SEP	2020
18	Vivek Jayantkumar Pandya	Prediction of Negative Hydrogen Ion Density in Permanent Magnet-Based Helicon Ion Source (HELEN) using Deep Learning Techniques	SEP	2020
19	Vivek Jayantkumar Pandya	Support Vector Machine Based Fault Classification and Faulty Section identification Scheme in Thyristor Controlled Series Compensated Transmission Lines	SEP	2020
20	Debasis Sarkar	Sustainable Approach for Building Materials and Airflow Analysis for Elevated Metro Rail Station Box of Ahmedabad	OCT	2020
21	Siddharth Sanjaykumar Joshi	Neural Network based MPPT system for Standalone PV system	OCT	2020
22	Anirbid B Sircar	Artificial Intelligence based optimizing solution for geothermal power plant	NOV	2020
23	Jitendra G. Jamnani	Voltage Stability enhancement by coordinated design of FACTS devices by Particle Swarm Optimization algorithm	NOV	2020
24	Jitendra G. Jamnani	Novel Optimistic approach for design of a UHV AC Transmission Line in India from View Point	NOV	2020

		of Maximum Permissible Exposure Values of Fields		
25	Purvi Koringa	Neighborhood Projection Embedding Based Image Tampering Detection and Localization	NOV	2020
26	Rohit Srivastava	Measurement of cloud properties using a self-designed cloud chamber	NOV	2020
27	Anirbid B Sircar	Biodegradable Resin Based Water Softener Technique to Reduce the Scaling Problem in Geothermal Water Flow Lines	DEC	2020
28	Anirbid B Sircar	A Review of Integration of Solar-Geothermal System with the Thermal Energy Storage System	DEC	2020
29	Dhruvesh P Patel	A literature review of labour productivity in construction Industry	DEC	2020
30	Manas Kumar Bhoi	Modelling using ANN and RNN approach for shearing behavior of residual soil.(Accepted as book chapter in IGC 2020 Proceedings)	DEC	2020
31	Paawan Sharma	Experiments with Multinational Cross-Course Project	DEC	2020
32	Purvi Koringa	CS-ONPP: Class Similarity based ONPP for Modular Facial Expression Recognition	DEC	2020
33	Siddharth Sanjaykumar Joshi	Comparative Analysis of Maximum Power Point Algorithms for Solar PV Applications	DEC	2020
34	Vishal Ashok Wankhede	Analysis of impediments of Industry 4.0 adoption using fuzzy TOPSIS method	DEC	2020
35	Kishan Ashok Fuse	Effect of shoulder diameter on bobbin tool friction stir welding of AA 6061-T6 alloy	JAN	2021
36	Parth Prajapati	Computational analysis of copper@paraffin composite in a cylindrical cavity for enhanced thermal energy storage system	JAN	2021

37	Parth Prajapati	A review on biomass-fired CHP system using fruit and vegetable waste with regenerative organic Rankine cycle (RORC)	JAN	2021
38	Vishal Ashok Wankhede	Design Strategies Enabling Industry 4.0	JAN	2021
39	Amit V. Sant	Combined Second Order Generalized Integrator –ADALINE Algorithm based Fundamental Active Current Extraction for Shunt Active Filtering	FEB	2021
40	Amit V. Sant	Control of 7-Level Simplified Generalized Multilevel Inverter Topology for Grid Integration of Photovoltaic System	FEB	2021
41	Amit V. Sant	Analysis of State of Health Estimation for Lithium ion Cell using Unscented and Extended Kalman Filter	FEB	2021
42	Amit V. Sant	Grid-Tied PV System Operating as Shunt Active Filter with Exponential VSSLMs Based Fundamental Active Current Extractor	FEB	2021
43	Debasis Sarkar	Multi-Criteria Decision Making for Risk Management of Feasibility Phase of Solar Park in India	FEB	2021
44	Jaykumar J Vora	Fabrication of rutile–TiO ₂ nanowire on shape memory alloy: A potential material for energy storage application	FEB	2021
45	Jigarkumar Harshadkumar Shah	A Neoteric Technique using ARIMA- LSTM for Time Series Analysis on Stock Market Forecasting	FEB	2021
46	Manan Rajiv Shah	Using Machine Learning Algorithms to predict Geothermal wells with the help of Surface Temperature	FEB	2021
47	Manan Rajiv Shah	Developments and Future Insights of Using Nanofluids for Heat Transfer Enhancements in Geothermal Systems	FEB	2021

48	Manan Rajiv Shah	Technological Peripheral of Geosolar Hybrid Cooling System	FEB	2021
49	Manan Rajiv Shah	Unification of Geothermal Plants with National Grids Using Artificial Intelligence (AI)	FEB	2021
50	Manan Rajiv Shah	Study of Economic Feasibility for a Decentralized Small off Grid Geothermal Power Plant Using Slim Boreholes	FEB	2021
51	Manan Rajiv Shah	Performance Evaluation of Geothermal Integrated Desalination Double Effect Evaporator (DEE) with or without Steam Jet Ejector with Software Simulation	FEB	2021
52	Manan Rajiv Shah	A Study on Geothermal Battery Energy Storage	FEB	2021
53	Manan Rajiv Shah	Use of Geothermal Electric System for Remote Powering: A Case Study of Puga Geothermal Field.	FEB	2021
54	Manan Rajiv Shah	A Comprehensive Study of Cementing Operation for HPHT Geothermal Wells	FEB	2021
55	Manan Rajiv Shah	Using Machine Learning Algorithms for prediction of Hot water Temperature generated due to Heat Pumps	FEB	2021
56	Manoj Sahni	Chi-Square Similarity Measure for Interval Valued Neutrosophic Set	FEB	2021
57	Manoj Sahni	Novel Results for the Factorization of Number Forms	FEB	2021
58	Manoj Sahni	Comparative Study of Two Teaching Methodologies Using Fuzzy Set Theory	FEB	2021
59	Manoj Sahni	Floyd's Algorithm for All-Pairs Interval-Valued Neutrosophic Shortest Path Problems	FEB	2021
60	Manoj Sahni	Development and Application of the DMS Iterative Method Having Third Order of Convergence	FEB	2021

61	Namrata Bist Rawat	A Review of Integration of Solar-Geothermal System with the Thermal Energy Storage System	FEB	2021
62	Namrata Bist Rawat	Artificial Intelligence Based Optimizing Solutions for the Geothermal Power Plants	FEB	2021
63	Nishant Doshi	Cryptanalysis of IoT-Based Authentication Protocol Scheme	FEB	2021
64	Pravin Kodgire	Comparison of optimization results of applied RSM methods for transesterification of waste cooking oil using microwave assisted method catalyzed by CaO	FEB	2021
65	Pravin Kodgire	Analysis of RSM method for optimization of Ultrasound-assisted KOH catalyzed biodiesel production from waste cotton-seed cooking oil	FEB	2021
66	Pravin Kodgire	Comparison of optimization results of applied RSM based Full Factorial Design (FFD) and Central Composite Design (CCD) methods for biodiesel production from waste cooking oil using microwave assisted method catalyzed by CaO	FEB	2021
67	Pravin Kodgire	Analysis of RSM based BBD and CCD techniques applied for biodiesel production from waste cotton-seed cooking oil via ultrasound method	FEB	2021
68	Santosh Kumar Bharti	Stock Market Strengthens Economy And Strengthened by AI to Minimize Risk	FEB	2021
69	Santosh Kumar Bharti	Sentence Level Language Identification in Gujarati-Hindi Code-Mixed Scripts	FEB	2021
70	Bhinal Bakulbhai Mehta	Coordinated Control of Hybrid Renewable Power Generating System Applicable for DC Microgrid	MAR	2021
71	Brajesh Kumar Jha	A Mathematical Model to Study the Role of Buffer and ER Flux on Calcium Distribution in Nerve Cells	MAR	2021

72	Brajesh Kumar Jha	Finite Element Technique to Study Calcium Distribution in Alzheimer's Disease	MAR	2021
73	Dhruvesh P Patel	Innovative concept of floating photovoltaic plant for small scale rural water body	MAR	2021
74	Dhruvesh P Patel	An analysis sustainability	MAR	2021
75	Jigarkumar Harshadkumar Shah	Smart Traffic System using Traffic flow models	MAR	2021
76	Leena Santosh	Hybrid Machine Learning Model for Forecasting Solar Power Generation	MAR	2021
77	Manas Kumar Bhoi	Review of Cause and impact of Road Project Delay in Afghanistan and comparison with other countries	MAR	2021
78	Manas Kumar Bhoi	Predicting the performance of highway project using Gray numbers	MAR	2021
79	Meera Karamta	Dynamic State Estimation of Multi-machine Power Network Integrated with SVC	MAR	2021
80	Milan Milan Rananga Raninga	IOP Conf. Series: Materials Science and Engineering	MAR	2021
81	Mohendra Roy	An Optimized Neural Network Architecture for Auto Characterization of Biological Cells in Digital Inline Holography Micrographs	MAR	2021
82	Mohendra Roy	ANNSESDIHM: An Artificial Neural Network based Signal Enhancement Scheme for Digital Inline Holography (DIH) Microscope	MAR	2021
83	Nishant Doshi	Python: The Most Advanced Programming Language for Computer Science Applica	MAR	2021
84	Nishant Doshi	A CNN-BiLSTM based Approach for Detection of SQL Injection Attacks	MAR	2021

85	Pravin Kodgire	Effectiveness of RSM based Central Composite Design for optimization of in-situ biodiesel production process from castor seeds	MAR	2021
86	Pravin Kodgire	Biodiesel Production from Waste Cooking Oil Using Sequential Process Intensification Technique (Ultrasound and Microwave)	MAR	2021
87	Pravin Kodgire	Comparison of RSM based optimization techniques for bio-diesel production using the microwave-assisted method	MAR	2021
88	Pravin Kodgire	Effectiveness of RSM based Box Behken DOE over conventional method for optimization of biodiesel production	MAR	2021
89	Pravin Kodgire	An Ultrasound-Assisted Process for the Optimization of Biodiesel Production from Waste Cottonseed Cooking Oil Using Response Surface Methodology	MAR	2021
90	Rajat Saxena	Study on PCM Assisted Constant Temperature Water Heating System	MAR	2021
91	Samir B. Patel	A Novel Approach of Polsar Image Classification Using Naïve Bayes Classifier	MAR	2021
92	Samir B. Patel	Determining the Best Strategy for the Network Administrator in Dynamic Environment Through Game Theory	MAR	2021
93	Samir B. Patel	Crop Yield Estimation Using Machine Learning	MAR	2021
94	Santosh Kumar Bharti	Artificial Intelligence Applications to Tackle COVID-19	MAR	2021
95	Santosh Kumar Bharti	Dynamic SentiPhraseNet to Support Sentiment Analysis in Telugu	MAR	2021
96	Shakti Mishra	A CNN-BiLSTM based Approach for Detection of SQL Injection Attacks	MAR	2021

97	Siddharth Sanjaykumar Joshi	Coordinated Control of Hybrid Renewable Power Generating System Applicable for DC Microgrid	MAR	2021
98	Siddharth Sanjaykumar Joshi	Comparative Analysis of MPPT Algorithms for Small Scale Wind Energy System	MAR	2021
99	Surendra Sasi kumar Jampa	Removal of arsenic from aqueous solution using combined ultrasonic and electrocoagulation process	MAR	2021
100	T Venkata Pavan Kumar	Machine Learning Based Transmission Line Fault Analysis by Using Single Ended Parameters	MAR	2021
101	Tawseef Ayoub Shaikh	Automated Fiber Quantification for Alzheimer's Disease Diagnosis from Neuropsychological Biomarkers	MAR	2021
102	Vivek Jayantkumar Pandya	Coordinated Control of Hybrid Renewable Power Generating System Applicable for DC Microgrid'	MAR	2021
103	Vivek Jayantkumar Pandya	Plasma Density Prediction for Helicon Negative Hydrogen Plasma Source using Decision Tree and Random Forest Algorithm	MAR	2021
104	Vivek Jayantkumar Pandya	Input parameter optimization with simulated annealing algorithm for predictive HELEN-I ion source	MAR	2021
105	Debasis Sarkar	Risk in Solar Parks: A Parametric Approach of Comparing AHP and TOPSIS Methods"	APR	2021
106	Nishant Doshi	Smart Office Automation System using IOT: An efficient database management system	APR	2021
107	Samir B. Patel	Garbage Detection using Advanced Object Detection Techniques	APR	2021
108	Abhishek Kumar	Ranking and Evaluation of Suppliers using AHP and TOPSIS in Calibration Laboratory	MAY	2021

109	Amit V. Sant	Control of PM Synchronous Motor with Hybrid Speed Controller with Gain Scheduling for Electric Propulsion	MAY	2021
110	Amit V. Sant	Determining the Performance Characteristics of a White-Box Building Energy System Model and Evaluating the Energy Consumption	MAY	2021
111	Jitendra G. Jamnani	Optimized Design and Analysis of Grounding Grid for 400 kV EHV Air Insulated Substation	MAY	2021
112	Manas Kumar Bhoi	Risk Management Tool for Construction Sector India during COVID-19 Crisis.	MAY	2021
113	Payal Ketan Chaudhari	Secure Data Transmission Techniques for Privacy Preserving Computation Offloading between Fog Computing Nodes	MAY	2021
114	Rajesh Patel	Theoretical Modelling of Heat Generation in Batteries of Electric Vehicles for Various Operating Environments	MAY	2021
115	Shakti Mishra	Applications of Reinforcement learning for Medical Decision Making	MAY	2021
116	Uma Chaduvula	Sustainable Use of Fiber Reinforced Expansive Clay in Barrier Systems	JUN	2021

Papers presented in Conferences, Seminars, Workshops, Symposia

Sr. No.	Faculty	Title	Month	Year
1	Ankita Srivastava	4 Days FDP	JUL	2020
2	Debasis Sarkar	Development of Sustainable transportation System in Indian Scenario	JUL	2020
3	Urmi Satyan Dave	Literature in Diaspora: Sharing the Stories of Pain and Gain	JUL	2020
4	Ankita Srivastava	30 Days FDP	AUG	2020
5	Debasis Sarkar	6D Building Information Modelling for Sustainable Transportation Project of Western India	AUG	2020
6	Garlapati Nagababu	Comparative study and trend analysis of regional climate models and reanalysis wind speeds at Rameshwaram	AUG	2020
7	Namrata Bist Rawat	Geothermal-Solar Hybrid setup for exploitation of low enthalpy geothermal reservoirs : Case study from Dholera, Gujarat, India	AUG	2020
8	Rakesh Vasant Chaudhari	A Review on Applications of Nitinol Shape Memory Alloy	AUG	2020
9	Udayprakash Ghanshyam Sharma	The Politics of Justice within Borders - A Cosmopolitan Perspective	AUG	2020
10	Urmi Satyan Dave	Psychological Resilience and Immunity in Verginia Woolfs Mrs. Dalloway. The Twentieth Century: Literary Signposts and Watersheds	AUG	2020
11	Vima Mali	2020_August_Role of supercapacitor for Increasing Driving range of Electric Vehicles under Indian Climatic Conditions	AUG	2020
12	Manish Kumar Sinha	CO2 Separation Performance Using Advanced Separation	SEP	2020
13	Pawan Gupta	Investigation on Improved Physical Properties of Water Based Drilling Fluid in Presence of Ester and Nanoparticles	SEP	2020
14	Ramesh Kumar Guduru	Plasma Spray Synthesis of Nanomaterials for Energy/Energy Storage Applications	SEP	2020
15	Simran Jeet Singh	Effect of thickness stretching on sandwich plate with FGM core and piezoelectric face sheets	SEP	2020
16	Vipin S. Shukla	Prediction of Negative Hydrogen Ion Density in Permanent Magnet-Based Helicon Ion Source (HELEN) using Deep Learning Techniques	SEP	2020

17	Vivek Kumar	Effect of non-Newtonian Behavior of Lubricant on Performance of Externally Pressurized Thrust Bearing	SEP	2020
18	Vivek Kumar	Performance of Hydrodynamic Journal Bearing Operating with Shear-Thinning Lubricants	SEP	2020
19	Anirbid B Sircar	Utilizing oil and gas industries capabilities in exploring deep supercritical geothermal reservoir rocks	OCT	2020
20	Ashish Prabhudas Unnarkat	Removal and Recovery of Phosphorus from Waste Water - Technology Perspective	OCT	2020
21	Ashish Prabhudas Unnarkat	Dimethyl Ether from Syngas – Standpoint on Catalyst and Reactor Configurations	OCT	2020
22	Balanagulu Busupalli	Metallic and semiconducting nanomaterials for advanced technological applications	OCT	2020
23	Debasis Sarkar	Sustainable Approach for Building Materials and Airflow Analysis for elevated Metro Rail station Box of Ahmadabad	OCT	2020
24	Namrata Bist Rawat	Utilizing oil and gas industries capabilities in exploring deep supercritical geothermal reservoir rocks	OCT	2020
25	Pravin Kodgire	Recent Developments in All Solid State Lithium Ion Batteries: A Review	OCT	2020
26	Pravin Kodgire	Application of extreme learning machine (ELM) method for recently developed process intensification (PI) techniques for biodiesel production	OCT	2020
27	Ramesh Kumar Guduru	Fabrication of Micro Electro Mechanical Systems (MEMS)	OCT	2020
28	Rohit Srivastava	Geographical dependence of cloud process over India: A comparative study between coastal and inland region	OCT	2020
29	Samir B. Patel	Machine Learning Applications for Computer Aided Medical Diagnostics	OCT	2020
30	Amrita Chakraborty	Effective Medium of Online Classroom Communication During the Covid-19 Pandemic	NOV	2020
31	Jitendra G. Jamnani	Novel Optimistic approach for design of a UHV AC Transmission Line in India from View Point of Maximum Permissible Exposure Values of Fields	NOV	2020
32	Jitendra G. Jamnani	Voltage Stability enhancement by coordinated design of FACTS devices by Particle Swarm Optimization algorithm	NOV	2020

33	Neeta Sinha	Effect of social Media on Adolescents	NOV	2020
34	Supriya Sujay Pal	An exploratory study on sexual harassment act at workplace from the male perspective	NOV	2020
35	Uttam Kumar Bhui	A multipronged approach for understanding macromolecular structure of Liptinite rich coal from Ib-River Coalfield, Odisha, India: its suitability for coal liquefaction	NOV	2020
36	Uttam Kumar Bhui	Surfactant Flooding for Enhanced Oil Recovery: Understanding Molecular Level Mechanism with Optical Spectroscopic Study	NOV	2020
37	Uttam Kumar Bhui	Molecular architecture of coal of different rank for possible future applications: An Optical spectroscopic study	NOV	2020
38	Vivek Kumar	Squeeze Film Operation of Thrust Bearing Operating with Shear-Thinning Lubricants	NOV	2020
39	Vivek Kumar	Influence of Number of Lobe on Dynamic Performance of Hydrodynamic Journal Bearing	NOV	2020
40	Vivek Kumar	Analysis of circular and multi-lobe hydrodynamic journal bearing operating with Electro-rheological lubricant	NOV	2020
41	Amrita Chakraborty	Impact of Teachers Political Ideology on Class Learning Outcomes: A Qualitative Analysis	DEC	2020
42	Ashish B Joshi	Employee Happiness Demystified During and Post Covid 19	DEC	2020
43	Ashish B Joshi	An Empirical study on Startup in India	DEC	2020
44	Dhruvesh P Patel	Creating a High resolution DEM for Flood Assessment Using UAV Techniques	DEC	2020
45	Dhruvesh P Patel	Flood Inundation Modeling and Analysis for Vadodara City using HEC-RAS Model	DEC	2020
46	Dhruvesh P Patel	Flood assessment and modeling approach using satellite imagery- A case of Navasari city, Gujarat, India	DEC	2020
47	Kaushal Kishore	Impact of Covid-19 on Stock Markets: An Investigation And Way Forward	DEC	2020
48	Kaushal Kishore	What We Know About Celebrity Endorsements: A Study on Role of Celebrities in Marketing of Energy Products?	DEC	2020
49	Kumar Srivastava Anurag	Role of Urban Local bodies in combating Covid-19: A perspective from India.	DEC	2020
50	Manas Kumar Bhoi	Modelling using ANN and RNN approach for shearing behavior of residual soil	DEC	2020

51	Narayan Baser	Global Mutual Fund Market: The turn of the month effect and investment strategy	DEC	2020
52	Rajib Bandyopadhyay	Selective Glycerol Dehydration over Hierarchical Microporous Material	DEC	2020
53	Ravi Kant	The Effect of the Forebody Shapes on the Stability of the Axisymmetric Boundary Layer	DEC	2020
54	Supriya Sujay Pal	Pet Friendly Culture in Corporate: A new Dimension of Employee Retention	DEC	2020
55	Ashutosh Muduli	Exploring the antecedents, drivers, and outcome of Behaviour-based safety: A literature review.	JAN	2021
56	Niragi Kalpesh Dave	5 Days Online Short Term Course	JAN	2021
57	Ramesh Kumar Guduru	Capture of Atmospheric CO ₂ and Electrochemical Approaches	JAN	2021
58	Samir B. Patel	Influence of Schema Design in NoSQL Document Stores	JAN	2021
59	Sanjay Kumar Pradhan	Is the Role of Oil and Natural Gas in India's Energy Relations Diminishing or Understated? - A 2040 Outlook	JAN	2021
60	Udayprakash Ghanshyam Sharma	Justice, the Anthropocene and the State	JAN	2021
61	Anirban Dey	Enhancement of CO ₂ absorption capacity in the APDA activated solvent blends for Post combustion CO ₂ capture process	FEB	2021
62	Ankita Srivastava	Effects of the Covid 19 Pandemic on the consumption behaviour of Indian house holds. A case study of Gujarat	FEB	2021
63	Ankita Srivastava	Ecommerce Market By 2025 With Special Reference To The Impact Of New Ecommerce Policy 2019 On Consumers Buying Behaviour	FEB	2021
64	Ashish B Joshi	Changing in Entrepreneurship system through innovation	FEB	2021
65	Ashutosh Muduli	Framework for Magnifying the Antecedents and Drivers in Workplace Safety Outcomes: A Behavioural Perspective	FEB	2021
66	Balanagulu Busupalli	Self-replication in poly(butadiene) based polymersomes	FEB	2021
67	Debasis Sarkar	Multi-Criteria Decision Making for Risk Management of Feasibility Phase of Solar Park in India	FEB	2021

68	Garlapati Nagababu	Energetic and Exergetic Analyses of Hybrid Wind-Solar Energy Systems	FEB	2021
69	Manoj Sahni	Multi-Criteria Decision Making in the Selection of Biomass Renewable Energy	FEB	2021
70	Niragi Kalpesh Dave	Utilization and Role of industrial by products as a supplementary cementitious materials in concrete –A Review	FEB	2021
71	Niragi Kalpesh Dave	Assessment of Sulfate Resistance of Portland Cement Mortars Containing Metakaolin and Silica Fume	FEB	2021
72	Rohit Srivastava	Transition Metal Based Ternary Hierarchical Metal Sulphide Microspheres as Electrocatalyst for Splitting of Water into Hydrogen and Oxygen Fuels	FEB	2021
73	Rohit Srivastava	Synthesis and Characterization of NiV ₂ S ₄ Nanospheres as Electrocatalyst for Hydrogen Production	FEB	2021
74	Samir B. Patel	Proposed Mechanism for COVID-19 Prevention: An AI-Based Approach to Limit Undesired Face-Touching	FEB	2021
75	Supriya Sujay Pal	Professional Quality of Life of Teachers in a leading private school in Ahmedabad	FEB	2021
76	Anirban Dey	Novel activated amine Formulations for Post-Combustion Carbon-dioxide Capture Process	MAR	2021
77	Ankita Srivastava	Farmer s Perception towards various Agri-Financing schemes: A Case study of Gujarat	MAR	2021
78	Ashish B Joshi	A Study on Entrepreneurship through innovations in context of selected Sectors	MAR	2021
79	Ashish B Joshi	COVID19 (SARS-Cov-2): Foster Higher Education To Be Socially Responsible In India	MAR	2021
80	Balanagulu Busupalli	Asymmetric membrane scission in polymer vesicles induced via osmotic pressure difference	MAR	2021
81	Bharti Saini Verma	Synthesis and characteriza of advanced polymeric membranes by phase inversion method for wastewater Treatment	MAR	2021
82	Bharti Saini Verma	Polymeric membranes blended with PVDF base-copolymer for oil/water emulsion separation	MAR	2021
83	Bharti Saini Verma	Treatment of wastewater containing oil using homopolymers/cross-linked copolymer-polysufone (PSF) blended utrafiltration membrane	MAR	2021
84	Debasis Sarkar	A Review on Integrated BIM-IoT Model for Monitoring of Construction Projects	MAR	2021

85	Divi Sriram	Emerging Need of Integrating Disaster Risk Management in Social Entrepreneurship	MAR	2021
86	Garlapati Nagababu	Assessment of synergy-complementarity scenario for the solar and wind energy resources	MAR	2021
87	Manish Kumar Sinha	Advance engineering process for CO ₂ capture by using advanced IL supported membranes	MAR	2021
88	Manish Kumar Sinha	Brackish ground water and dairy wastewater treatment using electrodialysis system	MAR	2021
89	Manish Kumar Sinha	Review: Co ₂ Capture Process Using IL Supported Membranes	MAR	2021
90	Meera Karamta	Dynamic State Estimation of Multi-machine Power Network Integrated with SVC	MAR	2021
91	Milan Milan Raninga Raninga	Desalination of brackish water using cascade Rankine cycle based reverse osmosis system	MAR	2021
92	Shakti Mishra	Explainable AI for Healthcare: A Study for Interpreting Diabetes Prediction	MAR	2021
93	Shakti Mishra	Modelling resource allocation in uncertain system environment through deep reinforcement learning	MAR	2021
94	Supriya Sujay Pal	An analysis of concepts of work life balance from millennial male perspective	MAR	2021
95	Uma Chaduvula	Predicting performance of Highway Project using Grey Numbers	MAR	2021
96	Uma Chaduvula	Value Management Implementation for Building Projects in Construction Industry	MAR	2021
97	Ankita Srivastava	Impact of Celebrity Endorsement on Consumer Buying Behaviour in the State of Maharashtra and Madhya Pradesh	APR	2021
98	Debasis Sarkar	Risk in Solar Parks: A Parametric Approach of Comparing AHP and TOPSIS Methods	APR	2021
99	Pravin Kodgire	Performance investigation of biodiesel production techniques using CaO catalyst: optimization, kinetics, and energy analysis	APR	2021
100	Ankita Srivastava	1 Day FDP	MAY	2021
101	Ankita Srivastava	2 Days FDP	MAY	2021
102	Jitendra G. Jamnani	Optimized Design and Analysis of Grounding Grid for 400 kV EHV Air Insulated Substation	MAY	2021
103	Rahul Vitthal Deharkar	Characterization of thin-film over vertical fluted tube: an experimental approach	MAY	2021
104	Uma Chaduvula	Design of haul road on soft soil using 3d cellular confinement	MAY	2021

105	Uma Chaduvula	Sustainable use of fiber reinforced expansive clay in barrier systems	MAY	2021
106	Uma Chaduvula	A Risk management Tool for Construction Sector India during COVID-19 Crisis	MAY	2021
107	Amrita Chakraborty	Sentiment Analysis of the Word Oxygen on Twitter During the Covid-19 Pandemic: A Comprehensive Study	JUN	2021
108	Anirbid B Sircar	Honey Extraction using Geothermal Water: Case study from India	JUN	2021
109	Bhawanisingh G Desai	Aptian anoxic basin of the Russia Platform: recognizing a responses to global and regional controls	JUN	2021
110	Ravi Kant	Hydrodynamic and thermal characteristics of 2D and 3D porous square cylinder using OpenFOAM	JUN	2021
111	Ravi Kant	Linear stability analysis of boundary layer flow using OpenFOAM	JUN	2021
112	Ravi Kant	Linear stability analysis of plane Poiseuille flow using OpenFOAM	JUN	2021
113	Udayprakash Ghanshyam Sharma	Justice, the Anthropocene, and the State	JUN	2021

FACULTY RECOGNITION

- Satish Pandey received Emerald Literati Outstanding Reviewer Award-2020 for European Journal of Training & Development, conferred by Emerald Publishers & European Journal of Training & Development in November 2020.
- Dr Satish K Nair (Adjunct Professor) won Second Prize at the First AIMA-India Case Research Centre (ICRC) Case Writing Competition 2021, for his case "The Powerhouse Behind Powertree" co-authored with Mr Anay Mashruwala (Mentor, PDEU-IIC). The finale was held in March, 2021.
- Prof. Ashutosh Muduli: Awarded Dada Bhai Navroji Prize for the Best Research Paper Published in 2020-21 by Sardar Patel University, Gujarat.
- Dr. Rohit Srivastava received Young Researcher in Energy storage and Conversion by Center of Advanced Research and Design, Venus International Foundation in 2020.
- Dr. Rohit Srivastava received Distinguished Young Researcher, Green ThinkerZ in 2020.
- Dr. Anirbid Sircar received the certificate of recognition from the Academic Council of Ulektz as one of the Top 50 Expert faculties in the field of Chemical/Biomedical/Marine/Petroleum and Textile Engineering across India for the year 2019.
- Ms. Namrata Bist received Featured as women in O&G and engineering on the cover page of DEW journal.
- Dr. Abhijit Ray
 - i) Invited as a Speaker at 7th International Conference on Smart Materials and Nanotechnology, Prague, 2020.
 - ii) Received an Outstanding Scientist Award by VGood International Association (Virtual Award Ceremony), May 2021.
- Dr. Abhishek K. Gupta
 - i) Received Best Oral presentation in technical session of International Conference CRMSC 2021 organized by Manipal University, Jaipur on 12th January, 2021.
 - ii) Invited as Session Chair at ICM - 2020, Organized by Mahatma Gandhi University, Kottayam & Gdansk University of Technology, Poland, 13-15th November 2020.
- Dr. Anirban Dey received Best Paper Award at International Conference on Green Technologies for sustainable development (GTSD-2021) organized by DDIT Nadiad from 09-11th March, 2021.
- Dr. Ankur Solanki has received granted patent on "Compact and lightweight cryostat for optoelectronic measurements of thin films and devices" in 2020.
- Dr. Anu Manhas was a Guest of Honor in the 2nd International Conference on 'Recent Trends in Computational Cancer Biology and COVID-19 (ICRTCCBC-2021)' organized by BIOSHACK India, on July 24-25, 2021.

- Dr. Anup Sanchela has received seed grant from PDEU in 2020.
- Dr. Anurag Kandya
 - i) Empanelled as water quality expert in LGEOM Pvt. Ltd, Gandhinagar as approved by National Accreditation Board for Education and Training (NABET) under Quality Council of India (QCI) on 19th January 2021.
 - ii) Reviewed a paper on Land Surface Temperature and Normalized Difference Vegetation Index: a case study in an urban area in southern Brazil submitted to the Journal of Urban Climate on 10th February 2021.
 - iii) Won 2nd Best Paper Poster award on City level assessment of air pollutant NO₂ using satellite data- a study of Ahmedabad city by SAC-ISRO from 18th December to 19th December 2020.
- Dr. Ayyanna Habal
 - i) Chaired a session at 13th Transportation Planning and Implementation Methodologies for Developing Countries from 10th December to 11th December 2020.
 - ii) Invited by IIT Bombay to review technical papers for 13th Transportation Planning and Implementation Methodologies for Developing Countries (TPMDC-2020) on 10th October 2020.
 - iii) Invited to review research article for Construction and Building Materials (CBM), Elsevier on 26th February 2021.
 - iv) Elected as program committee member for 13th Transportation Planning and Implementation Methodologies for Developing Countries on 10th December to 11th December 2020.
 - v) Invited by Transportation Research Board (TRB) to review technical papers for their 100th Annual Meeting, Transportation Research Board (TRB) on 10th January 2021.
 - vi) Invited to review research article for International Journal of Pavement Research and Technology (IJPRT), Springer on 28th February 2021.
- Dr. Bharti Saini received Best Poster Presentation Award at International Conference on Green Technologies for sustainable development (GTSD-2021) organized by DDIT Nadiad from 09-11th March, 2021.
- Dr. Bharti Saini, Dr. Rajat Saxena and Dr. Ravi Tejasvi won Best Oral Presentation award in NFEES-2021 organized by Department of Chemical Engineering, PDEU on 28th February, 2021.
- Dr. Busupalli Balangulu received Certificate of Recognition from American Chemical Society, 2021.
- Dr. Dayashankar Kaul
 - i) Reviewed the research paper titled “Removal of particulate matter from meat grilling fumes using a mirror-symmetrical multi-compartment scrubber” on 24th February 2021.
 - ii) Invited to review research paper titled "Comparative Chemical characteristics and sources of atmospheric fine particle" on 10th March 2021.
- Dr. Debasis Sarkar was invited to review research article for International Journal of Energy Research entitled “Optimization and Digitization of Wing Farms using IoT: A Review” on 16th February 2021.

- Dr. Dhruvesh Patel
 - i) Reviewed 02 manuscripts of Journal of Flood risk management at CIWEM on 28th February 2021.
 - ii) Reviewed an International Paper "“Flood Risk Index in Data Scarce River Basin using AHP and GIS approach”, Natural Hazard" invited by Springer on 20th January 2021.
 - iii) Reviewed research paper for International Journal of Construction Management on 1st November 2020.
- Dr. Ganga Prasad Pandey elected as Vice Chair of IEEE MMTT/AP joint chapter Gujarat section.
- Dr. Hardik Patel,
 - i) Secretary of IEEE CoMSOC, Gujarat Section
 - ii) Virtual Research Talk delivered on "Microwave Breast Imaging for Cancer Detection", Microwave Research Institute, UiTM, Malaysia
- Dr. HR Dhananjaya was appointed as question paper setter for PhD Entrance Exam by GTU.
- Dr. Indrajit Mukhopadhyay received an Outstanding Achievements in Research & Academics ISSN Award, November 2020.
- Dr. Jigarkumar Shah recognized for IEEE senior membership.
- Dr. Jitendra Jamnani Promoted as a senior member in IEEE Society on 27th November 2020.
- Dr. Lavish Pamwani
 - i) Received certificate of Appreciation for coordinating the “Academic + Industry Interaction event” by Econstruct Design & Build Pvt. Ltd. from 5th September to 6th September 2020.
 - ii) Recognized as professional member for paper entitled Damage quantification in moment resisting frame using Pha space Reconstructed from independent component sources on 15th March 2021 by Institute of Scholars.
 - iii) Reviewed journal International Journal of Civil Engineering on 15th March 2021 at Institute of Scholars.
 - iv) Won Young Researcher Award for paper entitled Damage quantification in moment resisting frame using Pha space Reconstructed from independent component sources on 15th March 2021 by Institute of Scholars.
- Dr. Leena Santosh received Best Paper Award for a research paper from NIT Jamshedpur on 30th May 2021.
- Dr. M. B Kiran
 - i) PMP (Project Management Professional) certificate Award Project Management Institute, Pennsylvania, U.S.A.
 - ii) Best paper award for paper titled Automated Product Inspection in Industry 4.0 Environment" in Advances in Thermal Fluid Engineering (ATFE) held at PDEU Gandhinagar dated 25th-26th March 2021 (Track : IoT and Industry 4.0).
- Dr. Manan Shah received award from Elsevier on 27th April 2021.

- Dr. Manish Sinha received Best Research Poster award in 1st Faculty Research Symposium organized by PDEU on 4th January, 2021.
- Dr. Mohendra Roy Elected as
 - i) IEEE CIS Executive Committee member and treasurer
 - ii) Recognized as Guest Editor, Materials Today Proceedings Journal
 - iii) Elected as Technical Program Committee (TPC) member for National Seminar on Computer Vision and Image processing (NaSCoVIP) 2020, by IEEE Gujarat
- Dr. Nandini Mukherjee became an International Member of American Chemical Society, 2021.
- Dr. Nitin Chaudhari
 - i) Became a National Member of Materials Research Society of India, 2021.
 - ii) Became an International Member of Royal Society of Chemistry, 2021.
 - iii) Became Young Associate of Maharashtra Academy of Sciences for his significant contributions in the field of Chemical Sciences in the year 2021
- Dr. Pankaj Yadav
 - i) Received DST - SERB, Govt of India, 2020
 - ii) Received GUJCOST STI Policy, Govt of Gujarat, 2020.
 - iii) Received NAWA Scholarship (Ulam Fellow), Ulam Programme, Poland, 2020.
- Dr. Prahlad Kumar Baruah has received SERB International Travel Support from DST, SERB in 2020.
- Dr. Prakash Chandra
 - i) Awarded Life Membership for Catalysis Society of India, 2021.
 - ii) Received Royal Society of Chemistry Membership (MRSC), 2021.
- Dr. Pravin Kodgire received Best Paper Award for “Fuels and Combustion Track” in Conference on Advances in Thermal-Fluids Engineering (ATFE 2021), PDEU, Gandhinagar during 25-26th March, 2021.
- Dr. Rajib Bandyopadhyay
 - i) Chaired a session at ICRC-CCSU conference organized by PDEU and Supported by Shastri Indo Canadian Institute and scheduled for March 12-13, 2021.
 - ii) Chaired a session in the ‘International conference on Condensed Matter and Device Physics (ICCMDP)-2021 during September 9-11, 2021’.
 - iii) Invited as a Review Editor in the Editorial Board of Carbon Capture, Storage, and Utilization (specialty section of Frontiers in Energy Research), 2021.
 - iv) Invited as Board of Studies Member for B.Sc. and M.Sc. course of SRICT Institute of Science & Research under UPL University of Sustainable Technology, Ankleshwar, 2021.
 - v) Invited to act as an Expert Nominee for the selection of JRF under my GSBTM sanctioned research project entitled, "Rational Design of Photolabile Ruthenium (II) Complexes for Photoinduced Drug Delivery in Breast Cancer Cells", Faculty of Science, The M.S. University of Baroda, 2021.
 - vi) Nominated by the academic council of Central University of Gujarat, Gandhinagar, as a Member of School Board, School of Applied Material Sciences, 2021.
 - vii) Nominated by the honourable VC of M.S. University of Baroda, as one of the external members of the Departmental Research Committee, Chemistry Department, 2021.

- viii) Selected as a Member for Departmental Academic Integrity Panel (DAIP) of School of Applied Material Sciences, Central University of Gujarat (CUG), Gandhinagar, 2021.
- Dr. Ramesh K. Guduru, Best Poster presentation award - Royal Society of Chemistry – Journal Poster Prize – MMETFP - Nov 19th - 21st 2021, PDEU.
- Dr. Samir Patel received Best Paper award at the COMS 2021 International Conference on “Proposed Mechanism for COVID-19 Prevention: An AI-Based Approach to Limit Undesired Face-Touching” organized by Ganpat University, 6th -7th February 2021.
- Dr. Shakti Mishra received Best Paper award at the IEEE Connect on “Leveraging towards Privacy-preserving using Federated Machine Learning for Healthcare System” organized by IISC, Bangalore during 9th -11th July 2021.
- Dr. Sheetal Rawat, received granted patent on “Two Single Crystals Based Phoswich Detector for Discriminating Various Kinds of Radiations “in 2020.
- Dr. Siddharth Joshi Promoted as a senior member in IEEE Society on 17th August 2020.
- Dr. Simran Jeet Singh, Best Paper Award in Technical Session 10 (PI-3), for presenting a research paper titled, “Effect of thickness stretching on sandwich plate with FGM core and piezoelectric face sheets”, in the 2nd International Conference on “Recent Advances in Mechanical Engineering”, (RAME-2020) held on 18th - 19th September 2020, organized by Department of Mechanical & Production Engineering, Centre for Energy and Environment, DTU Delhi.
- Dr. Swapnil Dharaskar
 - i) Invited as Research Panel Expert for PhD Selection at GTU on 02nd March, 2021.
 - ii) Working as Editor for Book on “Emerging Carbon Capture Technologies: Towards a Sustainable Future” by Science and Technology, Elsevier.
 - iii) Received Best Researcher Award in New Science Inventions in New Science Inventions by Science Father on 15th February, 2021.
 - iv) Invited as review editor for Frontiers in Energy Research on 20th April 2021.
 - v) Selected as Editorial Board Member of LIISPRING Publisher by LIISPRING Odisha on 5th February, 2021.
- Dr. Vivek Pandya and Dr. Leena Santosh received Best Paper Award on Dec 12, 2021 at iCORE 2021, Manila, Philippines.
- Dr. VSKV Harish received Best Paper Award for a research paper from NIT Jamshedpur on 30th May 2021.
- Dr Venkata Krishnan : Certificate of Honour and Appreciation, Sardar Patel Institute of Public Administration, Ahmedabad, Gujarat
- Dr. Nigam Dave
 - i) Webinar on Management of Reforms in the 21st Century: The Social Sector organized by Central University of Gujarat.
 - ii) An online Book talk on Thomas Friedman's Thank you for being Late
- Dr. Ashvin Dave : Best paper Award (University of Mumbai)
- Dr. Annie Rachel Royson : IATIS Scientific Excellence and Solidarity Bursary.
- Dr. Nausheen Nizami :
 - i) External Examiner (IGNOU)
 - ii) Managing Editor (Wurzburg University)

- Dr Ritu Sharma
 - i) Expert Talk, Mental Health at Workplace (Mahatma Gandhi Labor Institute (MGLI), Ahmedabad)
 - ii) Expert Invited International Talk on Caste in India and the U.S. (Salisbury University, USA)
 - iii) Paper review committee, Mica, 2020 (MICA, Ahmedabad)
 - iv) Invited talk on the occasion of celebrating International Women's Day on 8th of March 2021. (Invited by CSIR, Bhavnagar)
 - v) Invited National Speaker for the 7th International Conference of Stress, Performance and Wellness. ICSPW 2020 on the topic Stress and Resilience: A Psychological Perspective. (ICSPW 2020)
 - vi) Invited talk on Mind-Body-Will Triad. (Organized by Onco Wellbility, Bangalore on March 20, 2021)
 - vii) Invited Speaker Resource Person for research writing at (Gujarat National Law University on Jan 13, 2021)
 - viii) Resource Person for Digital Learning Live Talk (DPS Bopal)
 - ix) Invited Speaker Resource Person : How do people make sense of themselves (SGT University, Gurugram, Delhi-NCR on February 9, 2021)
- Dr. Venkata Krishnan : Certificate of honor & appreciation (Sardar Patel Institute of Public Administration, Government of Gujarat)
- Dr. Vaibhav Shah:
 - i) Certificate of Resource Person (MLSU, Udaipur, Rajasthan)
 - ii) Visiting Professor for course Ethics for B.Tech Students (Ahmedabad University)
- Dr. Urmi Satyan
 - i) Certificate of Appreciation for being resource person in the International online FDP (Ministry of education, Mauritius)
 - ii) Certificate of Appreciation for being resource person and committee member (ELT@I - Pune Chapter)
 - iii) Certificate of Appreciation for being resource person and organizing committee member (Grand academic Portal- GAP)
 - iv) Certificate of Participation for active participation in International Seminar (Global Research Forum on Diaspora and Transnationalism (GRFDT))
 - v) Certificate of Appreciation for active participation in the Faculty Development Course (FDP) (SOURASHTRA COLLEGE)
 - vi) Certificate of Appreciation for active participation in the Faculty Development Course (FDP) (Govt College of Edu. Jammu, GAP, Universitas Hindu Indonesia and GAAC)
- Dr. Tejas Dave : Best Paper Award (University of Mumbai)
- Dr Sriram Divi : Honorary Research Associate (Durban University of Technology, Durban, South Africa)
- Dr. Neeta Khurana : Her talk was on Synchronizing Role of Women in New India– Work-Life Balance Pre & Post Covid-19 (Women's Studies International Forum, Elsevier)
- Dr. Ashish Joshi :
 - i) Best Paper Award (University of Mumbai)
 - ii) Delivered Lecture on Corporate Governance: Issue and Challenges.

OFFICE OF DEAN RESEARCH AND DEVELOPMENT (ODRD)

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

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 PDEU will be eligible for a deduction of the amount equal to one and three-fourth times (175%) of the donation/grant received in PDEU 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 PDEU 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. 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	3 years	33,42,600
2.	Dr. S. Sundar Manoharan,	NANOSOL: A Multifunctional Advanced Therapeutic Burn Wound Dressing	Ministry of Human Resource Development - STARS	3 years	49,75,000
3.	Dr. Poonam Mishra	Modelling of GLOF Conditions to Occur and Modelling of Retreat of Glaciers	Indian Space Research Organization	3 years	24,84,000
4.	Dr. Rama Gaur,	Studies on Optical, Electrical, Microstructural Properties of MoS ₂ , SnS ₂ and MoS ₂ -SnS ₂ Hybrid Nanostructured Thin Films for Solar Cell Applications	Science and Engineering Research Board	3 years	18,30,000
5.	Dr. Nitin Chaudhari,	Development of Mxene-Transition Metal Compound Sulphide and Phosphide Hetro Nanstructures as Electrocatalysts for Overall Water Splitting	Department of Science & Technology	3 years	36,73,828
6.	Dr. Ramesh Kumar Guduru	Electrostatic Spray and CVD Based Textured and Solid Lubricated cBN - TiAlN - Graphene Coatings for Cutting Tools	Science and Engineering Research Board	3 years	43,60,400
7.	Dr. Niragi Dave,	Investigation on the use of Submicron/ Nano scale Powder Waste from Industries (Ceramic Tiles Waste and Bottom Ash) as a Cement Replacement for Concrete/Construction Applications	Gujarat Council on Science and Technology	3 years	24,71,920
8.	Dr. Vivek Patel	Smart Steam Disinfection System to Fight COVID 19 in Public Places	Gujarat Council on Science and Technology	3 years	18,04,000
9.	Dr. Ankur Solanki,	Development of Low Cost and Flexible Memristor Devices for High Density Data Storage and Neuromorphic Applications	Science and Engineering Research Board	3 years	71,24,832

10.	Dr. Pankaj Yadav	Mechano-chemical Synthesis of low cost and efficient Perovskite Solar cells	Gujarat Council on Science and Technology	3 years	34,35,520
Total					3,55,02,100

Research Projects completed

Sr.	Principal Investigator	Project	Sponsored	Total cost of Project (Rs.)
1	Dr. Anirban Das	Tracking Chromium (VI) migration in groundwater using stable isotopes of chromium	Department of Science & Technology	38,58,200.00
2	Dr. Samir Patel	Land Cover Classification of Polarimetric SAR Image/Data for Agricultural and Urban Region	Indian Space Research Organization	13,92,000.00
3	Dr. Kush Mehta	Development of dissimilar friction welding joint of higher pipe size for Al-SS and Cu-SS materials	Board of Research in Nuclear Sciences	24,95,650.00
4	Dr. Vishvesh Badheka	Development of full penetration CuOF to CuOF welding by GTAW for plate to pipe connection	Board of Research in Nuclear Sciences	30,50,900.00
5	Dr. Kalisadhan Mukherjee	Towards the Development of facilities for Studying the (a) Volatile organic Sensing Characteristics of Chemiresistive samples and (b) defluoridation performances of chemically modified ceramic adsorbants	Pandit Deendayal Energy University	10,00,000.00
6	Dr. Manish Chaturvedi	Advance Urban Public Transportation System	Science and Engineering Research Board	21,65,730.00
7	Dr. Ashish Joshi	Employees Happiness and Well-being at workplace in MSMEs in Gujarat State	Indian Council of Social Science Research	10,50,000.00
8	Dr. Bhawanisingh Desai	Global biodiversity, Evolution and Biogeographical Connections of Belemnites from the Southern and Northern Hemispheres around Early / Late	Department of Science & Technology	19,94,400.00

		Cretaceous Boundry		
9	Dr. Ashutosh Muduli	Occupational Health and Safety in the Healthcare Industry of Gujarat	Indian Council of Social Science Research	4,00,000.00
10	Dr. Nausheen Nizami	Analysing Impact of Automation on Employment: Assessment and Policy For IT-BPM Sector	Indian Council of Social Science Research	4,50,000.00
11	Dr. Akash Patel	A Study on Socio-Economic Impacts of Pradhan Mantri Ujjwala Yojana	Indian Council of Social Science Research	4,83,000.00
12	Dr. Neeta Sinha	An Exploratory Study on Employability of Transgenders in Gujarat	Indian Council of Social Science Research	7,50,000.00
Total Amount Rs.				1,90,89,880.00

Ph. D. Completed

Sr. No.	Name	Title of Thesis
1.	Agarwal Jatin Ravindrakumar	Wax Deposition Process in Crude Oil Pipelines (Flow Loops and Field Pipelines)
2.	Oza Ankit Dilipkumar	Novel Techniques to Improve the Traveling Wire Electrochemical Discharge Machining (TW-ECDM) Process
3.	Chaliyawala Harsh Anilbhai	Integration of camphor based Graphene/Si nanowires Schottky junction for photoactive application
4.	Mehta Krunal Mahendrabhai	Tribological characterization of Al 6061 surface composites manufactured using Friction Stir Processing
5.	Manmohansingh Gopalsingh Waldiya	2D assembly of nanostructured CdTe and Te by electrodeposition from room temperature ionic liquids (RTILs): in photoelectrochemical and biosensor applications
6.	Bhagat Dharini Kishorkumar	Fabrication of Schottky junction solar cell based on lead oxide thin films
7.	Pratikkumar Dilipkumar Patel	First Principle Investigations of Heusler compounds for Spintronics and Thermoelectric applications
8.	Writer Sharon Pervez	Sleep Quality Index and Personality Traits of College Students
9.	Bharti Saini	Synthesis and Characterization of Anti Fouling Ultrafiltration Membranes and Its Application in Wastewater Treatment
10.	Mumukshu H Trivedi	An Investigation of MHD Flow and Heat Transfer of Nanofluid over Stretching Surface
11.	Siddharth Tejpratap Shukla	Study on Effects of the Basel – III Accord Implementation on Indian Banks with Reference to Advance, Profitability, Capital Structure and Cost-benefit Analysis
12.	Chaudhari Rakesh Vasant	Experimental Investigations and Optimization of Electrical Discharge Machining Process Parameters for Shape Memory Alloys
13.	Karamta Meera Rana	Dynamic State Estimation of Power system with FACTS devices
14.	Dhandhia Astikkumar Kishorchandra	Development of Novel Algorithms towards Static Security Assessment in Power System using Artificial Intelligence
15.	Priyanka Marathey	Development of Nanostructured Copper Oxides for Photocathode and Supercapacitor Applications
16.	Leena Heistrene	Impact of Wind Power Forecasts on Revenue Insufficiency Issue of Electricity Markets
17.	Sakshi Pindoria	Study of Caregivers of Mental Health Patients in Gujarat: a Heuristic Approach
18.	Amrita Chakraborty	Digital India Initiative: A trend study on the public relation activities by the Government of India through social media with reference to Twitter while measuring the public opinion
19.	Mehta Parth Dinesh	Analysis of Innovative Composite Materials Using Analytical and Numerical Methods
20.	Dave Devanshi Dilipkumar	Mathematical Modeling and Simulation of Calcium Distribution in Alzheimeric Cells

21.	Dabhi Jaspalsinh B.	Experimental and Parametric Investigation on Silica Gel – Water Pair for Adsorption Cooling Application
22.	Tarur Jaikishan Balkrishna	Study of the effect of profanity used on social media on the voting pattern during the elections: A case study of Gujarat Legislative Assembly Election-2017
23.	Patel Vivek Bhagvandas	Experimental Investigation on Humidification-Dehumidification Water Desalination Technique Using Solar Energy
24.	Trivedi Maitrayee Umeshbhai	Cucurbituril Functionalized Nanomaterials for Water Treatment, Catalysis and Sensing Applications
25.	Madhu Bharti	Evaluation of Rural Housing Policy in India – A Case Study of Gujarat
26.	Himanshu Harkishandas Choksi	Synthesis of Heterogeneous Catalyst for the Production of Biodiesel and Its Optimization Study
27.	Chauhan Mihirsinh Kishorsinh	Investigating opto-electronic properties of organic and perovskite solar cells
28.	Asha Anil	Studies on Red Clays of Gujarat Region for Its Suitability in Vitrified Ceramics
29.	Susmita Ghosh	Exploring Antecedents and Outcomes of Learning Agility
30.	Chavda Ashokkumar Jivrajbhai	Application of Sweep Frequency Response Analysis for Health Monitoring of Power Transformers
31.	Mehta Payal Vatsal	Seismic Hazard Assessment of Vadodara Region
32.	Jani Ashutosh Sureshkumar	HR Technology and HR Transformation: A Study of Indian Organizations
33.	Alok Das	Wind and Solar Energy Policies in India: Analysis and Recommendations
34.	Patel Biren Kishor	Development of Electronic grade Cu ₂ SnS ₃ thin films by electro- and spray-deposition for solar cell application
35.	Sharma Anvita Ashok	Studies on Biodiesel Production from Waste Cooking Oil using Process Intensification Techniques
36.	Modi Bhaumik Rajeshkumar	Theoretical and Experimental Investigation of Vapour Absorption Refrigeration (VAR) System for Small Scale Applications
37.	Mehta Harshil D	Aftermath of 26/11 Mumbai Attacks: Role of Mumbai Police & Anti-Terrorism Squad (Mumbai Unit)
38.	Sakshum Khanna	Synthesis of One-Dimensional Nanostructures of Silicon/Titanium dioxide for Photoelectrochemical Application
39.	Vyas Kaustubh Atulkumar	Performance Analysis and Design Optimization of EHV/UHVAC Transmission Lines Considering Effects of Electric & Magnetic Fields and Corona
40.	Nikhil Kumar Jagjivan Chotai	Design and development of compressed air powered air engine
41.	Parwathi G. Pillai	Removal of fluoride contamination from ground water using nano adsorbent
42.	Kanhaiya Sharma	Investigations of Microstrip Antenna using Machine Learning

INNOVATION AND INCUBATION CENTRE

PDEU Innovation and Incubation Centre (formerly known as PDPU IIC) is an incubator at PDEU established in 2014. The Centre was formally established in 2017 u/s 8 of Companies Act, 2013, with a vision to provide state of the art support and service to innovators, technocrats and entrepreneurs who aim to create a social and economic pact in the society through innovative solutions to existing problems. The Centre acts complementary to the academic and research activities of the University. PDEU IIC has Incubated 130+ startups across 7 domains and generated more than 200 employment opportunities through Startups. The IIC Office has a specially designated area of 20,000 sq. ft. for the startups to work on.



130+
startups



80+
IPR



20,000+
sq. ft. area



40 DPIIT
registered startups

Recognized as:



NODAL INSTITUTE
GOVERNMENT OF GUJARAT



NIDHI Technology Business Incubator,
Department of Science
and Technology,
Government of India



Department of Science and Technology,
Government of India



Industries Commissionerate
Government of Gujarat

Supported by:



Education Department,
Government of Gujarat



Department of Science
and Technology
Government of Gujarat



NAAC 'A' Grade

PDEU PANDIT
DEENDAYAL
ENERGY
UNIVERSITY
GANDHINAGAR, GUJARAT

Formerly Pandit Deendayal Petroleum University (PDPU)

Achievements of IIC:

1. PDEU has been recognized in Top 5 in "University or deemed to be University (Private/Self-Financed)-Technical category" at National Level in ARIIA 2021 Ranking.
2. PDEU IIC has been rated with full star rating (4 out of 4 Star rating) in the Institution's Innovation Council 2020-21 by the Institution's Innovation Council 2020-2021 under the aegis of the Ministry of Education's Innovation Cell, Government of India.
3. With pride, we share the news of TorchIT Electronics Pvt. Ltd, a PDEU IIC incubated business managed by a PDEU alumnus, has been awarded the National Award 2020 by



Torch-IT Electronics Pvt. Ltd. and Imagine Powertree Pvt. Ltd. presented their startups at Shark Tank India



PDEU IIC has been awarded as Incubation Centre with Prominent IP Culture at IP - Hall of Fame Honours 2021 by IPPOF

H.E. The President of India. For its inventiveness, Torch-IT has received more than 45 national and international accolades.

4. The Centre has been awarded as “Incubation Centre of the Year for Prominent IP Culture” at IP Hall of Fame Honors by IP Promotion Outreach Foundation (IPPO), 2021.
5. Saltech Design Labs Pvt. Ltd. received USD 14,000 grant from Habitat for Humanity, USA to recycle COVID-19 waste.

- Conducted UPSC Civil Services-Mock Interview Session (Online).

Name: Veasal Dev Shivaji

UPSC Roll No.: 0100522

Date: 14th April, 2021

Panel Members: Dr. S Venkata Krishnan & Dr. Anurag Kumar Srivastava

- Three Candidates qualified for the interview (UPSC - Civil Services Exam 2020).

Name: Vasu Jain

UPSC Roll No.: 0820746

CCE Roll No.: 18CCE108

Name: Nirja Anish Shah

UPSC Roll No.: 0502056

CCE Roll No.: 18CCE090

Name: Babitarani Swain (Taken admission 2 times in CCE)

UPSC Roll No.: 1027486

CCE Roll No.: 16R/CCE/017, CCEA170119

EXPERTS' LECTURES

Sr. No.	Name of Department	Name of Expert	Designation & Organization	Topic	Date	Audience
1.	Management	Mr. Yograj Zala	Senior Consultant, Risk & Financial Advisory, Deloitte – San Francisco	Business Consulting	03/07/2020	M.B.A. Students & Faculty Members
2.	Management	Mr. Purav Bhatt	Lead - Digitalization, Siemens	Campus to Corporate	04/07/2020	M.B.A. Students & Faculty Members
3.	Management	Ms. Radhi Nair	Consultant & Content Strategy Specialist	Communication - A vital tool in Corporate World	07/07/2020	M.B.A. Students & Faculty Members
4.	Management	Mr. Nilesh Thakkar	Managing Director, Intellective Capital, Singapore	Experience Sharing	10/07/2020	M.B.A. Students & Faculty Members
5.	Management	Mr. Ajay Rawal	General Manager (Marketing), Raymond Consumer Care	Are You Valuable?	11/07/2020	M.B.A. Students & Faculty Members
6.	Management	Mr. Amit Shah	Regional Business Development Leader, Dow Chemicals - Netherland	Chemical Industry Perspective - Challenges & Opportunities	14/07/2020	M.B.A. Students & Faculty Members
7.	Management	Dr. Ravi Prakash Mathur	Director - SCM, Dr. Reddy's Laboratories	Challenges & Opportunities for Indian Pharmaceutical Sector	16/07/2020	M.B.A. Students & Faculty Members
8.	Management	Mrs. Sanju Thakur	DGM - HR, Future Retail Ltd.	Experience Sharing	17/07/2020	M.B.A. Students & Faculty Members
9.	Management	Mr. Ankit Sanghvi	CFA, FRM, Strategic and Reputational Risk at Canada Mortgage and Housing Corporation, Canada	Experience Sharing	18/07/2020	M.B.A. Students & Faculty Members
10.	Petroleum Engg.	Dr. Bhavini Upadhyay	Visiting Lecturer- Gujarat University	Interview Etiquette: How to Behave in an Interview	24/07/2020	B. Tech. Students
11.	Management	Mr. Kartikeya Pandey	Consultant, KPMG	Career in Oil & Gas, IT and	26/07/2020	M.B.A. Students &

				Management Consulting		Faculty Members
12.	Petroleum Engg.	Mr.SaketModi	Founder and Director-Square Mile Global Consulting Company	Impact of Exploration Activities on the Financial Statements of Oil and Gas Companies	29/08/2020	B. Tech. Students
13.	Petroleum Engg.	Mr. Saeed Al Mubarak	Chairman-SPE Digital Energy Technical Section	Digitalization in Oil and Gas	06/09/2020	B. Tech. Students
14.	Chemical Engg.	Dr. Vidhyadhar Gedam	Associate Professor, NITIE Mumbai	Environmental Impact Assessment (EIA) for Chemical Industry	06/09/2020	UG, PG & Ph.D. Students
15.	Mechanical Engg.	Mr. R.D. Chauhan	General Manager (Retd.), National Thermal power Corporation, Ahmedabad	Guest lecture on Simulation for the subject of Manufacturing and service system on the topic "Benefits of Simulation in thermal power plants	15/09/2020	B. Tech. Students
16.	Petroleum Engg.	Mr. Sunil Srivastava	OEC - Oil India Limited	Identification of Reserve Growth Opportunity and Improvement of Recovery in Mature Oil Fields	29/09/2020	B. Tech. Students
17.	Chemical Engg.	Dr. R Rajesh Nithyanandam	Professor, MSEC	An Insight of writing a high quality paper and proposal	04/10/2020	UG, PG & Ph.D. Students
18.	Petroleum Engg.	Dr.Niladri Kumar Mitra	Chief Advisor - McDermott International	Offshore Well Completions	23/10/2020	B. Tech. Students
19.	ICT	Dr. Ajay Upadhyay	Assitant Professor, AIT, Ahmedabad	Introduction to Cyber security and Ethical Hacking	26/10/2020	B. Tech. Students
20.	ICT	Mr. B.V. Budhdev, & Mr. Nilesh Ranpura	Professor, GEC Gandhinagar, ASIC Delivery Manager e-Infochip, Ahmedabad	Orientation program	30/10/2020	B. Tech. Students
21.	Chemical	Mr. Kavita	Buyer-	Overview of	01/11/2020	UG

	Engg.	Shah,	PETCHEM, RIL	procurement & contracting in supply chain management		Students
22.	Chemical Engg.	Dr. Kanubhai K. Parmar	Head, Energy Management, Reliance Industries ltd	Process Integration and Heat Exchanger Network: Part-1	04/11/2020	UG, PG & Ph.D. Students
23.	Chemical Engg.	Prof. Dibakar Rakshit	Associate Professor, IIT Delhi	Energy Conservation and its contribution towards Sustainable Development	04/11/2020	UG, PG & Ph.D. Students
24.	Petroleum Engg.	Dr.Damodara nVedapuri	Head (North American Operations) - Tridiagonal Solutions	Field Scale Multiphase Flows	06/11/2020	B. Tech. Students
25.	Petroleum Engg.	Dr. Kanubhai Parmar	Head (Energy Management) - Reliance Industries Ltd.	Operational Excellence in Petrochemical Complex	06/11/2020	B. Tech. Students
26.	Petroleum Engg.	Shri Omkar Nath Gyani	Executive Director, HOIRS, ONGC	Impact of COVID-19 on the Oil and Gas Industry	08/11/2020	B. Tech. Students
27.	Petroleum Engg.	Shri Jayant Malhotra	General Manager, Schlumberger	Impact of COVID-19 on the Oil and Gas Industry	08/11/2020	B. Tech. Students
28.	Petroleum Engg.	Shri SharadDubey	Director - Kuwait Drilling Fluids and Oil Services	Impact of COVID-19 on the Oil and Gas Industry	08/11/2020	B. Tech. Students
29.	Petroleum Engg.	Mr.Divyanshu Vyas	Data Science Analyst - Accenture Applied Intelligence	Well Test Analysis using Python	08/11/2020	B. Tech. Students
30.	Mechanical Engg.	Mr. Gaurav Lakhera	Gullco International India Pvt Ltd	“Significance of Welding Mechanization/ Automation” jointly with Gullco International India Pvt Ltd and IIW student chapter	24/12/2020	M. Tech. Students
31.	Mechanical Engg.	Dr. Ramesh Bhoraniya	Associate Professor, Marwadi	Webinar on “Thermodynamics – Air	26/12/2020	B. Tech. Students

			University, Rajkot	conditioning processes”		
32.	Mechanical Engg.	Mr Amrit Yoga	Sr. Manager-Marketing, Panasonic Smart Factory Solutions India jointly with Panasonic Smart Factory Solutions India (PSFSIN)	“Welding – Most lucrative career option for Engineers”	08/01/2021	M. Tech. Students
33.	Chemical Engg.	Prof. Swadhin Mandal	IISER	Carbon Capture, utilization and sequestration	11/01/2021	UG, PG & Ph.D. Students
34.	ICT	Mr. Gopal Bharvad, & Ms. Pooja Kadia	CEO, Octopus Protocol, Ahmedabad, & Lead content strategist	Overview of Blockchain Technology	20/01/2021	B. Tech. Students
35.	Solar Energy	Prof. Bonamali Pal	Thapar University	Webinar on Superior Co-catalytic effect of Bi-metallic Nanoparticle	22/01/2021	B. Tech., M. Tech. Students & Faculty Members
36.	Management	Mr. Abhishek Singh	Manager - EHS & Assest Integrity, Torrent Gas	Asset Integrity and Process Safety	23/01/2021	M.B.A. Students & Faculty Members
37.	Solar Energy	Dr. Rupak Banerjee	IIT Gandhinagar	Webinar on Nanotechnology in Energy Research: Plasmonic effects in organic photovoltaics	23/01/2021	B. Tech., M. Tech. Students & Faculty Members
38.	Mechanical Engg.	Mr. Amrit Yoga	Sr. Manager-Marketing, Panasonic Smart Factory Solutions India jointly with Panasonic Smart Factory Solutions India (PSFSIN)	Welding process training – MIG/MAG welding	29/01/2021	B. Tech. Students
39.	Solar Energy	Dr. Dinesh Kabra & Dr. Asit B Panda	IIT Bombay & National Metallurgical Lab (CSIR), Jamshedpur	Webinar on Emerging Photonic material for thin film solar cell technology	29/01/2021	B. Tech., M. Tech. Students & Faculty Members
40.	Solar Energy	Dr. Sanjeev K Gupta	St. Xavier's College, Ahmedabad	Webinar on Advances in two-	30/01/2021	B. Tech., M. Tech. Students &

				dimensional hybrid pervoskite materials: Ab-initio approaches		Faculty Members
41.	Chemical Engg.	Mr. Chirag Shah	Senior Manager Worley India Ltd.	Industrial Expert Lecture on “Process Piping Engineering and Safety”	05/02/2021	UG, PG & Ph.D. Students
42.	Chemical Engg.	Dr. Bibekananda Basu	Retd, GM Reliance, Group, Ex-Scientist, BTRA, Mumbai	The Scope and Challenges of chemical engineers in the industries	06/02/2021	UG, PG & Ph.D. Students
43.	Electrical Engg.	Er. K M Kaushik	Founder & CEO, Hiresun Energy (P) Limited	Solar Energy	06/02/2021	B. Tech. & M. Tech. Students
44.	Petroleum Engg.	Mr. Harsh Patel	Process Data Engineer - Shell Business Operations	Research Paper Workshop	10/02/2021	B. Tech. Students
45.	Management	Mr. Ronak Sani	Associate, AWR Lloyd	Importance of SIP in MBA	13/02/2021	M.B.A. Students & Faculty Members
46.	ICT	Mr. Dinesh Jangid, Dr. Shakti Mishra, Dr. Hardik Patel, & Dr. Gangaprasad Pandey	Scientist E, SAC, ISRO, Ahmedabad, & Faculty PDEU	National Workshop on Machine Learning Applications in ICT	13/02/2021	B. Tech. Students
47.	Chemical Engg.	Dr. Vipin Dhyani,	Deputy Manager, R&D, Eicher Engines, Alwar	Industrial Expert Lecture on Biofuels and their applications	13/02/2021	UG, PG & Ph.D. Students
48.	Management	Mr. Rajat Kapoor	MD - Oil & Gas, AWR Lloyd	The Energy Scenario in a post-covid world	14/02/2021	M.B.A. Students & Faculty Members
49.	Electrical Engg.	Mr. Charlie Tomlinson, Mr. Dave Meseck & Mr. Aditya Naik	Head of Construction, Engineering and Energy, Kuits Solicitors, UK Synenergy Global, UK Chief Technical	Webinar on Circular Economy with Waste to Energy Generation and Waste as Commodity	17/02/2021	B. Tech. & M. Tech. Students

			Officer, Sinoman Flofix, UK			
50.	Management	Mr. Darshan Soni	Founder, Neet Vasant Pvt Ltd	Entrepreneurship/Intrapreneurship	20/02/2021	M.B.A. Students & Faculty Members
51.	Management	Mr. Vivek Bansal	Group CEO, COMACOE	Marine Construction Industry: An overview	20/02/2021	M.B.A. Students & Faculty Members
52.	Civil Engg.	Dr. Arif Ali Baig Moghal	Associate Professor, NIT Warangal	Expert Lecture on Understanding the heavy metal retention behaviour of chemically stabilized semi-arid soils	20/02/2021	B. Tech. Students
53.	Civil Engg.	Mr. Vivek Kapadia	Secretary and President GOG, India chapter of the international Geosynthetics society	Webinar on Geosynthetics for Civil Engineers	20/02/2021	B. Tech. Students
54.	Chemical Engg.	Prof. G Pugazhenti,	Professor IIT Guwahati, Assam	Development of low cost tubular ceramic membranes for wastewater treatment	23/02/2021	UG, PG & Ph.D. Students
55.	Solar Energy	Dr. Bijan Das	Professor, Dept. of Chemistry, Presidency University Kolkata	Webinar on Size & Charge of Polyelectrolytes in solutions	26/02/2021	B. Tech., M. Tech. Students & Faculty Members
56.	Computer Engg.	Dr. Mahesh M. Goyani,	Assistant Professor, Dept. of Computer Engineering GEC, Modasa	Hands-On Practices with Data Mining Tool - (Tool Name: Rapid Miner)	26th & 27th February 2021	B. Tech. & M. Tech. Students
57.	Civil Engg.	Mr. Satyen Navinchandra, & Dr. Chandra Bogireddy	Founder and Director, YHONK, Assistant Professor, Vardhaman College of Engineering, Hyderabad	Expert Lecture on Just Like Pollution under control (PUC) should be also have law on noise under control (NUC)	02/03/2021	B. Tech. Students
58.	Civil Engg.	Dr. Chandra Bogireddy	Assistant Professor, Vardhaman College of	Significance of Geology in Civil	02/03/2021	B. Tech. Students

			Engineering, Hyderabad	Engineering		
59.	Electrical Engg.	Mr. Dhruvesh M. Mehta	Assistant Manager –Technology, TBEA Energy (India) Pvt. Ltd. Vadodara	High Performance Energy efficient and low cost Transformers	12/03/2021	B. Tech. & M. Tech. Students
60.	Management	Mr. Simarpreet Singh	Director, Hartek Group	Moving towards Sustainable and Smart India	13/03/2021	M.B.A. Students & Faculty Members
61.	Computer Engg.	Mr Ajinkya Kolhe	Data Science Instructor, Google INC, Mumbai	A Complete Road Map To Crack Job with Dream Employer like Google, Facebook and Amazon	13/03/2021	B. Tech. Students
62.	Mechanical Engg.	Dr. K. Balaraman	Director General of National Institute of Wind Energy, Government of India	expert talk under ASME Student chapter, PDEU titled “Global transition towards sustainable energy-research opportunities”	13/03/2021	B. Tech. Students
63.	Solar Energy	Dr. Seckin Akin	Assistant Professor, Karmanoglu Mehmetbey University, Department of metallurgy and materials engineering, Turkey	Webinar on Challenges and Opportunities in Perovskite Solar Cell	18/03/2021	B. Tech., M. Tech. Students & Faculty Members
64.	Electrical Engg.	Ms. Sweta Malik	Research Fellow, National University of Ireland, Galaway	Smart grid through peer to peer power sharing	26/03/2021	B. Tech. & M. Tech. Students
65.	Petroleum Engg.	Shri Rahul Bali	General Manager - ONGC	Transition of India Towards a Gas Based Economy	27/03/2021	B. Tech. Students
66.	Electrical Engg.	Dr. H L kushwaha	Research scientist, Indian Agricultural Research Institute	Robotic and mechatronic applications in agriculture	27/03/2021	B. Tech. & M. Tech. Students
67.	Computer Engg.	Dr. B V Buddhdev	Retired Professor, L.D. College of	Block Chain with Hands-on	27th & 28th	B. Tech. & M. Tech.

			Engineering, Ahmedabad	Approach	March 2021	Students
68.	ICT	Dr. Ashish Jani	Associate Professor, PSSU, Kosamba, Surat	Data Analytics with Python	5th & 6th April 2021	B. Tech. Students
69.	Mechanical Engg.	Dr. Ramesh Guduru	IIT Hyderabad	Expert lecture on – “Energy Storage: Faradiac and Non-Faradiac Electrodes” – IIT Hyderabad	07/04/2021	B. Tech. Students
70.	Mechanical Engg.	Mr. Sasianand Parthasarathy	Fronious	guest lecture on CMT based Wire Arc Additive Manufacturing v Process and Applications	14/04/2021	M. Tech. Students
71.	Management	Ms. Forum Marfatia	Digital Media Marketing Trainer, Coach & Public Speaker	Roadmap to get success in Digital Marketing	17/04/2021	M.B.A. Students & Faculty Members
72.	Computer Engg.	Dr. Mahipal Jadeja	Assistant Professor, MNIT Jaipur	Social Network Analysis with Hands on Approach	17th & 18th April 2021	B. Tech. & M. Tech. Students
73.	Management	Mr. Mohit Gupta	Associate Vice President, HSBC	Introduction to Banking	18/04/2021	M.B.A. Students & Faculty Members
74.	Mechanical Engg.	Dr.Shabbir Memon	L&T Technology Services, MN, USA	Webinar on ‘Current Electrification and IoT Trends in USA’	22/04/2021	B. Tech. Students
75.	Electrical Engg.	Mr.Chandan Kumar	Manager, ERLDC, POSOCO	Electricity act- 2003, Role and Responsibilities of LDC	23/04/2021	B. Tech. & M. Tech. Students
76.	Electrical Engg.	Mr. Elijah Toppo	Data Scientist, Airbus Group India Limited	Practical applications of microcontroller s	24/04/2021	B. Tech. & M. Tech. Students
77.	Petroleum Engg.	Mr.AbhijeetA nand	Manager - Schlumberger	Finding your Fit in the Evolving Energy Industry	29/04/2021	B. Tech. Students
78.	Electrical Engg.	Mr. Sanjay Mahagaonkar	General Manager, Rotomotive Powerdrives India Ltd.	Advanced Motors	30/04/2021	B. Tech. & M. Tech. Students
79.	Electrical	Mr.Surya	Dy.Manager,	Practical	30/04/2021	B. Tech. &

	Engg.	Kumar	External Services, BHEL, Hyderabad	Aspects of Synchronous Machine		M. Tech. Students
80.	Electrical Engg.	Dr. Charles S.	Manager, Automotive Engineering, Solutions, DANLAW, Bangalore	Electric Vehicels : Oppurtunities and Challanges	30/04/2021	B. Tech. & M. Tech. Students
81.	Chemical Engg.	Dr. Sanjiv Dharwadkar	Ex Professor,SRICT	Safety stands topmost priority always	03/05/2021	All
82.	Mechanical Engg.	Dr. T Ram Prabhu	DRDO	Tribological behaviour of Layer Composites for Brakes	05/05/2021	B. Tech. Students
83.	Mechanical Engg.	Prof. T K Pal	Ex-Jadavpur University, Kolkata	Weldiability of Ferrous Materials	19/05/2021	B. Tech. Students
84.	Chemical Engg.	Dr. Mohammad Khalid	Graphene & 2D Materials research centre, Sunway University	Super lubricity towards zero friction	04/06/2021	UG, PG & Ph.D. Students
85.	Chemical Engg.	Mr. Viral Desai	CEO,Zenitex	Environment Day Celebration : Ecosystem Restoration	05/06/2021	All
86.	Mathematics	Dr. Niraj Pathak	Assistant Professor, Dharmsinh Desai University, Nadiad	Wonders of Mathematics	06/06/2021	B.Tech., M.Tech., B.Sc., M.Sc., Ph.D. Students & Faculty Members
87.	Management	Mr. Sangeet Paul Choudhary	Founder & CEO of Platformation Labs	Career Planning Interaction and sharing of valuable experiences	07/06/2021	M.B.A. Students & Faculty Members
88.	Management	Mr. Sangeet Paul Choudhary	Founder & CEO of Platformation Labs	Career Planning Interaction and sharing of valuable experiences	07/06/2021	M.B.A. Students & Faculty Members
89.	Mathematics	Dr. Arunava Roy	Research Scientist,Monarch University	National Webinar on Applied and Computational Mathematics: Future Perspectives	12/06/2021	B.Sc. Students

				Meeting		
90.	Petroleum Engg.	Dr. Hussain H. Ahmed	Associate Professor - American University of Sharjah	Well Completion and Stimulation Technology	16/06/2021	B. Tech. Students
91.	Solar Energy	Dr. Asit Panda	Principal Scientist, National Metallurgical Lab (CSIR), Jamshedpur	Webinar on Synthesis of Nanomaterials and their applications in Energy generation	18/06/2021	B. Tech., M. Tech. Students & Faculty Members
92.	Chemical Engg.	Dr. Rahul Bhosale, Dr. Kanubhai Parmar,	Associate Professor, Ex. Qatar University-Reliance Industries limited, Vadodara	Hydrogen Energy and fuels	18th & 19 June 2021	UG, PG & Ph.D. Students
93.	Chemical Engg.	Dr. Kanubhai Parmar	Ex Head Energy Management, RIL, Vadodara	Hydrogen pinch in industry	19/06/2021	UG, PG & Ph.D. Students
94.	Mathematics	Dr. Ritima Das	Ramanujan Fellow, University of Hyderabad	National Seminar on Mathematics and its role in Science and Technology for Societal Needs	19/06/2021	B.Sc. Students
95.	Computer Engg.	Dr. Devanshu Shukla	Software Engineer, Hackveda, Noida	Web Development using Java/Python	21st & 22nd June 2021	B. Tech. Students
96.	Mathematics	Dr. Ather Raina, Dr. Preeti Dubey,	Associate Professor University of San Francisco,	Opportunities and Prospects in Mathematics for Young Enthusiastic	27/06/2021	B.Tech., M.Tech., B.Sc., Ph.D. Students

STUDENTS' ACHIEVEMENTS

Sr. No.	Name	Program Name	Particulars	Date
1	Hunny Bhagchandani	B.Tech.	Received recognition for his start up "Torch-IT" through IIC	17/08/2020
2	Hunny Bhagchandani	B.Tech.	Received recognition for his start up "Torch-IT" through IIC	17/08/2020
3	Tushar Patil	Ph.D.	Best paper award	12/09/2020
4	Siddh Bhatt	B.Tech.	Participated in Industrial Design Problem and secured 3rd position in VIT-20 an International Techno-Management Carnival	1st to 4th October 2020
5	Pranjal Goyal	B.Tech.	NCAT(National creativity aptitude test) - AIR 2	19/10/2020
6	Anjali Thaker	B.Tech.	Worked as Campus Ambassador for A National Level Chemical Engineering Quiz (CHEM-O-PHILIA)	24/10/2020

7	Shikar Srivastava	B.Tech.	Participated and secured 1st Position in A National Level Chemical Engineering Quiz (CHEM-O-PHILIA)	24/10/2020
8	Harsh Pancholi	B.Tech.	Secured 2nd Position in A National Level Chemical Engineering Quiz (CHEM-O-PHILIA)	24/10/2020
9	Jimit Patel	B.Tech.	Secured 3 rd Position in A National Level Chemical Engineering Quiz (CHEM-O-PHILIA)	24/10/2020
10	Kartik Umat	B.Tech.	IELTS	31/10/2020
11	Avani Makhesana & Prachi Desai	B.Tech.	Secured 1 st Rank in Chemfluence quiz event during SPE Fest 2020	5th to 8th November 2020
12	Thakkar MehulKumar Prabodhchandra	B.Tech.	CAT	29/11/2020
13	Shah Arya	B.Tech.	Got placed in Infosys	01/12/2020
14	Raj Parikh	B.Tech.	Got placed in Infosys	01/12/2020
15	Vinod Suthar	B.Tech.	Got placed in Ernst & Young	01/12/2020

16	Het Naik	B.Tech.	Felicited by Smart Village Movement, and initiate by UC Berkeley, for his project 'Salesforce Trailblazer Labs' and presented it to Department IAS, Meghalaya	08/12/2020
17	Komal Desai	Ph.D.	Best paper award	29/12/2020
18	Jill Barot	B. Tech.	Represented Gujarat in National youth parliament festival, 2021, organised by Ministry of Youth Affairs and Sports. GoI	12/01/2021
19	Kushal Shah	B.Tech.	GATE Qualified	15/02/2021
20	Zeel Asti	B.Tech.	GATE Qualified	15/02/2021
21	Tanmay Sanghvi	B.Tech.	GATE Qualified	15/02/2021
22	Brijesh Khunt	B.Tech.	GATE Qualified	15/02/2021
23	Chirag Shir	B.Tech.	GATE Qualified	15/02/2021
24	AvaniMakhesana	B.Tech.	GATE Qualified	15/02/2021
25	Vinod Suthar	B.Tech.	GATE Qualified	15/02/2021
26	Shreya Singh	B.Tech.	GATE Qualified	15/02/2021
27	Chahat Jain	B.Tech.	GATE Qualified	15/02/2021
28	ShrushtiBarvaliya	B.Tech.	GATE Qualified	15/02/2021
29	Neliansh Saxena	B.Tech.	GATE Qualified	15/02/2021
30	Komal Desai	Ph.D.	Got best paper presentation in NFEES 2021	28/02/2021

31	Het Naik	B.Tech.	Felicitated under Chief Minister of Gujarat in WEstart Meet for his startup 'Seatizen'	08/03/2021
32	Prithviraj kanaujia	B.Tech.	Felicitated under Chief Minibster of Gujarat in WEstart Meet for his startup 'Seatizen'	08/03/2021
33	Ayushkumar Satishkumar Patel	B.Tech.	GATE All India Rank - 01	19/03/2021
34	Mahammadtaukir Alauddinbhai Karigar	B.Tech.	GATE All India Rank - 88	19/03/2021
35	Pranav Kumar DhruKumar Hajariwala	B.Tech.	GATE All India Rank - 497	19/03/2021
36	Ashish Gupta	B.Tech.	GATE All India Rank - 310	19/03/2021
37	Vaidik Bipinbhai Patel	B.Tech.	GATEAll India Rank - 375	19/03/2021
38	Dixit Kumar BharatbhaiSabhani	B.Tech.	GATE All India Rank - 240	19/03/2021
39	Mohamadsaif Asif Iqbal Mansuri	B.Tech.	GATE All India Rank - 221	19/03/2021
40	Bhumin Kumar Mahasukh Baraiya	B.Tech.	GATE All India Rank - 108	19/03/2021
41	Rutvik Chandubhai Navadiya	B.Tech.	GATE All India Rank - 22	19/03/2021
42	Jamin Kumar Maheshbhau Vasava	B.Tech.	GATE All India Rank - 423	19/03/2021
43	Chirag Popatbhai	B.Tech.	GATE All India	19/03/2021

	Bhadiyadra		Rank - 153	
44	Ayush Kumar Satish Kumar Patel	B.Tech.	GATE All India Rank - 954	19/03/2021
45	Hasmitabeen Karmanbhai Kadavla	B.Tech.	GATE All India Rank - 289	19/03/2021
46	Sorathiya Kapil Khimjibhai	B.Tech.	GATE All India Rank - 310	19/03/2021
47	Shani M Suthar	B.Tech.	GATE All India Rank - 576	19/03/2021
48	Jenisgiri Shivgiri Goswami	B.Tech.	GATE All India Rank - 542	19/03/2021
49	Yatri Ketan Kumar Shah	B.Tech.	GATE All India Rank - 316	19/03/2021
50	Sunidhi Mishra	B.Tech.	Got placement in Earnest and Young	06/04/2021
51	Yashvi Sheth	M.Tech.	Got PhD Admission at Centre of Nanotechnology, IIT Mumbai	01/05/2021
52	Rushik Radadiya	Departments of Physics, Chemistry & Mathematics	Webinar on “Climate change: vital signs of the planet”	08/05/2021
53	Jeny D Gosai	B.Tech.	Webinar on “Material Science & Engineering – Current Trends & Future Prospects”	08/05/2021

54	Utsav Mehta	B.Tech.	Achieved All India Rank 6 as a team in ProGeek Cup 2021 organized by GeeksforGeeks	10/05/2021
55	Hardeep Patel	B.Tech.	Achieved All India Rank 6 as a team in ProGeek Cup 2021 organized by GeeksforGeeks	10/05/2021
56	Nikunj Kumar Vagadiya	B.Tech.	8th Computational Chemistry Workshop 2021 under AIMs (Anubhav Inspiring Masterminds) Institute, Delhi, India	24th to 28th May 2021
57	Jeny D Gosai	B.Tech.	Webinar on “Current and emerging career opportunities in chemistry”	05/06/2021

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

Sr. No.	Name	Roll No.	Conference/Seminar / workshop	Date	Country
1.	Kairav Parmar, Vishvesh Badheka	16BME159D	Recent Advances in Manufacturing organised by Mechanical Engineering Dept, SVNIT, Surat	3rd to 5th July 2020	India
2.	Rutvik Ghiya, Vishvesh Badheka	17BME088	Recent Advances in Manufacturing organised by Mechanical Engineering Dept, SVNIT, Surat	3rd to 5th July 2020	India
3.	Ankit Oza	15RIE001	Recent Advances in Manufacturing organised by Mechanical Engineering Dept, SVNIT, Surat	3rd to 5th July 2020	India
4.	Meet Gor, Harsh Soni, Gautam Singh Rajput, Honey Shah, Pankaj Sahlot	19MMM013	2nd International Conference on Future Learning Aspects of Mechanical Engineering (FLAME -2020)	5th to 7th August 2020	India
5.	Siddhi Vinayak Pandey	21MSE004	2nd International Conference on Future Learning Aspects of Mechanical Engineerin - Paper Presentation	5th to 7th August 2020	India
6.	Parwathi Pillai	17RCH001	Presented paper on "Rice husk derived silica Nano doped on calcium peroxide" for fluoride removal from ground water" in 2nd International Nano-symposium	14th & 15th July 2020	UK
7.	Vishal Dhakane	18MNE011	Mas International European Conference On Mathematics engineering-Natural & Medical Sciences-XII)	18th & 19th July 2020	Turkey
8.	Roma Patel	18RSE001	Recent Advancements in Materials science	30th to 31st July & 1st	India

			and Nanotechnology (RAMAN - 2020) - Oral presentation	August 2020	
9.	Suresh Kumar Vemuri	20RSE001	Recent Advancements in Materials science and Nanotechnology (RAMAN - 2020) - Oral presentation	30th to 31st July & 1st August 2020	India
10.	Aziz Lokhandwala	19BSC017	International Conference on Mathematical Advances and Applications,2020	August–2020	India
11.	Deepika M. Harwani	18RME001	International Conference on Recent Advances in Mechanical Infrastructure (ICRAM-2020)	21st to 23rd August 2020	India
12.	Shlok Shah	18BSC027	1st International Conference on Mathematical Modelling, Computational Intelligence Techniques and Renewable Energy-2020.	21st to 23rd February 2020	India
13.	Shubham Saraf	19RPE010	3rd International Oil & Gas Chemistry, Chemicals, and Additives Conference (IOGAC 2020),	24th to 26th September 2020	India
14.	Shivshambhu Kumar	18RPE004	3rd International Oil & Gas Chemistry, Chemicals, and Additives Conference (IOGAC 2020),	24th to 26th September 2020	India
15.	Jayantkumar Jalandar Patil	19MCH005	Effect of particle size and concentration of fly ash on the properties of polymer composite,	9th & 10th October 2020	India
16.	Sooraj SV	19MCH014	Study and Analysis of Physical and Thermal Properties of biopolymeric composites and effects of the composition change on the properties of the biopolymeric composites	9th & 10th October 2020	India

17.	Prachi Shah	17BCH044	Recent developments in functionalized polymeric membrane,	9th & 10th October 2020	India
18.	Abhishek A. Kagalkar	19MCH001	A Review on Stability of Nano-enhanced Phase Change Materials	9th & 10th October 2020	India
19.	Hamzah A. Menem	19MCH019	Review on Nano Enhanced Phase Change Materials for Storage Applications	9th & 10th October 2020	India
20.	Siddhant Gohil	19MCH012	Effect of inorganic salt on the structure and dynamics of stereoregular isomers of poly(methacrylic acid) in dilute aqueous solutions - A molecular dynamics simulation study	10th & 11th October 2020	India
21.	Vrutang Shah, &Yashraj Dholakia	17BPE116	Geochemical and Geothermometry study on hot water springs for understanding prospectively of low enthalpy reservoirs of Dholera Geothermal Field	14/10/2020	India
22.	MeghSanghani	19MCH007	Technological Applications Of Superhydrophobic Coatings: Needs And Challenges	27th & 29th December 2020	India
23.	Roma Patel	18RSE001	6th International Conference on Nanoscience and Nanotechnology (ICONN-2021) - Poster presentation	1st to 3rd February 2021	India
24.	Prerna Vinchhi	19RSE004	6th International Conference on Nanoscience and Nanotechnology (ICONN-2021) - Poster Presentation	1st to 3rd February 2021	India
25.	Suresh Kumar Vemuri	20RSE002	6th International Conference on Nanoscience and Nanotechnology (ICONN-2021) - Poster Presentation	1st to 3rd February 2021	India

26.	Nisarg Kapkar	18BCP069	MMCITRE 2021	6th to 8th February 2021	India
27.	Hetvi Shah, Vishva Bhatt	18BIT031 & 18BIT042	2nd International Conference on Mathematical Modeling, Computational Intelligence Techniques and Renewable Energy (MMCITRE-2021)	6th to 8th February 2021	India
28.	Suvik Oza	21RCH003	Analysis of RSM based BBD and CCD techniques applied for biodiesel production from waste cotton-seed cooking oil via ultrasound method', National conference 'New Frontiers in Energy and Environmental Sustainability (NFEES-2021)', PDEU	27th & 28th February 2021	India
29.	Nirav Prajapati	21RCH006	Comparison of optimization results of applied RSM based Full Factorial Design (FFD) and Central Composite Design (CCD) methods for biodiesel production from waste cooking oil using microwave assisted method catalysed by CaO, National conference 'New Frontiers in Energy and Environmental Sustainability 2021' NFEES 2021, PDEU	27th & 28th February 2021	India
30.	Abhishek Kagalkar	19MCH001	A review on application Phase Change Materials for Building Energy Conservation, New Frontiers in Energy and Environmental Sustainability (NFEES-2021)	27th & 28th February 2021	India

31.	Hamzah Salah & Abdul Menem	19MCH019	A Review on Medium Temperature Application of Nano Enhanced Phase Change Materials (NEPCMs), New Frontiers in Energy and Environmental Sustainability (NFEES-2021)	27th & 28th Febreary 2021	India
32.	Komal Desai	18RCH002	Effectiveness of triphenyl methyl phosphoniumtosylate as a catalyst and extractant in ultra-sound -assisted oxidative desulfurization of fuel, New Frontiers in Energy and Environmental Sustainability (NFEES-2021)	27th & 28th Febreary 2021	India
33.	Deepika Davuluri and Vardhan Agrawal ,	19MNE002 and 19MNE009	New Frontiers in Energy and Environmental Sustainability	27th & 28th Febreary 2021	India
34.	Parwathi Pillai	17RCH001	Exploring Recent Trends in Chemical Engineering	27th to 29th Febreary 2021	India
35.	Nirav Prajapati & Suvik Oza	21RCH006 & 21RCH003	An Ultrasound-Assisted Process for the Optimization of Biodiesel Production from Waste Cottonseed Cooking Oil Using Response Sur-face Methodology', International Conference on – Green Technologies for Sustainable Development 2021, Dharmsinh Desai University(DDU), Nadiad	9th & 11th March 2021	India
36.	Suryapratapsing h Bhadauria	19RPE012	Green Technologies for Sustainable Development (GTSD-2021), Dharamsinh Desai University	9th to 11th March 2021	India
37.	Shubham Saraf	19RPE010	Indo Canadian Research Conclave on	12th & 13th March 2021	India

			Sustainable Approaches to Carbon Capture Sequestration and Utilization		
38.	Neel gandhi	18BIT078	Proceedings of 2nd IEEE International Conference on Computational Intelligence and Knowledge Economy, ICCIKE 2021	17-18 March 2021	India
39.	Senjaliya Yash	21 MSC P07	Internatuinal conference on Emerging Trends in Material Science-2021 (ETMS-2021)	22nd & 23rd March 2021	India
40.	Nirav Prajapati & Suvik Oza	21RCH006 & 21RCH003	Comparison of RSM based optimization techniques for bio-diesel production using the microwave-assisted method', Advances in Thermal Fluid Engineering conference , PDEU	25th & 26th March 2021	India
41.	Jay Patel	19RME001	Conference on Advances in Thermal-Fluids Engineering (ATFE 2021)	25th & 26th March 2021	India
42.	Dipak Ankoliya, Anurag Mudgal, Manish Kumar Sinha, Vivek K. Patel and Jatin Patel	20RME001	ATFE-2021-44	25th & 26th March 2021	India
43.	Milan Raninga, Anurag Mudgal, Vivek K. Patel and Jatin Patel,	20RME004	ATFE-2021-45	25th & 26th March 2021	India
44.	Arihant Kamdar	18BIT004	International Conference on Artificial Intelligence and Smart Systems (ICAIS 2021)	25th to 27th March 2021	India
45.	Chaudhari Nilam	16BCP079D	Data Analytics with python	5th & 6th April 2021	India
46.	Vaibhav Patel and Deepika Davuluri	19MNE006 and 19MNE002	Technological Innovations in Mechanical Engineering (TIME-	16th & 17th April 2021	India

			2021)		
47.	Shaanya Singh	18BCP103	RAAI 2021, AIMV 2021	21st to 23rd April 2021	Hong Kong
48.	Kamal Sood	13BCH051	4th Annual Congress on Biofuels and Bioenergy, Dubai, UAE	27th to 28th April 2017	UAE
49.	Kamal Sood	13BCH051	4th Annual Congress on Biofuels and Bioenergy, Dubai, UAE	27th to 28th April 2017	UAE
50.	Parwathi Pillai	17RCH001	Conference on Zeolitic Imidazolate Framework-8 as promising Nano-particles for arsenic removal from aqueous solution, International Journal of Nanotechnology (IJNT), Vol. 18	01/05/2021	Switzerland
51.	Suvik Oza	21RCH003	Analysis of RSM method for optimization of Ultrasound-assisted KOH catalysed biodiesel production from waste cotton-seed cooking oil', 2nd International Conference on Mathematical Modelling, Computational Intelligence Techniques and Renewable Energy (MMCITRE) PDEU	6th & 8th May 2021	India
52.	Nirav Prajapati	21RCH006	Comparison of optimization results of applied RSM methods for transesterification of waste cooking oil using microwave assisted method catalysed by CaO, 2nd International Conference on Mathematical Modelling, Computational	6th & 8th May 2021	India

			Intelligence Techniques		
53.	Riti Shrivastava	17BSC001	International virtual conference on frontiers in chemical science organised by MLSU, Rajasthan. (Poster presentation)	25/06/2021	India
54.	Rushik Radadiya	20MSCC04	International virtual conference on frontiers in chemical science organised by MLSU, Rajasthan. (Poster presentation)	25/06/2021	India
55.	Krunal Parekh	20RCY003	International virtual conference on frontiers in chemical science organised by MLSU, Rajasthan. (Poster presentation)	25/06/2021	India
56.	Abhishek Rupareliya	17BSC020	International virtual conference on frontiers in chemical science organised by MLSU, Rajasthan. (Poster presentation)	25/06/2021	India

Conferences/ Workshops /Seminars/Conclaves

Sr. No.	Discipline	Subject Area/Title	Type (Conferences/ Workshops / Seminars/ Conclaves)	Level (State / National/ Int. National)	Duration
1.	ICT	How to Protect Intellectual Properties	Certificate Training	National	13th July to 18th July 2020
2.	ICT	RF Energy Harvesting Systems, REHS-2020	Workshop	International	17th to 21st July 2020
3.	Mechanical	62-IIRS Outreach Programme on Geospatial inputs for Enabling Master Plan Formulation	Seminar	National	27th to 31st July 2020
4.	Mechanical	63-IIRS Outreach Programme on RS Applications in Agricultural Water Management	Seminar	National	3rd to 7th August 2020
5.	Mechanical	Counselling Session for M. Tech Mechanical Engineering	Workshop	State	14/08/2020
6.	Electrical	e-Training on Green Technologies For Sustainable Energy Systems: Success Stories & Way Forward, in association with National Productivity Council	Workshop	National	14th to 22nd September 2020
7.	Mechanical	One day workshop on “Revisiting CFD: An introduction to ANSYS Workbench, Matlab, and OpenFOAM” conducted in association with ASME student	Workshop	State	15/09/2020

		chapter on occasion of Engineers' day by Dr Anirudh Kulkarni			
8.	Mathematics	2 Day Online Workshop on Scientific Document Preparation System: LaTeX	Workshop	National	16th & 17th October 2020
9.	Mechanical	One Day National Conclave on Industry 4.0	Conclave	National	17/10/2020
10.	Mechanical	One week online workshop on "Modelling Approach in Micro-Machining Processes"	Workshop	National	26th to 30th October 2020
11.	Mechanical	An "Interactive session with first year M. Tech (Manufacturing Technology) students conducted on 'Self-Professional Introduction'"	Webinar	State	13/11/2020
12.	Civil	3 days online workshop of AUTOCAD2D	Workshop	National	4th to 6th December 2020
13.	Management	Business Analytics and Blockchain Conclave	Conclave	National	18/12/2020
14.	Mathematics	Solution of Differential Equations and Its Applications	STTP	National	4th to 8th January 2021
15.	Petroleum	MSME Technology development center on basic chemical technology petroleum	Training	National	20/01/2021
16.	Petroleum	5th International Geothermal Conference	Conference	International	21/01/2021
17.	Solar	Webinar on Advance processing on	Webinar	National	22nd to 23rd & 29th to 30th January

		Nanomaterials for solar energy Conversion			2021 & 26th February 2021
18.	Mathematics	International Conference on Mathematical Modelling, Computational Intelligence Techniques and Renewable Energy (MMCITRE2021)	Conference	International	6th to 08th February 2021
19.	Chemistry	The She of Science World	Webinar	National	08/02/2021
20.	Civil	02 days online workshop of REVIT	Workshop	National	13th & 14th February 2021
21.	ICT	Financial Modeling and Valuation	Workshop	National	14/02/2021
22.	Petroleum	MSME Technology development center on basic chemical technology petroleum	Workshop	National	20/02/2021
23.	Electrical	Power System Analysis Software Under IEEE students chapters	Workshop	National	25th to 26th February 2021
24.	Mathematics	3-Days Online Workshop on Advanced Numerical Techniques in Science and Engineering (ANTSE-2021)	Workshop	National	26th to 28th February 2021
25.	Chemical	New Frontiers in Energy and Environmental Sustainability - NFEES2021	Conference	International	27th & 28th February 2021
26.	Chemistry	Quiz on National Science day	Online Interschool Science Quiz	National	28/02/2021
27.	Physics & Chemistry	Science Quiz for 12 th Studnets	Quiz competition	State	28/02/2021

28.	Chemical	Shastri Indo-Canadian Lecture Series on "Emerging Trends in CO2 Capture and Green Technologies"	Seminar	International	5th & 06th March 2021
29.	Chemical	Shastri Indo-Canadian Research Symposium	International Conference	International	11 th & 12 th March 2021
30.	Mechanical	Industry Connect for M. Tech 2021	Conclave	State	13/03/2021
31.	Civil	Workshop on Advanced modelling Techniques in water resources management	Workshop	National	22nd to 24th March 2021
32.	Mechanical	Conference on Advances in Thermal-Fluids Engineering (ATFE 2021)	Conference	International	25th to 26th March 2021
33.	Chemistry	Electrochemical Methods: Techniques to Applications	Webinar	International	26/03/2021
34.	Civil	National Symposium on Advanced Construction technology and management	Symposium	National	26/03/2021
35.	Physics	The invention of blue light emitting diodes (LEDs)	Webinar	State	30/03/2021
36.	Electrical	Recent Trends In Artificial Intelligence	Workshop	National	09th & 10th April 2021
37.	Mechanical	"A 5 day competition on "Prototype Development Competition on Electric Vehicle Technology" at Siemens CoE	Competition	State	10th to 14th April 2021
38.	Chemistry	Waste to Best: Sustainable Environmental	Webinar	International	12th & 13th April 2021

		Remediation Strategies and Solutions			
39.	ICT	Technical Analysis Master Class	Workshop	National	25/04/2021
40.	Physics and Chemistry and Mathematics	Science & Innovation: PDEU Ways	Webinar	National	25/04/2021
41.	Physics & Chemistry	Material Science & Engineering – Current trends & future prospects	Webinar	National	08/05/2021
42.	Physics and Chemistry and Mathematics	Climate Change Vital Signs of Planet	Webinar	National	08/05/2021
43.	Solar	Webinar on 5 day training on "Learn and Practice Machine learning from a Material Scientist Point of View"	Webinar	National	12th to 14th & 16th to 17th May 2021
44.	Chemistry, Physics and Mathematics	Amazing Earth: Space to Surface	Webinar	National	22/05/2021
45.	Mechanical	“PhD counselling session for Mechanical Engineering”	Workshop	State	22/05/2021
46.	Physics & Chemistry	Emerging facets of material science	Webinar	National	29/05/2021
47.	Chemistry	Current and Emerging Career Opportunities in Chemistry	Webinar	National	05/06/2021
48.	ICT	Deep Learning Fundamentals with Keras	Workshop	National	29/06/2021
49.	Computer Science and Engineering	1 st AIMV-2021	Conference	International	24th to 26th September 2021

PLACEMENT

B. Tech.

The Faculty of Engineering and Technology (SoT & SPT) maintained its excellent track record of securing placement for its students. 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 ExxonMobil, Shell, MG Motor, EY, L&T, Torrent Gas, Adani Wilmar, Byju's, Tata Power, Adani Gas, L'Oréal, Torrent Power, Federal Bank, Total Energies, Worley, Kirloskar Brothers, Tata Motors, NHAI, Adani Green Energy, Zydus Cadila, Jio Platforms.

Sr. No.	Organization	No. of students placed
1	Adani Gas	8
2	Adani Green Energy	7
3	Adani Wilmar	2
4	Airoil Flaregas	2
5	Atai Labs	2
6	Atul Limited	3
7	Byjus	3
8	Chegg India	36
9	Cognizant	17
10	Databeat	1
11	Deepak Group	1
12	Embibe	1
13	Eshia Solutions	2
14	Evosys	6
15	Excel Technical & Industrial Supplies LLC	3
16	ExxonMobil	3
17	EY	6
18	Federal Bank	2
19	Gateway Group	4
20	Growth Source Financial Technologies	1
21	GSFC	2
22	Gujarat Fluorochemicals Ltd	4
23	Gujarat Guardian	2
24	Hansa India	2
25	HCL Technologies	2
26	Hike Education	2
27	iEnergy Digital	1
28	IMEG	1
29	Infinite Civil Solutions Pvt. Ltd.	1
30	Infosense Global	1
31	Infosys	28
32	Infosys ECS	6
33	Jaro Education	1

34	John Energy	3
35	Kirloskar Brothers Limited	1
36	Kiwi Miles	1
37	KMK Consulting Inc	1
38	Kothari Infotech	4
39	L&T	2
40	L&T Technology Services	5
41	Lido Learning	7
42	Loreal	1
43	Manikaran Power	1
44	Maxim Integrated	1
45	Meditab India	1
46	MG Motor	5
47	NHAI	1
48	Nirma	8
49	Opshub Technologies Pvt Ltd	2
50	Reliance Jio	2
51	Sabarmati Gas	3
52	Shell	15
53	Social Pilot	1
54	Tata Motors	1
55	Tata Power	4
56	TCS	23
57	Tomtom	2
58	Torrent Gas	6
59	Torrent Power	1
60	Total Energies	2
61	Unschool	4
62	Vayana Network	3
63	Viitorcloud Technologies	5
64	Visilean	4
65	Wipro	2
66	Worley	2
67	Zydus Cadila	3
	Total	290
	Minimum annual emolument	1.5 LPA
	Maximum annual emolument	11 LPA
	Average annual emolument	4.68 LPA

M. Tech.

Sr. No.	Organization	No. of students placed
1	Airoil Flaregas	2
2	Bosch	1
3	Byjus	1
4	Chegg India	15
5	Cognizant	2
6	Deepak Group	1
7	Evosys	1
8	Infosys	1
9	L&T Technology Services	1
10	Lido Learning	4
11	MG Motors	2
12	OLA Electric Mobility Pvt. Limited	1
13	Pepcoding	1
14	TCS	1
15	Unschool	1
	Total	35
	Minimum annual emolument	2.4 LPA
	Maximum annual emolument	8.00 LPA
	Average annual emolument	3.90 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. 19.00 Lakhs Per Annum with International Placement has been offered to MBA Students.
- New Recruiters like AU Small Finance Bank, Mount Meru, GEP, HDFC Life, Repos Energy, Sun Petrochemicals, IHS Markit to name a few were the part of the recruitment process.

Some other noteworthy companies that recruited include Accenture, Infosys, Reliance BP Mobility, Ernst & Young, ICICI Bank, ICICI Prudential Life Insurance Limited, Torrent Gas, Torrent Power, Adani Group, Asian Paints Limited.

Sr. No.	Organization	No. of students placed
1	Accenture	2
2	Adani Total Gas	3
3	AHA Solar	2
4	Asian Paints	1
5	AU Small Finance Bank	4
6	Avenir	1
7	Caltius Ventures	1
8	Delivery Fuels	1
9	Empowering CPO	1
10	Enertech Fuel Solutions	1
11	Evosys	10
12	Excel Technical Supplies	1
13	Ernst & Young	2
14	GEP	2
15	HDFC	4
16	HDFC Life	2
17	HFFC	1
18	ICC INX	1
19	ICICI Bank	22
20	ICICI Prudential	1
21	IDFC	5
22	IHS Markit	3
23	Infosys	9
24	IRM Energy	1
25	Mount Meru	6
26	OPG Power	1
27	Piramal Glass	1
28	Reliance	1
29	Repos Energy	1
30	S&P Global	3
31	Sciative Solutions	1
32	Sudarshan Chemicals	1
33	Sun Petrochemicals	1

34	Synoptek	3
35	TCS	2
36	Think Gas	2
37	Torrent Gas	8
38	Torrent Power	2
39	Tri Gas	2
40	VC ERP	2
	Total	118
	Minimum annual emolument	3.50 LPA
	Maximum annual emolument	19.00 LPA
	Average annual emolument	6.75 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 MA Mass Communications and Economics 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 PAN InnoDesigns LLP, Olixir Oils, Aquatic System, Godrej Properties, Packofy, NJ India Invest Pvt. Ltd., Motorola, Bharti Airtel India, SEWA, Duke MQM, Aarzo.com, Adosphere India, Adecco India, Dell, Contour – Club Oxygen Holidays, Mansukh Securities and Finance Limited.

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

Sr No	Company	Number of students placed
1	Bytedance (Tiktok company)	1
2	BYJU's	8
3	Indiabulls	7
4	Ackroll Group	1
5	MICA	1
6	BA Continuum Solutions Private Limited	1
7	NAIBU Designs	1
8	Charcoal Tech Private Limited	1
9	Unschool.in	1
10	SBI Youth for India Scholar	1
11	Dhruvats Media and Entertainment	1
12	Growfusely	1
13	Zero Gravity Communications	1
14	Arvind Smartspaces	1
	Total	27
	Minimum annual emolument	1,80,000
	Maximum annual emolument	4,00,000
	Average annual emolument	3,00,000

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 KOHA library management system. KOHA 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. PDEU library also subscribes online databases such as EBSCO: Business Source Premier, Emerald insight, CMIEs Prowess IQ, Capitaline.com, OnePetro: SPE e-library, IEEE Explorer, American Chemical Society: ACS, American Physical Society: (APS), American Institute of Physics (AIP), Indiastat.com and JSTOR.

Particulars	FoET (SoT & SPT)	SPM	SLS
Number of Titles	10716	14147	10031
Number of Volumes	29336	15229	13542
National Journals	78	70	16
International Journals	13	08	02
National E-Journals	1	110	111
International E-Journals	426	2200	18217
Database	1	3	02
CD`s	2446	1107	818
Newspapers	14	10	14
Case Study	0	65	--
Others		--	Pandit Deendayal Upadhyay Archival Section (107 books)
Plagiarism Check Software	TURNITIN		

SPORTS

With the outbreak of novel Corona-virus sports activities world-wide seems to be put at a cease. Encouraging sports activities and sportsmanship has always been a cornerstone for the PDEU Sports Committee. Albeit the prevailing global crises does not seem to end, Keeping in mind the new normal where everyone is digitally connected, the PDEU Sports Committee came up with an opportunity for students to enhance their level of understanding on the importance of fitness, sports and career opportunities it has to offer.

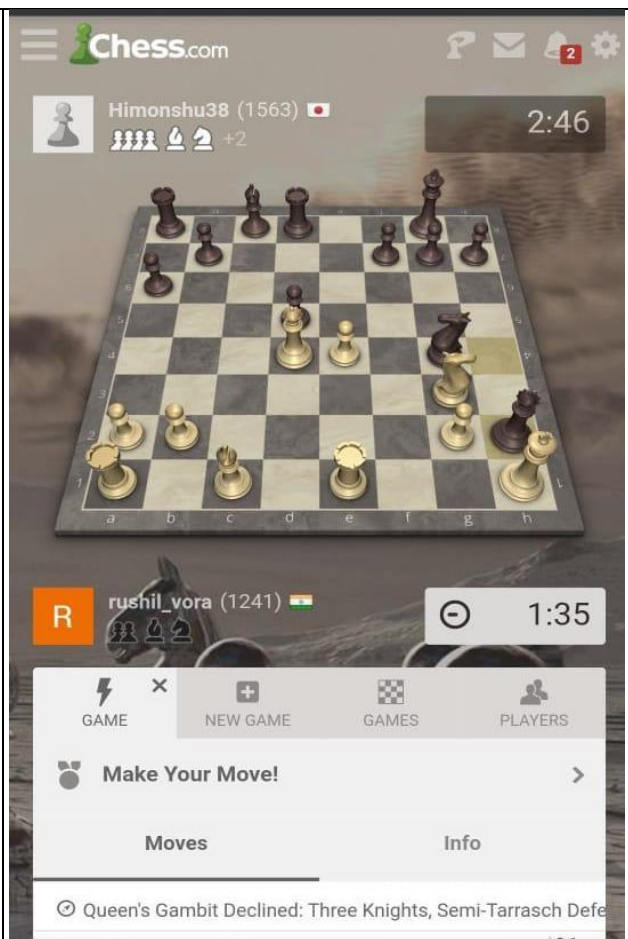
- **Yoga Sessions**

A series of Yoga sessions were organized on **04th, 11th, 18th and 25th of October 2020**. The sessions were conducted by an American College of Medicine certified fitness and Yoga coach, Mr. Nikhil Bhatt. Ranging from various yoga asanas targeting specific body parts and full-body yogic exercises to multiple pranayam were taught to students in these sessions. Each session focused on targeting specific body parts. Mr. Bhatt also enumerated various mistakes that we do on a daily discussion amongst the students and coach on the subject of Food and Nutrition. He enlightened students on the importance of diet in order to maintain a healthy lifestyle. Mr. Nikhil Bhatt stressed on bringing discipline in regularity to live a healthy and fulfilling life.



- **Chess Intras - Make Your Move**
(25th - 26th November, 2020)

An Inter-college chess competition was organized by the sports committee on the date of November 25 and 26, 2020. Chess Intras were organized to showcase young talent and provide a platform to compete and prove their skills for the game. Considering the challenges posed by pandemic, the competition was fully organized online. Participants were supposed to login on chess.com and play from their computer devices. Chess Intras were conducted in Swiss-Style tournament format, it is a non-eliminating tournament format that features a fixed number of rounds of competition, but considerably fewer than for a round-robin tournament; thus each competitor does not play all the other competitors. Clock time for initial rounds was 5m+0s so each game roughly lasted a maximum of one hour. Clock timing was the same or little longer for subsequent rounds. All standard rules for the game were applied as per FIDE federation laws.



- **Self-Defense Workshop**
(29th November, 2020)

Self-defense is not just a set of techniques; its a state of mind and it begins with the belief that you are worth defending. A workshop on Right to Safety was conducted on 29 November, 2020. The resource person, Ms. Vishwa, is an entrepreneur in mixed martial arts and has been teaching this skill.



- **Sports Saga:**

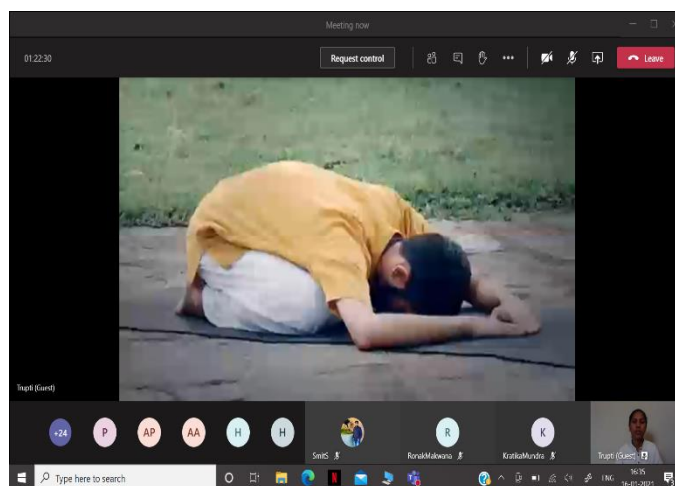
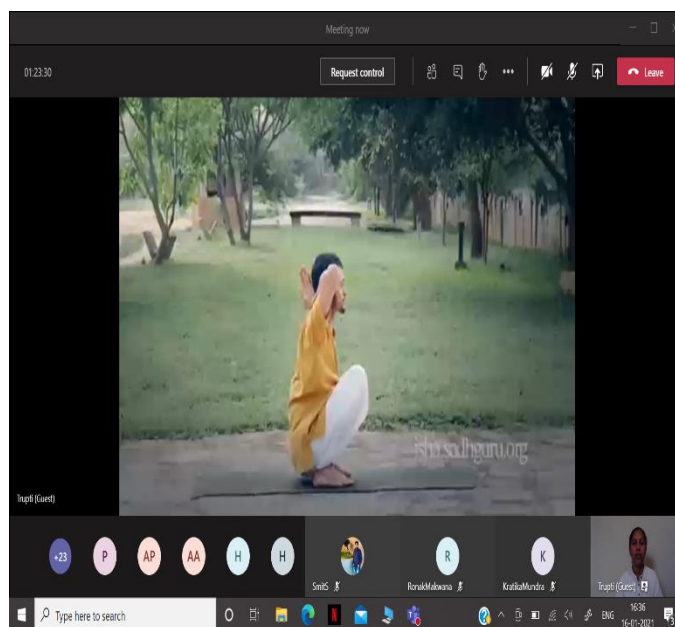
The covid virus posed as a hindrance in the field of sports and although there was not much we could do about it, the committee was able to manage a sport saga trilogy which consisted of three guest lectures, each educating the students on different aspects of sports and fitness. The first one took place on the 18th of October, 2020. Mr. Arpan Trivedi, a veteran tennis coach and player, was invited to share his story of success. The lecture followed through with a very participative question and answer session. The second webinar took place on 7th November, 2020 where Mr. Ishaan Hingorani -a gold medalist at Hong Kong junior and cadet open- was invited to deliver an expert session on the Know-How of Table Tennis. He shed some light on the common mistakes beginners make and how to avoid them. Sharing his life story, he inspired the students to push harder in their own lives. Lastly, the third webinar took place on the 22nd of November, 2020. Ms. Anoushka Parikh, a student, an international shuttler and a fitness enthusiast was invited to enlighten the students and take them along with her through her own journey in the sport. She emphasized on how fitness and agility play a major role in changing the game you play. Although all three lectures were given by different people who specialized in three different sports, the students were able to get an idea of the common ground that makes the base of all sport careers. All in all, the saga was a success with remarkable participation and positive feedback from all the lecturers.



- **Yoga for Success**
(16th January, 2021)

If you want to be successful, don't seek success – seek competence, empowerment; do nothing short of the best that you can do. – Sadhguru.

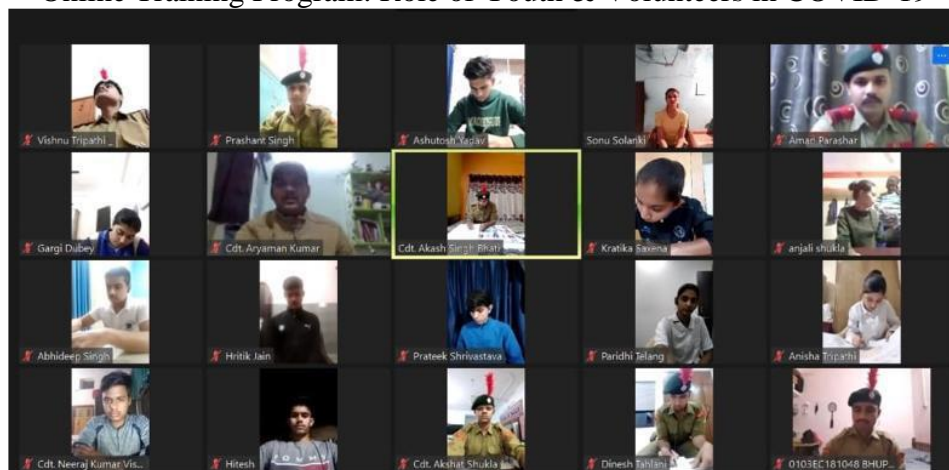
Firstly we had started the session with neck exercises because most students were suffering from neck pain due to day to day busy and study life. After that, Yoga for back pain and a healthy back. Chronic neck and shoulder tension often reflects an imbalance in the muscular recruitment of the shoulder girdle, in particular the action of the shoulder blades. Rotator cuff injuries, frozen shoulder and bursitis all can manifest as a result of immobility and weakness in the stabilizers of the mid-back. Repetitive recruitment of the chest and neck with disordered breathing can further exacerbate tension and pain. After this we had shifted to the inner body. The healing power of breath, the physiology of breath reduction as it impacts CO₂ and O₂ levels and its value in addressing chronic stress syndromes such as HBP, IBS, asthma, COPD, headaches, anxiety & chronic fatigue. Because of the busy life of students we all never bother about yoga and meditation therefore this webinar teaches all of us about its amazing benefits. Some of them are 1. Memorizing power increases 2. Sharpe concentration and many more. In my perspective we all should adopt some time for yoga and do it regularly because it affects our day to day life in an amazing way.



NATIONAL CADET CORPS @ PDEU

- NCC is one of the elective courses of the curriculum in the UG programmes of the University.
- 50 Boys & 50 Girls students were enrolled during the year under respective battalion.
- Combined Annual Training Camps (March 5-9, 2021)
- Combined Annual Training Camps (March 10-12, 2021)
- B Certificate passed - 16 Boy Cadets & 17 Girl Cadets
- C Certificate passed - 12 Boy Cadets & 14 Girl Cadets (Regular), 8 Girl Cadets (Extension)
- Summary of activities during the Pandemic time:
 - Poster Making on World Environment Day on 5th June, 2020
 - My Life My Competition on 15th June, 2020
 - International Yoga Day on 21st June 2020
 - Interaction With Grandparents on 2nd July, 2020
 - Tree Plantation on 13th to 26th July, 2020
 - Kargil Vijay Diwas Quiz on to 13th July, 2020
 - Covid-19 Training on 14th July 2020
 - Poem Writing on 22nd July, 2020
 - Cadet Diaries: How to Face Job Interview? on 26th July, 2020
 - Webinar On Kargil Diwas on 26th July, 2020
 - Tree Plantation on 29th July, 2020
 - Pledge Taking on 4th August, 2020
 - 'Vocal For Local' Poster Making on 8th August, 2020
 - How to Ace a Group Discussion? On 9th August, 2020
 - Lecture on Atmanirbhar Bharat on 13th, 14th and 18th August, 2020
 - Atma Nirbhar Bharat Quiz on 15th August, 2020
 - Public Speaking Competition on 16th August, 2020
 - Lecture on Fit India Movement on 21st August, 2020
 - PLEDGE on 26th August, 2020
 - NCC Training Webinar on 29th & 30th August 2020
 - Webinar on Fit India on 14th September, 2020
 - Fit India, Clean India on 15th August to 14 September 2020
 - Constitution Day Celebration Quiz on 13th September, 2020
 - Health and hygiene session by NCC audit on 23rd October, 2020

Online Training Program: Role of Youth & Volunteers in COVID-19



Covid-19 Training of NCC Cadets



International Yoga Day



NSS

The National Service Scheme (NSS) is a Central Sector Scheme of Government of India, Ministry of Youth Affairs & Sports. It provides opportunity to the student youth of 11th & 12th Class of schools at +2 Board level and student youth of Technical Institution, Graduate & Post Graduate at colleges and University level of India to take part in various government led community service activities & programs.

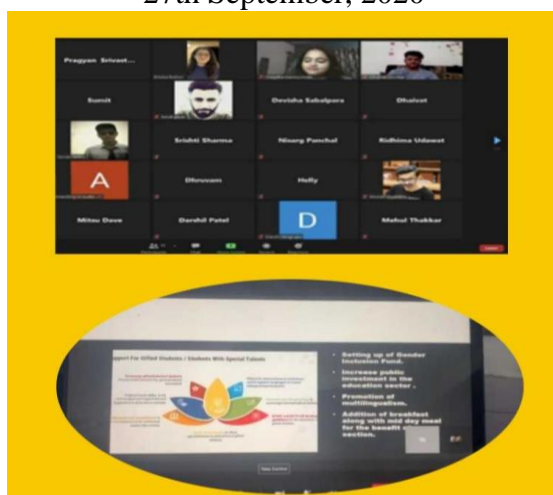


Aim: The sole aim of the NSS is to provide hands on experience to young students in delivering community service. Since inception of the NSS in the year 1969, the number of students strength increased from 40,000 to over 3.8 million up to the end of March 2018 students in various college volunteers.

At the University, NSS is a two-credit course for the first-year undergraduate students, and about 300 students enroll every year in it.

Glimpses of NSS programs

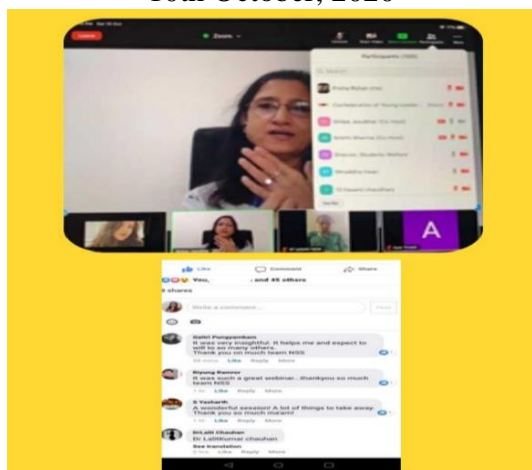
NSS Day Celebration
27th September, 2020



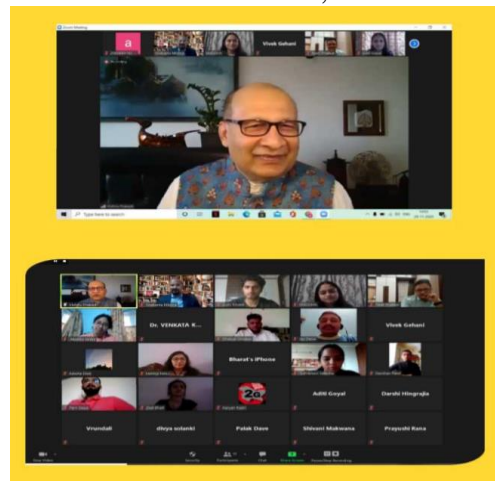
Webinar on Environmental Entrepreneurship
2nd October, 2020



World Mental Health Day (With UN)
10th October, 2020

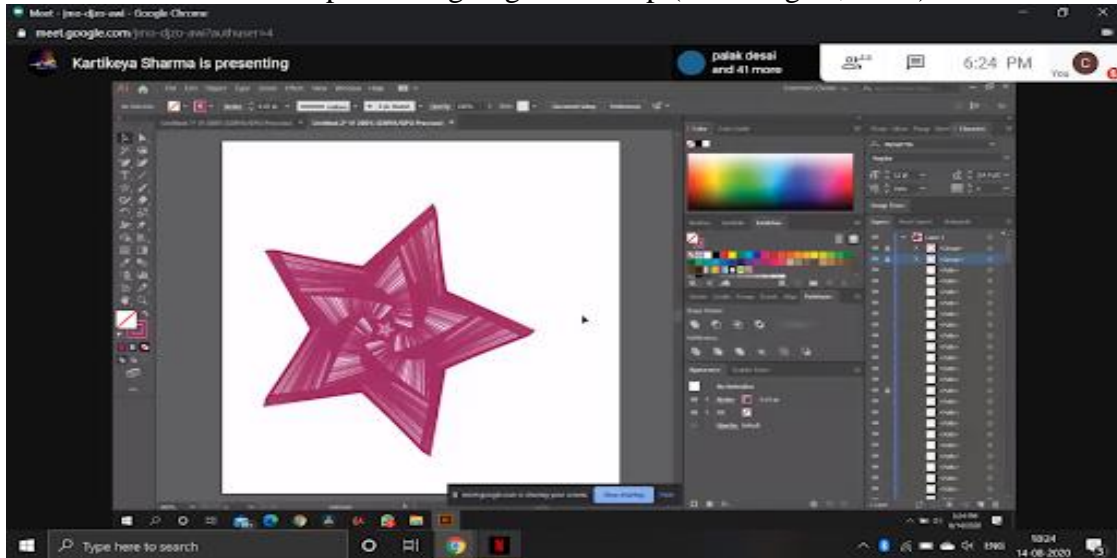


Webinar on India's Relations with its Neighbors
29th November, 2020



STUDENTS' ACTIVITIES

Basic Graphic Designing Workshop (14th August, 2020)



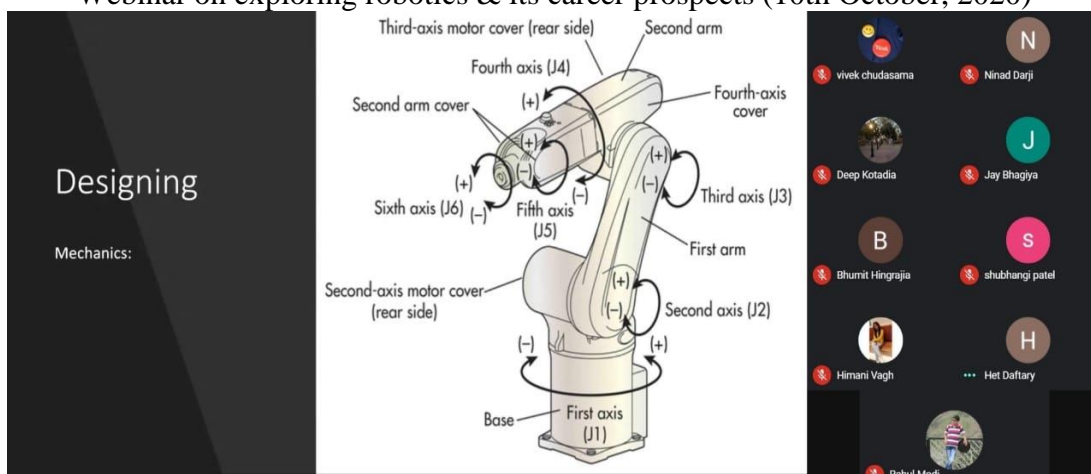
Java Workshop (12th September, 2020)



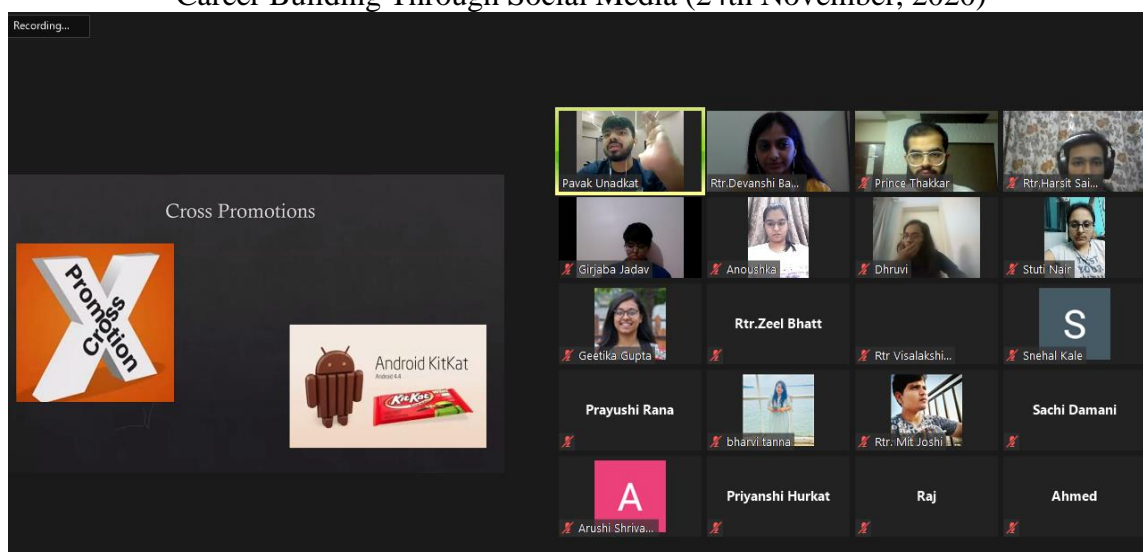
Workshop on Machine Learning and Data Science (20th September, 2020)



Webinar on exploring robotics & its career prospects (10th October, 2020)



Career Building Through Social Media (24th November, 2020)



Workshop on Introduction to UN and MUNs (13th December, 2020)



DHARMIK RAVAL is presenting

SIGNIFICANCE OF 108

The number 108 is significant in many cultures and disciplines. Be it randomized coincidence or divine order, there is something undeniably special about 108.

ARCHITECTURE OF SACRED TEXTS

108 Upanishads
108 Primary Tantras
108 Chapters of the Rig Veda

OUTLINES SANSKRIT LANGUAGE

54 characters each with masculine (shiva) and feminine (shakti) form
 $54 \times 2 = 108$

IN ARYURVEDA,

There are 108 sacred places, or marmas, in the body which identify intersections of matter and consciousness

FAVORED BY MATHEMATICIANS

For its countless patterns and divisions

P

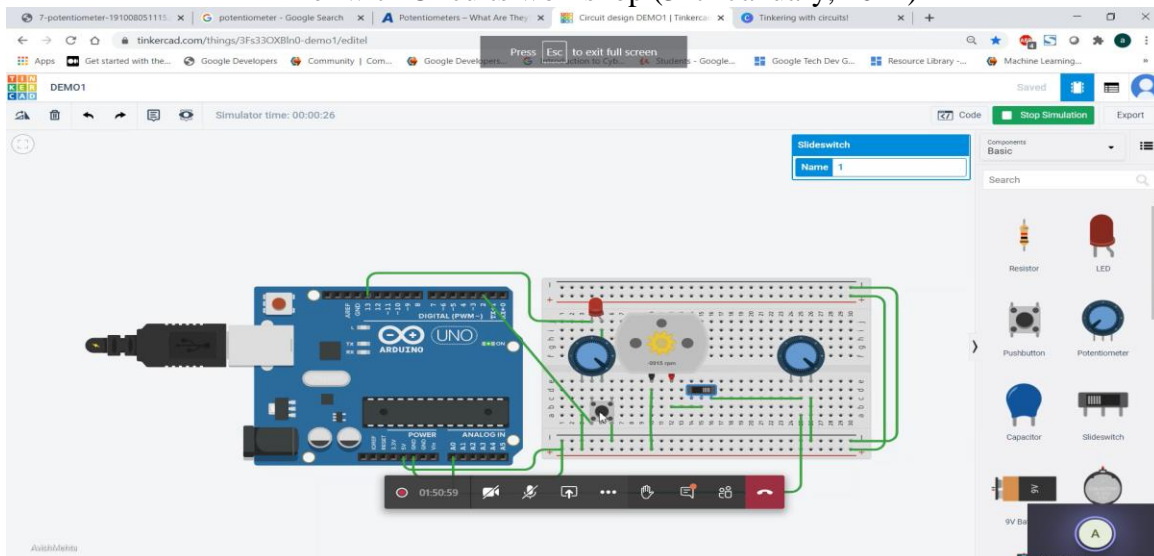
P

K

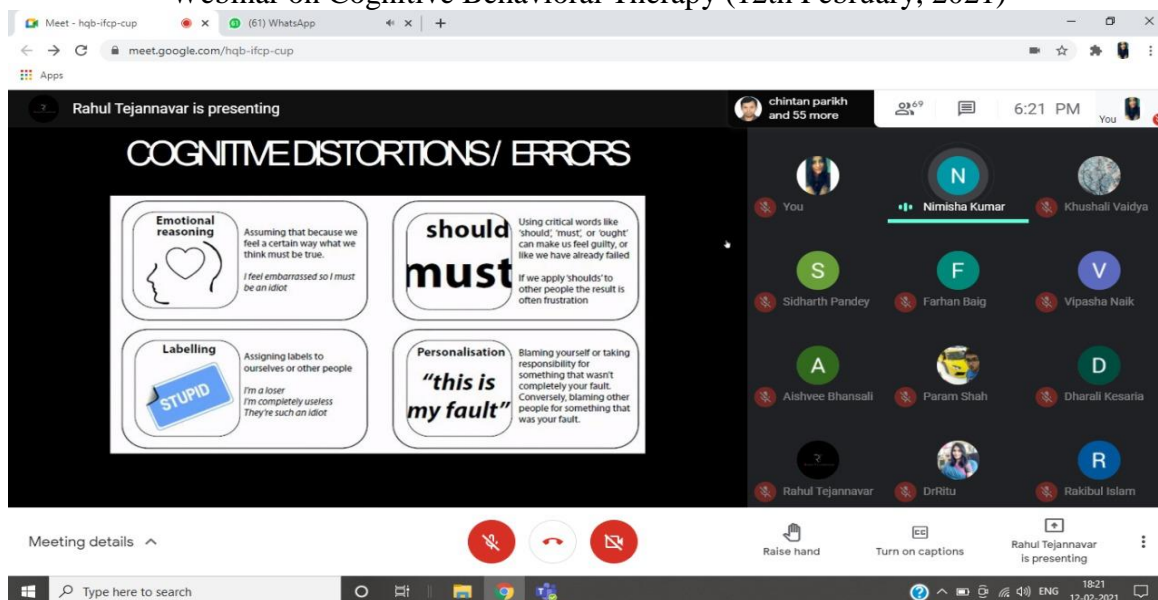
T

A screenshot of a Zoom meeting showing a top-down view of a drone. The drone has four arms, each with a motor and propeller. Red text labels are overlaid on the image: "ESC 4 => port 7" at the top-left, "ESC 1 => port 4" at the top-right, "ESC 3 => port 6" at the bottom-left, and "ESC 2 => port 5" at the bottom-right. The word "front" is centered above the drone, and "back" is centered below it. The Zoom interface is visible at the top and bottom of the screen.

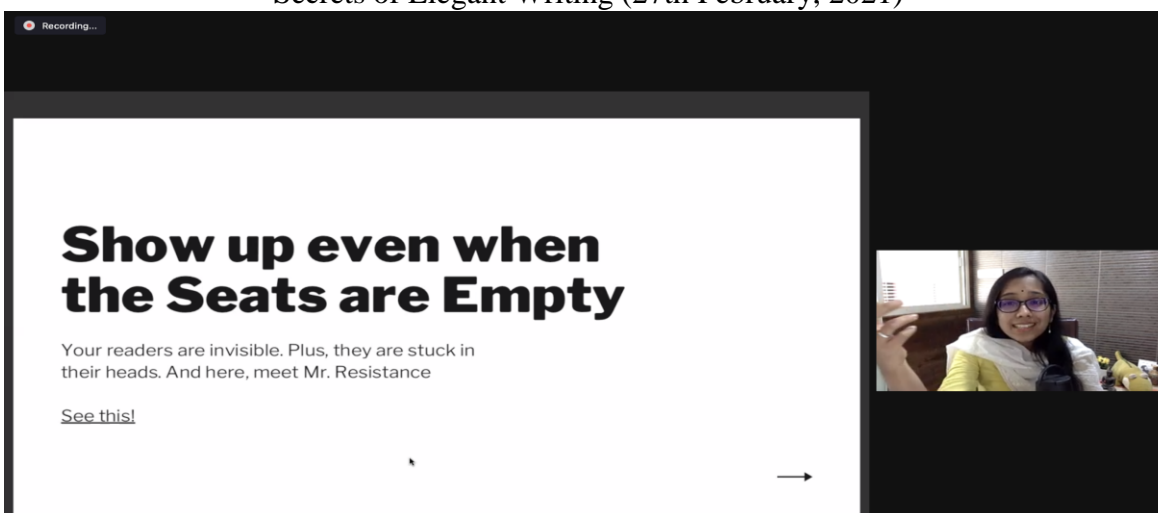
Tinker with Circuits workshop (31th January, 2021)



Webinar on Cognitive Behavioral Therapy (12th February, 2021)



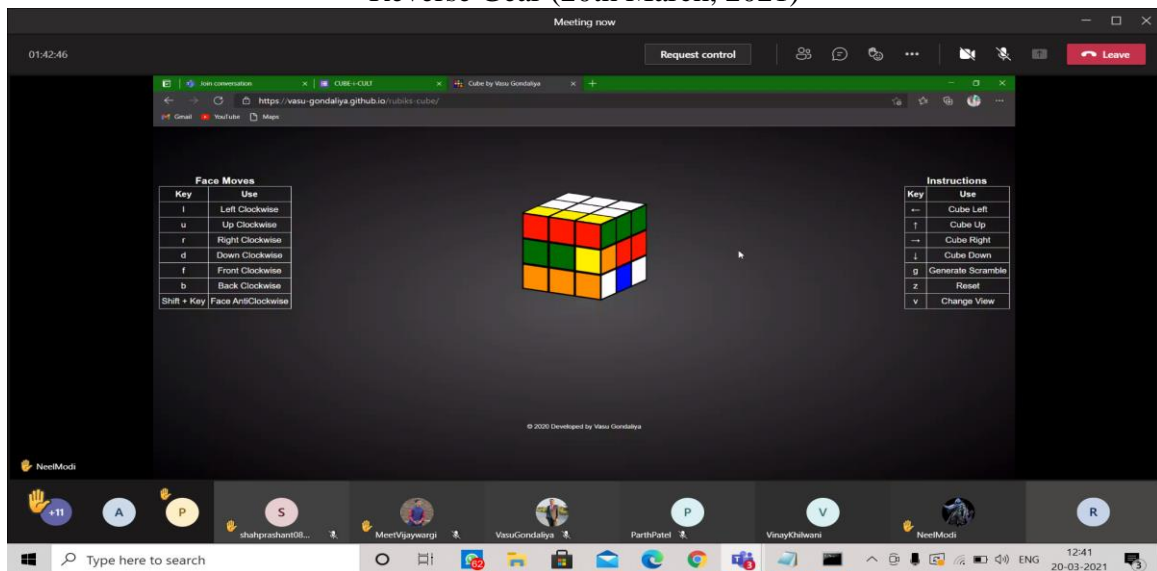
Secrets of Elegant Writing (27th February, 2021)



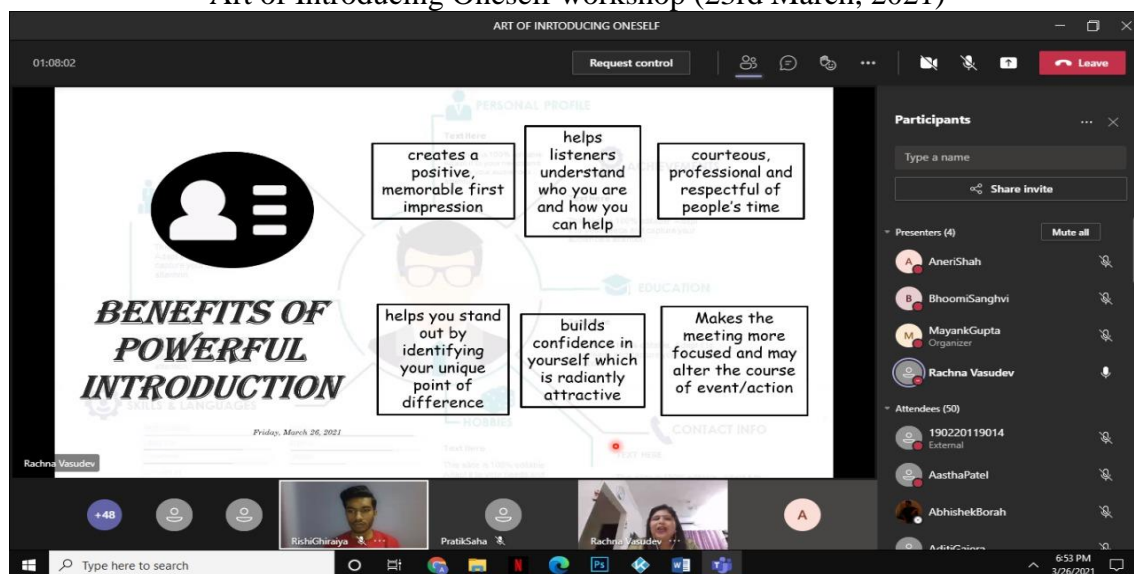
Music Production Workshop (27th February, 2021)



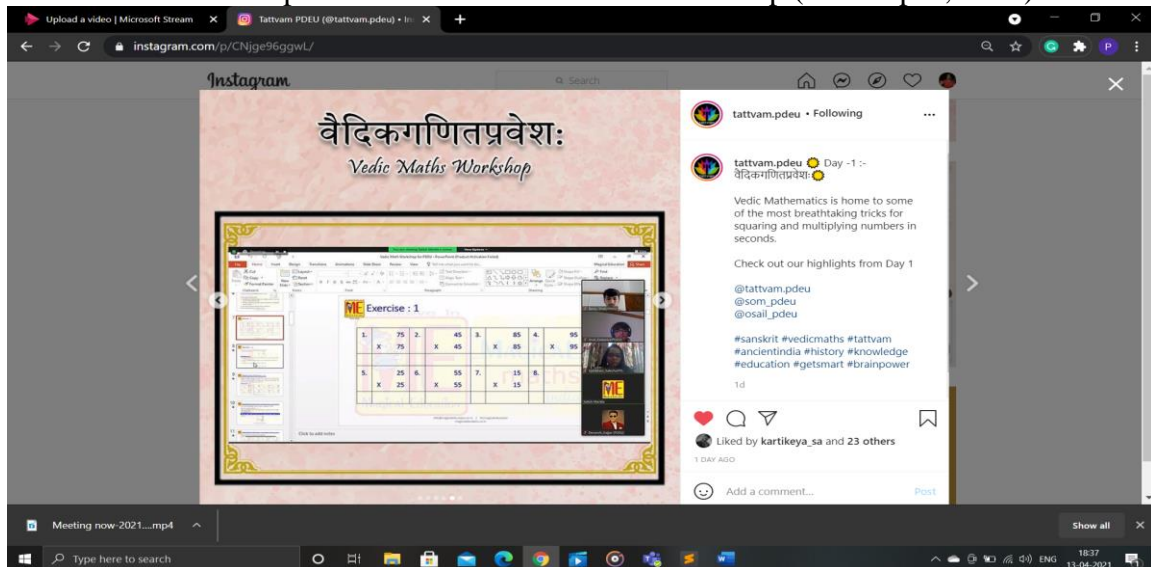
Reverse Gear (20th March, 2021)



Art of Introducing Oneself workshop (23rd March, 2021)



Vedic Ganitpravesh-Vedic Mathematics Workshop (10th April, 2021)



Stock Market 101 (3rd April, 2021)

Where should one invest?

	Fixed income	Real Estate	Commodities	Equities	Alternative Investments
Examples	Savings account, FDs, sovereign bonds, corporate bonds	Buying residential/commercial land	Gold, silver	Stocks, mutual funds	Cryptocurrency, investments in startups
Avg returns	4-7%	8-12%	8-12%	12-15%	15-20%
Risk level	Low	Medium	Medium	High	Very high

Introduction to app development (10th April, 2021)

Version Control

Version control is a system that records changes to a file or set of files over time so that you can recall specific versions later.

SOCIAL ACTIVITIES

The University since its inception had vision of building better future for its students and surrounding. Community development of University has seen various programs carried out for community welfare, development & growth. This activities are in line with skill developments, personal growth, social welfare etc. 2020-21 year witnessed emergence of COVID-19 and entire social activities were taken online, 37 such activities were organized. Following is the list of community welfare activities Carried out in 2020-21:

Sr. No.	Name of the event	Date
1	Samanvay 2.0 - Social Speakers	August 2, 2020
2	Quarantine Stories	August 6, 2020
3	Letter to the nation 2.0	August 12, 2020
4	Eco friendly Ganesh	August 18, 2020
5	Samanvay 2.0 - Social Speakers	August 9, 2020
6	Samanvay 2.0 - Social Speakers	August 16, 2020
7	Samanvay 2.0 - Social Speakers	August 23, 2020
8	Plastic awareness Campaign	August 1, 2020
9	Samanvay 2.0 - Social Speakers	September 13, 2020
10	Samanvay 2.0 - Social Speakers	September 27, 2020
11	World Gratitude day	September 21, 2020
12	Introductory session	September 14, 2020
13	Samanvay 2.0 - Social Speakers	October 4, 2020
14	PDEU Haat 3.0 - Vocal For Local	October 20, 2020
15	My Voice, Our Equal Rights- Competition and Webinar	October 6, 2020
16	Samanvay 2.0 - Social Speakers	November 8, 2020
17	Career Building Through Social Media	November 24, 2020
18	Go Green (Rotaract and Envirofreks)	November 10, 2020
19	Samanvay 2.0 - Social Speakers	December 13, 2020
20	Being Santa 3.0	December 15, 2020
21	Tree Plantation	December 4, 2020
22	Raising for a cause (Rotaract and SnC)	December 12, 2020
23	Being Santa 3.0	January 7, 2021
24	Tribute to police	December 26, 2021
25	Samanvay 2.0 - Social Speakers	February 21, 2021
26	Cancer Awareness Competition	February 1, 2021
27	Sunday for society	February 7, 2021
28	Unn Dino Ki Baatein 4.0	February 14, 2021
29	Awareness on Vaccine Maitri	February 4, 2021
30	World Cancer Awareness Day- Revised	February 2, 2021
31	Fun with Flags	February 1, 2021
32	Rotaract week Drive	February 13, 2021
33	Dance for a cause(Rotaract and malang)	March 19, 2021
34	Menstrual hygiene Awareness	April 6, 2021
35	Heritage Hunt	April 17, 2021
36	World no tobacco day (with SAIL & NSS)	May 30, 2021
37	Krishika baby kit distribution	June 20, 2021

Unn Dino Ki Baatein 4.0
(14th February, 2021)




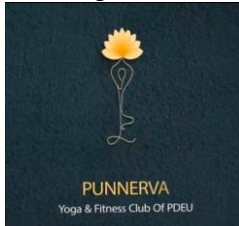
Tribute to Police
(26th December, 2020)



Sunday for Societies
(7th February, 2021)



STUDENTS' CLUBS

<p>Aatmann Psychological club</p> 	<p>Brahmand Astronomy Club</p> 	<p>DebSoc Debate club</p> 
<p>Ajia Bunker Korean & Japanese club</p> 	<p>BullsandBears Finance club</p> 	<p>Encode Computer Science Club</p> 
<p>Alchemy Chemistry club</p> 	<p>CRETUS Robotics and Automation Club</p> 	<p>Envirofreaks Environmental Club</p> 
<p>Anirveda TechnoEconomics Club</p> 	<p>Cube-i-Cult Cubing club</p> 	<p>Jharokha Literature Club</p> 
<p>AVIONICS Aero Modelling club</p> 	<p>Daastan Dramatics Club</p> 	<p>Malang Dance club</p> 
<p>Mind~Ripple Quizzing club</p> 	<p>PUNNERVA Yoga Club</p> 	<p>Society of Mathematics Mathematics club</p> 

<p>Mithak Shastra Mythology and Folklore Club</p>  <p><i>Within Infinite Myths, lies an eternal truth</i></p>	<p>Respawn E-Gaming club</p> 	<p>Symmetry Graphic Design club</p> 
<p>Nucleus Physics Club</p>  <p>NUCLEUS</p>	<p>ROTARACT Social Awareness club</p> 	<p>The Network Professional Club</p> 
<p>Offbeat Music Club</p>  <p>Offbeat</p>	<p>Synergy Entrepreneurship Club</p> 	<p>Tattvam Sanskrit Club</p> 
<p>Panache Fashion and Styling Club</p> 	<p>Sorriso Photography Club</p> 	<p>VGA Film-Making club</p> 
<p>Radiance Spiritual club</p> 	<p>Spicmacay India Culture club</p> 	<p>ZAAYKA Food & Cuisine club</p> 
<p>Rang Fine Arts Club</p> 	<p>STEP UP Fitness club</p> 	

CONVOCATION



Programme-Discipline	No. of pass outs students		
	Female	Male	Total
M.B.A. (E & I)	26	92	118
M.B.A. (General)	50	73	123
PGDM-X	0	14	14
B. Tech. (Petro. Engg.)	20	271	291
B. Tech. (Chem. Engg.)	16	120	136
B. Tech. (Civil Engg.)	21	243	264
B. Tech. (Computer Engg.)	26	48	74
B. Tech. (Elect. Engg.)	44	191	235
B. Tech. (ICT)	15	49	64
B. Tech. (Ind. Engg.)	14	106	120
B. Tech. (Mech. Engg.)	9	269	278
M.Tech. (Petro. Engg.)	7	25	32
M.Tech. (Chem. Engg.)	0	11	11
M.Tech. (Civil)	9	27	36
M.Tech. (Elect.)	11	16	27
M.Tech. (Solar Energy)	4	32	36
M.Tech. (Env. Engg.)	23	10	33
M.Tech. (Mech. (Design))	0	12	12
M.Tech. (Mech. (Thermal))	2	34	36
M.Tech. (Nuclear Engg.)	2	12	14
B. Com. (Hons.) + Diploma	70	83	153
Bachelor of Arts (Hons.) + Diploma	140	40	180
Bachelor of Business Administration (Hons.) +Diploma	100	100	200
Bachelor of Science (Hons.) +Diploma	8	26	34
M. A. (English)	7	6	13
M. A. (IR)	8	8	16
M. A. (Pub. Adm.)	9	2	11
M. A. (Psychology)	8	0	8
Ph. D.	18	28	46
Total	667	1948	2615

VISITORS

Sr. No.	Name	Designation	Organisation	Date
1	Mr. Naishad Patel and Mr. D. G. Sharma	Assistant Professor	Faculty from Government Engineering College, Gandhinagar	11/07/2019
2	Mr. Dinesh Chandra Tewari	Retd. General Manager	ONGC	August to December 2020
3	Mr. Ashit Shah	Owner	Weld flow Engineers, Vadodara	16/10/2020
4	Mr. DevendraGope	Business Development Manager	Fronius India Private Limited	10/11/2020
5	Dr. Gaurang Joshi	Post-doctoral fellow	Institute for Plasma Research (IPR)	15/12/2020
6	Dr. Niral Patel	Manager	GSPC	December 2020 to February 2021
7	Dr. D G Sharma	Faculty	GEC, Gandhinagar accompanied with students	08/03/2021
8	Mr. Uditya Verma	Engineer	ICICI Bank	09/03/2021
9	Dr. Gaurang Joshi	Post-Doctoral Fellow (PDF)	Institute for Plasma Research (IPR)	15/03/2021
10	Mr. Jignesh Dave	Faculty	CIPET, Ahmedabad	16/03/2021
11	Mr. Samir Shah	Faculty	L D College of Engineering	22 nd to 26 th March 2021
12	Mr. KeyurTandel	Faculty	Government Engineering College (GEC), Dahod	22 nd & 23 rd June 2021

PDEU દ્વારા 'કાર્બન કેપ્ચર સેક્ટરસ્ટ્રેશન એન્ડ યુટિલાઇઝેશન' પર કોન્કલેવ કાર્બન ફી એન્વાયરમેન્ટ મેળવવા માટે રિન્યુએબલ એનર્જીનો ઉપયોગ વધારો

૩ જા એ કોઇપણ રાષ્ટ્રના આર્થિક વિકાસમાં જરૂરી બને છે. જોકે, ઉત્સર્જનના વર્તમાન આંકડાકીય માહિતીમાં એક મોટું પ્રશ્નાર્થ ચિન્હ ઊભું થયું છે ત્યારે પંડિત દીનદયાલ એનર્જી યુનિવર્સિટી (પીડીઇયુ) દ્વારા 'કાર્બન કેપ્ચર સેક્ટરસ્ટ્રેશન એન્ડ યુટિલાઇઝેશન' વિષય પર ઇન્ડો કેનેડિયન રિસર્ચ કોન્કલેવનું આયોજન કરવામાં આવ્યું છે. આ અંગે વાત કરતા સેન્ટ્રલ ગવર્નમેન્ટના મીશન-ઇનોવેશન પ્રોજેક્ટના એડવાઇઝર ડૉ.ડી.કે તુલીએ કહ્યું કે, ૨૦૧૭માં કાર્બન ફી એન્વાયરમેન્ટ માટે ડિપાર્ટમેન્ટ ઓફ સાયન્સ એન્ડ ટેકનોલોજી અને ડિપાર્ટમેન્ટ ઓફ બાયોટેકનોલોજીમાં ફંડિંગની તક છે તેના પર દરેકે ધ્યાન દોર્યું. આ સાથે પ્રો. નાદર મહીનપે કહ્યું કે, કેલગરીના પ્રોસેસ સેન્ટરમાં હવેમાંથી કાર્બન કેવી રીતે લઈ શકાય તેના પર કામ થઈ રહ્યું છે, પાવર ઇન્ડસ્ટ્રી અને સિમેન્ટ ઇન્ડસ્ટ્રીમાંથી



રિન્યુએબલ એનર્જીનો ઉપયોગ વિદેશમાં વધુ

આ સાથે ડિરેક્ટર જનરલ પ્રો. એસ.એસ. મનોહરને કહ્યું કે, પીડીઇયુમાં કાર્બન સીઓટુ ગ્રુપ છે જે એક્ટિવલી કામ કરે છે. જીઓ થર્મલ એનર્જી, સોલાર એર્જી, વિન્ડ એનર્જી અને બાયોએનર્જીનો ઉપયોગ વધારીશું તો કાર્બનનું પ્રમાણ હવામાંથી ઘટશે. ફ્રાન્સ અને જર્મની જેવા દેશોમાં હવામાંના કાર્બનનું પ્રમાણ ખૂબ ઓછું છે કારણ કે ત્યાં રિન્યુએબલ એનર્જીનો ઉપયોગ વધારે થાય છે, ભારતમાં આના માટે શરૂઆત થઈ છે. જો કાર્બન ફી એનર્જી અને કાર્બન ફી એન્વાયરમેન્ટ જોઈતું હોય તો રિન્યુએબલ એનર્જીનો વપરાશ વધારવો પડશે.

કાર્બન કેપ્ચર કરી શકાય છે પરંતુ તેના પર અલગ અલગ હવામાંથી કેવી રીતે કાર્બન મળી શકે ટેકનોલોજીથી સ્ટડી થઈ રહ્યું છે.

Workshop on Financial Analysis and Modelling for Start-Ups Using Excel at SPM, PDPU

One of the basic challenges faced by a start-up enterprises is lack of awareness about financial modelling and its benefits. To understand the process of



financial modelling for start-ups, FINNACLE, the Finance Club of SPM, PDPU organised a workshop on Financial Analysis and Modelling for Start-ups using Excel on 16th December 2019. The workshop was conducted by Mr. Sumit Gulati, Founder of 8DuziteLearning and Consultants, CEO of Finexcelacademy. The workshop provided a great opportunity for students to grab the

knowledge of financial modelling from the expert. In the workshop, students got their hands on financial modelling cases, risk management using sensitivity analysis, creation of model to customize financial model and visualisation techniques for effective data interpretation. The students got insights of how academic concepts can be used most effectively in real life with smart efforts in least time. The workshop helped students to reshape the way to learn finance and excel in a better way.

– **Bharvi Shah**

