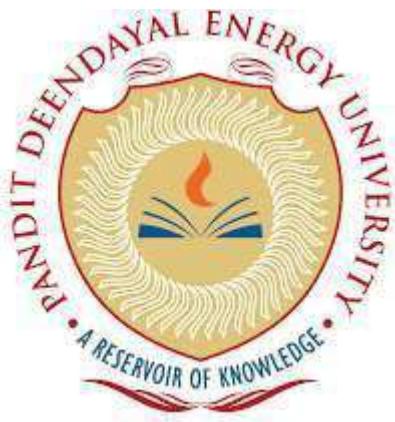


ALL INDIA COUNCIL FOR TECHNICAL EDUCATION

NEW DELHI

MANDATORY DISCLOSURE 2025-26



SCHOOL OF TECHNOLOGY (SOT)

PANDIT DEENDAYAL ENERGY UNIVERSITY

(PDEU) Raisan Village,

Gandhinagar, Pin code–382426, Gujarat, INDIA

Updated on: December 2025

MANDATORYDISCLOSURE

1. Mandatory Disclosure	Updated on : 08/12/2025
2. AICTE File No.	Central/1-9318299394/2021/EOA
3. Date &Period of last approval	
4. Name of the Institution	School of Technology (Pandit Deendayal Energy University)
5. Address of the Institution	School of Technology Pandit Deendayal Energy University Raisan Village
6. City & Pincode	Gandhinagar-382426
7. State/UT	Gujarat
8. Longitude & Latitude	23°9'21"N72°39'59"E
9. Phone with STD Code	+91-079-23275403
10. Fax with STD Code	+91-079-23275030
11. Office hours at the Institution	09:00 to18:00 hrs.
12. Academic hours at the Institution	09:00 to18:00 hrs.
13. Email	directorsot@pdpu.ac.in
14. Website	https://sot.pdeu.ac.in/
15. Nearest Railway Station	Gandhinagar(12Km)
16. Nearest Airport	Ahmedabad (17 Km) from University
17. Type of Institution	School
18. Category(1)of the Institution	Non-Minority
19. Category(2)of the Institution	Yes, Co-Ed

20. Name of the organization Running the Institution	Pandit Deendayal Energy University (PDEU)
21. Type of Organization	University managed
22. Registered with	University Grants Commission (UGC)
	Section 2(f) of UGC Act, 1956
23. Registration Date	F.No.9-17/2008(CPP-I) dated November 17, 2009
24. Website of the organization	www.pdeu.ac.in
25. Name of the Affiliating University Address	NA (Constituent school of the University)
Website	NA
Latest Affiliation Period	NA
26. Name of Director	Prof. Anirbid Sircar
27. Exact Designation	Director School of Technology
28. Phone Number with STD Code	+91-079-23275403
Email	directorsot@pdpu.ac.in
Highest Degree	Ph.D.
Field of Specialization	Petroleum Engineering,
29. Governing Board Members	<u>Annexure-1</u> Dr. Mukesh D. Ambani, Chairman & Managing Director, Reliance Industries Ltd. Is the President of the University
30. Board of Governors Meetings	At least twice in a year
31. Frequency of Academic Council Meetings	At least thrice in a year
32. Academic Advisory Body	Dr. S. Sundar Manoharan Director General, PDEU, Raisan, Gandhinagar
33. Organizational Chart	<u>Annexure-2</u>
34. Student feedback mechanism on Institutional governance/faculty Performance	Exists

33. Grievance redressal mechanism for Faculty, staff & students

- 1) Women Cell
- 2) Redressal Committee
- 3) Student's advisory system is constituted
- 4) Centre for counselling

34. Name of the Department

School of Technology

35. Course

Computer Engineering
ICT
Mechanical Engineering
EC Engineering
Civil Engineering
Biotechnology

36. Level UG/PG

- 1) Bachelor of Technology (B.Tech)
- 2) Master of Technology (M.Tech)
- 3) Doctorate in Philosophy(Ph.D.)

UG Courses		
S.No	Program	Course Name
1	B.Tech	Electronics And Communication Engineering
2	B.Tech	Mechanical Engineering
3	B.Tech	Civil Engineering
4	B.Tech	Computer Science And Business Systems
5	B.Tech	Computer Engineering
6	B.Tech	Information And Communiation Technology
7	B.Tech	Chemical Engineering
8	B.Tech	Electrical Engineering
9	B.Tech	Biotechnology

PG Courses		
S. No.	Program	Course Name
1	M.Tech.	Civil Engineering (Construction Technology And Management)
2	M.Tech.	Environmental Engineering
3	M.Tech.	VLSI Design
4	M.Tech.	Data Sciences
5	M.Tech.	Cyber Security
6	M.Tech.	Artificial Intelligence
7	M.Tech.	Chemical Engineering

8	M.Tech.	Electrical Engineering (Power Systems)
9	M.Tech.	Energy Systems (focused on Solar Energy)

37. Year of approval by the Council 2007, intake sanction 240

38. Year wise Sanctioned Intake (UG/PG)

Computer Engineering	300
Information and Communication Technology	180
Electronics and Communication Engineering	120
Mechanical Engineering	120
Civil Engineering	120
Artificial Intelligence	18
Construction Technology and Management	18
Cyber Security	18
Data Sciences	18
Environmental Engineering	18
VLSI Design	18
Chemical Engineering	120
Electrical Engineering	120
Biotechnology	60

39. Year wise Actual Admissions

Computer Engineering	376
Information and Communication Technology	191
Electronics and Communication Engineering	154
Mechanical Engineering	181
Civil Engineering	112
Artificial Intelligence	22
Construction Technology and Management	17
Cyber Security	21
Data Sciences	26
Environmental Engineering	7
VLSI Design	4
Biotechnology	60

40. Cut off marks quota

	Year 2021	Year 2020	Year 2019	Year 2018
Gujarat last cut off JEE Main (ACPC Rank)	3492-2927	1622 – 6272	307 - 4680	169 – 11681
All India & UT's last cut off JEE Main AIR	35437-791195	46952 – 441122	19656 - 101440	12401 - 93248

% Students passed with CAY Distinction for B.Tech Batch (2007-2011)* & 2008-2012

**Awards of Distinction and class are not given in PDPUs system. Only SPI and CPI are given.

41. Accreditation Status

NAAC Accreditation Status	Yes, NAAC with "A++" Grade & CGPA of 3.52 out of 4.00
NBA Accreditation Status	Yes, B.Tech Mechanical Engineering Program is NBA Accredited, Accredited for Academic Year 2021-22, 2022- 23 and 2023-24, i.e., upto 30-06-2025 (Link1) (Link), (Electrical NBA details to be added)

42. Doctoral Courses

Yes

43. Foreign Collaborations, if any**44. Professional Society Memberships****45. Professional Activities**

Faculty training/ Special meetings /Paper contest/ Seminar/Workshop/Conclaves

46. Consultancy Activities

PDEU has the policy top remote consultancy

47. Grants FetchedAnnexure-3**48. Departmental Achievements**Annexure-4 (including academic, sports & cultural Activities)**49. Internship details****50. Distinguished Alumni****Mr. Diwakar Jhurani**

Deputy Head of Economics at British High Commission, New Delhi

Mr. Siddharth Nahar

IPS Officer

Mrs Pulkita Rohila Zaidu

Business Consultant| Gold Medalist - IIM Indore | 8+ Years B2B experience in O&G | Petroleum Engineer

Mr Sultan Alimuddin

Humanitarian | Petroleum Engineer | Published Author | Extensive Traveller

51. Name of Teaching StaffAnnexure-6**52. Admission Quota**

(33% Gujarat ACPC)-(67% All India+NRI)

53. Entrance Test/ Admission Criteria

AIEEE till 2012

JEE (Main) from 2013-14, ACPC

54. Cut off mark/rank for admission during the Year – 2024 – ACPC

ACPC Cut Off (Opening & Closing)														
Branch	General		SC		ST		SEBC		EWS		TFWs		DS	
	Open	Closing	Open	Closing	Open	Closing	Open	Closing	Open	Closing	Open	Closing	Open	Closing
Biotechnology	1530	35369	35013	35013	-	-	-	-	-	-	552	552	-	-
Chemical	2555	22106	36829	36829	-	-	13595	30257	14556	14769	801	2196	-	-

Civil	6510	38348	-	-	26883	39761	33257	50118	32029	32029	-	-	-	-
Computer	408	2370	2430	6444	13253	27434	932	3306	988	1220	116	428	4387	4387
EC	1808	9639	6162	16766	-	-	5777	11623	5667	6892	1029	1696	-	-
Electrical	5899	26445	21341	27103	-	-	16037	38530	-	-	1611	4128	-	-
ICT	1524	9513	5916	12032	35415	39869	4999	8504	4909	5352	720	1381	-	-
Mechanical	3278	11883	16402	16402	-	-	12390	20838	12995	16658	1128	4852	16526	16526

55. Cut off mark/rank for admission during the Year – 2024 – JEE

All India (Opening & Closing)

Branch	GEN		SC		ST		NRI	
	Opening	Closing	Opening	Closing	Opening	Closing	Opening	Closing
Biotechnology	106737	1207157	325696	334364	-	-	-	-
Chemical	26178	942372	-	-	773108	773108	-	-
Civil	84575	1280669	-	-	-	-	-	-
Computer	31683	71597	145102	294112	275535	855244	104931	217651
EC	21224	141269	271739	699141	1398017	1398017	134984	546161
Electrical	133205	1242354	258768	611316	-	-	-	-
ICT	72042	102892	201322	481142	-	-	207168	410459
Mechanical	36584	390811	360434	632644	-	-	633970	1257353

56. Number of Fee Waivers CAY offered

27FC&3TFW (Year 2017)

57. Admission Calendar

Enclosed separately for the year 2018-19

58. PIO Quota

NO

59. Infrastructure Information

Classroom/Tutorial facilities	Annexure-7(Photo)
Laboratory Details	Annexure-8
Computer Centre Facilities	Annexure-7(Photo)
Library Facilities	Annexure-7(Photo)
Auditorium/ Seminar Halls	Annexure-7(Photo)
Cafeteria	Annexure-7(Photo)
Indoor Sports Facilities	Annexure-7(Photo)
Outdoor Sports Facilities	Annexure-7(Photo)
Gymnasium Facilities	Annexure-7(Photo)
Facilities for disabled	Annexure-7(Photo)

60. Boys Hostel

Number of rooms having 2 Beds –376 & 3 Beds-222

61. Girls Hostel

Number of roomshaving 2 Beds– 48 & 3 Beds– 98

62. Medical

Health Clinic at the campus Faculty & Staff is provided with Health Insurance

63. Academic Session

[Annexure-9](#)

64. Examination System	Semester
65. Period of declaration of results	<u>Annexure 9</u>
66. Counselling/Mentoring	Each faculty advisor is assigned a batch of 20 students
67. Career Counselling	Each semester, the University allots faculties for career Counselling
68. Student Insurance	Yes
69. Students Activity Body	Yes
70. Cultural Activities	FLARE
71. Sports Activities	PETROCUP
72. Literary Activities	Yes
73. Magazine/ Newsletter	SOT Mirror
74. TechnicalTechFest/Activities	Tesseract 2020,TECHNO ALAR (FIPPI) 2020
75. IndustrialVisits/Tours	Yes
76. Alumni Activities	Yes (Alumni Meet 2019) <u>Annexure 8</u> <u>(Revised date to be taken from Alumni Office)</u>
77. Name of the Information officer For RTI	Ashutosh Vyas
Designation	Administrative Officer, School of Technology
PhoneNumberwithSTDCode	+91-79-23275079
FaxNumber withSTDCode	+91-79-23275030
Email	Ashutosh.vyas@SOT.pdpu.ac.in

ANNEXURE – 1

BOARD OF GOVERNORS

Chairman

Dr.Mukesh D Ambani (Chairman&MD, Reliance Industries Ltd. & President, Pandit Deendayal Energy University)

Members

1. Dr. S. Sundar Manoharan (Director General,Pandit Deendaya lEnergy University)
2. Dr Hasmukh Adhia IAS (Rtd.) (Vice Chairman, PDPU; Ex:Finance Secretary and Revenue Secretary of State)
3. Smt.Anita Karwal(Rtd.) Chairman – Standing Committee & Chairman – RERA(Govt. of Gujarat)
4. Dr. R. A. Mashelkar (FRS Bhatnagar Fellow & President-Global Research Alliance National Chemical Laboratory – Pune)
5. Shri S J Haider, IAS(Additional Chief Secretary,Energy and Petrochemical Dept. Govt. of Gujarat)
6. Col (Dr) Rakesh Kumar (Registrar, Pandit Deendayal Energy University)
7. Shri Jinal Mehta (Managing Director Torrent Power Ltd - Ahmedabad)
8. Shri Milind Torawane, IAS (Managing Director Gujarat State Petroleum Corporation, Gandhinagar)
9. Chairman & Managing Director,Oil and Natural Gas Corporation (ONGC), New
10. Shri Mukesh Kumar, IAS (Principal Secretary, Higher & Technical Education (H&TE) Government of Gujarat)
11. Smt.Sunaina Tomar (IAS-Additional Chief Secretary,Education Dept., Govt. of Gujarat)
12. Shri Jalaj Dani Chairman – IIM - Trichy and Co-promoter of Asian Paints
13. Shri Parimal Nathwani (Director-Reliance Industries Ltd.)
14. Dr. T. P. Singh (Dean - Students' Affaris – PDEU)
15. Dr. Anirbid Sircar (Director – SoT, Pandit Deendayal Energy Technology)

ACADEMIC COUNCIL

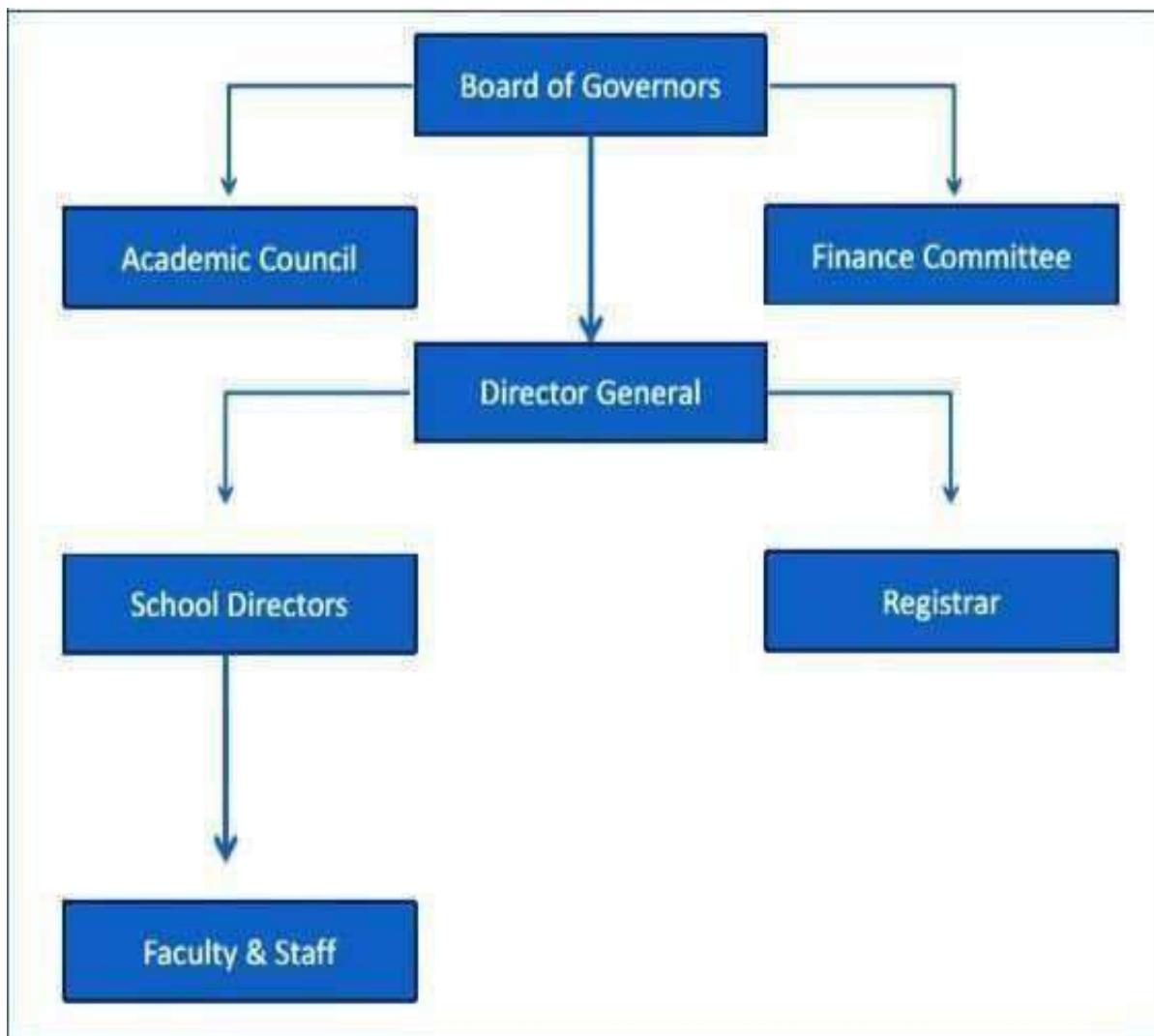
Chairman

Dr. S. Sundar Manoharan (Director General, Pandit Deendayal Energy University)

Members

1. Col(Dr)Rakesh Kumar(Registerar – PDEU)
2. Dr. Gopal Mahapatra (Professor,IIM,Banglore)
3. Dr. J. Ramkumar (Professor, Satischandra Agarwal Chair-Professor,IIT Kanpur)
4. Dr. Nilesh Desai (Director, Space Applications Centre, Ahmedabad)
5. Dr. Pradip K Tewari (HoD (Chemical Engg.), Jal Jeevan Mission Chair Professor,IIT,Jodhpur)
6. Dr. AKS Suryavanshi (Director - School of Management,PDEU)
7. Dr. Anirbid Sircar (Director - School of Technology,PDEU)
8. Dr.Rajesh Patel (Director - School of Energy Technology, PDEU)
9. Prof. Nigam Dave (Professor English, School of Liberal Study, PDEU)
10. Dr. Sitakanta Mishra (Dean, School of Liberal Study, PDEU)
11. Col (Dr) Rakesh Kumar Shrivastava (Registrar)
12. Dr. Indrajit Mukhopadhyay (Professor in Solar Energy, School of Energy Technology)
13. Dr. T. P. Singh (Professor in Mathematics, School of Technology)
14. Dr. Surendra Singh Kachhwaha (Professor in Mechanical Engineering, School of Technology)
15. Dr. Vivek Pandya (Professor in Electrical Engineering, School of Energy Technology)

ANNEXURE-2



ANNEXURE–3

Ongoing Projects

File No	Title of the Project	Name of the Principal Investigators	Name of the Funding Agency	Total Grant Sanctioned (in INR)
1	Bio-mimetic and phyto-techNologies DesIgned for lowcost purification and recycling of water (India - H2O)	Dr. Anurag Mudgal	Department of Biotechnology	50727000.00
2	Water Innovation Centre : Technology, Research & Education (WICTRE)	Dr. Manoj Pandey	Department of Science & Technology	4187600.00
3	Modelling of GLOF Conditions to Occur and Modelling of Retreat of Glaciers	Dr. Poonam Mishra	Indian Space Research Organization	3584000.00
4	3D printing of organic-inorganic composite scintillation detectors	Dr. Pavan Kumar Gurrala	Board of Research in Nuclear Sciences	3615725.00
5	A hybrid structure-based modelling technique in exploring the effectiveness of natural compounds against the potential anticancer druggable target cyclin-dependent kinase protein	Dr. Anu Manhas	Science and Engineering Research Board	825000.00
6	Design and Development of a software tool for Digitization and Investigation of Microstructure of Materials using Computer Vision and Machine Learning	Dr. Amitava Choudhury	Science and Engineering Research Board	825000.00
7	Detection of Biomarkers through Nanoscale Metal-Organic Frameworks (MOFs)	Dr. Tapan Kumar Pal	Science and Engineering Research Board	825000.00
8	Development of Transparent Perovskite Devices for Building Integrated Photovoltaics (TRADE)	Dr. Pankaj Kumar Yadav	Science and Engineering Research Board	4104000.00
9	Development of MXene-Hierarchical Transition Metal Sulfide Hybrid Nanostructures as Electrocatalysts for Overall Water Splitting	Dr. Nitin Chaudhari	Central Power Research Institute	4408000.00
10	Developing a Privacy Preserving Framework for securing Organizational Data Publication	Dr. Payal Chaudhari	Gujarat Council on Science and Technology	4229200.00
11	Remnants of Colonialism - Prints on Implicit Cognition in Education in India	Dr. Ritu Sharma	MICA	560000.00
12	Smart Ecosystem to Facilitate Elderly People in Ambient Assisted Living Environment	Dr. Rutvij Jhaveri	Gujarat Council on Science and Technology	1903200.00

13	Electrochemical synthesis of shape controlled nanostructured Te from ionic liquid medium for non-enzymatic electrochemical H ₂ O ₂ sensor	Dr. Indrajit Mukhopadhyay	Gujarat Council on Science and Technology	1773200.00
14	Hybrid Perovskite based Flexible memristor on Paper Substrate for data Storage and Neuromorphic Computing	Dr. Ankur Solanki	Gujarat Council on Science and Technology	3733200.00
15	Technology Enabling Centre: Energy, Health and Water	Prof. Anirbid Sircar	Department of Science & Technology	33644400.00
16	Synthesis and Applications of Thermally Expandable Microspheres (TEM)	Dr. Prakash Chandra	Microspheres (India)	550000.00
17	Experimental and Numerical Investigations on Natural Gas Production from Gas Hydrate Bearing Sediments in KG Basin	Dr. Vivek Ramalingam	Science and Engineering Research Board	825000.00
18	Using quantum games for quantum communications and computations	Dr. Hargeet Kaur	Science and Engineering Research Board	825000.00
19	Spatio-temporal variations of sea ice and its environs over the polar regions using Oceansat-3 data	Dr. Bhasha Vachharajani	Indian Space Research Organization	2088000.00
20	Development of Prototype for Integrated IoT-BIM-Cloud Block chain Model for Construction Projects	Dr. Debasis Sarkar	EI Technologies Pvt. Ltd.	590000.00
21	Towards development of non-enzymatic cost-effective working electrode and strip sensor for detection of phenolic contaminants present in water	Dr. Kalisadhan Mukherjee	Science and Engineering Research Board	4403696.00
22	Carbon Dioxide into Methanol Conversion	Dr. Swapnil Dharaskar	L & T Technology Services Limited	4400000.00
23	Master Batch Preparation Containing Un Expanded Microspheres	Dr. Prakash Chandra	Microspheres (India)	275000.00
24	Developing Metal Alloys and their Hybrid Heterostructures as an Efficient Energy Conversion Materials	Ms. Naznin Mohammed Usman Shaikh	Department of Science & Technology	2367705.00
25	Performance Evaluation of 1D and 2D Hydrodynamic Model With Different Topographic Resolution For Strengthening a Decision Making Of Urban Flood Hazard Mapping A Case Application Of UAV, Hydrodynamic Modelling And ML Techniques.	Ms. Mrunalini Rana	Department of Science & Technology	2385100.00
26	FIST Chemical Sciences Level B C or D - Project	Dr. Rajib Bandyopadhyay	Department of Science & Technology	35800000.00

27	India and International Solar Alliance: Exploring Scope and Opportunities for Cooperation and Investment in the Solar Energy Sector of Tanzania	Dr. Sanjay Kumar Pradhan	Indian Council of Social Science Research	752500.00
28	Development of visible light sensitive inexpensive thin film photocatalysts for removal of heavy metal ions drinking water	Dr. Abhijit Ray	Gujarat Council on Science and Technology	1723200.00
29	Novel Nano-Materials Derived from Waste and its Applications in Improving Rheological Properties of Bitumen.	Dr. Ashish Unnarkat	Gujarat Council on Science and Technology	2363200.00
30	Advance Control for Regulatory and Servo Problems of Three Improvements in Divided Wall Column: Heat Integration, Azeotropic Separation and Reactive Distillation	Dr. Md. Aurangzeb	Gujarat Council on Science and Technology	1296000.00
31	Experimental and Numerical investigation of Functionally Graded Engineering Components due to Thermal Mismatch and Young's Modulus	Dr. Manoj Sahni	Gujarat Council on Science and Technology	904000.00
32	Indigenous development of vibration less low to mid high temperature Opto-electrical probe station	Dr. Pankaj Kumar Yadav	Department of Science & Technology	2485156.00
33	Design and Development of Highly Efficient Electrolyzer System for Green Hydrogen Generation	Dr. Rohit Srivastava	United States - India Science & Technology Endowment Fund (USISTEF)	3767000.00
34	Comparison of Mechanical and Metallurgical Properties of Similar and Dissimilar Weld Joints of RAFMs and 316LN Using Solid State and Fusion Welding Processes.	Dr. Vishvesh Badheka	Science and Engineering Research Board	825000.00
35	Covalently Functionalized Bio-inspired Composite Protective Structure subjected to Impact Loading	Dr. Nirav Patel	Science and Engineering Research Board	2720690.00
36	Glycoprotein Conjugated Liposomal Nano scaffold (GLINS): A next generation targeted drug delivery approach to combat <i>Prophyromonas gingivalis</i>	Dr. Sivaraman Dhanasekaran	Indian Council of Medical Research	2907920.00
37	Development of Low-Cost System for Green H2 Generation	Dr. Anirbid Sircar	Climate Change Department	3000000.00
38	CO2 Enhanced Oil Recovery in Depleted Oil Reservoir and its Storage (Carbon Capture)	Dr. Bhawanisingh Desai	Climate Change Department	3000000.00
39	An Assessment of Employability Challenges of Persons with Disabilities	Dr. Neeta Sinha	Indian Council of Social Science Research	1075000.00
40	NANOHyFi: A Non-Adhesive Liposomal Ceftazidime Based Nano Hydrofibre Scaffold to Treat Hard-To-Heal Wounds	Dr. Pradeep PS	Department of Science & Technology	4318196.00
41	Probing fundamental physics with cosmological observations	Dr. Mansi Dhuria	Department of Science & Technology	2113000.00

42	Effect of Solarisation of Traditional Salt Manufacturing: A Case Study of the Agadiya Community of Little Rann of Kutch through Audio-visual Documentation	Dr. Sandesh Mahajan	Indian Council of Social Science Research	1700000.00
43	A New Generation Redox Flow Battery for Energy Storage & Grid Support	Prof. S. Sundar Manoharan	Climate Change Department	6500000.00
44	Impact of climate change on offshore wind and wave power potential in the India EEZ region	Dr. Garlapati Nagababu	Indian Space Research Organization	2892840.00
45	Development of Advanced MXene-Based Materials for Removal of Emerging Pollutants from Wastewater	Dr. Swapnil Dharaskar	Dharmsinh Desai University	75000.00
46	Supported Ionic Liquid Membranes: Design, Analysis, and Theoretical Understanding for Customizing the Efficiency of CO ₂ /CH ₄ Separation	Dr. Swapnil Dharaskar	Dharmsinh Desai University	75000.00
47	Development of Advanced Materials for CO ₂ Applications	Dr. Swapnil Dharaskar	Dharmsinh Desai University	50000.00
48	Tracing Early-Middle Triassic marine biotic recovery and ecospace utilization through Ichnofabric analysis: Spiti Basin; Tethys Himalaya India	Dr. Bhawanisingh Desai	Science and Engineering Research Board	4285480.00
49	Development of Spoken Language Corpora for Under Resourced Languages	Dr. Tanmay Bhowmik	Science and Engineering Research Board	825000.00
50	Numerical and experimental study of solidification cracking for Laser Direct Metal Deposition process and keyhole welding process	Dr. Ojas Satbhai	Science and Engineering Research Board	825000.00
51	Low Frequency Compact Ultra-wideband Planar Artificial Magnetic Conductor (AMC)	Dr. Vivek Kumar Pandit	Indian Space Research Organization	2497760.00
52	Design and Development of AI/ML enabled algorithm for a static code analysis tool & its implementation as a software product	Dr. Shakti Mishra	Indian Space Research Organization	2998340.00
53	Earth Abundant Catalysts for the Electrochemical Conversion of Levulinic Acid to Added Value Chemicals	Dr. Prakash Chandra	Science and Engineering Research Board	825000.00
54	Chemiresistive VOC Sensor in Pilot Scale Absorber System for Laboratory VOC Recycling	Dr. Kalisadhan Mukherjee (CO-PI)	Royal Society of Chemistry, London	381283.00
55	Developing Smart Sustainable Agriculture Villages: Assessing the Dynamics of the Climate Smart Agricultural Practices and Evolving a Pathway for Enhancing Productivity and Attaining the Sustainable Development Goals	Dr. Sriram Divi	Indian Council of Social Science Research	13000000.00

56	Development of Portable drug detection system for opiate drugs	Dr. Roshni Kumari	Teamex Retail Ltd	300000.00
57	Electrocatalysts and Electrode Design Countermeasures in Direct Seawater Electrolysis for Hydrogen Generation	Dr. Abhijit Ray	Science and Engineering Research Board	3194510.00
58	Inspire Fellowship	Mr. Yash Patel Dr. Indrajit Mukhopadhyay	Department of Science & Technology	843520.00
59	Development of Benchtop Health checkup Device utilizing Microcontroller Electronics and Machine Learning Algorithm	Mr. Mitul Pujara Ms. Janka Patel Ms. Falguni Chaudhary Mr. Parv Vyas Dr. Shirsendu Mitra	BIRAC Ignite Innovate Incubate	215000.00
60	Nutra Blaze - A flame extinguisher for the Gut	Mr. Aumkareshwar Kamboya Mr. Krutarth Niraj Patel Mr. Varad Kinjal Dixit Mr. Harshit Gupta Dr. Sachidanand Singh	BIRAC Ignite Innovate Incubate	215000.00
61	Development of scalable Coastal Energy Plants (CEP) with Aluminum Scrap and Seawater for Production of Hydrogen, Electricity and Aluminum Hydroxide	Dr. Ramesh K. Guduru	Shell Energy India Private Limited	18391000.00
62	Atmospheric CO ₂ Capture and Its Efficient Utilization in Production of Value Added Products: Electricity, Hydrogen and Bicarbonate Salts via Aqueous Electrolyte Media	Dr. Ramesh K. Guduru	Shell Energy India Private Limited	
63	(a) Energy efficient Biodiesel production technology at industrial scale (b) improvement in yield and quality (fuel properties) of biodiesel	Prof. Surendra Singh Kachhwaha	Shell Energy India Private Limited	
64	Hydrogen blending into the natural gas pipeline infrastructure/Enable enhanced Hydrogen % blending into the natural gas (CGD) pipeline infrastructure	Dr. Namrata Bist	Shell Energy India Private Limited	3100000.00

1. Consultancy Projects

S.No	Name of the Consultant	Title of Consultancy Name of Funding Agency	Sanctioned Budget
1	Dr. Ritu Sharma ;Dr. Shraddha Sharma	Social Impact Study on Residential Rooftop solar	1510990
2	Dr. Manan Shah / Dr. Swapnil Dharaskar	Environmental Impact Assessment (EIA) Report	118000
3	Dr. Ravi Kant/ Dr. Manjeet Keshav	Vibration Tester for Package Trasport Worthiness	101000
4	Dr. Ravi Kant/ Dr. Manjeet Keshav	Drop Tester for package mishnadling worthiness	51000
5	Dr. Swapnil Dharaskar & Dr. Manan Shah	Testing and Analysis of FEC -VC	198240
6	Dr. Vinay Vakharia & Dr. Paawan Sharma	1. Method for the detection of tire failure in bead durability testing using gas sensor and machine learning approach 2. Method for the detection of tire failure in belt durability testing using line laser and machine learning approach	226560
7	Dr. Rajesh Desai	Constultancy on analysing and projecting Gold Prices	23600
8	Dr. Sukanta Kumar Dash	Physico Chemical, Thermodynamics, and Kinetic Rate Investigation of Sustenol -2	664426
9	Dr. Yogesh Kumar	AI- Enabled API Generation For Chronic Health Application	236000
10	Dr. Dhruvesh Patel	Mapping a Drainage outfall of PCPIR dahej,Dist: Bharuch using Drone (UAV)	137880
11	Dr. Dhruvesh Patel	Mapping of outfall of Amlakhadi, Dist: Bharuch using Drone (UAV) techniques	275760
12	Dr. Dhruvesh Patel	Mapping of outfalls into the river stretches using drone techniques	22980
13	Dr. Vivek Jaiswal	Research Collaboration on sustainable air quality management and assessment	240000
14	Dr. Ronak Motiani	Structural investigation and conditional survey of narmada bhavan block c of G+8 storey , non Residential building about city R&B Division, Vadodra	45450
15	Dr. Ronak Motiani	Structural investigation and conditional survey of kuber bhavan block c of G+9 storey , non Residential building about city R&B Division, Vadodra	821870
16	Dr. Indrajit Mukhopadhyay;Mr. Hasmukh Khatri	Third party inspection/ Verificatin of Grid connected solar PV system installed on rooftops of Govt. building/ offices Phase -3	1518280
17	Dr. Anurag Kandya; Dr. Manish Sinha/ Dr. Manoj Pandey/ Dr. Rajib Bandyopadhyay	Environmental Audit	380538

18	Dr. Anurag Kandya;Dr. Manish Sinha/ Dr. Manoj Pandey/ Dr. Rajib Bandyopadhyay	Environmental Audit	429685
19	Dr. Anurag Kandya ;Dr. Dhruvesh Patel/ Dr. Shabiimam MA	Environmental Audit	141600
20	Dr. Anurag Kandya; Dr. Manish Sinha/ Dr. Manoj Pandey/ Dr. Rajib Bandyopadhyay/Mr. Vishal Asnani	Environmental Audit	857430
21	Dr. Sukanta Dash	MEA and Sustenol campaign with the absorption - Regeneration column pilot plant	820100
22	Dr. Shirsendu Mitra	Training program for COMSOL	125000
23	Dr. Dhruvesh Patel;Dr. Naimish Bhatt & Dr. Shobhit Chaturvedi	Training on 2D Hydrodynamic softwar HEC -RAS	276908
24	Dr. Anirbid Sircar;Dr. Roshni Kumari	Carry out night air monitoring at GIDC Estate Kalol	250000
25	Dr. Rohit Srivastava	Electrochemical measurement data for HER &OER of 3 samples	10620
26	Dr. Rohit Srivastava	GC Analysis and data interpretation of CO2 & Ethylene Gas	31270
27	Dr. Himani Baxi	Evaluation of finance for the state of Gujarat	200000
28	Dr. Naimish Bhatt	Design & Executive of the interior work for the 3 BHK flat in Ahmedabad	100000
29	Dr. Manan Shah, Asst professor, Chemical Engineering	Applicability of Enviornmental impact Assessment (EIA) for DR Industries with specific reference to mineral benefication	88500
30	Dr. Urmil Satyan	Corporate Training on Communication Skills	35000
31	Dr. S.Sundar Manoharan	Provide services in renewables energy, energy storage,areas of R&D for translational purposes of setting up smart grid e solar cells	150000
32	Dr. Payal Chaudhari	TBD	59000
33	Dr. Anirudh Kulkarni & Dr. Abhishek Yadav	Moisture sepration efficiency prediction and design optimization	59000
34	Dr. Rohit Srivastava	GC Analysis of Hydrogen Gas	18800
35	Dr. Uttam Bhui	Flourescence spectra data of 4 pigment samples	21240
36	Dr. Jaykumar J Vora	Different Testing and analysis as per annexure -1	118802.4
37	Dr. Jaykumar J Vora	Designing of testing map arrangement for EDM cutting	50740

2. Completed Projects

File No	Title of the Project	Name of the Principal Investigators	Name of the Funding Agency	Total Grant Sanctioned (in INR)
1	Low Cost Renewable Energy Driven Water Treatment Solution Centre	Dr. Anurag Mudgal	Department of Science & Technology	37138330.00
2	Integrated Design and Demonstration of Intensified CO ₂ Capture with Cost Effective Advanced Process. (INDIA - CO ₂)	Dr. Sukanta Kumar Dash	Department of Biotechnology	6277120.00
3	NANOSOL: A Multifunctional Advanced Therapeutic Burn Wound Dressing	Prof. S. Sundar Manoharan	Ministry of Human Resource Development - STARS	4975000.00
4	Studies on Optical, Electrical, Microstructural Properties of MoS ₂ , SnS ₂ and MoS ₂ -SnS ₂ Hybrid Nanostructured Thin Films for Solar Cell Applications	Dr. Rama Gaur	Science and Engineering Research Board	825000.00
5	Development of Mxene-Transition Metal Compound Sulphide and Phosphide Hetro Nanstructures as Electrocatalysts for Overall Water Splitting	Dr. Nitin Chaudhari	Department of Science & Technology	3673828.00
6	Electrostatic Spray and CVD Based Textured and Solid Lubricated cBN - TiAlN - Graphene Coatings for Cutting Tools	Dr. Ramesh Kumar Guduru	Science and Engineering Research Board	4360400.00
7	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	Dr. Niragi Dave	Gujarat Council on Science and Technology	2471920.00
8	Development of Low Cost and Flexible Memristor Devices for High Density Data Storage and Neuromorphic Applications	Dr. Ankur Solanki	Science and Engineering Research Board	7124832.00
9	Mechano-chemical Synthesis of low cost and efficient Perovskite Solar cells	Dr. Pankaj Kumar Yadav	Gujarat Council on Science and Technology	3435520.00
10	A Semantic-Analytical Study	Dr. Vaibhav Shah	Indian Council of Philosophical Research	500000.00
11	Improving the stability of Perovskite Solar Cells (>1000 Hrs)	Dr. Manoj Kumar Pandey	Department of Science & Technology	3727196.00

12	Penetration of Digital Transactions in Rural India: Policies, Progress, Perceptions, Participation - A Study of Gujarat and Rajasthan	Dr. Sriram Divi	Mahatma Gandhi National Council of Rural Education	727100.00
13	Design and Development of Hybrid Battery Thermal Management System for Electric Vehicles (EVs) using Phase Change Material	Dr. Rajesh Patel	Gujarat Council on Science and Technology	2705000.00
14	Interregionalism in the Indian Ocean Region	Dr. Venkata Krishnan	Indian Council of Social Science Research	577500.00
15	Production of Shale Gas Using Supercritical Carbon Dioxide Fracturing in Shale Reservoir	Dr. Amit Verma	Science and Engineering Research Board	3115560.00
16	Research Project on Geoscientific Data Analysis of Kutch-Saurashtra Basins	Dr. Anirbid Sircar Dr. Bhawanisingh Desai Dr. Uttam Bhui	Directorate General of Hydrocarbons	1800000.00
17	Behavioural and Regional Comparative Analysis of Factors Limiting Millets Consumption among Urban Households in select Indian Cities	Dr. Nausheen Nizami	Indian Council of Social Science Research	1290000.00
18	Exploring metal oxide modified aluminosilicate geopolymers as photoactive adsorbents for environmental remediation	Dr. Kalisadhan Mukherjee	Gujarat Environment Managment Institute	315000.00
19	Energy Mapping, Forecasting of Solar PV and Empowerment of the Government, Private and Residential Sector of select districts of Gujarat	Dr. Akhilesh Shukla	Indian Council of Social Science Research	666500.00
20	Pradhan Mantri Fasal Bima Yojana: A Study of the Agricultural Insurance Schemes in Securing the Farmers Livelihood in India	Dr. Sriram Divi	Indian Council of Social Science Research	1397500.00
21	Investigations on Fabrication of PEEK-NITI Hybrid Implants for Bio-Medical Application via Additive Manufacturing Route	Mr. Vatsal Vagharia Dr. Jay Vora Dr. Rakesh Chaudhari	The Institution of Engineers (India)	76000.00
22	Design and Development of Advance Catalyst for Green Hydrogen Production and CO2 reduction	Dr. Rohit Srivastava	Shell Energy India Private Limited	7806000.00
23	Digital twin for oil & gas pipeline monitoring and risk analysis	Dr. R. K. Vij	Shell Energy India Private Limited	4920000.00

3. University Sponsored ORSP Projects

Sr No	Title of the Research Proposal	Name of student	Guide
1	Design and development of Iron redox flow battery for renewable energy storage systems	CHAUHAN HARENDRASINH (20BCH059) NEEL RAJESHKUMAR PATEL (20BCH143D) SWAYAM PATEL (21BCH055) ADIT UPADHYAY (20BCH091)	Rajat.Saxena
2	Silica-supported Pd and Cu-based Catalysts for the Efficient Synthesis of Bis(indolyl) alkanes and 3-Alkylated indoles	RUSHI SOLIYA (22BSC023) SNEHA MANGE (23MSCC23) RADHIKA TARAVIYA (23MSCC17) DAVE NANDINI DIPAKKUMAR (22RCY003)	Prakash.Chandra
3	Synthesis of magnetic nanoparticles and their functionalized counterparts for electrochemical sensing of aqueous phase toxic analytes.	PANDYA YASH (22MSCC16) WANGCHUK WANGCHUK (20BSC25) JASLEEN KAUR BHATIA (23MSCC08) YASH BHANUSHALI (21BSC021) VADAGAMA RIDDHISH (23MSCC19)	Kalisadhan.Mukherjee
4	Voice to sign	DEEP MATHUKIYA (22BCP348) SARDHARA ANSH (22BCP127) RAJANI DARSHAN (22BCP213) KASHYAP VEKARIYA (22BCP346) JENIL PATEL (22BCP332) PADMANI DARSHIL (22BCP321) MANSI PARMAR (22BCP286)	Debabrata.Swain/ Shakti mIshra
5	Facial Recognition Based Automated Student Attendance System using Handheld Device	ABHISHT CHOUHAN (21BCP450D) RISHIT DEEPAK LUNIA (21BCP347)	Hiren.Thakkar
6	Drone Suspended Cargo for Enhanced Aerial Operations	SHAH DARSHIL NIMESHKUMAR (23BME027) SHLOK GAURANG PANCHAL (23BEC174) KALASH JAIN (21BCP317) AMIT RAMRAKHYANI (21BCP318) BARBIE SHARMA (21BCP315)	Parth.Thakar / Anil markana
7	VitalAir Shield: Securing Environment and Lives from Harmful Gases	VEDANT DHARMENDRA MEHTA (21BEC040) SAHAJ VIMALKUMAR VITHALANI (21BEE046) ANUJ KUMAR SEN (21BEE047) DATTRAJSINH PILUDARIA (22BEE036)	Vipin.Shukla/ Shirsendu. Mitra
8	Development of Customized Multilevel Inverter with Novel Control Scheme for Solar Photovoltaic System	SATYARTH KAVTA (22BEE047) SAMYAK MUNOT (21BEE040) SHREE SOLANKI (20BEE028) HATHI SHREEJ (22BEE050) SHARMA RISHIKA NIRAJ (20BEE007) Patel Hetul(21BEE032) Mehta Maulin (21BEE022)	Kaibalya.Panda
9	Matching of Hand Dorsal Veins through Explainable AI	VATSA KALA (20BEC046) DHYEY KASUNDRA (20BEC043) SHREYASI CHUDASMA (20BEC030) SHREYA TRivedi (22BIT211) KANISHK MUNOT (22BEC023)	ritesh.vyas
10	Development of Novel Additives-Augmented Partially Hydrolyzed Polyacrylamide for Enhanced Oil Recovery	MUSKAN TANEJA (22BPE034) PANDYA HARSH (21BPE067) ANANYA VERMA (21BPE057) SUTHAR RAJVI KIRTIBHAI (21BPE066) SONI MAHARSHI PARIXIT (21BPE085) CHAVDA VISHWAJITSINH (21BPE087)	Achinta.Bera

11	- Asphaltene derived metal free carbon for electrocatalytic Hydrogen Evolution	CHITRANSHU S MISHRA (21BPE060) DCOSTA RAUL ROBERT (21BPE083) HARDIK SANJAY GAUTAM (21BPE094)	Uttam.bhui
12	Fabrication of Halide based Flexible Scintillators for X-ray Detection in medical imaging	THAKAR YATHARTH KETANKUMAR (22MSCP09) SUYOG MILIND PATIL (23BPE072) ARNAV CARPENTER (23BPE071) VAIBHAV CHHABLANI (23BME088) SUMIT PRASAD (23BPE044)	Sheetal.Rawat
13	Fabrication of advanced nonarchitects phosphor for efficiency improvement and application of Building Integrated Photovoltaics (BIPV)	ZALA PARAMSINH BHARATSINH (23RPH002) MANSI DESAI (22MSCC05) VAIDEI DAGA (22BSC002) KRISHAL JAIN (21BSC006) VINEET KUMAR (21BSC019)	Mayank.G/ Prakash. Chandra
14	Formation of p-type ZnO thin film by RF Magnetron Sputtering	ANMOL JAISWAL (22MSCP02) PANDYA HETVA SAMIRKUMAR (23MSCP07) YASHRAJ PATEL (21BEC094) NATHANIEL VARGHESE JOB (23MSCP10) VADSAK MITESHBHAI VIPULBHAI (23MSCP09)	Anup.Sanchela Bharat. Parekh
15	Radiation and Cosmic Ray Detection Using CCD Imagers	AMOGH M ACHARI (23MSCP02) UPADHYAY MAITRY MEHUL (23MSCP08) DHAIRYA PANDYA (20BEC004) SUMI NAVABSINGH BHADAURIA (21BSC014) ARYAN ASHOKBHAI DERANIA (20BSC18) SHREYA AJI (21BSC012)	Apoorva.Bhatt/ Abhishek.Gor
16	Determinants of Entrepreneurial Intentions Among Generation Z in Ahmedabad and Gandhinagar: A Survey-Based Study.	DESAI DIYA JAYMINBHAI (21BABBA131) RITIKA ADHIYA (21BABBA069)	Nausheen.Nizami
17	Psychosocial Evaluation and Attitude towards Environment – An Impact study of Electric Vehicle Perception in Western India (Gujarat, Goa, Maharashtra)	SAKSHI MUNJE (21BABBA098) SHAKSHI SRIVASTAVA (22MAPSY27) CHETAN KUMAR (22MAPSY26) CHETAN KUMAR (22MAPSY26) PUROHIT KANAN BIREN (23MAPSY16) KASHISH N SHAH (22BABBA325)	Prateek.Singh ritu.sharma
18	Analysing media's influence on public perception and support for Chandrayaan 3's landing	HITISHA WADHWANI (21BABBA209) DAKSH KAPILA (22BABBA033) MAHEK TRIPATHI (21BIT109)	Pradeep.Mallik
19	Navigating adulthood in terms of socio-economic and psychological aspects as an Indian orphan.	KIRTAN MAKANI (21BABBA059)	Sandesh.Mahajan
20	A study of Factors affecting secondary education enrollment in Gujarat	PRIYANSHI CHIRAG JOSHI (23MAECO10) MANSA BIHANI (23MAECO02) DIYA BAKRANIA (23MAECO01) ARYA T. MENON (21BABBA058)	Himani.Baxi
21	Fabrication of a new Oscillatory Bioreactor having a capacity of 2 L with a flow rate of 1 l.h-1 for Biodiesel Production	Om Prakashbhai Patel (21BPC020), Vamja Bhargav Ketanbhai (21BPC022), Patel Pritkumar Hasmukhbhai (21BPC029)	Siva Kumar

ANNEXURE-4

1. National/ International Student Activities

1. Conference/ Paper Published by students in reputed Journal

2. PDPU student bagged 1st All India Rank in GATE-2021, many other students have done excellently well and bagged position in top 100. (Details Below). Few students also cleared CAT and IELT for MBA and higher studies in 2021.

Name	Particulars
Ayushkumar Satishkumar Patel	All India Rank - 01
MahammadtaukirAlauddinbhaiKarigar	All India Rank - 88
PranavKumarDhruKumar Hajariwala	All India Rank - 497
Ashish Gupta	All India Rank - 310
Vaidik Bipinbhai Patel	All India Rank - 375
Dixit Kumar Bharatbhaisabhani	All India Rank - 240
Mohamadsaif Asif Iqbal Mansuri	All India Rank - 221
Bhumin Kumar Mahasukh Baraiya	All India Rank - 108
Rutvik Chandubhai Navadiya	All India Rank - 22
Jamin Kumar Maheshbhau Vasava	All India Rank - 423
Chirag Popatbhai Bhadiyadra	All India Rank - 153
Ayush Kumar Satish Kumar Patel	All India Rank - 954
HasmitabeanKarmanbhaiKadavla	All India Rank - 289
SorathiyaKapilKhimjibhai	All India Rank - 310
Shani M Suthar	All India Rank - 576
JenisgiriShivgiriGoswami	All India Rank - 542
YatriKetanKumar Shah	All India Rank - 316
Kartik Umat	IELTS
Thakkar MehulKumarPrabodhchandra	CAT

2. National / International Faculty Publications

Sr. no	Author	Title	Journal	Month	Year	Department
1	Nisha Singh	Tick hemocytes have a pleiotropic role in microbial infection and arthropod fitness	Nature Communications	Feb	2024	Biotechnology
2	Sachidanand Singh	Secretory molecules from secretion systems fine-tune the host-beneficial bacteria (PGPRs) interaction	Front. Microbiol.	Jan	2024	Biotechnology
3	Nisha Singh	Bacterial reprogramming of tick metabolism impacts vector fitness and susceptibility to infection	Nature Microbiology	Jul	2024	Biotechnology
4	Rajesh Desai	Reviews and directions of FinTech research: bibliometric–content analysis approach	Journal of Financial Services Marketing	Nov	2023	Business Administration
5	Rajesh Desai	Working capital policy of newly incorporated firms	Asian Journal of Accounting Research	Feb	2024	Business Administration
6	Rajesh Desai	Nexus between mandatory ESG disclosure regulation and abnormal stock returns a study of an emerging economy	International Journal of Law and Management	Jan	2024	Business Administration
7	Tejas Dave	An Education on Chatgpt's Influence On Minor Economics Bank in India Aimed At Their Social Media Advertising And Communal Activities	Migration Letters	Feb	2024	Business Administration
8	Ashwin Parwani	An Education on Chatgpt's Influence On Minor Economics Bank in India Aimed At Their Social Media Advertising And Communal Activities	Migration Letters	Feb	2024	Business Administration
9	Ankita Srivastava	SUSTAINABILITY CHALLENGES FOR THE POST-PANDEMIC RESILIENCE OF INDIA'S IT INDUSTRY	Indian Journal of Psychology	Mar	2024	Business Administration
10	Ankita Srivastava	"Navigating the Digital Landscape: Decoding Gen Z's Social Media Influence and its Strategic Implications for Businesses"	Rabindra Bharati University Journal of Economics	Mar	2024	Business Administration
11	Ashwin Parwani	ESG Performance as Determinant of Firm Performance: Accounting and Market- Based Approach	SMART - Journal of Business Management Studies	Jul	2024	Business Administration
12	Rajesh Desai	ESG Performance as Determinant of Firm Performance: Accounting and Market- Based Approach	SMART - Journal of Business Management Studies	Jul	2024	Business Administration
13	Akhilesh Nandkishor Shukla	ESG Performance as Determinant of Firm Performance: Accounting and Market- Based Approach	SMART - Journal of Business Management Studies	Jul	2024	Business Administration

14	Tejas Dave	FARMERS PROFILES ENGAGING IN CROP DIVERSIFICATION FROM SOCIOECONOMIC PERSPECTIVE	Annals of the Bhandarkar Oriental Research Institute	Apr	2024	Business Administration
15	Ashwin Parwani	FARMERS PROFILES ENGAGING IN CROP DIVERSIFICATION FROM SOCIOECONOMIC PERSPECTIVE	Annals of the Bhandarkar Oriental Research Institute	Apr	2024	Business Administration
16	Tejas Dave	INFORMAL LAND LEASING LEGITIMACY IN RURAL INDIA	SHODH-PRABHA	Apr	2024	Business Administration
17	Ashwin Parwani	INFORMAL LAND LEASING LEGITIMACY IN RURAL INDIA	SHODH-PRABHA	Apr	2024	Business Administration
18	Rajesh Desai	Investor reaction to the mandatory reporting of corporate ESG practices in the Indian stock market: an event study approach (2020–2021)	International Journal of Green Economics	May	2024	Business Administration
19	Tejas Dave	SERIOUS ISSUES IN ACCEPTANCE OF RECHARGEABLE CARS BRANDING IN INDIA: A EDUCATION	THE JOURNAL OF ORIENTAL RESEARCH MADRAS	Apr	2024	Business Administration
20	Ashwin Parwani	SERIOUS ISSUES IN ACCEPTANCE OF RECHARGEABLE CARS BRANDING IN INDIA: A EDUCATION	THE JOURNAL OF ORIENTAL RESEARCH MADRAS	Apr	2024	Business Administration
21	Rajesh Desai	Mandatory reporting of business responsibility and sustainability and stock market response: Evidence from an emerging economy	Indonesian Journal of Sustainability Accounting and Management	Jul	2024	Business Administration
22	Rajesh Desai	Analysing the Firm Value Effects of Environmental, Social and Governance Disclosure Empirical Study of Indian Firms	NMIMS Management Review	Aug	2024	Business Administration
23	Akhilesh Nandkishor Shukla	Investigating The Impact Of ESG On Responsible Business Practices: An Integrated ISM And MICMAC Methodological Approach	African Journal of Biomedical Research	Jul	2024	Business Administration
24	Tejas Dave	Moderating role of Digital Consumer Protection in Impacting the Intention to Use Digital Financial Services	International Review of Management and Marketing	Aug	2024	Business Administration
25	Tejas Dave	A SERVQUAL Based Model for determining the Continuous Usage of Digital Financial Services by Consumers of Gujarat	AFJBS	Aug	2024	Business Administration
26	Tejas Dave	The Role of Social Media Influencers In Digital Marketing And Its Impression On Consumer Procure Intentions	Library Progress International	Jul	2024	Business Administration

27	Vinod Varghese	The Role Of Artificial Intelligence In Predicting Stock Market Trends	Library Progress International	Jul	2024	Business Administration
28	Ashwin Parwani	The Role Of Artificial Intelligence In Predicting Stock Market Trends	Library Progress International	Jul	2024	Business Administration
29	Vinod Varghese	The Role Of Artificial Intelligence In Predicting Stock Market Trends Article Sidebar	Library Progress International	Jul	2024	Business Administration
30	Ashwin Parwani	The Role Of Artificial Intelligence In Predicting Stock Market Trends Article Sidebar	Library Progress International	Jul	2024	Business Administration
31	Rajesh Desai	Nexus Between Debt Financing and Market Value Moderated by Firm Size: Panel Data Evidence from India	Vision: The Journal of Business Perspective (Web of Science - Q2, Scopus - Q2, ABDC)	Nov	2024	Business Administration
32	Rajesh Desai	Unveiling the drivers of green loan disclosures: a study of financial and governance determinants	Journal of Financial Regulation and Compliance (Web of Science, Scopus, ABDC)	Oct	2024	Business Administration
33	Manan Shah	Geothermal solar Integrated Multistage Flash Distillation Cogeneration system: A cleaner and sustainable solution	Desalination	Nov	2023	Chemical
34	Manan Shah	A Convolutional Neural Network ensemble model for Pneumonia Detection using chest X-ray images	Healthcare Analytics	Nov	2023	Chemical
35	Manan Shah	Appraisal of groundwater trait for drinking and irrigation desire in capital district Gandhinagar, Gujarat, India	Modeling Earth Systems and Environment	Nov	2023	Chemical
36	Manan Shah	A comprehensive review on electro-oxidation and its types for wastewater treatment	Groundwater for Sustainable Development	Nov	2023	Chemical
37	Garima Mishra	Advances in Computational Fluid Dynamics Modeling for Biomass Pyrolysis: A Review	Energies	Nov	2023	Chemical
38	Dadi Venkata Surya	Advances in Computational Fluid Dynamics Modeling for Biomass Pyrolysis: A Review	Energies	Nov	2023	Chemical
39	Dadi Venkata Surya	Significance of a permeable semi-circular body and magnetic field on the double-diffusive traits	International Journal of Thermofluids	Nov	2023	Chemical
40	Manan Shah	Context-Based Bigram Model for POS Tagging in Hindi: A Heuristic Approach	Annals of Data Science	Mar	2024	Chemical
41	Manan Shah	A Comprehensive Study of Artificial Intelligence and Cybersecurity on Bitcoin, Crypto Currency and Banking System	Annals of Data Science	Feb	2024	Chemical

42	Manan Shah	Sentiment Analysis of Twitter Feeds Using Flask Environment: A Superior Application of Data Analysis	Annals of Data Science	Feb	2024	Chemical
43	Manan Shah	All phase discrete cosine biorthogonal transform versus discrete cosine transform in digital watermarking	Multimedia Tools and Applications	Feb	2024	Chemical
44	Dadi Venkata Surya	Challenges and opportunities in the production of sustainable hydrogen from lignocellulosic biomass using microwave-assisted pyrolysis: A review	International Journal of Hydrogen Energy	Jan	2024	Chemical
45	Manan Shah	Challenges and opportunities in the production of sustainable hydrogen from lignocellulosic biomass using microwave-assisted pyrolysis: A review	International Journal of Hydrogen Energy	Jan	2024	Chemical
46	Pravin Kodgire	Analysis of a novel high-speed homogenizer technique for methyl ester production using waste cooking oil: Multi-objective optimization and energy analysis	Chemical Engineering Research and Design	Jan	2024	Chemical
47	Pravin Kodgire	Review of Garnet-Based Solid Electrolytes for Li-Ion Batteries (LIBs)	Journal of Electronic Materials	Feb	2024	Chemical
48	MD Aurangzeb	Performance investigation of MISO soft sensors in predicting AQI: a comparative analysis	Indian Chemical Engineer	Feb	2024	Chemical
49	Sukanta Dash, PhD,FIE	Density, Viscosity, and Surface Tension of Aqueous 1-Methylpiperazine and its Carbonated Solvents for CO ₂ Capture Process	Journal of Chemical & Engineering Data	Mar	2024	Chemical
50	Shirsendu Mitra	Buoyancy-Driven Micro-/Nanomotors: From Fundamentals to Applications	Small	Jan	2024	Chemical
51	Shirsendu Mitra	Recent Advances of Micro/Nano-Motor-Facilitated Electrochemical Sensor Development	Journal of Electrochemical Society	Feb	2024	Chemical
52	Bharti Verma	Recent Advances of Micro/Nano-Motor-Facilitated Electrochemical Sensor Development	Journal of Electrochemical Society	Feb	2024	Chemical
53	Swapnil Dharaskar	Development of MXene for removal of lead (Pb+) ions from wastewater	Water Practice & Technology	Mar	2024	Chemical
54	Manish Sinha	Regression-based analysis of a Fe-catalysed ozone-based process for degradation of pharmaceutical	Materials Today: Proceedings	Jan	2024	Chemical

55	Himanshu Choksi	Green synthesis of iron oxide nanoparticles using <i>Nicotiana plumbaginifolia</i> and their biological evaluation,	Journal of Molecular Liquids	Jan	2024	Chemical
56	Manan Shah	A Comparative and Systematic Study of Machine Learning (ML) Approaches for Particulate Matter (PM) Prediction	Archives of Computational Methods in Engineering	Mar	2024	Chemical
57	MD Aurangzeb	Dividing-Wall Column for Separating Wide Boiling Mixture: Optimal Design and Servo Control Strategy	Asia-Pacific Journal of Chemical Engineering	Mar	2024	Chemical
58	Ravi Tejasvi	Dividing-Wall Column for Separating Wide Boiling Mixture: Optimal Design and Servo Control Strategy	Asia-Pacific Journal of Chemical Engineering	Mar	2024	Chemical
59	Subhankar Roy	Dividing-Wall Column for Separating Wide Boiling Mixture: Optimal Design and Servo Control Strategy	Asia-Pacific Journal of Chemical Engineering	Mar	2024	Chemical
60	Himanshu Choksi	Investigating the Impact of Microwave and Conventional Heating Sources on the Co-pyrolysis of Plastics with Non-Biomass Materials	Journal of Analytical and Applied Pyrolysis	Jan	2024	Chemical
61	Swapnil Dharaskar	Advances in phase change materials, heat transfer enhancement techniques, and their applications in thermal energy storage: A comprehensive review	Journal of Energy Storage	Mar	2024	Chemical
62	Manan Shah	A comprehensive review of geothermal energy storage: Methods and applications	Journal of Energy Storage	Sep	2024	Chemical
63	Manan Shah	A systematic study on key Epigenetic modulators in post-stroke conditions	Advances in Biomarker Sciences and Technology	Jun	2024	Chemical
64	Manan Shah	A Comprehensive Review of Machine Learning Algorithms and Its Application in Groundwater Quality Prediction	Archives of Computational Methods in Engineering	Jun	2024	Chemical
65	Manan Shah	A comprehensive study on epigenetic biomarkers in early detection and prognosis of Alzheimer's disease	Biomedical Analysis	Jun	2024	Chemical
66	Manan Shah	Emerging technology adoption for sustainable agriculture in India—a pilot study	Journal of Agriculture and Food Research	Sep	2024	Chemical
67	Manan Shah	A Systematic and Comprehensive Study on Machine Learning and Deep Learning Models in Web Traffic Prediction	Archives of Computational Methods in Engineering	Apr	2024	Chemical

68	Manan Shah	Crop protection and disease detection using artificial intelligence and computer vision: a comprehensive review	Multimedia Tools and Applications	Apr	2024	Chemical
69	Pravin Kodgire	Valorization of <i>Bambusa striata</i> shavings into functional superparamagnetic material and its application in biodiesel production: Response surface optimization, kinetics, thermodynamics and economic assessment	Process Safety and Environmental Protection	Jun	2024	Chemical
70	Pravin Kodgire	A review on sustainable and scalable biodiesel production using ultra-sonication technology	Renewable Energy	May	2024	Chemical
71	Manan Shah	Shallow and Deep Geothermal water sources in Unai Geothermal Field , Gujarat, India, with Application of Magnetotelluric (MT)	Unconventional Resources	Apr	2024	Chemical
72	Swapnil Dharaskar	Sustainable methanol production from carbon dioxide: advances, challenges, and future prospects	Environmental Science and Pollution Research	Jul	2024	Chemical
73	ASHISH UNNARKAT	Sustainable methanol production from carbon dioxide: advances, challenges, and future prospects	Environmental Science and Pollution Research	Jul	2024	Chemical
74	Sukanta Dash, PhD,FIE	Dissociation Constant of Di- and Tri-Basic Solvents Based on Piperazine and Its Derivatives for Post-Combustion CO ₂ Capture	Chemistry Select	Apr	2024	Chemical
75	Manish Sinha	Synthesis and characterization of mixed matrix membranes with graphene oxide-impregnated zeolitic imidazolate framework-8 for enhanced CO ₂ /CH ₄ separation	Asia Pacific Journal of Chemical Engineering	May	2024	Chemical
76	Surendra Sasikumar Jampa	Synthesis and characterization of mixed matrix membranes with graphene oxide-impregnated zeolitic imidazolate framework-8 for enhanced CO ₂ /CH ₄ separation	Asia Pacific Journal of Chemical Engineering	May	2024	Chemical
77	Manish Sinha	Dr. Manish Kumar Sinha Magnetite nanoparticle mediated ozonation of ciprofloxacin wastewater: energy calculation and optimization of parameters	Chemical Engineering Communications	Jun	2024	Chemical
78	Manish Sinha	Tailoring CO ₂ /CH ₄ Separation Efficiency with [THTDP][Cl]/Pebax-1657 Supported Ionic Liquid Membranes: Design, Characterization, and Theoretical Insights	Topics in Catalysis	Jun	2024	Chemical

79	Swapnil Dharaskar	Tailoring CO ₂ /CH ₄ Separation Efficiency with [THTDP][Cl]/Pebax-1657 Supported Ionic Liquid Membranes: Design, Characterization, and Theoretical Insights	Topics in Catalysis	Jun	2024	Chemical
80	Surendra Sasikumar Jampa	Study of novel Zn-MOF-II modified polymeric membrane in wastewater treatment containing oily waste and humic acid (NOM)	Water Practice & Technology	Aug	2024	Chemical
81	Manish Sinha	Study of novel Zn-MOF-II modified polymeric membrane in wastewater treatment containing oily waste and humic acid (NOM)	Water Practice & Technology	Aug	2024	Chemical
82	Syed Shahabuddin	A cost-effective approach for decontamination of used lubricant oil: enhanced recovery of base oil using different adsorbents	International Journal of Environmental Science and Technology	Nov	2023	Chemistry
83	Rama Gaur	A cost-effective approach for decontamination of used lubricant oil: enhanced recovery of base oil using different adsorbents	International Journal of Environmental Science and Technology	Nov	2023	Chemistry
84	Rajib Bandyopadhyay	Cyclo-addition of carbon dioxide to epoxides employing hierarchical silicoaluminophosphates molecular sieves	Molecular Catalysis	Nov	2023	Chemistry
85	Prakash Chandra	Reverse microemulsion assisted synthesis of copper nano-catalyst for highly selective toluene oxidation	Journal of Porous Materials	Nov	2023	Chemistry
86	Rajib Bandyopadhyay	Alkylation of toluene to mono-benzylated toluene over micro-mesoporous zeolite: Effect of post-synthetic treatment and catalytic application	European Journal of Inorganic Chemistry	Nov	2023	Chemistry
87	Syed Shahabuddin	Dual cross-linked gellan gum/gelatin-based multifunctional nanocomposite hydrogel scaffold for full-thickness wound healing	International Journal of Biological Macromolecules	Nov	2023	Chemistry
88	Syed Shahabuddin	Polyaniline-based filtration assembly for efficient recovery and recycling of used lubricant oil: a sustainable approach for environmental remediation	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	Nov	2023	Chemistry
89	Syed Shahabuddin	Organic-inorganic composite nanocoatings with superhydrophobicity and thermal stability	Pigment & Resin Technology	Jan	2024	Chemistry

90	Nitin Chaudhari	Engineered ionic liquids supported on activated carbon as a sustainable and selective catalyst for viable fixation of CO ₂ into valuable chemicals	Chemical Engineering Journal	Feb	2024	Chemistry
91	Kalisadhan Mukherjee	Probing the p-type Chemiresistive Response of NiFe ₂ O ₄ Nanoparticles for Potential Utilization as Ethanol Sensor	Chemistry An Asian Journal	Jan	2024	Chemistry
92	Rajib Bandyopadhyay	Probing the p-type Chemiresistive Response of NiFe ₂ O ₄ Nanoparticles for Potential Utilization as Ethanol Sensor	Chemistry An Asian Journal	Jan	2024	Chemistry
93	S. SUNDAR MANOHARAN	Revealing Anti-Fungal Potential of Plant-Derived Bioactive Therapeutics in Targeting Secreted Aspartyl Proteinase (SAP) of <i>Candida albicans</i> : A Molecular Dynamics Approach	Journal of Biomolecular Structure and Dynamics	Jan	2024	Chemistry
94	Balanagulu Busupalli	Interface Engineering Enables Multilevel Resistive Switching in Low-Power Chemobrionic Copper Silicate	ACS Langmuir	Jan	2024	Chemistry
95	Prakash Chandra	Review of Garnet-Based Solid Electrolytes for Li-Ion Batteries (LIBs)	Journal of Electronic Materials	Feb	2024	Chemistry
96	Kalisadhan Mukherjee	Wet Chemical Synthesis of Cubic Spinel Ferrites: A Review Addressing Phase Formation Behavior and Nanostructuring	Crystal Growth and Design	Jan	2024	Chemistry
97	Nandini Mukherjee	Wet Chemical Synthesis of Cubic Spinel Ferrites: A Review Addressing Phase Formation Behavior and Nanostructuring	Crystal Growth and Design	Jan	2024	Chemistry
98	Rajib Bandyopadhyay	Investigation on the adsorption of cationic dyes and heavy metal ions onzeolite HY from aqueous solution	Materials Today: Proceedings	Jan	2024	Chemistry
99	Rama Gaur	Investigation on the adsorption of cationic dyes and heavy metal ions onzeolite HY from aqueous solution	Materials Today: Proceedings	Jan	2024	Chemistry
100	Syed Shahabuddin	Investigation on the adsorption of cationic dyes and heavy metal ions onzeolite HY from aqueous solution	Materials Today: Proceedings	Jan	2024	Chemistry
101	Syed Shahabuddin	Synthesis and application of ZSM-5/Graphene composite for photocatalytic degradation of industrial dyes	Advances in Natural Sciences: Nanoscience and Nanotechnology	Mar	2024	Chemistry
102	Rama Gaur	Synthesis and application of ZSM-5/Graphene composite for photocatalytic degradation of industrial dyes	Advances in Natural Sciences: Nanoscience and Nanotechnology	Mar	2024	Chemistry

103	Rajib Bandyopadhyay	Synthesis and application of ZSM-5/Graphene composite for photocatalytic degradation of industrial dyes	Advances in Natural Sciences: Nanoscience and Nanotechnology	Mar	2024	Chemistry
104	Rajib Bandyopadhyay	Density, Viscosity, and Surface Tension of Aqueous 1-Methylpiperazine and its Carbonated Solvents for CO ₂ Capture Process	Journal of Chemical & Engineering Data	Mar	2024	Chemistry
105	Nitin Chaudhari	Hollow CeO ₂ Nanospheres as Catalyst for the Conversion of Aromatic Diamines to Benzimidazoles	ACS applied nano materials	Feb	2024	Chemistry
106	Prakash Chandra	Synthesis of polyindole/gallium-gadolinium-aluminum garnet nano-composite for supercapacitor electrode	Journal of Materials Science: Materials in Electronics	Feb	2024	Chemistry
107	Kalisadhan Mukherjee	Oxygen vacancy-enriched Zn ₂ SnO ₄ for aliphatic alcohol sensing and enhanced selectivity towards n-butanol	Physical Chemistry Chemical Physics	Jan	2024	Chemistry
108	Kalisadhan Mukherjee	Autocombustion Route Derived Zinc Ferrite Nanoparticles as Chemiresistive Sensor for Detection of Alcohol Vapors	ChemPhysChem	Jul	2024	Chemistry
109	Rajib Bandyopadhyay	Autocombustion Route Derived Zinc Ferrite Nanoparticles as Chemiresistive Sensor for Detection of Alcohol Vapors	ChemPhysChem	Jul	2024	Chemistry
110	Prakash Chandra	Novel Synthesis of radioluminescent CsI:Tl microcrystals under ambient conditions by antisolvent recrystallization method	Optical Materials	Feb	2024	Chemistry
111	Syed Shahabuddin	β-Carotene laden antibacterial and antioxidant gelatin/polyglyceryl stearate nano-hydrogel system for burn wound healing application	International Journal of Biological Macromolecules	Jan	2024	Chemistry
112	Rama Gaur	β-Carotene laden antibacterial and antioxidant gelatin/polyglyceryl stearate nano-hydrogel system for burn wound healing application	International Journal of Biological Macromolecules	Jan	2024	Chemistry
113	Prakash Chandra	Synthesis of Cerium-doped Gadolinium Gallium Aluminum Garnet (GGAG:Ce) Scintillating Powder via Solvothermal Method	Physica Scripta	Mar	2024	Chemistry

114	Rama Gaur	A Facile One-Pot Approach for Synthesis of Graphene-CdS Nanocomposites and Implementation towards Visible Light Driven Photocatalytic Degradation of Chlorpyrifos	ChemistrySelect	Jan	2024	Chemistry
115	Syed Shahabuddin	A Facile One-Pot Approach for Synthesis of Graphene-CdS Nanocomposites and Implementation towards Visible Light Driven Photocatalytic Degradation of Chlorpyrifos	ChemistrySelect	Jan	2024	Chemistry
116	Prakash Chandra	Rare Earth metal oxide nanoparticle-infused polymer nanocomposites for enhanced supercapacitor electrodes	Journal of Molecular Structure	Mar	2024	Chemistry
117	Tapan Kumar Pal	Fluorescent MOF and Its Gel Composite for the Fluorescence Recovery “Turn-On” Detection of Al ³⁺ Ions and “Turn-Off” Detection of Oxo-Anions	Inorganic Chemistry	Jan	2024	Chemistry
118	Ranjan Pati	Fluorescent MOF and Its Gel Composite for the Fluorescence Recovery “Turn-On” Detection of Al ³⁺ Ions and “Turn-Off” Detection of Oxo-Anions	Inorganic Chemistry	Jan	2024	Chemistry
119	Anirban Das	Exploring riverine solute behavior, dynamics, and export into the Arabian Sea from a semi-arid catchment, Western India	Environmental Earth Sciences	Jan	2024	Chemistry
120	Anirban Das	Spatiotemporal variations, sources, pollution status and health risk assessment of dissolved trace elements in a major Arabian Sea draining river: insights from multivariate statistical and machine learning approaches	Environmental Geochemistry and Health	Apr	2024	Chemistry
121	Syed Shahabuddin	A facile approach for refining waste lubricant oil: A hazardous water contaminant	Materials Today: Proceedings	Jan	2024	Chemistry
122	Rama Gaur	A facile approach for refining waste lubricant oil: A hazardous water contaminant	Materials Today: Proceedings	Jan	2024	Chemistry
123	Rama Gaur	Photocatalytic degradation of noxious p-nitrophenol using hydrothermally synthesized stannous and zinc oxide catalysts	Physics and Chemistry of the Earth, Parts A/B/C	Feb	2024	Chemistry
124	Nitin Chaudhari	Control-Etched Ti ₃ C ₂ T _x MXene Nanosheets for a Low-Voltage-Operating Flexible Memristor for Efficient Neuromorphic Computation	ACS Applied Materials & Interfaces	Mar	2024	Chemistry

125	Nitin Chaudhari	Efficient Selective Catalytic Fixation of CO ₂ into Epoxide to Form Cyclic Carbonates Using Sodium Aluminate Engineered Gamma Alumina Catalyst	Applied Organometallic Chemistry	Mar	2024	Chemistry
126	Rama Gaur	Synthesis of Silver Nanoparticles by Green Approaches and their Various Applications: A Review	Indian Journal of Applied & Pure Biology	Feb	2024	Chemistry
127	Nitin Chaudhari	Development of MXene for removal of lead (Pb ⁺) ions from wastewater	Water Practice and Technology	Apr	2024	Chemistry
128	Nitin Chaudhari	Efficient Selective Catalytic Fixation of CO ₂ into Epoxide to Form Cyclic Carbonates Using Sodium Aluminate Engineered Gamma Alumina Catalyst	Applied Organometallic Chemistry	May	2024	Chemistry
129	Nitin Chaudhari	Advancements and Perspective of Environmentally Sustainable Technologies for Electrochemical Selective Conversion of CO ₂ to Methanol	Catalysis Reviews	May	2024	Chemistry
130	Anu Manhas	Computational and bioinformatics tools for understanding disease mechanisms	Biocell	Jun	2024	Chemistry
131	Anu Manhas	Highly efficient synthesis of isoxazolones and pyrazolones using g-C ₃ N ₄ -OH nanocomposite with their in silico molecular docking, pharmacokinetics and simulation studies	Scientific Reports	Aug	2024	Chemistry
132	Anu Manhas	Screening of synthesized perimidine compounds for the assessment of antimicrobial potential: in-vitro and in-silico molecular docking and molecular dynamics simulation studies	Discover Chemistry	Oct	2024	Chemistry
133	Debasis Sarkar	Automation of Construction Projects through Application of Artificial Intelligence	International Journal of Membrane Science and Technology	Nov	2023	Civil
134	Shobhit Chaturvedi	Robust Multi-Objective Building Design Optimization Approach using NSGA-II Algorithm considering Weather and Occupant Uncertainties	International Journal of Ambient Energy	Nov	2023	Civil
135	Rajesh Gujar	Estimation of vehicle control delay using artificial intelligence techniques for heterogeneous traffic conditions	Expert Systems With Applications	Jan	2024	Civil
136	Debasis Sarkar	Automation and optimization in daylight analysis and life cycle assessment for automated daylight monitoring device for a metro rail station box in Ahmedabad, India	International Journal of Construction Management	Feb	2024	Civil

137	Dhruvesh P Patel	Channel planform dynamics using earth observations across Rel river, western India: A synergetic approach	Spatial Information Research	Mar	2024	Civil
138	Tejaskumar Thaker	Utilization of Post-Consumer Plastic Water Bottles as an Admixture for Improving the Soil Subgrade	Geotechnical Special Publication 351, Americal Society of Civil Engieners (ASCE)	Feb	2024	Civil
139	Tejaskumar Thaker	The Significance of Seismic Hazard Analysis in Building Resilience to Earthquakes	Geotechnical Special Publication 351, Americal Society of Civil Engieners (ASCE)	Feb	2024	Civil
140	Shabiimam M A	Qualitative Analysis of Physio-Chemical Parameters of Soil to Underline the Effects of Pipeline Laying on Soil Fertility	Lecture Notes in Civil Engineering	Mar	2024	Civil
141	Shabiimam M A	Qualitative Analysis of Physio-Chemical Parameters of Soil to Underline the Effects of Pipeline Laying on Soil Fertility	Lecture Notes in Civil Engineering	Mar	2024	Civil
142	Debasis Sarkar	Evaluation of Key Performance Indicators of Internet of Things and Cloud Computing for Infrastructure Projects in Gujarat, India through Consistent Fuzzy Preference Relations Approach	International Journal of Construction Management	Mar	2024	Civil
143	Shobhit Chaturvedi	Spatiotemporal analysis of land surface temperature trends in Nashik, India: A 30-year study from 1992 to 2022	Earth Science Informatics	Mar	2024	Civil
144	Niragi Dave	EFFECTS OF COAL BOTTOM ASH ON THE STANDARD CONSISTENCY AND SETTING TIME OF BINARY BINDERS	Indian Concrete Journal	Mar	2024	Civil
145	Niragi Dave	EFFECT OF SUBMICRON CERAMIC WASTE POWDER ON THE STANDARD CONSISTENCY AND SETTING PROPERTIES OF BINARY BINDERS	Indian Concrete Journal	Mar	2024	Civil
146	Niragi Dave	EFFECT OF PULVERIZED CERAMIC WASTE POWDER AS A PARTIAL CEMENT REPLACEMENT IN CEMENT PASTE AND MORTAR APPLICATION	Indian Concrete Journal	Mar	2024	Civil
147	Dhruvesh P Patel	Synergizing google earth engine and earth observations for potential impact of land use/ land cover on air quality	Results in Engineering, Elsevier	Mar	2024	Civil
148	Manivel M	Policy analysis for sustainable EV charging facility adoption using SEM-ANN approach	Transportation Research Part A: Policy and Practice	Apr	2024	Civil

149	Shabiimam M A	Assessing environmental impacts of a textile company using life cycle assessment approach—a case study	Environmental Science and Pollution Research	May	2024	Civil
150	Shabiimam M A	Assessing environmental impacts of a textile company using life cycle assessment approach—a case study	Environmental Science and Pollution Research	May	2024	Civil
151	Debasis Sarkar	A comprehensive study incorporating structural equation modeling and factor alanyisis study on the evaluation of performance criteria for infratsructure development projects	International Journal of Construction Management	Apr	2024	Civil
152	Shobhit Chaturvedi	A comprehensive study incorporating structural equation modeling and factor alanyisis study on the evaluation of performance criteria for infratsructure development projects	International Journal of Construction Management	Apr	2024	Civil
153	Debasis Sarkar	Forecasting the probability of successful deployment of internet of things and cloud computing in the building sector through consistent fuzzy preference relations method	World Journal of Engineering	Apr	2024	Civil
154	Debasis Sarkar	Application of Machine Learning and Artificial Neural Network to predict real estate sales	Lecture Notes in Civil Engineering	Aug	2024	Civil
155	Debasis Sarkar	Artificial Intelligence based comprehensive strength prediction of medium to high strength ready-mixed concrete	Lecture Notes in Civil Engineering	Aug	2024	Civil
156	Debasis Sarkar	Evaluation and optimization of key performance indicators affecting adoption of the building information modeling and blockchain technology in Indian construction sector through fuzzy TOPSIS and genetic algorithm	International Journal of Construction Management	Sep	2024	Civil
157	Manivel M	Investigating the potential of a battery swapping method at refuel stations for electric vehicle: A case study of INDIA	Transportation Research Part F: Traffic Psychology and Behaviour	Nov	2024	Civil
158	Rutvij Jhaveri	Consumer-Centric Internet ofMedical Things for Cyborg Applications based on Federated Reinforcement Learning	IEEE Transactions on Consumer Electronics	Nov	2023	Department of Computer Science and Engineering
159	Samir Patel	Modeling PolSAR classification using convolutional neural network with homogeneity based kernel selection	Modeling Earth Systems and Environment	Nov	2023	Department of Computer Science and Engineering

160	Debabrata Swain	Enhanced handwritten digit recognition using optimally selected optimizer for an ANN	Multimedia Tools and Applications	Nov	2023	Department of Computer Science and Engineering
161	Yogesh Kumar	Radix-4 CORDIC algorithm based low-latency and hardware efficient VLSI architecture for Nth root and Nth power computations	Scientific Reports, Nature	Nov	2023	Department of Computer Science and Engineering
162	Hirenkumar Thakkar	Robust and Secure Medical Image Watermarking for Edge-Enabled e-Healthcare	IEEE Access	Nov	2023	Department of Computer Science and Engineering
163	Hirenkumar Thakkar	Student Placement Probabilistic Assessment Using Emotional Quotient With Machine Learning: A Conceptual Case Study	IEEE Access	Nov	2023	Department of Computer Science and Engineering
164	Sidheswar Routray	Consumer Personalized Gesture Recognition in UAV Based Industry 5.0 Applications	IEEE Transactions on Consumer Electronics	Nov	2023	Department of Computer Science and Engineering
165	Santosh Kumar Bharti	Context-Based Bigram Model for POS Tagging in Hindi: A Heuristic Approach	Annals of Data Science	Mar	2024	Department of Computer Science and Engineering
166	Rajeev Kumar Gupta	Context-Based Bigram Model for POS Tagging in Hindi: A Heuristic Approach	Annals of Data Science	Mar	2024	Department of Computer Science and Engineering
167	Samir Patel	Context-Based Bigram Model for POS Tagging in Hindi: A Heuristic Approach	Annals of Data Science	Mar	2024	Department of Computer Science and Engineering
168	Samir Patel	Sentiment Analysis of Twitter Feeds Using Flask Environment: A Superior Application of Data Analysis	Annals of Data Science	Feb	2024	Department of Computer Science and Engineering
169	Rajeev Kumar Gupta	An explainable brain tumor detection and classification model using deep learning and layer-wise relevance propagation	Multimedia Tools and Applications	Mar	2024	Department of Computer Science and Engineering
170	Samir Patel	All phase discrete cosine biorthogonal transform versus discrete cosine transform in digital watermarking	Multimedia Tools and Applications	Feb	2024	Department of Computer Science and Engineering
171	Rajeev Kumar Gupta	All phase discrete cosine biorthogonal transform versus discrete cosine transform in digital watermarking	Multimedia Tools and Applications	Feb	2024	Department of Computer Science and Engineering
172	Rutvij Jhaveri	Performance Analysis of Satellite-Vehicle Networks With a Non-Terrestrial Vehicle	IEEE Transactions on Intelligent Vehicles	Jan	2024	Department of Computer Science and Engineering

173	Samir Patel	Breast Lesion Classification from Mammograms using Deep Neural Network and Test Time Augmentation	Neural Computing and Applications	Feb	2024	Department of Computer Science and Engineering
174	Samir Patel	Digital mammography dataset for breast cancer diagnosis research (DMID) with breast mass segmentation analysis	Biomedical Engineering Letters	Mar	2024	Department of Computer Science and Engineering
175	Yogesh Kumar	A Comprehensive Analysis of Speech Recognition Systems in Healthcare: Current Research Challenges and Future Prospects	SN Computer Science, Springer	Jan	2024	Department of Computer Science and Engineering
176	Yogesh Kumar	Metaheuristic-based hyperparameter optimization for multi-disease detection and diagnosis in machine learning	Service-Oriented Computing & Applications Journal, Springer.	Jan	2024	Department of Computer Science and Engineering
177	Samir Patel	Breast lesion classification from mammograms using deep neural network and test-time augmentation	Neural Computing and Applications	Feb	2024	Department of Computer Science and Engineering
178	Yogesh Kumar	AI-Driven Digital Twin Model for Reliable Lithium-Ion Battery Discharge Capacity Predictions	International Journal of Intelligent Systems	Jan	2024	Department of Computer Science and Engineering
179	Rutvij Jhaveri	IoT Assisted Automatic Driver Drowsiness Detection through Facial Movement Analysis using Deep Learning and U-Net based architecture	Information	Jan	2024	Department of Computer Science and Engineering
180	Rutvij Jhaveri	Intelligent Robotics Harvesting System Process for Fruits Grasping Prediction	Scientific Reports	Feb	2024	Department of Computer Science and Engineering
181	Rutvij Jhaveri	Improved Regression Analysis with Ensemble Pipeline Approach for Applications Across Multiple Domains	ACM Transactions on Asian and Low-Resource Language Information Processing	Mar	2024	Department of Computer Science and Engineering
182	Rutvij Jhaveri	A Novel Constructive Unceasement Conditional Random Field and Dynamic Bayesian Network Model for Attack Prediction on Internet of Vehicle	IEEE Access	Feb	2024	Department of Computer Science and Engineering
183	Rutvij Jhaveri	Enhancing Household Energy Consumption Predictions through Explainable AI Frameworks	IEEE Access	Mar	2024	Department of Computer Science and Engineering
184	Rutvij Jhaveri	Security Trends in Internet-of-things for Ambient Assistive Living: A Review	Recent Advances in Computer Science and Communications	Jan	2024	Department of Computer Science and Engineering

185	Manish Paliwal	Security Trends in Internet-of-things for Ambient Assistive Living: A Review	Recent Advances in Computer Science and Communications	Jan	2024	Department of Computer Science and Engineering
186	Kaushal Arvindbhai Shah	Security Trends in Internet-of-things for Ambient Assistive Living: A Review	Recent Advances in Computer Science and Communications	Jan	2024	Department of Computer Science and Engineering
187	Yogesh Kumar	Enhancing parasitic organism detection in microscopy images through deep learning and fine-tuned optimizer	Scientific Reports, Nature	Mar	2024	Department of Computer Science and Engineering
188	Hirenkumar Thakkar	Designing an Attribute-Based Encryption Scheme with an Enhanced Anonymity Model for Privacy Protection in E-Health	SN Computer Science	Feb	2024	Department of Computer Science and Engineering
189	Nandini Modi	An analysis of perfume packaging designs on consumer's cognitive and emotional behavior using eye gaze tracking	Multimedia tools and Applications	Mar	2024	Department of Computer Science and Engineering
190	Debabrata Swain	An Efficient Crop Yield Prediction System Using Machine Learning	EAI Endorsed Transactions on Internet of Things	Mar	2024	Department of Computer Science and Engineering
191	Yogesh Kumar	Enhancing the detection of airway disease by applying deep learning and explainable artificial intelligence	Multimedia Tools and Applications, Springer	Feb	2024	Department of Computer Science and Engineering
192	Yogesh Kumar	Automated detection and recognition system for chewable food items using advanced deep learning models	Scientific Reports, Nature	Mar	2024	Department of Computer Science and Engineering
193	Pooja Shah	Liquidt: stock market analysis using liquid time-constant neural networks	International Journal of Information Technology (Singapore)	Feb	2024	Department of Computer Science and Engineering
194	Chintan Bhatt	Liquidt: stock market analysis using liquid time-constant neural networks	International Journal of Information Technology (Singapore)	Feb	2024	Department of Computer Science and Engineering
195	Pooja Shah	Hate speech detection: A comprehensive review of recent works	Expert Systems	Feb	2024	Department of Computer Science and Engineering
196	Amitava Choudhury	On-Demand MXene-Coupled Pyroelectricity for Advanced Breathing Sensors and IR Data Receivers	Langmuir	Apr	2024	Department of Computer Science and Engineering
197	Amitava Choudhury	Utilizing Machine Learning Algorithms to Predict Accuracy of the Index of Relative Tectonic Activity (IRTA), Dhansiri (North) River Basin in India and Bhutan	IEEE Access	Apr	2024	Department of Computer Science and Engineering

198	Amitava Choudhury	A voting-based ensemble classifier to predict phases and crystal structures of high entropy alloys through thermodynamic, electronic, and configurational parameters	Journal of Alloys and Metallurgical Systems	Sep	2024	Department of Computer Science and Engineering
199	Rutvij Jhaveri (Postdoc: NTU, Singapore)	GALTrust: Generative Adversarial Learning-based Framework for Trust Management in Spatial Crowdsourcing Drone Services	IEEE Transactions on Consumer Electronics	Apr	2024	Department of Computer Science and Engineering
200	Rutvij Jhaveri	GPT (Generative Pre-Trained Transformer)— A Comprehensive Review on Enabling Technologies, Potential Applications, Emerging Challenges, and Future Directions	IEEE Access	Apr	2024	Department of Computer Science and Engineering
201	Rutvij Jhaveri	Digital Twin-Driven Trust Management in Open RAN-Based Spatial Crowdsourcing Drone Services	IEEE Transactions on Green Communications and Networking	May	2024	Department of Computer Science and Engineering
202	Rutvij Jhaveri	AI-Generated Content-as-a-Service in IoMT-Based Smart Homes: Personalizing Patient Care With Human Digital Twins	IEEE Transactions on Consumer Electronics	Jun	2024	Department of Computer Science and Engineering
203	Rutvij Jhaveri	Demystifying Defects: Federated Learning and Explainable AI for Semiconductor Fault Detection	IEEE Access	Jul	2024	Department of Computer Science and Engineering
204	Rutvij Jhaveri	ASMCC+: A Secure Authentication Scheme for Mobile Cloud Computing Environment Based on Zero Trust Architecture	IEEE Transactions on Consumer Electronics	Jun	2024	Department of Computer Science and Engineering
205	Rutvij Jhaveri	AI-powered trustable and explainable fall detection system using transfer learning	Image and Vision Computing	Sep	2024	Department of Computer Science and Engineering
206	Rutvij Jhaveri	Explainable Artificial Intelligence in Internet-of-Medical Things	Recent Advances in Computer Science and Communications	May	2024	Department of Computer Science and Engineering
207	Nandini Modi	A robust, real-time camera-based eye gaze tracking system to analyze users' visual attention using deep learning	Interactive learning environment	Jun	2024	Department of Computer Science and Engineering
208	Ashutosh Tripathi	A fused grey wolf and artificial bee colony model for imbalanced data classification problems	International Journal of System Assurance Engineering and Management	Aug	2024	Department of Computer Science and Engineering

209	Yogesh Kumar	An automated multi-classification of communicable diseases using ensemble learning for disease surveillance	International Journal of System Assurance Engineering and Management	Jun	2024	Department of Computer Science and Engineering
210	Hirenkumar Thakkar	An automated multi-classification of communicable diseases using ensemble learning for disease surveillance	International Journal of System Assurance Engineering and Management	Jun	2024	Department of Computer Science and Engineering
211	Yogesh Kumar	A Comprehensive Study on Deep Learning Models for the Detection of Ovarian Cancer and Glomerular Kidney Disease using Histopathological Images	Archives of Computational Methods in Engineering, Springer	Jun	2024	Department of Computer Science and Engineering
212	Debabrata Swain	Facial Emotion Recognition with Deep Neural Network: A Study of Visual Geometry Group-16 (VGG16) Technique with Data Augmentation for Improved Precision	Pertanika Journal of Science and Technology	Aug	2024	Department of Computer Science and Engineering
213	Debabrata Swain	Forecasting Maximum Temperature Trends with SARIMAX: A Case Study from Ahmedabad, India	Sustainability (Switzerland)	Aug	2024	Department of Computer Science and Engineering
214	Debabrata Swain	Differential diagnosis of erythematous-squamous diseases using a hybrid ensemble machine learning technique	Intelligent Decision Technologies	Jun	2024	Department of Computer Science and Engineering
215	Debabrata Swain	EmoSecure: Enhancing Smart Home Security With FisherFace Emotion Recognition and Biometric Access Control	IEEE ACCESS	Jul	2024	Department of Computer Science and Engineering
216	Hargeet Kaur	Secret Information Sharing using Multipartite Entanglement in Monty Hall Game	Photonic Network Communications	May	2024	Department of Computer Science and Engineering
217	Debabrata Swain	Secret Information Sharing using Multipartite Entanglement in Monty Hall Game	Photonic Network Communications	May	2024	Department of Computer Science and Engineering
218	Kaushal Arvindbhai Shah	Secret Information Sharing using Multipartite Entanglement in Monty Hall Game	Photonic Network Communications	May	2024	Department of Computer Science and Engineering
219	Amitava Choudhury	Breaking data barriers: advancing phase prediction in high entropy alloys through a new machine learning framework	Canadian Metallurgical Quarterly	Aug	2024	Department of Computer Science and Engineering
220	Rajeev Kumar Gupta	AI-enabled dental caries detection using transfer learning and gradient-based class activation mapping	Journal of Ambient Intelligence and Humanized Computing	Jul	2024	Department of Computer Science and Engineering
221	Rajeev Kumar Gupta	Facial Emotion Recognition (FER) using Convolutional Neural Network (CNN)	Procedia Computer Science	Apr	2024	Department of Computer Science and Engineering

222	Yogesh Kumar	Comprehensive analysis of artificial intelligence techniques for gynaecological cancer: symptoms identification, prognosis and prediction	Artificial Intelligence Review	Jul	2024	Department of Computer Science and Engineering
223	Nandini Modi	Comprehensive analysis of artificial intelligence techniques for gynaecological cancer: symptoms identification, prognosis and prediction	Artificial Intelligence Review	Jul	2024	Department of Computer Science and Engineering
224	Yogesh Kumar	Advanced CNN models in gastric cancer diagnosis: enhancing endoscopic image analysis with deep transfer learning	Frontiers in Oncology	Sep	2024	Department of Computer Science and Engineering
225	Yogesh Kumar	A Comprehensive Study of Deep Learning Methods for Kidney Tumor, Cyst, and Stone Diagnostics and Detection Using CT Images	Archives of Computational Methods in Engineering, Springer	May	2024	Department of Computer Science and Engineering
226	Yogesh Kumar	Enhancing parasitic organism detection in microscopy images through deep learning and fine-tuned optimizer	Scientific Reports, Nature	Apr	2024	Department of Computer Science and Engineering
227	Yogesh Kumar	Automated detection and recognition system for chewable food items using advanced deep learning models	Scientific Reports, Nature	Apr	2024	Department of Computer Science and Engineering
228	Hirenkumar Thakkar	A survey and identification of generative adversarial network technology-based architectural variants and applications in computer vision	International Journal of System Assurance Engineering and Management	Aug	2024	Department of Computer Science and Engineering
229	Hirenkumar Thakkar	DOMINER: Domain Feature Mining from Unstructured Data for Effective Text Summarization	Procedia Computer Science	May	2024	Department of Computer Science and Engineering
230	Sidheswar Routray	Editorial AI Driven Internet of Medical Things for Smart Healthcare Applications: Challenges and Future Trends	IEEE Journal of Biomedical and Health Informatics	Jun	2024	Department of Computer Science and Engineering
231	Sidheswar Routray	Intelligent biomedical photoplethysmography signal cycle division with digital twin in metaverse for consumer health	IEEE Transactions on Consumer Electronics	Mar	2024	Department of Computer Science and Engineering
232	Sidheswar Routray	Development of real time ECG monitoring and unsupervised learning classification framework for cardiovascular diagnosis	Biomedical Signal Processing and Control	Feb	2024	Department of Computer Science and Engineering
233	Shivangi Surti	Unmasking Fake News: Navigating the Landscape of Fake News Identification, Challenges and Issues	SN Computer Science	Oct	2024	Department of Computer Science and Engineering
234	Sidheswar Routray	SMARTSeiz: deep learning with attention mechanism for accurate seizure recognition in iot healthcare devices	IEEE Journal of Biomedical and Health Informatics	Jul	2024	Department of Computer Science and Engineering

235	Kaushal Arvindbhai Shah	Security Trends in Internet-of-things for Ambient Assistive Living	Recent Advances in Computer Science and Communications	Oct	2024	Department of Computer Science and Engineering
236	Kaushal Arvindbhai Shah	An Effective Metaheuristic Based Dynamic Fine Grained Data Security Framework for Big Data	Wireless Personal Communications	Jul	2024	Department of Computer Science and Engineering
237	Yogesh Kumar	Automating cancer diagnosis using advanced deep learning techniques for multi-cancer image classification	Scientific Reports, Nature	Oct	2024	Department of Computer Science and Engineering
238	Nandini Modi	Automating cancer diagnosis using advanced deep learning techniques for multi-cancer image classification	Scientific Reports, Nature	Oct	2024	Department of Computer Science and Engineering
239	Yogesh Kumar	Advanced CNN models in gastric cancer diagnosis: enhancing endoscopic image analysis with deep transfer learning	Frontiers in Oncology	Sep	2024	Department of Computer Science and Engineering
240	Yogesh Kumar	Mental Disorders Prognosis and Predictions Using Artificial Intelligence Techniques: a Comprehensive Study	SN Computer Science, Springer	Nov	2024	Department of Computer Science and Engineering
241	Ankur Singh	Type I and Type II codes over the ring $F_2+uF_2+u^2F_2+u^3F_2$	Ars Combinatoria	Jun	2024	Department of Mathematics
242	Pritam Kocherlakota	Challenges and opportunities in the production of sustainable hydrogen from lignocellulosic biomass using microwave-assisted pyrolysis: A review	International Journal of Hydrogen Energy	Jan	2024	Department of Mathematics
243	Brayesh Kumar Jha	Automation and optimization in daylight analysis and life cycle assessment for automated daylight monitoring device for a metro rail station box in Ahmedabad, India	International Journal of Construction Management	Feb	2024	Department of Mathematics
244	Shreekanth Varshney	Finite Capacity Service System with Partial Server Breakdown and Recovery Policy: An Economic Perspective	Journal of Systems Science and Systems Engineering	Aug	2024	Department of Mathematics
245	Vishakha Jadaun	A Phenomenon of Nonlinear Wave Interaction: An Application of a Nonlinear Evolution Equation in (3+1) - Dimensions	Communications in Nonlinear Science and Numerical Simulation	Mar	2024	Department of Mathematics
246	Poonam Mishra	Age Specific Optimal Allocation of COVID-19 vaccine supply in India	Journal of Applied Nonlinear Dynamics	Jan	2024	Department of Mathematics
247	Manoj Sahni	Solution of logistic differential equation in an uncertain environment using neutrosophic numbers	Journal of Interdisciplinary Mathematics	Mar	2024	Department of Mathematics
248	Brayesh Kumar Jha	Analyzing fuzzy boundary value problems: a study on the influence of mitochondria and ER fluxes on calcium ions in neuron cells	Journal of Bioenergetics and Biomembranes	Jan	2024	Department of Mathematics
249	Ankush Raje	Understanding the role of CFD in microwave-assisted pyrolysis for biomass conversion	Journal of Analytical and Applied Pyrolysis	Mar	2024	Department of Mathematics

250	Ankush Raje	Numerical Study on the Unsteady MHD Flow of Immiscible Non-Newtonian and Newtonian Fluids Through a Vertical Porous Pipe	Tuijin Jishu/Journal of Propulsion Technology	Aug	2024	Department of Mathematics
251	Ankur Singh	Construction of lattices over the real sub-field of Q (C 8) for block fading (wiretap) coding	Discrete Mathematics, Algorithms and Applications	Jul	2024	Department of Mathematics
252	Punit Jain	Influence of the Suspended Sediment Concentration on the Calculation of the Vertical Distribution of Streamwise Velocity	Journal of Hydrologic Engineering	Jul	2024	Department of Mathematics
253	Isha Talati	Enhancing business by procuring and dispensing items among supply chain members using multi-objective approach	International Journal of Modelling and Simulation	Apr	2024	Department of Mathematics
254	Poonam Mishra	Enhancing business by procuring and dispensing items among supply chain members using multi-objective approach	International Journal of Modelling and Simulation	Apr	2024	Department of Mathematics
255	Ankush Raje	Patterns in the Chaos: The Moving Hurst Indicator and Its Role in Indian Market Volatility	Journal of Risk and Financial Management	Sep	2024	Department of Mathematics
256	Vishakha Jadaun	Study of Solitons using Efficient Technique Involving Lie Group Theory	International Journal of Applied and Computational Mathematics	Mar	2024	Department of Mathematics
257	Vishakha Jadaun	Nonlinear Waves in (3+ 1)-Dimensions: Multi-Soliton Solutions of a Partial Differential Equation	International Journal of Geometric Methods in Modern Physics	Sep	2024	Department of Mathematics
258	Shreekant Varshney	Solar concentration based indoor daylighting system to achieve net zero sustainable buildings	Energy and Buildings	Oct	2024	Department of Mathematics
259	Shreekant Varshney	Stochastic modeling of multiple-server charging stations for electric vehicle networks using feedback strategies: A queueing-theoretic approach	International Journal of Thermofluids	Nov	2024	Department of Mathematics
260	Kaibalya Panda	An Ultra-High Gain Compact Module Bidirectional DC-DC Converter for Energy Storage System	IEEE Access	Nov	2023	Electrical
261	Nilesh Chothani	AI-based fault recognition and classification in the IEEE 9-bus system interconnected to PV systems	Smart Science	Nov	2023	Electrical
262	Vipin Shukla	Estimation of vehicle control delay using artificial intelligence techniques for heterogeneous traffic conditions	Expert Systems With Applications	Jan	2024	Electrical

263	Siddharth Joshi	Empowering Hybrid Renewable Energy Systems with BESS for Self-Consumption and Self-Sufficiency	Journal of Energy Storage	Mar	2024	Electrical
264	Anilkumar Markana	A New Propulsion System GUI based Control Amenable Model Development for High-Power Rockets	Advanced Control for Applications: Engineering and Industrial Systems	Mar	2024	Electrical
265	Vipin Shukla	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions	Engineering Applications of Artificial Intelligence	Feb	2024	Electrical
266	Amit Sant	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions	Engineering Applications of Artificial Intelligence	Feb	2024	Electrical
267	T Venkata Kumar	Data Mining and SVM Based Fault Diagnostic Analysis in Modern Power System Using Time and Frequency Series Parameters Calculated From Full-Cycle Moving Window	Journal of Operation and Automation in Power Engineering	Aug	2024	Electrical
268	Vivek Pandya	Data Mining and SVM Based Fault Diagnostic Analysis in Modern Power System Using Time and Frequency Series Parameters Calculated From Full-Cycle Moving Window	Journal of Operation and Automation in Power Engineering	Aug	2024	Electrical
269	Amit Sant	Data Mining and SVM Based Fault Diagnostic Analysis in Modern Power System Using Time and Frequency Series Parameters Calculated From Full-Cycle Moving Window	Journal of Operation and Automation in Power Engineering	Aug	2024	Electrical
270	Vipin Shukla	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions	Engineering Applications of Artificial Intelligence	Jan	2024	Electrical
271	Amit Sant	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions	Engineering Applications of Artificial Intelligence	Jan	2024	Electrical
272	Amit Sant	Optimized ANN for LiFePO4 Battery Charge Estimation using Principal Components based Feature Generation	Green Energy and Intelligent Transportation	Jan	2024	Electrical
273	Alok Jain	Operating Modes of Grid Integrated PV-Solar Based Electric Vehicle Charging System-A Comprehensive Review	e-Prime - Advances in Electrical Engineering, Electronics and Energy	Mar	2024	Electrical

274	Kaibalya Panda	Three-Phase Switched-Capacitor Boost Self-Balanced Multilevel Inverter for Photovoltaic Applications	IEEE Transactions on Energy Conversion	Feb	2024	Electrical
275	Vipin Shukla	Intelligent Non-Looped Maze Solving Robot: IR Sensor-Driven Autonomous Navigation	IEEE	Mar	2024	Electrical
276	Vipin Shukla	Classification of Triplen Harmonic caused due to Single-phase non-linear loads	IEEE	Mar	2024	Electrical
277	Vipin Shukla	Data-Driven Fault Detection in Power Systems: Clustering Analysis for Lightning and Switching Overvoltage	IEEE	Mar	2024	Electrical
278	Nilesh Chothani	MFCDF and impedance characteristic-based adaptive technique for fault and power swing discrimination	Smart Science	Jan	2024	Electrical
279	Amit Sant	Smart meter for the estimation of power quality indices based on second-order generalized integrator	Environmental Science and Pollution Research	Jan	2024	Electrical
280	Vipin Shukla	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions. Engineering Applications of Artificial Intelligence	Engineering Applications of Artificial Intelligence	Jan	2024	Electrical
281	Amit Sant	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions. Engineering Applications of Artificial Intelligence	Engineering Applications of Artificial Intelligence	Jan	2024	Electrical
282	Amit Sant	A new fundamental active current extraction scheme for multifunctional control of V2G interface	Journal of Energy Storage	Mar	2024	Electrical
283	Praghnesh Bhatt	Electric vehicle participation for optimized load frequency control in a multi-area restructured power system	International Journal of Modelling and Simulation	Mar	2024	Electrical
284	Praghnesh Bhatt	Active Power Loss Minimization and Voltage Stability Improvement with Optimal Capacitor Placement in RDN	Indian Journal of Natural Sciences	Feb	2024	Electrical
285	Alok Jain	An extensive analysis of power converter architectures for grid-connected solar photovoltaic driven electric vehicles (EVs)	Engineering Science and Technology, an International Journal	Oct	2024	Electrical

286	Alok Jain	Grid-Tied Solar Integrated Electric Vehicle Charging System with Advanced LMS Control	Journal of Electrical Engineering & Technology	Oct	2024	Electrical
287	Parth Thakar	A New Propulsion System GUI based Control Amenable Model Development for High-Power Rockets	Advanced Control for Applications: Engineering and Industrial Systems	Mar	2024	Electronics and Communication Engineering
288	Abhishek Ray	TID response of hybrid FinFET with modified gate dielectric	Micro and Nanostructures	Mar	2024	Electronics and Communication Engineering
289	Abhishek Ray	Improved post-radiation behavior of FinFET based CMOS with workfunction modulated gate	Physica Scripta	Mar	2024	Electronics and Communication Engineering
290	Ankur Changela	Radix-4 CORDIC algorithm based low-latency and hardware efficient VLSI architecture for Nth root and Nth power computations	Scientific Reports, Nature	Nov	2023	Information and Communication Technology
291	Paawan Sharma	Designing Practical End-to-End System for Soft Biometric-Based Person Retrieval From Surveillance Videos	IEEE Access	Nov	2023	Information and Communication Technology
292	Paawan Sharma	Breast Lesion Classification from Mammograms using Deep Neural Network and Test Time Augmentation	Neural Computing and Applications	Feb	2024	Information and Communication Technology
293	Paawan Sharma	Digital mammography dataset for breast cancer diagnosis research (DMID) with breast mass segmentation analysis	Biomedical Engineering Letters	Mar	2024	Information and Communication Technology
294	Ritesh Vyas	Anisotropic Differential concavity codes for Palmprint Representation	Multimedia Tools and Applications	Mar	2024	Information and Communication Technology
295	Paawan Sharma	Breast lesion classification from mammograms using deep neural network and test-time augmentation	Neural Computing and Applications	Feb	2024	Information and Communication Technology
296	Mohendra Roy	A triplanar ensemble model for brain tumor segmentation with volumetric multiparametric magnetic resonance images	Healthcare Analytics	Feb	2024	Information and Communication Technology
297	Santosh Satapathy	Multi-Scale Based Approach for Denoising Real-World Noisy Image Using Curvelet Thresholding: Scope and Beyond	IEEE Access	Mar	2024	Information and Communication Technology
298	Paawan Sharma	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions	Engineering Applications of Artificial Intelligence	Feb	2024	Information and Communication Technology

299	Paawan Sharma	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions	Engineering Applications of Artificial Intelligence	Jan	2024	Information and Communication Technology
300	Paawan Sharma	Optimized ANN for LiFePO4 Battery Charge Estimation using Principal Components based Feature Generation	Green Energy and Intelligent Transportation	Jan	2024	Information and Communication Technology
301	Nitin Singh Rajput	Amalgamating Vehicular Networks With Vehicular Clouds, AI, and Big Data for Next-Generation ITS Services	IEEE Transaction on Intelligent Transportation Systems	Jan	2024	Information and Communication Technology
302	Paawan Sharma	An explainable artificial intelligence based approach for the prediction of key performance indicators for 1 megawatt solar plant under local steppe climate conditions. Engineering Applications of Artificial Intelligence	Engineering Applications of Artificial Intelligence	Jan	2024	Information and Communication Technology
303	Paawan Sharma	Spatiotemporal variations, sources, pollution status and health risk assessment of dissolved trace elements in a major Arabian Sea draining river: insights from multivariate statistical and machine learning approaches	Environmental Geochemistry and Health	Apr	2024	Information and Communication Technology
304	Pradip Barik	DOCA: a UAV-assisted multi-hop D2D resource allocation scheme for 5G and beyond using machine learning	Telecommunication Systems	Jul	2024	Information and Communication Technology
305	Soumyashree Soumyaprakash Panda	Deep-learning enabled photonic nanostructure discovery in arbitrarily large shape sets via linked latent space representation learning	Digital Discovery	Jul	2024	Information and Communication Technology
306	Anand Singh	Performance Analysis of OIRS-Aided Indoor VLC Systems Under Dynamic Human Blockages and Random UE Orientation	IEEE Internet of Things Journal	Oct	2024	Information and Communication Technology
307	Jigarkumar Shah	Patterns in the Chaos: The Moving Hurst Indicator and Its Role in Indian Market Volatility	Journal of Risk and Financial Management	Sep	2024	Information and Communication Technology
308	Anand Singh	Characterization of Dynamic Blockages for VLC-enabled Indoor Industrial Networks	IEEE Systems Journal	Sep	2024	Information and Communication Technology
309	Anand Singh	Energy Efficient OIRS-aided VLC Systems Employing ML-based User Orientation and Obstacle Awareness	IEEE Sensors Journal	Oct	2024	Information and Communication Technology

310	Bablu Kumar Singh	Enhancing IoT connectivity through spectrum sharing in 5G networks	International Journal of System Assurance Engineering and Management	Sep	2024	Information and Communication Technology
311	Anand Singh	On the Optimal Evaluation of the Irradiance Angle and the Orientation in OIRS-Aided Vehicle Communication Systems	IEEE Transactions on Vehicular Technology	Oct	2024	Information and Communication Technology
312	Ankur Changela	Mental Disorders Prognosis and Predictions Using Artificial Intelligence Techniques: a Comprehensive Study	SN Computer Science, Springer	Nov	2024	Information and Communication Technology
313	Harmik Vaishnav	ACTING AS A WAY OF LIFE IN MAHESH DATTANI'S BRAVELY FOUGHT THE QUEEN	Annals of the Bhandarkar Oriental Research Institute	Jan	2024	Literature
314	Pradeep Mallik	Education 4.0: A Conceptual Framework for the Use and Integration of Immersive Technologies in Higher Education	University News: A Weekly Journal of Higher Education, Association of Indian Universities	Jan	2024	Mass Communication
315	Jaykumar Vora	Comprehensive Investigation of Hastelloy C-22 Powder Weld Overlay on SA 240 Type 316L Using Laser Beam Welding for Enhanced Performance	Journal of Manufacturing and Materials Processing	Nov	2023	Mechanical
316	Rakesh Chaudhari	Comprehensive Investigation of Hastelloy C-22 Powder Weld Overlay on SA 240 Type 316L Using Laser Beam Welding for Enhanced Performance	Journal of Manufacturing and Materials Processing	Nov	2023	Mechanical
317	Garlapati Nagababu	GIS-MCDM based framework to evaluate site suitability and CO2 mitigation potential of earth-air-heat exchanger: A case study	Renewable Energy	Nov	2023	Mechanical
318	Surendra Singh Kachhwaha	Energy, exergy, economic, environmental, advanced exergy and exergoeconomic (extended exergy) analysis of hybrid wind-solar power plant	Energy & Environment	Nov	2023	Mechanical
319	Garlapati Nagababu	Energy, exergy, economic, environmental, advanced exergy and exergoeconomic (extended exergy) analysis of hybrid wind-solar power plant	Energy & Environment	Nov	2023	Mechanical
320	Anirudh Kulkarni	Advances in Computational Fluid Dynamics Modeling for Biomass Pyrolysis: A Review	Energies	Nov	2023	Mechanical
321	Anirudh Kulkarni	Significance of a permeable semi-circular body and magnetic field on the double-diffusive traits	International Journal of Thermofluids	Nov	2023	Mechanical
322	Parth Prajapati	Phase change materials for Energy Conversion and Storage	International Journal of Thermofluids	Nov	2023	Mechanical
323	Ankur Chaurasia	Covalently bonded interface in polymer/boron nitride nanosheet composite toward enhanced mechanical and thermal behaviour	Physical Chemistry Chemical Physics	Nov	2023	Mechanical

324	Jaykumar Vora	Exploring the potential of metal-cored filler wire in gas metal arc welding for ASME SA387-Gr.11-C1.2 steel joints	JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY	Jan	2024	Mechanical
325	Surendra Singh Kachhwaha	Analysis of a novel high-speed homogenizer technique for methyl ester production using waste cooking oil: Multi-objective optimization and energy analysis	Chemical Engineering Research and Design	Jan	2024	Mechanical
326	Hiren Dave	Effect of pilot fuel quantity and fuel injection pressure on combustion, performance and emission characteristics of an automotive diesel engine	International Journal of Thermofluids	Jan	2024	Mechanical
327	Vinay Vakharia	AI-Driven Digital Twin Model for Reliable Lithium-Ion Battery Discharge Capacity Predictions	International Journal of Intelligent Systems	Jan	2024	Mechanical
328	Vivek Jaiswal	Evaporation of bacteria-laden surrogate respiratory fluid droplets: On a hydrophilic substrate versus contact-free environment confers differential bacterial infectivity (accepted in March 2024)	Physics of Fluids	Mar	2024	Mechanical
329	Garlapati Nagababu	Technical and economic analysis of floating solar photovoltaic systems in coastal regions of India: a case study of Gujarat and Tamil Nadu	Journal of thermal analysis and calorimetry	Mar	2024	Mechanical
330	Vishvesh Badheka	review on friction stir welding (FSW) process for dissimilar aluminium to steel metal systems	WELDING INTERNATIONAL	Jan	2024	Mechanical
331	Pavan Gurrala	Novel Synthesis of radioluminescent CsI:Ti microcrystals under ambient conditions by antisolvent recrystallization method	Optical Materials	Feb	2024	Mechanical
332	Pavan Gurrala	Synthesis of Cerium-doped Gadolinium Gallium Aluminum Garnet (GGAG:Ce) Scintillating Powder via Solvothermal Method	Physica Scripta	Mar	2024	Mechanical
333	Vinay Vakharia	Optimizing Supply Chain Management Through BO-CNN-LSTM for Demand Forecasting and Inventory Management	Journal of Organizational and End User Computing	Jan	2024	Mechanical
334	Nirav Patel	Channel formation characteristics under the influence of tool design and comparative analysis on friction stir channeling between copper and aluminum materials	CIRP Journal of Manufacturing Science and Technology	Jan	2024	Mechanical
335	Anurag Mudgal	Advanced Exergy Analysis of Cascade Rankine Cycle-Driven Reverse Osmosis System	Energy Technology	Mar	2024	Mechanical

336	Vivek Patel	Advanced Exergy Analysis of Cascade Rankine Cycle-Driven Reverse Osmosis System	Energy Technology	Mar	2024	Mechanical
337	Jatinkumar Patel	Advanced Exergy Analysis of Cascade Rankine Cycle-Driven Reverse Osmosis System	Energy Technology	Mar	2024	Mechanical
338	Anurag Mudgal	Energy, exergy and economic (3E) analysis of solar thermal energy assisted cascade Rankine cycle for reverse osmosis	Energy	Feb	2024	Mechanical
339	Vivek Patel	Energy, exergy and economic (3E) analysis of solar thermal energy assisted cascade Rankine cycle for reverse osmosis	Energy	Feb	2024	Mechanical
340	Jatinkumar Patel	Energy, exergy and economic (3E) analysis of solar thermal energy assisted cascade Rankine cycle for reverse osmosis	Energy	Feb	2024	Mechanical
341	Ramesh Guduru	Sustainable synthesis of automobile fuel additive from glycerol and acetone and catalyst reusability studies	Chemical Papers	Jan	2024	Mechanical
342	Parth Prajapati	Thermodynamic evaluation of shell and tube heat exchanger through advanced exergy analysis	Energy	Jan	2024	Mechanical
343	Vivek Patel	Thermodynamic evaluation of shell and tube heat exchanger through advanced exergy analysis	Energy	Jan	2024	Mechanical
344	Garlapati Nagababu	Floating solar panels: a sustainable solution to meet energy demands and combat climate change in offshore regions	Journal of Thermal Analysis and Calorimetry	Mar	2024	Mechanical
345	Bhasuru Abhinaya Srinivas	Floating solar panels: a sustainable solution to meet energy demands and combat climate change in offshore regions	Journal of Thermal Analysis and Calorimetry	Mar	2024	Mechanical
346	Anurag Mudgal	Exergy analysis for enhanced performance of integrated batch reverse osmosis – forward osmosis system for brackish water treatment	Desalination	Jul	2024	Mechanical
347	Vivek Patel	Exergy analysis for enhanced performance of integrated batch reverse osmosis – forward osmosis system for brackish water treatment	Desalination	Jul	2024	Mechanical
348	Jatinkumar Patel	Exergy analysis for enhanced performance of integrated batch reverse osmosis – forward osmosis system for brackish water treatment	Desalination	Jul	2024	Mechanical
349	Vinay Vakharia	Deep Learning-Based Stock Market Prediction and Investment Model for Financial Management	Journal of Organizational and End User Computing	Mar	2024	Mechanical

350	Anurag Mudgal	Exergy analysis for enhanced performance of integrated batch reverse osmosis–Forward osmosis system for brackish water treatment	Desalination	Mar	2024	Mechanical
351	Jatinkumar Patel	Exergy analysis for enhanced performance of integrated batch reverse osmosis–Forward osmosis system for brackish water treatment	Desalination	Mar	2024	Mechanical
352	Vivek Patel	Exergy analysis for enhanced performance of integrated batch reverse osmosis–Forward osmosis system for brackish water treatment	Desalination	Mar	2024	Mechanical
353	Anurag Mudgal	Novelwater treatment options for sustainable solutions to clean water scarcity	AQUA	Mar	2024	Mechanical
354	Surendra Singh Kachhwaha	A review on sustainable and scalable biodiesel production using ultra-sonication technology	Renewable Energy	Mar	2024	Mechanical
355	Rajesh Patel	Thermal analysis of high specific energy NCM-21700 Li-ion battery cell under hybrid battery thermal management system for EV applications	Journal of Energy Storage	Apr	2024	Mechanical
356	Rajat Saxena	Thermal analysis of high specific energy NCM-21700 Li-ion battery cell under hybrid battery thermal management system for EV applications	Journal of Energy Storage	Apr	2024	Mechanical
357	Kishan Fuse	Machine learning classification approach for predicting tensile strength in aluminium alloy during friction stir welding	International Journal on Interactive Design and Manufacturing (IJIDeM)	Jul	2024	Mechanical
358	Kishan Fuse	Investigation on submerged friction stir welding of AZ31B magnesium alloy under the influence of rotation speed	Journal of Advanced Joining Processes	Jun	2024	Mechanical
359	Vishvesh Badheka	Investigation on submerged friction stir welding of AZ31B magnesium alloy under the influence of rotation speed	Journal of Advanced Joining Processes	Jun	2024	Mechanical
360	Kishan Fuse	Abrasive waterjet machining of titanium alloy using an integrated approach of taguchi-based passing vehicle search algorithm	International Journal on Interactive Design and Manufacturing (IJIDeM)	Apr	2024	Mechanical
361	Parth Prajapati	Asymmetric effect of environment tax and spending on CO ₂ emissions of European Union	Environmental Science and Pollution Research (Indexed: SCOPUS-Q1)	Apr	2024	Mechanical
362	Ravi Kant	Control of linear instabilities in two-dimensional airfoil boundary layers	Fluid Dynamics Research	Mar	2024	Mechanical

363	Rakesh Chaudhari	Experimental investigations of using MWCNTs and nano-graphene particles for the enhancement of machining performance using powder-mixed EDM of Udimet-720	The International Journal of Advanced Manufacturing Technology	Jun	2024	Mechanical
364	Jaykumar Vora	Experimental investigations of using MWCNTs and nano-graphene particles for the enhancement of machining performance using powder-mixed EDM of Udimet-720	The International Journal of Advanced Manufacturing Technology	Jun	2024	Mechanical
365	Vivek Patel	Experimental investigations of using MWCNTs and nano-graphene particles for the enhancement of machining performance using powder-mixed EDM of Udimet-720	The International Journal of Advanced Manufacturing Technology	Jun	2024	Mechanical
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369	Rakesh Chaudhari	Abrasive waterjet machining of titanium alloy using an integrated approach of taguchi-based passing vehicle search algorithm	International Journal on Interactive Design and Manufacturing (IJIDeM)	Apr	2024	Mechanical
370	Rakesh Chaudhari	Experimental analysis and optimization of machining parameters for Nitinol alloy: A Taguchi and multi-attribute decision-making approach	High Temperature Materials and Processes	Apr	2024	Mechanical
371	Rakesh Chaudhari	Experimental investigations on the fabrication of low alloy steels using wire arc additive method	The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM)	Jul	2024	Mechanical
372	Jaykumar Vora	Experimental investigations on the fabrication of low alloy steels using wire arc additive method	The Eurasia Proceedings of Science, Technology, Engineering & Mathematics (EPSTEM)	Jul	2024	Mechanical
373	Surendra Singh Kachhwaha	A review on sustainable and scalable biodiesel production using ultra-sonication technology	Renewable Energy	May	2024	Mechanical

374	Pravesh Kumar	Nonlinear Energy Harvesting From a Base Excited Size-Dependent Flexoelectric Nanostructure with Off-Center Rigid Tip Mass Subjected to Axial Pulsating Excitation	International Journal of Structural Stability and Dynamics	May	2024	Mechanical
375	Pravesh Kumar	Nonlinear modelling and dynamics of spatial multi-link rigid-flexible manipulator with moving platform	International Journal of Intelligent Robotics and Applications	Jun	2024	Mechanical
376	Pavan Gurrala	Finite element studies on Triply Periodic Minimal Surfaces (TPMS)-based hip replacement implants	The International Journal of Advanced Manufacturing Technology	Jun	2024	Mechanical
377	Nanji Hadia	An Exceptionally Salt Tolerant Copoly(Maleimide Sulfobetaine) – Structural Requirements for Ultra-Salt Tolerance	Macromolecular Rapid Communications	Oct	2024	Mechanical
378	Bhasuru Abhinaya Srinivas	Stochastic modeling of multiple-server charging stations for electric vehicle networks using feedback strategies: A queueing-theoretic approach	International Journal of Thermofluids	Nov	2024	Mechanical
379	Hiren Dave	Combination of high cetane diesel fuel and post injection mode in a diesel engine: A path towards lower exhaust emissions	Case Studies in Thermal Engineering	Sep	2024	Mechanical
380	Sivakumar P	Cement-casing shear bond strength: a review of the affecting variables and various enhancement techniques	Petroleum Science and Technology	Nov	2023	Petroleum Engineering
381	Gaurav Hazarika	Cement-casing shear bond strength: a review of the affecting variables and various enhancement techniques	Petroleum Science and Technology	Nov	2023	Petroleum Engineering
382	Rakesh Kumar Vij	Cement-casing shear bond strength: a review of the affecting variables and various enhancement techniques	Petroleum Science and Technology	Nov	2023	Petroleum Engineering
383	Anirbid Sircar	Geothermal solar Integrated Multistage Flash Distillation Cogeneration system: A cleaner and sustainable solution	Desalination	Nov	2023	Petroleum Engineering
384	Anirbid Sircar	A Proposed HAZOP Based Upgradation Model for Improvement in Existing Industrial 2 Practices: A Geothermal Energy Industry Case Study	International Journal of Energy sector Management.	Nov	2023	Petroleum Engineering
385	Namrata Bist	A Proposed HAZOP Based Upgradation Model for Improvement in Existing Industrial 2 Practices: A Geothermal Energy Industry Case Study	International Journal of Energy sector Management.	Nov	2023	Petroleum Engineering

386	Lakshama Rao Jeeru	Alkali Treatment Influence on Characterization of Chicken Feather Fiber Reinforced Polymer Composites	Nano World Journal	Nov	2023	Petroleum Engineering
387	Rakesh Kumar Vij	Understanding the Complexity of Thin Laminated Sequences through Reservoir Characterization to Identify the True Potential in Krishna Godavari Offshore Area: A Case Study	Petroleum Science and Technology	Mar	2024	Petroleum Engineering
388	Sivakumar P	Understanding the Complexity of Thin Laminated Sequences through Reservoir Characterization to Identify the True Potential in Krishna Godavari Offshore Area: A Case Study	Petroleum Science and Technology	Mar	2024	Petroleum Engineering
389	Amit Verma	Carbon capture and sequestration technology for environmental remediation: A CO ₂ utilization approach through EOR	Geoenergy Science and Engineering	Mar	2024	Petroleum Engineering
390	Sivaraman Dhanasekaran	Revealing Anti-Fungal Potential of Plant-Derived Bioactive Therapeutics in Targeting Secreted Aspartyl Proteinase (SAP) of <i>Candida albicans</i> : A Molecular Dynamics Approach	Journal of Biomolecular Structure and Dynamics	Jan	2024	Petroleum Engineering
391	Pradeep PS	Revealing Anti-Fungal Potential of Plant-Derived Bioactive Therapeutics in Targeting Secreted Aspartyl Proteinase (SAP) of <i>Candida albicans</i> : A Molecular Dynamics Approach	Journal of Biomolecular Structure and Dynamics	Jan	2024	Petroleum Engineering
392	Sivaraman Dhanasekaran	Current updates on metabolites and its interlinked pathways as biomarkers for diabetic kidney disease: a systematic review.	Translational Research	Mar	2024	Petroleum Engineering
393	Sivaraman Dhanasekaran	Gut Microbiome and Polycystic Ovary Syndrome: Interplay of Associated Microbial-Metabolite Pathways and Therapeutic Strategies	Reproductive Sciences	Jan	2024	Petroleum Engineering
394	Sivakumar P	Optimization Study of <i>Calophyllum inophyllum</i> Methyl Ester using Statistical Analysis	Theoretical Foundations of Chemical Engineering	Jan	2024	Petroleum Engineering
395	Sivaraman Dhanasekaran	Anti-diabetic drug discovery using the bioactive compounds of <i>Momordica charantia</i> by molecular docking and molecular dynamics analysis	Journal of Biomolecular Structure and Dynamics	Feb	2024	Petroleum Engineering
396	Rakesh Kumar Vij	Analysis of a novel high-speed homogenizer technique for methyl ester production using waste cooking oil: Multi-objective optimization and energy analysis	Chemical Engineering Research and Design	Jan	2024	Petroleum Engineering

397	Bhawanisingh Desai	Trace fossils of hypersaline environment and its implication in identifying tidal inundation boundary in Great Rann of Kachchh, Western India	Ichnos-An International Journal for Plant and Animal Traces	Feb	2024	Petroleum Engineering
398	Madhavan	Channel planform dynamics using earth observations across Rel river, western India: A synergetic approach	Spatial Information Research	Mar	2024	Petroleum Engineering
399	Achinta Bera	Effect of COVID-19 crisis on crude oil price and the world economy – a state-of-art review	Int. J. Oil, Gas and Coal Technology	Feb	2024	Petroleum Engineering
400	Anirbid Sircar	Qualitative Analysis of Physio-Chemical Parameters of Soil to Underline the Effects of Pipeline Laying on Soil Fertility	Lecture Notes in Civil Engineering	Mar	2024	Petroleum Engineering
401	Namrata Bist	Qualitative Analysis of Physio-Chemical Parameters of Soil to Underline the Effects of Pipeline Laying on Soil Fertility	Lecture Notes in Civil Engineering	Mar	2024	Petroleum Engineering
402	Sivakumar P	Investigating the Impact of Microwave and Conventional Heating Sources on the Co-pyrolysis of Plastics with Non-Biomass Materials	Journal of Analytical and Applied Pyrolysis	Jan	2024	Petroleum Engineering
403	Rohit Srivastava (PE)	Editorial: SI: 1st International Conference on Green Hydrogen for Global Decarbonization (ICGHGD-2023)	International Journal of Hydrogen Energy	Feb	2024	Petroleum Engineering
404	Lakshama Rao Jeeru	Sustainable synthesis of automobile fuel additive from glycerol and acetone and catalyst reusability studies	Chemical Papers	Jan	2024	Petroleum Engineering
405	Paul Naveen	Sustainable synthesis of automobile fuel additive from glycerol and acetone and catalyst reusability studies	Chemical Papers	Jan	2024	Petroleum Engineering
406	Paul Naveen	Influence of competitive adsorption, diffusion, and dispersion of CH4 and CO2 gases during the CO2-ECBM process	Fuel	Feb	2024	Petroleum Engineering
407	Hari S	Optimization of gas lift system for well performance improvement in Asmari formation: A techno-economic perspective	Petroleum Research	Mar	2024	Petroleum Engineering
408	Shanker Krishna	Optimization of gas lift system for well performance improvement in Asmari formation: A techno-economic perspective	Petroleum Research	Mar	2024	Petroleum Engineering
409	Shanker Krishna	Numerical simulations of proppant transportation in cryogenic fluids: Implications on liquid helium and liquid nitrogen fracturing for subsurface hydrogen storage	International Journal of Hydrogen Energy	Feb	2024	Petroleum Engineering

410	Hari S	Numerical simulations of proppant transportation in cryogenic fluids: Implications on liquid helium and liquid nitrogen fracturing for subsurface hydrogen storage	International Journal of Hydrogen Energy	Feb	2024	Petroleum Engineering
411	Maheshbabu Jallu	Performance of Alkali-Activated Fly Ash Stabilized High Percentage RAP Aggregates as a Pavement Base Course: Laboratory and Field Perspectives	International Journal of Geosynthetics and Ground Engineering	Mar	2024	Petroleum Engineering
412	Balasubramanian Ragunathan	Characteristic Analysis of Oil Field-Produced Water	Lecture Notes in Civil Engineering	Oct	2024	Petroleum Engineering
413	Balasubramanian Ragunathan	Membrane Desalination of Waste Water for the Contaminant Removal and Reduction of Fouling	Lecture Notes in Civil Engineering	Oct	2024	Petroleum Engineering
414	Shanker Krishna	Performance evaluation of methane hydrate inhibitor (NaCl) integrated polymer gels for extremely low temperature hydraulic fracturing applications	Gas Science and Engineering	May	2024	Petroleum Engineering
415	Hari S	Performance evaluation of methane hydrate inhibitor (NaCl) integrated polymer gels for extremely low temperature hydraulic fracturing applications	Gas Science and Engineering	May	2024	Petroleum Engineering
416	Uttam Kumar Bhui	Role of structure and organic contaminants on Cs Sorption by clays	Progress in Nuclear Energy	Jun	2024	Petroleum Engineering
417	Anirbid Sircar	A comprehensive review of geothermal energy storage: Methods and applications	Journal of Energy Storage	Sep	2024	Petroleum Engineering
418	Anirbid Sircar	Design and Development of Hybrid Solar-Biomass Drying System: An Innovative Approach	MRS Energy & Sustainability	Apr	2024	Petroleum Engineering
419	Anirbid Sircar	Sequestration of a food dye (sunset yellow) from wastewater using natural adsorbent: a kinetic, isotherm and interference study.	International Journal of Phytoremediation	May	2024	Petroleum Engineering
420	Anirbid Sircar	Shallow and Deep Geothermal water sources in Unai Geothermal Field , Gujarat, India, with Application of Magnetotelluric (MT)	Unconventional Resources	Apr	2024	Petroleum Engineering
421	Anirbid Sircar	Geothermal resource estimation of Uttarakhand region, India	Unconventional Resources	May	2024	Petroleum Engineering
422	Namrata Bist	Geothermal resource estimation of Uttarakhand region, India	Unconventional Resources	May	2024	Petroleum Engineering
423	Anirbid Sircar	Prospects of geothermal field development in Gandhar, Gujarat, India	Unconventional Resources	May	2024	Petroleum Engineering
424	Namrata Bist	Prospects of geothermal field development in Gandhar, Gujarat, India	Unconventional Resources	May	2024	Petroleum Engineering

425	Shanker Krishna	Thermodynamic, Rheological, and Electrical Properties of Hydrate Inhibitors: Implications for Natural Gas Production and Flow Assurance	Energy & Fuels	Aug	2024	Petroleum Engineering
426	Shanker Krishna	Performance evaluation of fracturing fluids in the presence of NaCl, CaCl2 and KCl as hydrate inhibitors for extremely low temperature stimulation applications	International Journal of Hydrogen Energy	Sep	2024	Petroleum Engineering
427	Hitendra Patel	Performance evaluation of fracturing fluids in the presence of NaCl, CaCl2 and KCl as hydrate inhibitors for extremely low temperature stimulation applications	International Journal of Hydrogen Energy	Sep	2024	Petroleum Engineering
428	Hari S	Performance evaluation of fracturing fluids in the presence of NaCl, CaCl2 and KCl as hydrate inhibitors for extremely low temperature stimulation applications	International Journal of Hydrogen Energy	Sep	2024	Petroleum Engineering
429	Hari S	Automatic sucker rod pump fault diagnostics by transfer learning using googlenet integrated machine learning classifiers	Process Safety and Environmental Protection	Nov	2024	Petroleum Engineering
430	Shanker Krishna	Automatic sucker rod pump fault diagnostics by transfer learning using googlenet integrated machine learning classifiers	Process Safety and Environmental Protection	Nov	2024	Petroleum Engineering
431	KAUSHAL KISHORE	Social media influencers and consumer engagement: A review and future research agenda	International Journal of Consumer Studies (Scopus, Web of Science Indexed & ABDC Category-A, Q1 Journal) http://doi.org/10.1111/ijcs.12901	Nov	2023	Petroleum Management
432	Vipul V Patel	Understanding the impact of fashion app emotional attachment on consumer responses: the role of e-servicesscape, customer experience and perceived value of online shopping	Journal of Fashion Marketing and Management: An International Journal	Nov	2023	Petroleum Management
433	Ashutosh Muduli	High-performance human resource practices in Indian banks: an examination from the institutional perspective	Journal of Financial Services Marketing, SCOPUS, B Category	Mar	2024	Petroleum Management
434	Pramod Damodar Paliwal	Mapping determinants of stakeholder perceptions about higher education institutions: an Indian context.	International Journal of Indian Culture and Business Management	Feb	2024	Petroleum Management

435	KAUSHAL KISHORE	A review of SME clusters and the need for cluster branding in India	International Journal of Entrepreneurship and Small Business (A Scopus Indexed Journal)	Jan	2024	Petroleum Management
436	Ashutosh Muduli	Exploring the role of workforce agility on digital transformation: a systematic literature review	Benchmarking: An International Journal: SCOPUS, B category	Jan	2024	Petroleum Management
437	Tanushri Banerjee	Value Creed: Emerging Technology and Digitalization Initiatives Create Post Pandemic Joyous Workplace	Emerging Economies Cases Journal	Jun	2024	Petroleum Management
438	Lalit Khurana	Balancing Urban Power Distribution Dynamics: A Case Study on Flexible Strategies through Integration of Demand Side Management and Renewable Energy	International Journal of Business and Management Studies	Apr	2024	Petroleum Management
439	Ashutosh Muduli	Performance Coaching and Training Transfer in MSMEs of India: Examining the Mediating Role of Employee Agility	Journal of Management Development, A SCOPUS & WoS Indexed Journal	May	2024	Petroleum Management
440	Ashutosh Muduli	Shared Identity and Career Priority: A Study of Dual Career Couples	SCMS Journal of Indian Management, SCOPUS	Jun	2024	Petroleum Management
441	Ashutosh Muduli	Digital technology adoption, workforce agility and digital technology outcomes in the context of the banking industry of India	Journal of Science and Technology Policy Management, SCOPUS/Web of Science	Jul	2024	Petroleum Management
442	KAUSHAL KISHORE	Opportunities and challenges ahead of start-ups in emerging markets in the era of sharing economy and globalisation	International Journal of Business and Globalisation (A Scopus Indexed Journal)	Oct	2024	Petroleum Management
443	Sudhir Yadav	Risk Mitigation in Development Drilling Through Improved History Matching by Incorporating Uncertainty Analysis with a Hidden Gas Cap	Journal of Mines, Metals and Fuels	May	2024	Petroleum Management
444	Sudhir Yadav	Organization Culture and Lean Implementation: A Study in Micro, Small and Medium Engineering Enterprise	Management and Production Engineering Review	Sep	2024	Petroleum Management
445	Bharatkumar Parekh	X-ray diffractometer, FTIR and theoretical approach of topological analysis of covellite single crystal	J Process Mechanical Engineering	Nov	2023	Physics
446	Satyam Mahendrarao Shinde	Potassium tin mixed iodide-bromide $KS_{1-x}Br_x$ [x = 0.25, 0.5, 0.75, 1] perovskites for solar cell absorbers: A computational study	Materials Science and Engineering: B	Nov	2023	Physics
447	Abhishek Gor	Influence of Pr-ion substitution in Cu_2X hexaferrites on their magnetic and dielectric properties	Ceramics International	Feb	2024	Physics

448	Abhishek Gor	Probing the p-type Chemiresistive Response of NiFe ₂ O ₄ Nanoparticles for Potential Utilization as Ethanol Sensor	Chemistry An Asian Journal	Jan	2024	Physics
449	Ankur Solanki	Insights into Synaptic Functionality and Resistive Switching in Lead Iodide Flexible Memristor Devices	RSC Nanoscale Horizon	Jan	2024	Physics
450	Ankur Solanki	From Fundamentals to Frontiers: A Review of Memristor Mechanisms, Modeling and Emerging Applications	J. Mater. Chem. C	Jan	2024	Physics
451	Ankur Solanki	Unlocking the Resistive Switching in Acacia Senegal-based Electrolyte for Neuromorphic Computation	J. Mater. Chem. C 2024.	Jan	2024	Physics
452	Ankur Solanki	Slow Migration Controlled Resistive Switching in Stable Dion-Jacobson Hybrid Perovskite for Flexible Memristive Applications.	ACS Appl. Electron. Mater.	Jan	2024	Physics
453	Ankur Solanki	Interface Engineering Enables Multilevel Resistive Switching in Low-Power Chemobrionic Copper Silicate	ACS Langmuir	Jan	2024	Physics
454	Brijesh Tripathi	Review of Garnet-Based Solid Electrolytes for Li-Ion Batteries (LIBs)	Journal of Electronic Materials	Feb	2024	Physics
455	Prahlad Baruah	Wet Chemical Synthesis of Cubic Spinel Ferrites: A Review Addressing Phase Formation Behavior and Nanostructuring	Crystal Growth and Design	Jan	2024	Physics
456	Brijesh Tripathi	Synthesis of polyindole/gallium–gadolinium–aluminum garnet nano-composite for supercapacitor electrode	Journal of Materials Science: Materials in Electronics	Feb	2024	Physics
457	Sheetal Rawat	Synthesis of polyindole/gallium–gadolinium–aluminum garnet nano-composite for supercapacitor electrode	Journal of Materials Science: Materials in Electronics	Feb	2024	Physics
458	Manoj Kumar	Synthesis of polyindole/gallium–gadolinium–aluminum garnet nano-composite for supercapacitor electrode	Journal of Materials Science: Materials in Electronics	Feb	2024	Physics
459	Ankur Solanki	Synthesis of polyindole/gallium–gadolinium–aluminum garnet nano-composite for supercapacitor electrode	Journal of Materials Science: Materials in Electronics	Feb	2024	Physics
460	Bharatkumar Parekh	An influence of neodymium (Nd ³⁺) doping on physicochemical properties of monoclinic lanthanum arsenate (LaAsO ₄) nanomaterials	Applied Physics A: Materials Science and Processing	Mar	2024	Physics
461	Sheetal Rawat	Novel Synthesis of radioluminescent CsI:Tl microcrystals under ambient conditions by antisolvent recrystallization method	Optical Materials	Feb	2024	Physics

462	Brijesh Tripathi	Novel Synthesis of radioluminescent CsI:Tl microcrystals under ambient conditions by antisolvent recrystallization method	Optical Materials	Feb	2024	Physics
463	Manoj Kumar	Novel Synthesis of radioluminescent CsI:Tl microcrystals under ambient conditions by antisolvent recrystallization method	Optical Materials	Feb	2024	Physics
464	Bharatkumar Parekh	Comparative study of alkali (Li, Rb and Cs) halide doped KDP single crystals	J Mater Sci: Mater Electron	Mar	2024	Physics
465	Sheetal Rawat	Synthesis of Cerium-doped Gadolinium Gallium Aluminum Garnet (GGAG:Ce) Scintillating Powder via Solvothermal Method	Physica Scripta	Mar	2024	Physics
466	Brijesh Tripathi	Synthesis of Cerium-doped Gadolinium Gallium Aluminum Garnet (GGAG:Ce) Scintillating Powder via Solvothermal Method	Physica Scripta	Mar	2024	Physics
467	Satyam Mahendraraao Shinde	Prediction of Efficiency for KSnI ₃ Perovskite Solar Cells Using Supervised Machine Learning Algorithms	Journal of Electronic Materials	Mar	2024	Physics
468	Mansi Dhuria	GRB221009A gamma-ray events from nonstandard neutrino self-interactions	Physical Review D	Mar	2024	Physics
469	Brijesh Tripathi	Rare Earth metal oxide nanoparticle-infused polymer nanocomposites for enhanced supercapacitor electrodes	Journal of Molecular Structure	Mar	2024	Physics
470	Sheetal Rawat	Rare Earth metal oxide nanoparticle-infused polymer nanocomposites for enhanced supercapacitor electrodes	Journal of Molecular Structure	Mar	2024	Physics
471	Ankur Solanki	Rare Earth metal oxide nanoparticle-infused polymer nanocomposites for enhanced supercapacitor electrodes	Journal of Molecular Structure	Mar	2024	Physics
472	Abhishek Gor	Effect of sputtering time and calcination temperature duration on the structural, optical, and magnetic properties of DC sputtered SrM films	Journal of Materials Science: Materials in Electronics	Mar	2024	Physics
473	Anup Sanchela	Fabrication of low-cost flexible thermoelectric generator using conductive HB graphite paint operated by solar radiation	Flexible and Printed Electronics	Feb	2024	Physics
474	Ankur Solanki	Control-Etched Ti ₃ C ₂ T _x MXene Nanosheets for a Low-Voltage-Operating Flexible Memristor for Efficient Neuromorphic Computation	ACS Applied Materials & Interfaces	Mar	2024	Physics
475	Prahlad Baruah	Bubble-assisted microstreaming during electrode deposition of Mn ₂ O ₃ energy harvesters	Physical Chemistry Chemical Physics	Apr	2024	Physics

476	Prahlad Baruah	Synergistic influence of external electric field on laser ablation in liquid: correlating nanoparticle synthesis and cavitation bubble dynamics	Physica Scripta	May	2024	Physics
477	Abhishek Gor	The combined action of a novel bacterial consortium as biocatalyst in microbial fuel cell and eco-friendly magnetic nanoparticles for treating synthetic wastewater containing sodium benzoate	Journal of Water Process Engineering	Aug	2024	Physics
478	Anup Sanchela	The combined action of a novel bacterial consortium as biocatalyst in microbial fuel cell and eco-friendly magnetic nanoparticles for treating synthetic wastewater containing sodium benzoate	Journal of Water Process Engineering	Aug	2024	Physics
479	Anup Sanchela	Experimental comparison between graphene and reduced graphene oxide along with significant conversion of rGO from n-to p-type	Journal of Materials Science: Materials in Electronics	Apr	2024	Physics
480	Anup Sanchela	A qualitative study of defects with enhanced transport properties of graphene exfoliated from Gum Arabic by rapid sonication method	Phy. Status. Solidi. A	Apr	2024	Physics
481	Prahlad Baruah	Optimizing laser ablation in liquid: The role of ablation region confinement	Journal of Laser applications	Sep	2024	Physics
482	Anup Sanchela	Cost-Effective Approach to Fabricate Oxide-Based Bulk Thermoelectric Generator for Low-Grade Waste Heat Harvesting	Energy Technology	Oct	2024	Physics
483	Mayank Gupta	Solar concentration based indoor daylighting system to achieve net zero sustainable buildings	Energy and Buildings	Oct	2024	Physics
484	Mayank Gupta	Stochastic modeling of multiple-server charging stations for electric vehicle networks using feedback strategies: A queueing-theoretic approach	International Journal of Thermofluids	Nov	2024	Physics
485	Abhishek Gor	Studying the structural, magnetic, and dielectric properties of cobalt-substituted R-type hexaferrites	Interactions	Sep	2024	Physics
486	Dhyani Mehta	The asymmetry effect of industrialization, financial development and globalization on CO2 emissions in India	International Journal of Thermofluids (Indexed: SCOPUS-Q1)	Nov	2023	Social Sciences
487	Ritu Sharma	Mapping determinants of stakeholder perceptions about higher education institutions: an Indian context.	International Journal of Indian Culture and Business Management	Feb	2024	Social Sciences
488	Dhyani Mehta	Impact of Environmental Fiscal Reforms on Carbon Emissions of EURO-4 Countries: CS-NARDL Approach	International Journal of Thermofluids (Indexed: SCOPUS-Q1)	Feb	2024	Social Sciences

489	Shraddha Sharma	Infertility Among Married Women in Northern India: A Qualitative Study of Coping Strategies and Social Stigmas	International Journal of Women's Health and Reproduction Sciences (IJWHR)	Nov	2024	Social Sciences
490	Ritu Sharma	Infertility Among Married Women in Northern India: A Qualitative Study of Coping Strategies and Social Stigmas	International Journal of Women's Health and Reproduction Sciences (IJWHR)	Nov	2024	Social Sciences
491	Shraddha Sharma	Socio-Economic and Psychological Well-Being: An Analytical Study for Sustainable Policy-Making	International Journal of Sustainable Development and Planning	Jan	2024	Social Sciences
492	SANJAY PRADHAN	India and the UAE: Bilateral Ties for Sustainable Energy Security	World Focus	Mar	2024	Social Sciences
493	Shraddha Sharma	Psychological Expression of Traumatic Stress Across Cultures	AMNAYIKI	Jan	2024	Social Sciences
494	Dhyani Mehta	Asymmetric effect of environment tax and spending on CO2 emissions of European Union	Environmental Science and Pollution Research (Indexed: SCOPUS-Q1)	Apr	2024	Social Sciences
495	Dhyani Mehta	Determining Energy Consumption Function under Nonlinearity and Structural Break in India: An Empirical Investigation	Journal of Quantitative Economics (Indexed: Web of Science; SCOPUS-Q3; ABDC-B)	Jun	2024	Social Sciences
496	Dhyani Mehta	Modelling the impact of intellectual capital on financial performance: a case of Russian banking companies	R-Economy (Indexed: SCOPUS-Q3)	Jul	2024	Social Sciences
497	Dhyani Mehta	Deficit financing and consumption: a study of Indian private consumption expenditure	Studies in Economics and Econometrics (Indexed: SCOPUS-Q3)	Jun	2024	Social Sciences
498	Prateek Kumar Singh	Investigating The Impact Of ESG On Responsible Business Practices: An Integrated ISM And MICMAC Methodological Approach	African Journal of Biomedical Research	Jul	2024	Social Sciences
499	venkat Minampati	TRANSPORT GOVERNANCE IN INDIA: A STUDY OF BRT AND ITMS IN INDIAN METRO CITIES	Bihar Journal of Public Administration	Jun	2024	Social Sciences
500	Divi Sriram	TRANSPORT GOVERNANCE IN INDIA: A STUDY OF BRT AND ITMS IN INDIAN METRO CITIES	Bihar Journal of Public Administration	Jun	2024	Social Sciences
501	Ritu Sharma	Facial Emotion Recognition with Deep Neural Network: A Study of Visual Geometry Group-16 (VGG16) Technique with Data Augmentation for Improved Precision	Pertanika Journal of Science and Technology	Aug	2024	Social Sciences
502	Divi Sriram	Problems and Challenges of Indian Rural Local Governments in Achieving Sustainable Development Goals: An Analysis of the Viable Perspectives	International Journal of Sustainable Development and Planning	Jul	2024	Social Sciences

503	Divi Sriram	Collaborative Governance in Building Community Resilience for Disaster Risk Reduction: Lessons from Kutch, Gujarat, India	International Journal of Environmental Sciences	Jun	2024	Social Sciences
504	venkat Minampati	Bus rapid transport system for urban mobility in Ahmedabad: A people's perception of service quality and performance of BRTS	Edelweiss Applied Science and Technology	Jul	2024	Social Sciences
505	Divi Sriram	Bus rapid transport system for urban mobility in Ahmedabad: A people's perception of service quality and performance of BRTS	Edelweiss Applied Science and Technology	Jul	2024	Social Sciences
506	Dhyani Mehta	BRICS carbon emissions: Asymmetric impact of energy mix, financial development, and digitalization	Sustainable Environment (Indexed: SCOPUS-Q2 & Web of Science (ESCI))	Nov	2024	Social Sciences
507	Pankaj Yadav	Improved Efficiency and Stability in 1,5-Diaminonaphthalene Iodide-Passivated 2D/3D Perovskite Solar Cells	Applied Materials & Interfaces	Nov	2023	Solar Energy
508	Pankaj Yadav	The circuitry landscape of perovskite solar cells: An in-depth analysis	Journal of Energy Chemistry	Nov	2023	Solar Energy
509	Indrajit Mukhopadhyay	Spray pyrolyzed lead oxide films for Schottky junction solar cells	J. Indian Chemical Soc.	Nov	2023	Solar Energy
510	Pankaj Yadav	Acetate-based ionic liquid engineering for efficient and stable CsPbI ₂ Br perovskite solar cells with an unprecedented fill factor over 83%	Materials Today Physics	Jan	2024	Solar Energy
511	Pankaj Yadav	Ionic liquid-assisted growth of high-quality methylammonium lead bromide single crystals for photodetection applications	Journal of material chemistry C	Jan	2024	Solar Energy
512	Pankaj Yadav	A machine learning framework for predicting device performance in 2D metal halide perovskite photodetector	Solar Energy	May	2024	Solar Energy
513	Abhijit Ray	Doping induced mixed polytypic interfaces of MoS ₂ for superior electrocatalytic hydrogen evolution	Applied Surface Science	Mar	2024	Solar Energy
514	Indrajit Mukhopadhyay	Doping induced mixed polytypic interfaces of MoS ₂ for superior electrocatalytic hydrogen evolution	Applied Surface Science	Mar	2024	Solar Energy
515	Abhijit Ray	Fractal microstructure of semiconducting Sb ₂ S ₃ by surfactant-assisted spin coating and its advantage in optoelectronic properties	Results in Optics	Feb	2024	Solar Energy
516	Abhijit Ray	Ti-Doped ZnO Thin Films-Based Transparent Photovoltaic for High-Performance Broadband and Wide-Field-of-View Photocommunication Window	Solar RRL	Jul	2024	Solar Energy

517	Abhijit Ray	Structure-led manifestation of photocatalytic activity in magnetically recoverable spinel CuFe ₂ O ₄ nanoparticles and its application in degradation of industrial effluent dyes under solar light	Nanotechnology	Apr	2024	Solar Energy
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Conference proceedings

Sr.no	Authors	Title	Conference	Level_	Month_	Year_	Department
1	Ashwin Parwani	The impact of Environment, Social, and Governance (ESG) performance on firm success: An accounting and market-centric analysis	7th International Conference on Green Economy and Sustainable Growth through Strategic Change	International	feb	2024	Business Administration
2	Akhilesh Nandkishor Shukla	The impact of Environment, Social, and Governance (ESG) performance on firm success: An accounting and market-centric analysis	7th International Conference on Green Economy and Sustainable Growth through Strategic Change	International	feb	2024	Business Administration
3	Akhilesh Nandkishor Shukla	Investigating the Moderating Effect of Corporate Governance – ESG factor on the Relationship between Capital Structure and Firm Performance: An Analysis of the Indian Power Sector	7th International Conference on Green Economy and Sustainable Growth through Strategic Change	International	feb	2024	Business Administration
4	Ashwin Parwani	Investigating the Moderating Effect of Corporate Governance – ESG factor on the Relationship between Capital Structure and Firm Performance: An Analysis of the Indian Power Sector	7th International Conference on Green Economy and Sustainable Growth through Strategic Change	International	feb	2024	Business Administration
5	Akhilesh Nandkishor Shukla	Where Should I Invest? An Empirical Analysis Examining the Performance of Public and Private Banks in India	7th International Conference on Green Economy and Sustainable Growth through Strategic Change	International	feb	2024	Business Administration
6	Pravin Kodgire	Recycling and Recovery of lithium-ion from Waste Batteries Using Novel Ultrasonic Technique: Techno-Economical Studies	1st International Symposium on Battery Technology: Advances and Future Trends	International	jan	2024	Chemical
7	MD Aurangzeb	Application of Heat-Intensified Extractive Double-Partitioned Divided-Wall Column for Purification of Water from Petrochemical	International Conference on Advances in Water Treatment and Management	International	mar	2024	Chemical
8	Ravi Tejasvi	Application of Heat-Intensified Extractive Double-Partitioned Divided-Wall Column for Purification of	International Conference on Advances in Water Treatment and Management	International	mar	2024	Chemical

		Water from Petrochemical					
9	Subhankar Roy	Application of Heat-Intensified Extractive Double-Partitioned Divided-Wall Column for Purification of Water from Petrochemical	International Conference on Advances in Water Treatment and Management	International	mar	2024	Chemical
10	Surendra Sasikumar Jampa	Optimization of PSF/ZIF-7 mixed matrix membrane for effective removal of organic contaminants from wastewater using Box-Behnken Design	ICAWTM-24	International	mar	2024	Chemical
11	Ashish Unnarkat	Role of Electrolytes & Doping in Electrodes for Improving Lithium-ion Battery Performance: A Review	1st International Symposium on Battery Technology	International	jan	2024	Chemical
12	Ashish Unnarkat	Remediation of Sewage Treatment Plant (STP) Waste Water Using Metal Loaded Biochar – A Sustainable Approach For Getting Fertilizer Alike Material	3rd International Conference on Advances in Water Treatment and Management	International	mar	2024	Chemical
13	Himanshu Choksi	Design methodology for forward osmosis system	3rd International Conference on "Advances in Water Treatment & Management"	International	mar	2024	Chemical
14	Himanshu Choksi	Life Cycle Assessment and Exergoenvironmental Analysis of solar assisted Cascade Rankine Cycle coupled with Reverse Osmosis	3rd International Conference on "Advances in Water Treatment & Management"	International	mar	2024	Chemical
15	Himanshu Choksi	Techno-economic analysis of hybrid forward osmosis-reverse osmosis process for water recovery from dairy effluent	3rd International Conference on "Advances in Water Treatment & Management"	International	mar	2024	Chemical
16	Himanshu Choksi	Life Cycle Assessment and Exergoenvironmental Analysis of solar assisted Cascade Rankine Cycle coupled with Reverse Osmosis	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Chemical

17	Himanshu Choksi	Design methodology for forward osmosis system	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Chemical
18	Himanshu Choksi	Techno-economic analysis of hybrid forward osmosis-reverse osmosis process for water recovery from dairy effluent	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Chemical
19	Manish Sinha	Techno-economic analysis of hybrid forward osmosis-reverse osmosis process for water recovery from dairy effluent	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Chemical
20	Swapnil Dharaskar	Enhancing CO2/CH4 Separation Efficiency: Fabrication and Characterization of Ionic Liquid-Enhanced Ion Gel membranes	International Conference on Oil & Gas for Energy Security (ICOGES – 2024)	International	feb	2024	Chemical
21	Swapnil Dharaskar	Microwave Pyrolysis of Biomass using Catalyst for Value-Added Products	International Conference on 'Frontiers in Analytical and Applied Pyrolysis for Energy and Environment	International	feb	2024	Chemical
22	Swapnil Dharaskar	Customizing the Efficiency of CO2/CH4 Separation Using Supported Ionic Liquid Membranes: Design, Analysis, and Theoretical Understanding	Green Sustainable Technology Development-2024	International	feb	2024	Chemical
23	Swapnil Dharaskar	Synthesis, Characterization, and Insights of Supported Ionic Liquid Membranes for Promising CO2/CH4 Separations	International Conference on Trends in Chemical, Energy and Environmental Engineering	International	feb	2024	Chemical
24	Manish Sinha	A novel PSF modified ZIF-67@[BMIM]Cl mixed matrix membranes for CO2/CH4 gas separation	1st International Conference on Trends in Chemical, Energy and Environmental Engineering (ChemEEE'2024	International	feb	2024	Chemical
25	Surendra Sasikumar Jampa	A novel PSF modified ZIF-67@[BMIM]Cl mixed matrix membranes for CO2/CH4 gas separation	1st International Conference on Trends in Chemical, Energy and Environmental Engineering (ChemEEE'2024	International	feb	2024	Chemical

26	Manish Sinha	Exceptional and optimal ultrafiltration performance of PSF/ZIF-8-PEI UF membrane in removing Humic Acid from wastewater using Response Surface Methodology	1st International Conference on Trends in Chemical, Energy and Environmental Engineering (ChemEEE'2024)	International	feb	2024	Chemical
27	Manish Sinha	Optimization of PSF/ZIF-7 mixed matrix membrane for effective removal of organic contaminants from wastewater using Box-Behnken Design	ICAWTM	International	mar	2024	Chemical
28	Manish Sinha	Application of Membrane Bioreactors for Wastewater Treatment	ICAWTM	International	mar	2024	Chemical
29	Sukanta Dash	Experimental and Machine Learning Model of Solubility of CO2 in Aqueous 1-MPZ Solution for Post-combustion CO2 Capture	1st International Conference on Trends in Chemical, Energy and Environmental Engineering (ChemEEE'2024)	International	feb	2024	Chemical
30	Sukanta Dash	1. Study of Dissociation Constant (pKa) for Amines Used in Post Combustion CO2 Capture through Titrimetric Method and Effect of Titrant.	1st International Conference on Trends in Chemical, Energy and Environmental Engineering (ChemEEE'2024)	International	feb	2024	Chemical
31	Sukanta Dash	Modeling of intensification process of CO2 capture in monoethanolamine (MEA) solution using Rotating Packed Bed	international conference on trends in chemical energy and environmental engineering- Chem EEE- 2024	International	feb	2024	Chemical
32	Sukanta Dash	Physical Solubility and Diffusivity of N2O and CO2 in Aqueous Solution of 1-Methylpiperazine	1st International Conference on Trends in Chemical, Energy and Environmental Engineering (ChemEEE'2024)	International	feb	2024	Chemical
33	Sukanta Dash	Experimental and Modeling Investigation of Physical Solubility of CO2 in 1-MPZ based Solvent for Post-Combustion CO2 Capture	International Conference on Oil & Gas for Energy Security-2024 (ICOGES-2024)	International	feb	2024	Chemical
34	Manoj Pandey	Synergistically Enhanced Multifunctional PVDF Membrane for Comprehensive Industrial Wastewater Treatment	International Conference on Water	International	mar	2024	Chemistry

35	Manoj Pandey	Synergistically Enhanced Multifunctional PVDF Membrane for Comprehensive Industrial Wastewater Treatment	International Conference on Water	International	mar	2024	Chemistry
36	S. Sundar Manoharan	Predictive maintenance for sucker rod pumps using AlexNet-based deep learning: Efficient fault prediction utilizing visual representations	Fourth EAGE Digitalization Conference & Exhibition	International	mar	2024	Chemistry
37	Rajib Bandyopadhyay	Mononuclear Cu-complex encapsulated hybrid silicoaluminophosphates for enhanced catalysis	9th Asian Conference on Coordination Chemistry (ACCC9)	International	feb	2024	Chemistry
38	Shabiimam M A	Reviewing the Advanced Oxidation Process (AOPs) for Treatment of Industrial Wastewater	3rd International Conference on Advances in Water Treatment and Management	International	mar	2024	Civil
39	Shabiimam M A	Reviewing the Adsorption for Treatment of Waste Water	3rd International Conference on Advances in Water Treatment and Management	International	mar	2024	Civil
40	Shabiimam M A	Recent Advanced of Coagulation–Flocculation Process to Treat Waste-water	3rd International Conference on Advances in Water Treatment and Management	International	mar	2024	Civil
41	Shabiimam M A	Efficacy Assessment of Sewage Treatment through Innovative Filtration Techniques	3rd International Conference on Advances in Water Treatment and Management	International	mar	2024	Civil
42	Shabiimam M A	Efficacy Assessment of Biochar for the Removal of Emerging Contaminants from Industrial Wastewater	3rd International Conference on Advances in Water Treatment and Management	International	mar	2024	Civil
43	Dhruvesh P Patel	A Dam Break Analysis of Damanganga Dam Using HEC-RAS 2D Hydrodynamic Modelling and Geospatial Techniques	ISSI2022	International	feb	2024	Civil
44	Dhruvesh P Patel	Enhancing the Optimum Water Requirement for the Crop Using the Contemporary Capillary Wick Irrigation Method a Case of an Experimental Demonstration	ISSI2022	International	feb	2024	Civil

45	Dhruvesh P Patel	UAV-Based High-Resolution DEM Application for River Cross-Section Derivation and 1D Flood Assessment	ISSI2022	International	feb	2024	Civil
46	Dhruvesh P Patel	Application of Open-Source Geospatial and Modeling Techniques for Flood Assessment and Management—A Case of Flood 2017, Ravi River Catchment	ISSI2022	International	feb	2024	Civil
47	Dhruvesh P Patel	Evaluation of Movement of Wetting Front Under Wick Irrigation in Black Cotton Soil	ISSI2022	International	feb	2024	Civil
48	Dhruvesh P Patel	One Dimensional Steady Flow Analysis Using HEC-RAS—A Case of Sabarmati River, Gujarat, India	ISSI2022	International	feb	2024	Civil
49	Hargeet Kaur	Exploring the quantum potential of a 5-qubit highly entangled quantum state	2024 11th International Conference on Computing for Sustainable Global Development (INDIACoM)	International	feb	2024	Department of Computer Science and Engineering
50	Davinder Paul Singh	Improved Pulse Coupled Neural Network based on Maximize SNR for Vessel Extraction	2024 International Conference on Advancements in Power, Communication and Intelligent Systems (APCI)	International	jun	2024	Department of Computer Science and Engineering
51	Davinder Paul Singh	Performance Analysis of ECG Disease Classification using SVM classifier	2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	International	mar	2024	Department of Computer Science and Engineering
52	Davinder Paul Singh	An Energy Efficient Naïve Bayes-based Clustering Protocol for Wireless Sensor Network	2024 IEEE International Conference on Interdisciplinary Approaches in Technology and Management for Social Innovation (IATMSI)	International	mar	2024	Department of Computer Science and Engineering
53	Davinder Paul Singh	Emerging Trends of Artificial Intelligence in Detecting Neurodegeneration	Proceedings of Fifth International Conference on Computing, Communications, and Cyber-Security	International	jul	2024	Department of Computer Science and Engineering

54	Davinder Paul Singh	Image Forgery Detection and Classification using Deep Learning	2024 OPJU International Technology Conference (OTCON) on Smart Computing for Innovation and Advancement in Industry 4.0	International	jun	2024	Department of Computer Science and Engineering
55	Davinder Paul Singh	Optimizing Virtual Machine Migration Technique for Cloud Computing	2024 15th International Conference on Computing Communication and Networking Technologies (ICCCNT)	International	jun	2024	Department of Computer Science and Engineering
56	Davinder Paul Singh	A Review of Plant Disease Identification using Computational Techniques	2024 First International Conference on Technological Innovations and Advance Computing (TIACOMP)	International	jun	2024	Department of Computer Science and Engineering
57	Bhasha Vachharajani	Role of Changing Atmospheric Temperature and Radiation on Sea Ice Conditions Over Laptev and Greenland Seas for the Recent Decade	International Conference Innovation in Smart and Sustainable Infrastructure	International	feb	2024	Department of Mathematics
58	Pritam Kocherlakota	Where Should I Invest? An Empirical Analysis Examining the Performance of Public and Private Banks in India	7th International Conference on Green Economy and Sustainable Growth through Strategic Change	International	feb	2024	Department of Mathematics
59	Shreekant Varshney	Stochastic Modeling used in Battery Management Technologies: A Queueing Perspective	1st International Symposium on “Battery Technology: Advances and Future Trends	International	jan	2024	Department of Mathematics
60	Shreekant Varshney	Markovian Modeling of Multi-Server Charging Stations for Electric Vehicle Network with Queue-Based Individual Feedback Strategies	1st International Symposium on “Battery Technology: Advances and Future Trends	International	jan	2024	Department of Mathematics
61	Vishakha Jadaun	Nonlinear Waves in (3+1)-Dimensions: Multi-Soliton Solutions of a Partial Differential Equation	2nd International Conference on Recent Advances in Applied Mathematics (RAAM 2024)	International	jul	2024	Department of Mathematics
62	Vishakha Jadaun	Basic Concepts and Scientific Writing in LaTeX	Basic Concepts and Scientific Writing in LaTeX	International	jun	2024	Department of Mathematics
63	Siddharth Joshi	Levelized Cost of Energy for HRES with Battery Energy Storage System	1st International Symposium on Battery Technology	International	jan	2024	Electrical

64	Praghnesh Bhatt	Optimized Load Frequency Control in Microgrid with Integration of Energy Storage Systems	International Symposium on Battery Technology: Advances and Future Trends	International	jan	2024	Electrical
65	Praghnesh Bhatt	A MATLAB / Simulink Implementation of Closed Loop Speed Control of PMLDC and PMSM Motors using Fuzzy Logic Controller for EV Applications	6th International Conference on Information Systems and Management Science (ISMS 2023)	International	Dec	2024	Electrical
66	PALLAB KUMAR NATH	Multiplierless In-filter Computing for tinyML Platforms	37th International Conference on VLSI Design and 23rd International Conference on Embedded Systems (VLSID)	International	jan	2024	Electronics and Communication Engineering
67	Manish Kumar	Economic and Strategic Implications of Heavy Water Production and Utilization: A Comprehensive Review	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Electronics and Communication Engineering
68	Manish Kumar	Cost-Effective Wastewater Treatment Strategies by Predictive Energy Management with Machine Learning Techniques	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Electronics and Communication Engineering
69	Manish Kumar	Artificial Intelligence based Cyber Security for Nuclear Power Plants	International Conference on Application of Recent Technologies in Science, Engineering, Management For Societal and Industrial Development	International	jan	2024	Electronics and Communication Engineering
70	Abhishek Kumar	Attribute based assessment of wastewater treatment using VIKOR's method	3rd International Conference on "Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Information and Communication Technology
71	Pradip Barik	Optimized 5G Resource Allocation for Metaverse Applications	IEEE International Conference on Electronics, Computing, Communication and Control Technology (ICECCC)	International	may	2024	Information and Communication Technology
72	Supriya Sujay Pal	Commercial Determinants of Menstrual Health	Global South Academic Conclave on WASH and Climate Linkages	National	feb	2024	Management
73	Krunal Mahendra Mehta	Investigating the effect of Friction Stir Processing of Stir-Cast Al (2014)-SiC MMCs on their superplastic behavior	ICFAMMT	International	jan	2024	Mechanical
74	Vishvesh Badheka	Cold Spray Additive Manufacturing	6TH INTERNATIONAL CONGRESS (IC-2024)	International	jan	2024	Mechanical

75	Vishvesh Badheka	Overview of Recent Advances in Fusion and Solid-State Welding	6TH INTERNATIONAL CONGRESS (IC-2024)	International	jan	2024	Mechanical
76	Kishan Fuse	Influence of the welding speed on the friction stir welding of thick Al 6061-T6 alloy using a bobbin tool	2nd International Conference On Futuristic Advancements in Materials, Manufacturing and Thermal Sciences	International	jan	2024	Mechanical
77	Vishvesh Badheka	Influence of the welding speed on the friction stir welding of thick Al 6061-T6 alloy using a bobbin tool	2nd International Conference On Futuristic Advancements in Materials, Manufacturing and Thermal Sciences	International	jan	2024	Mechanical
78	Kishan Fuse	Investigation of Material Movement in Friction Stir Welding with Plasticine as a Analogue	2nd International Conference On Futuristic Advancements in Materials, Manufacturing and Thermal Sciences	International	jan	2024	Mechanical
79	Kishan Fuse	Integrating FMEA and DEMATEL methods for identi-fication of leakage of oil in hydraulic cylinder assembly	2nd International Conference On Futuristic Advancements in Materials, Manufacturing and Thermal Sciences	International	jan	2024	Mechanical
80	Bhasuru Abhinaya Srinivas	Integrating FMEA and DEMATEL methods for identi-fication of leakage of oil in hydraulic cylinder assembly	2nd International Conference On Futuristic Advancements in Materials, Manufacturing and Thermal Sciences	International	jan	2024	Mechanical
81	Nanji Hadia	Water Desalination and H2 Production	International Conference on Advances in Water Treatment and Management (ICAWTM) 2024	International	mar	2024	Mechanical
82	Anurag Mudgal	Water Desalination and H2 Production	International Conference on Advances in Water Treatment and Management (ICAWTM) 2024	International	mar	2024	Mechanical
83	Nanji Hadia	Determination of concentrations in effluents of coreflooding using NMR Spectroscopy Technique	International Conference on Oil and Gas for Energy Security (ICOGES 2024)	International	feb	2024	Mechanical
84	Vivek Patel	Exergy analysis of multi-stage vapour compression refrigeration system with different refrigerants	3rd International Conference on “Advances in water treatment and management (ICAWTM-24)	International	mar	2024	Mechanical

85	Ramesh Guduru	Experimental investigation on the effect of using solid lubricant in dry turning of SS 304 and Ti6Al4V on tool wear	The International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT 2024)	International	jan	2024	Mechanical
86	Anirudh Kulkarni	Assessment of unsteady natural convection in a Lithium-Ion battery with internal porous media	International Symposium on Battery Technology: Advances and Future Trends	International	jan	2024	Mechanical
87	Vivek Patel	Life Cycle Assessment and Exergoenvironmental Analysis of solar assisted Cascade Rankine Cycle coupled with Reverse Osmosis	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
88	Anurag Mudgal	Life Cycle Assessment and Exergoenvironmental Analysis of solar assisted Cascade Rankine Cycle coupled with Reverse Osmosis	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
89	Jatinkumar Patel	Life Cycle Assessment and Exergoenvironmental Analysis of solar assisted Cascade Rankine Cycle coupled with Reverse Osmosis	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
90	Anurag Mudgal	Domestic Wastewater Treatment with Hybrid Constructed Wetland	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
91	Jatinkumar Patel	Domestic Wastewater Treatment with Hybrid Constructed Wetland	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
92	Vivek Patel	Domestic Wastewater Treatment with Hybrid Constructed Wetland	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
93	Jatinkumar Patel	Design methodology for forward osmosis system	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical

94	Anurag Mudgal	Design methodology for forward osmosis system	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
95	Vivek Patel	Design methodology for forward osmosis system	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
96	Anurag Mudgal	Techno-economic analysis of hybrid forward osmosis-reverse osmosis process for water recovery from dairy effluent	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
97	Jatinkumar Patel	Techno-economic analysis of hybrid forward osmosis-reverse osmosis process for water recovery from dairy effluent	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
98	Vivek Patel	Techno-economic analysis of hybrid forward osmosis-reverse osmosis process for water recovery from dairy effluent	3rd International Conference on Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
99	Ramesh Guduru	Hydrogen and Applications: Current status and Future Prospects	Green Hydrogen Ecosystem Accelerating Green Mobility, 14th World Renewable Energy Technology Congress-2023	International	aug	2024	Mechanical
100	Vishvesh Badheka	Additive Manufacturing and Sustainability	15th International Conference on Advancements in Polymeric Materials (APM) – 2024	International	mar	2024	Mechanical
101	Surendra Singh Kachhwaha	Determination of Minimum Energy Consumption of an Industrial Reverse Osmosis (RO) Desalination System	1st International Conference on Green Technology and Sustainability (ICGTS-2024)	International	jan	2024	Mechanical
102	Abhishek Kumar	Attribute based assessment of wastewater treatment using VIKOR's Method	Advances in Water Treatment and Management	International	mar	2024	Mechanical
103	Abhishek Kumar	Advances in Micro-Milling: A Critical Review.	ICFAMMT-2024	International	jan	2024	Mechanical
104	Abhishek Kumar	Total Welding Management System	6TH INTERNATIONAL CONGRESS (IC-2024)	International	jan	2024	Mechanical

105	Bhasuru Abhinaya Srinivas	Stochastic Modeling used in Battery Management Technologies: A Queueing Perspective	1st International Symposium on "Battery Technology: Advances and Future Trends	International	jan	2024	Mechanical
106	Bhasuru Abhinaya Srinivas	Markovian Modeling of Multi-Server Charging Stations for Electric Vehicle Network with Queue-Based Individual Feedback Strategies	1st International Symposium on "Battery Technology: Advances and Future Trends	International	jan	2024	Mechanical
107	Bhasuru Abhinaya Srinivas	AI-based Predictive Image Classification Model for Detection of Soluble Salt Concentration in Water	3rd International Conference on "Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
108	Vivek Jaiswal	AI-based Predictive Image Classification Model for Detection of Soluble Salt Concentration in Water	3rd International Conference on "Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
109	Bhasuru Abhinaya Srinivas	State of the Art: Water Quality Studies in Gujarat, India	3rd International Conference on "Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
110	Vivek Jaiswal	State of the Art: Water Quality Studies in Gujarat, India	3rd International Conference on "Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
111	Bhasuru Abhinaya Srinivas	Methodology For Wall Thickness Validation With Stress Analysis Of Clo2 Generator Piping System	Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT-24)	International	jan	2024	Mechanical
112	Kishan Fuse	Methodology For Wall Thickness Validation With Stress Analysis Of Clo2 Generator Piping System	Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT-24)	International	jan	2024	Mechanical
113	Bhasuru Abhinaya Srinivas	Attribute based assessment of wastewater treatment using VIKOR's method	3rd International Conference on "Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Mechanical
114	Abhishek Kumar	Applications of Additive Manufacturing in Micromachining.	SUSTAINABLE & INNOVATIVE MATERIALS AND DESIGN FOR GLOBAL NEEDS APM 2024	International	mar	2024	Mechanical

115	Abhishek Kumar	APPLICATION OF 3D PRINTING IN WASTEWATER TREATM	SUSTAINABLE & INNOVATIVE MATERIALS AND DESIGN FOR GLOBAL NEEDS APM 2024	International	mar	2024	Mechanical
116	Rajat Saxena	Advancing Sustainability Through Recycling EV Batteries for Different Potential Applications	1st International Symposium on “Battery Technology: Advances and Future Trends	International	jan	2024	Mechanical
117	Madhavan	Aluminium-based metal-organic framework as efficient capture and storage of ammonia	International Conference on Oil and Gas for Energy Security-2024 16-17 February, 2024	International	feb	2024	Petroleum Engineering
118	Lakshmana Rao Jeeru	Selective Synthesis of P-Xylene through Toluene Disproportionation using Modified HZSM-5 Catalyst and Kinetic Modeling	International Conference on Oil & Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
119	Lakshmana Rao Jeeru	Studies on Pyrolysis of Karanja Press Seed Cake and Characterization of Bio-oil , Gases and Bio-char Products	International Conference on Oil and Gas for Energy Security-2024 16-17 February, 2024	International	feb	2024	Petroleum Engineering
120	Lakshmana Rao Jeeru	Synthesis and characterization of zeolite from fly ash for removal of water hardness	International Conference on Advances in Water Treatment and Management, ICAWTM-24	International	mar	2024	Petroleum Engineering
121	LAKSHMANA RAO JEERU	RSM-Guided Optimization of Pectin-TiO2 Nanohydrogel for Enhanced Dye Degradation	International Conference on Advances in Water Treatment and Management, ICAWTM-24	International	mar	2024	Petroleum Engineering
122	Sivakumar P	Integrating Plastic Waste into Hydrocracker Feed: A Sustainable and Environmentally Friendly Approach for Generating High-Value Fuels	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
123	Sivakumar P	Application of Bio-additives to Improve the Flow of Heavy Crude Oil in Pipelines	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
124	Sivakumar P	Mechanism of Sonication for Flow Assurance of Heavy Crude Oil in Pipeline Transportation	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
125	Sivakumar P	Application of Sonication for Stabilization of Crude Oil and Removal of	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering

		Gases from Produced Water					
126	Sivakumar P	Comparative Rheological Study on Guar Gum and Carboxymethyl Hydroxypropyl Guar Gum at High Temperature and Pressure Application	international Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
127	Sivakumar P	Understanding the Conversions and Interconversions in Microwave-Assisted Pyrolysis of Plastic Waste for the Synthesis of High-Value Fuels	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
128	Vivek Ramalingam	Geostatic Modelling of a Heterogeneous Shale Oil Formation in Bakken Field, USA for CCUS Applications	International Conference on Oil and Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
129	Vivek Ramalingam	Understanding the Effect of 'Model' Based Petrophysical Uncertainty in Formation Evaluation Studies and its Impact on Reservoir Characterization: A Case Study from Volve field	International Conference on Oil and Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
130	Vivek Ramalingam	A Comprehensive Case Study for CO2 Sequestration in Kutch Field - Insights from Field and Numerical Investigations	International Conference on Oil and Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
131	Gaurav Hazarika	WellsView360: Optimizing Well Location, Trajectory Analysis, & Forecasting Production	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
132	Maunish Shah	Applications of Far-Field Diverters to Prevent Fracture Driven Interactions and Optimize Fracture Geometry in Hydraulic Fracturing Treatments	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
133	Maunish Shah	Development of a Fluid Diverter for Hydraulic Fracturing	International Conference on Oil and Gas for Energy Security	International	feb	2024	Petroleum Engineering
134	Amit Verma	Experimental and Modeling Study of Rheological Behavior and Filtration of Water-Based Mud Stabilized by Carboxymethyl Hydroxypropyl Guar Polymer	International Conference on Oil and Gas for Energy Security-2024 16-17 February 2024	International	feb	2024	Petroleum Engineering

135	Balasubramanian Ragunathan	Effectiveness of Various Biosorbent for Industrial Effluent Treatment - A Review	3rd International Conference on Advances in Water Treatment and Management - 2023	International	mar	2024	Petroleum Engineering
136	Balasubramanian Ragunathan	Treatment of textile effluent by bio-sorption: kinetics and thermodynamic study	3rd International Conference on Advances in Water Treatment and Management - 2023	International	mar	2024	Petroleum Engineering
137	Shanker Krishna	Brownfield management: Waterflood surveillance framework, streamline simulation, and bright water polymer flooding	2024 SPE Improved Oil Recovery Conference	International	apr	2024	Petroleum Engineering
138	Hari S	Brownfield management: Waterflood surveillance framework, streamline simulation, and bright water polymer flooding	2024 SPE Improved Oil Recovery Conference	International	apr	2024	Petroleum Engineering
139	Shanker Krishna	Predictive maintenance for sucker rod pumps using AlexNet-based deep learning: Efficient fault prediction utilizing visual representations	Fourth EAGE Digitalization Conference & Exhibition	International	mar	2024	Petroleum Engineering
140	Hari S	Predictive maintenance for sucker rod pumps using AlexNet-based deep learning: Efficient fault prediction utilizing visual representations	Fourth EAGE Digitalization Conference & Exhibition	International	mar	2024	Petroleum Engineering
141	Rakesh Kumar Vij	Predictive maintenance for sucker rod pumps using AlexNet-based deep learning: Efficient fault prediction utilizing visual representations	Fourth EAGE Digitalization Conference & Exhibition	International	mar	2024	Petroleum Engineering
142	Shanker Krishna	ResNet-enabled predictive maintenance for sucker rod pumps: Leveraging deep learning for enhanced reliability	Fourth EAGE Digitalization Conference & Exhibition	International	mar	2024	Petroleum Engineering
143	Hari S	ResNet-enabled predictive maintenance for sucker rod pumps: Leveraging deep learning for enhanced reliability	Fourth EAGE Digitalization Conference & Exhibition	International	mar	2024	Petroleum Engineering
144	Shanker Krishna	Secondary and tertiary mode of recovery in low salinity waterflooding: A comprehensive study with insights into wettability alteration and interfacial tension	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering

145	Hari S	Secondary and tertiary mode of recovery in low salinity waterflooding: A comprehensive study with insights into wettability alteration and interfacial tension	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
146	Shanker Krishna	Addressing flow assurance challenges in natural gas pipelines arising from gas hydrate formation through the utilization of whey protein as an environmentally friendly and sustainable hydrate inhibitor	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
147	Shanker Krishna	Exploring the inhibitory potential of pectin, an eco-friendly and sustainable hydrate inhibitor, and its synergistic enhancement with monoethylene glycol for deep-sea hydrate risk management	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
148	Shanker Krishna	Performance evaluation of fracturing fluids in the presence of kinetic hydrate inhibitors (amino acid) for ultra low temperature stimulation applications	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
149	Hari S	Performance evaluation of fracturing fluids in the presence of kinetic hydrate inhibitors (amino acid) for ultra low temperature stimulation applications	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
150	Hari S	Exploring fracture conductivity characteristics of mixed low strength and intermediate strength proppants: An experimental study	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
151	Shanker Krishna	Exploring fracture conductivity characteristics of mixed low strength and intermediate strength proppants: An experimental study	International Conference on Oil and Gas for Energy Security (ICOGES) 2024	International	feb	2024	Petroleum Engineering
152	Paul Naveen	Rock physics modelling of the sCO ₂ storage potential and trapping in depleted tight sandstone porous media	AGU23	International	Dec	2024	Petroleum Engineering

153	Paul Naveen	CO2 Sorption Estimation in Bituminous Coals Leveraging Data-Driven Models for CCUS Projects	SLRMES 2023	International	Dec	2024	Petroleum Engineering
154	Achinta Bera	Impact of TiO2/Sodium dodecyl sulphate/Xanthan gum-based Nanofluid on Enhanced Oil Recovery	International Conference on Oil and Gas for Energy Security-2024 (ICOGES-2024)	International	feb	2024	Petroleum Engineering
155	Achinta Bera	Development of Improved Water Based Drilling Fluid Using Corn Starch and Nanobiomaterial Additives	International Conference on Oil and Gas for Energy Security-2024 (ICOGES-2024)	International	feb	2024	Petroleum Engineering
156	Uttam Kumar Bhui	Role of Silica Nanoparticles in Oil-solubilization during Surfactant assisted Enhanced Oil Recovery: Implications for designing injection fluids	International Conference on Oil and Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
157	Uttam Kumar Bhui	A simple correlation for determining Minimum Miscibility Pressure (MMP) of CO2 in Oil for screening of Indian oil reservoirs for CO2 EOR cum Storage (CCUS)	International Conference on Oil and Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
158	Uttam Kumar Bhui	Deep Neural Network-Driven Predictions of KCl-PHPA-Polyol Mud Properties: Advancing Rheology and Filtration Analysis	International Conference on Oil and Gas for Energy Security-2024	International	feb	2024	Petroleum Engineering
159	Uttam Kumar Bhui	Weathered Basalt Rock- A Sustainable geomaterial for nuclear waste management	3rd DAE-BRNS Symposium on Current Trends in Analytical Chemistry (CTAC- 2023)	International	mar	2024	Petroleum Engineering
160	Uttam Kumar Bhui	Natural Hydrous Sulphate Mineral for sequestration of metal ions of nuclear importance	3rd DAE-BRNS Symposium on Current Trends in Analytical Chemistry (CTAC- 2023)	International	mar	2024	Petroleum Engineering
161	Uttam Kumar Bhui	Influence of ionizing radiations on the clay based geomaterials	3rd DAE-BRNS Symposium on Current Trends in Analytical Chemistry (CTAC- 2023)	International	mar	2024	Petroleum Engineering
162	Tanushri Banerjee	Flexible Management Systems approach to Strategic Management in Line Pipe Manufacturing companies	GLOGIFT 24	International	apr	2024	Petroleum Management

163	Ashutosh Muduli	Sustainable Human Resource Management, Trade Unions, And Equality Enabling Practices: A Systematic Literature Review	International Industrial Relations Conference at XLRI from 08-09 January 2024	International	jan	2024	Petroleum Management
164	Sudhir Yadav	Implementation of Lean Management: A Study of Plastic Additives Manufacturing plant	16th International Conference on Future of Work	International	mar	2024	Petroleum Management
165	Vipul V Patel	Whom consumer prefer to mimic – virtual influencers or human influencers? Mediating role of source credibility	10th International Communication Management Conference (ICMC2024)	International	jan	2024	Petroleum Management
166	Narayan Baser	Company-specific determinants of adopting internal carbon pricing as carbon management strategy	27th Nirma International Conference on Management (NICOM-2024)	International	jan	2024	Petroleum Management
167	Narayan Baser	Technical Session Chair in Finance Track	16th International Conference on Future of Work	International	mar	2024	Petroleum Management
168	Ashutosh Muduli	Enhancement of Training Effectiveness: The Urja Ltd Way	SVKM's NMIMS Case Study Conference 2024 (CSC2024).	International	mar	2024	Petroleum Management
169	Ashutosh Muduli	Training Transfer in MSMEs of India: Examining the role of Performance Coaching HRD Climate and Employee Agility	NICOM 2024	International	jan	2024	Petroleum Management
170	KAUSHAL KISHORE	Celebrity Endorsing Energy Products (Lubricants): A Study and Future Research Agenda	Doctoral Colloquium and International conference on "Energy Transition: Prospects and Barriers(MDI Gurgaon)	International	feb	2024	Petroleum Management
171	KAUSHAL KISHORE	Social Media Influencers and Sustainability in the Travel Industry	3rd International Marketing Conference (iMarC III-IIM Shillong)	International	jan	2024	Petroleum Management
172	Brijesh Tripathi	Levelized Cost of Energy for HRES with Battery Energy Storage System	1st International Symposium on Battery Technology	International	jan	2024	Physics
173	Rohit Srivastava	A Comparative Analysis of Variations in Cloud Properties and Precipitation over Western India using Machine Learning Algorithms	22nd National Space Science Symposium (NSSS) 2024	National	feb	2024	Physics
174	Rohit Srivastava	Role of rising temperature on cloud characteristics over the Arabian Sea	22nd National Space Science Symposium (NSSS) 2024	National	feb	2024	Physics

175	Prahlad Baruah	Determination of Trace Metal Pollutants in Wastewater from Industrial Zones of Ahmedabad using Laser Induced Breakdown Spectroscopy	3rd International conference on 'Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Physics
176	Rohit Srivastava	Determination of Trace Metal Pollutants in Wastewater from Industrial Zones of Ahmedabad using Laser Induced Breakdown Spectroscopy	3rd International conference on 'Advances in Water Treatment and Management (ICAWTM-24)	International	mar	2024	Physics
177	Rohit Srivastava	Role of Changing Atmospheric Temperature and Radiation on Sea Ice Conditions Over Laptev and Greenland Seas for the Recent Decade	International Conference Innovation in Smart and Sustainable Infrastructure	International	feb	2024	Physics
178	SANJAY PRADHAN	'Global Biofuel Alliance: An Insight on Biofuel Policy and Progress of America, Brazil and India'.	8th International Conference on Climate Change (ICCC2024): Effective and Innovative Solutions for Achieving Net Zero.	International	feb	2024	Social Sciences
179	Shraddha Sharma	Unveiling the Challenges Faced by Women in the Workplace: A Content Analysis	7th INTERNATIONAL WORLD CONGRESS OF WOMEN	International	mar	2024	Social Sciences
180	Neeta Sinha	Psychological impact of in-vitro fertilization (IVF) on Infertile Females: A Study on Self-esteem and Quality of Life	28th International and 59th National Conference of the Indian Academy of Applied Psychology (IAAP) on the theme 'Applying Psychology for Professional Excellence	International	feb	2024	Social Sciences
181	NAUSHEEN NIZAMI	Does Automation of jobs contribute to Decent Work? A Case Analysis of IT-BPM Industry	64th ISLE Conference	International	mar	2024	Social Sciences
182	Himani Baxi	Rural Industries and Technology – A Micro GIDC Framework	ICSSR sponsored International Seminar on ' Alternative Paradigm for Sustainable Rural Transformation'	International	jan	2024	Social Sciences
183	Himani Baxi	Fiscal Decentralization Efforts in Gujarat: A critical Analysis	Growth Trajectory in Gujarat: Public Policy Intervention	National	jan	2024	Social Sciences
184	Ritu Sharma	A Cognitive behavior approach to address daily hassles of middle aged non-clinical population	8th Asian CBT Congress	International	mar	2024	Social Sciences

185	Ritu Sharma	A cognitive - behavioural approach in non-clinical population: addressing employee well-being at the workplace	8th Asian CBT Congress	International	mar	2024	Social Sciences
186	Ritu Sharma	ICT & Skill Development: A boomer to NEP 2020	International seminar on National Education Policy	International	feb	2024	Social Sciences
187	Ritu Sharma	Report Writing & Referencing	One day Workshop on Data Analysis and Report Writing	National	feb	2024	Social Sciences
188	ANURAG SRIVASTAVA	Ideas of Developed India @Vision 2047: Pioneering Progress and Prosperity	Good Governance and Notion of Developed India	National	mar	2024	Social Sciences
189	Sitakanta Mishra	Borders and International Relations	VIJIGISHU 2024	National	sep	2024	Social Sciences

Patent

S.No	Type	Name of Faculty	ApplicationNo.	Category	Patent Details	Year
1	Design	Mr. Rohit Pawar Dr. S. Sundar Manoharan Mr. Sourav Santara Dr. Anirbid Sircar	403572-001	National	Solar Biomass Crop Drying System with drying chamber	2024
2	Design	Mr. Rohit Pawar Dr. S. Sundar Manoharan Mr. Sourav Santara Dr. Anirbid Sircar	403572-002	National	Solar Biomass Crop Drying System with Tunnel dryer	2024
3	Design	1. Dr. Rahul Deharkar 2. Ms. Disha Mewada 3. Mr. Aditya Manglani 4. Mr. Rishi Soni 5. Mr. Swar Vinod Kuranjekar	415478-001	National	Steering Knuckle for an All-Wheel Drive ATV	2024
4	Design	1. Harsh Raval 2. Nisarg Solanki 3. Hitanshu Patel 4. Sameer Anchalia 5. Harsh Prajapati 6. Jay Kandpal 7. Anika Garg 8. Parth Prajapati 9. Rakesh Chaudhari	415479-001	National	Design of Spool Drive for optimal performance in formula car	2024
5	Design	1. Dev Dipak Ghiya 2. Jenish Hapaliya 3. Jay Patel 4. Ryan Robin 5. Dhruva Bavaria 6. Ansh Mistry 7. Rakesh Chaudhari 8. Parth Prajapati	415480-001	National	Design of Front Upright for formula vehicle	2024
6	Design	1. Dr. Rahul Deharkar 2. Ms. Disha Mewada 3. Mr. Nisarg Fadia 4. Mr. Rishi Soni 5. Mr. Param Soni 6. Mr. Jinay Panchal	415481-001	National	Carbon Fiber-Aluminum Gearbox Casing for All-Wheel Drive ATV	2024
7	Design	1. Mohit Vazirani 2. Darsh Gupta 3. Aayushi Shah 4. Arushi Sharma 5. Dr. Devlina Adhikari	415482-001	National	Heart Rate (HR) and Blood Oxygen Saturation (SPO2) measuring Eyeglasses	2024
8	Design	1. Dr. Sivaraman Dhanasekaran 2. Dr. P.S. Pradeep 3. Mr. Darshan Ladva 4. Dr. S. Sundar Manoharan	415483-001	National	Hybrid Implant Forceps	2024

9	Design	1. Dr. Jitendra G. Jamnani 2. Mr. Swapnil N. Jani	415484-001	National	Novel Design and Analysis of Permanent Magnet Assisted Synchronous Reluctance Motor (PMASynRM) for Four-Wheeler Electric Vehicles (EVs)	2024
10	Design	Dr. ROSHNI KUMARI Ms. TEJASWINI GAUTAM Prof. Dr. ANIRBID SIRCAR	415557-001	National	Modern generation travel baggage convenience: Introducing the Trolley Top Bag Holder for Effortless Luggage Management	2024
11	Design	1. Soham Vyas 2. Shakti Mishra 3. Brijesh Tripathi	415558-001	National	Method of Predicting Energy Flow of Power Systems in Correlation with Maintenance Activities	2024
12	Design	1. Talaviya Utsav Harsukhbhai 2. Patel Smit Yogesh Kumar 3. Nisarg Harishchandrasinh Solanki 4. Dr. Krunal Mehta	415559-001	National	Chainless Drivetrain using Customized Sprocket and Bearing tooth gear for a bicycle	2024
13	Design	1. Dr. Alok Jain 2. Dr. M. B. Kiran	415561-001	National	Clutch Plate Inspection Fixture	2024
14	Design	1. Dr. Kiran Wakchaure 2. Dr. Kishan Fuse	415578-001	National	Fixture for performing underwater friction stir welding	2024
15	Design	1. Debasis Sarkar 2. Purvesh Raval	415579-001	National	Handled Cement Bag	2024
16	Design	1. Hari Pavan Sriram Yalamati 2. Dr Rakesh Kumar Vij	415581-001	National	Design of end plates for electrolyser, fuel cell and Reversible fuel cell	2024
17	Design	1. Dr. Chandra Kanth P 2. Dr. Mairtrayee Umeshbhai Trivedi 3. Dr. Brijesh Tripathi 4. Dr. Manoj Kumar Pandey	415582-001	National	Coaxial circular filter for continuous-flow photo electrocoagulation	2024
18	Design	1. Ansh Shah 2. Meet Shah 3. Ankur Lal 4. Dr. Ankur Chauarsia	415583-001	National	750W Hub Motor Rear Upright	2024
19	Design	1. Dev Kahodariya 2. Komal Singh 3. Simran Rasdhari 4. Dr. Ankur Chaurasia	415585-001	National	Knuckle for Electric Car	2024

20	Design	1. Shilp Valand 2. Pratham Patel 3. Vatsal Macwan 4. Dr. Ankur Chaurasia	415586-001	National	Foot Brake For Electric Three	2024
21	Design	1. Dr. Debasis Sarkar 2. Purvesh Raval 3. Parth Chudasma	415587-001	National	Safety IOT Device Cover for Construction Sites	2024
22	Design	1. Uttamkumar Vyas 2. Dr. Dhruvesh Patel 3. Dr. Vinay Vakharia	415588-001	National	Jalkupa Irrigation Techniques	2024
23	Design	1. Kush Patel 2. Dr. M. B. Kiran 3. Yash Patel	415589-001	National	Design and Develop a Propellor Shaft Inspection Fixture	2024
24	Design	1. Dr. Kishan Fuse 2. Mr. Meet Lakhani 3. Mr. Smit Patel 4. Rishit Panchal 5. Rushang Nimish Kulkarni 6. Bhawani Singh Shekhawat 7. Dhrumit Bhatt	415590-001	National	Rear Knuckle	2024
25	Design	1. Dr. Kishan Fuse 2. Mr. Meet Lakhani 3. Mr. Smit Patel 4. Rishit Panchal 5. Rushang Nimish Kulkarni 6. Bhawani Singh Shekhawat 7. Dhrumit Bhatt	415595-001	National	Motor Controller venturi-flow assisted active cooling system	2024
26	Design	1. Dr. Kishan Fuse 2. Mr. Meet Lakhani 3. Mr. Smit Patel 4. Rishit Panchal 5. Rushang Nimish Kulkarni 6. Bhawani Singh Shekhawat 7. Dhrumit Bhatt	415597-001	National	Break Disc	2024
27	Design	1. Dr. Kishan Fuse 2. Mr. Meet Lakhani 3. Mr. Smit Patel 4. Rishit Panchal 5. Rushang Nimish Kulkarni 6. Bhawani Singh Shekhawat 7. Dhrumit Bhatt	415599-001	National	Flange shaft	2024
28	Design	1. Aayan Sinha 2. Jiya Pandya 3. Vaghela Avinash Jagdishbhai 4. Komal Singh 5. Dr. Anirudh Kulkarni	415602-001	National	Design of A Robotic Fish	2024

29	Design	1. Dr. Krunal Mehta 2. Harshil Pancholi 3. Mihir Raval 4. Neh Pandya 5. Harsh Sharma 6. Pratham Patel 7. Shilp Valand 8. Aditya Vadgama	415604-001	National	Test Rig for testing Co-efficient of Rolling Resistance of bicycle tyres	2024
30	Design	1. N. Madhavan	415605-001	National	Adaptive Lid for Dust Bin with Adjustable Size	2024
31	Design	1. Darsh Gupta 2. Dr. Abhijit Roy 3. Dr. Mohendra Roy	415626-001	National	2-Axis Opto-Mechanical Joystick	2024
32	Design	1. Dr. Rahul Deharkar 2. Ms. Disha Mewada 3. Mr. Aditya Manglani 4. Mr. Rishi Soni	415639-001	National	Modified Semi Trailing Arm For BAJASAE ATV	2024
33	Design	1. Dr. Rahul Deharkar 2. Mr. Param Dhami 3. Ms. Disha Mewada	415640-001	National	Surveillance Drone	2024
34	Patent	Dr. Vivek Ramalingam	202321074994	National	Play And Learn Geostatic Modelling - Classroom card Game Based Teaching Learning Activity	2023
35	Patent	Dr. R. Balasubramanian Dr. D. Sivaraman	202321074998	National	Biodegradable Sanitary Napkin From Waste biomaterial	2023
36	Patent	Dr. Sheetal Rawat Dr. Prakash Chandra Ms. Nisha Oad Dr. Brijesh Tripathi Dr. Mohit Tyagi	202321075001	National	Novel Solvo Thermal Synthesis Of Ggagcemicroparticles For Enhanced Scintillation	2023
37	Patent	Kaibalya Prasad Panda Debabrata Swain	202321075003	National	Compact Switched-Capacitor Boost Common-Ground Multilevel Inverter For Photo voltaic system	2023
38	Patent	Dr. Amitava Choudhury Dr. Sandeep Kumar Dr. Kalisadhan Mukherjee	202321075005	National	Analytical Instrument For Identification Of phases And Quantification Of Area Fraction Of carbon Ste	2023
39	Patent	Dr. H. R. Dhananjaya	202321075010	National	Economical Profile Of Corrugated Steel I Plate girders For Railroad Bridges	2023

40	Patent	Uttamkumar Vyas Dr. Dhruvesh Patel Dr. Naimish Bhatt Priyanka Raval Kishanlal Darji Dr. D. Sivaraman	202321075014	National	Flexible And Controlled Drip Irrigation system	2023
41	Patent	Uttamkumar Vyas Dr. Dhruvesh Patel Dr. Naimish Bhatt Kishanlal Darji Dr. D. Sivaraman	202321075086	National	Biodegradable Mulching System With Superabsorbent Polymer For Water-Efficient agriculture	2023
42	Patent	Dr. M. B. Kiran Dr. Alok Jain	202321075099	National	A Device For Automated Inspection Of broached Components	2023
43	Patent	Dr. Dadi Venkata Surya Dr. Satya Pritam Kocherlakota Dr. Lakshmana Rao Jeeru Dr. Bhasuru Abhinaya Srinivas	202321075104	National	Grinding Of Solid Materials Beyond Critical speed Using Advanced Ball Milling	2023
44	Patent	Dr. Debabrata Swain Dr. Kaibalya Prasad Panda Mr. Karan Padhiyar Dr. Shakti Mishra	202321075114	National	Low Cost System And Method For Detection Of wifi De Authentication Attacks	2023
45	Patent	Dr. Yogesh Kumar Dr. Ankur Changela	202321075120	National	Explainable Ai-Based Infectious Disease Symptom checker, Detector And Recommender	2023
46	Patent	Dr. Samir B. Patel Dr. Santosh Bharti Dr. Neeta Sinha Dr. Supriya Pal Kirtan S. Patel	202321075124	National	Three-Passenger E-Vehicle For Differently Abled individuals For Empowering Mobility	2023
47	Patent	Pooja Shah Samuel Guizado Junior	202321075129	National	Notime-Notification Gadget	2023
48	Patent	Nisarg Manojkumar Mehta Dr. Pooja Shah	202321075131	National	Iot Healthcare Decentralized Distributed Self-Aware Multi Agent Intrusion Detection And intrusion Pr	2023
49	Patent	Dr. Payal Chaudhari Dr. Nishant Doshi Neeha Agrawal Swara Joshi Priyanshi Thakkar	202321075151	National	Contact-Less Authentication With Block chain integration For Access Logs	2023

50	Patent	Dr. Surendra Sasikumar Jampa Dr. Manish Kumar Sinha Sapna A. Gawali Dr. Swapnil Dharaskar	202321075161	National	Novel Hierarchy Porous Mof Zif-7@Zif-8 Embedded in Polysulfone (Psf) Membrane Beneficial For Remov	2023
51	Patent	Dr. Kaibalya Prasad Panda Rishika Sharma Shree Solanki	202321075168	National	Cross-Switched Multilevel Inverter With Zero common-Mode Voltage For Solar System	2023
52	Patent	Dr. Swapnil Dharaskar Abhishek Ajay Kagalkar Dr. Nitin Chaudhari	202321075187	National	Development Of Mxene Using Pyrolysis microwave Method	2023
53	Patent	Dr. Bharti Saini	202321075191	National	Aa-Co-Peoma Copolymer Adsorbent For There mediation Of Cationic Dye From Aqueous solution	2023
54	Patent	Mr. Rohit Pawar Dr. S. Sundar Manoharan Mr. Sourav Santara Dr. Anirbid Sircar	202421000336	National	Hybrid Solar Biomass Drying System	2024
55	Patent	Prof. Dr. Anirbid Sircar Dr. Roshni Kumari	202421000335	National	Eco Friendly Substitute for agri wastewater Treatment	2024
56	Patent	Dr. Ankur Solanki Mansi Patel Jeny Gosai	202421010840	National	The Method of Development of Memristor using Dion-Jacobson Hybrid Perovskite	2024
57	Patent	N. Madhavan	202421010842	National	Adaptive Lid For Dust Bin With Adjustable Size	2024
58	Patent	Debasis Sarkar Purvesh Raval	202421010844	National	Safety Iot Device Cover For Construction Sites	2024
59	Patent	Dr. Balanagulu Busupalli Dr. Ankur Solanki Vipul Patel Mansi Patel	202421010847	National	Copper Silicate Chemobrionic based memristor device	2024
60	Patent	Dr. Devlina Adhikari Darsh Gupta Mohit Vazirani Arushi Sharma Aayushi Shah	202421010850	National	Heart Rate and Blood Oxygen Saturation Measuring Eyeglasses	2024
61	Patent	Dr. Santosh Satapathy Dr. Nitin Singh Rajput Mr. Krishna P Pandya Mr. Sahil Shah Mr. Niv Doshi Mr. Aarav Kumar Shah	202421010852	National	EnlightAI: A Fusion of Federated Learning and Explainable AI for Advanced Prediction and Mitigation of Mental Health Risks	2024

62	Patent	Dr. Ritesh Vyas Dr. Santosh Kumar Satapathy Ms. Shreya Sidabache	202421010857	National	Next-Gen Palm Vein identification through Semantic Segmentation	2024
63	Patent	Dr. M. B. Kiran	202421010924	National	A Device for Automated Inspection of Reamed Holes in manufactured components	2024
64	Patent	Dr. Pradip Kumar Barik Rhythm Gupta Shiv Joshi	202421010933	National	A Cost-Effective Non-Invasive System For Cow Heat Prediction	2024
65	Patent	Lakshmanarao Jeeru Satya Pritam Kocherlakota Bhasuru Abhinaya Srinivas Dadi Venkata Surya	202421010987	National	Biochar Production and Activation Using Environmentally Friendly Solvents for Innovative Applications in Agriculture and Environmental Remediation	2024
66	Patent	Mr. Suvik Oza Dr. Pravin Kodgire Prof. Surendra Singh Kachhwaha	202421012114	National	Esterification process of blended Raw Karnaja oil and castor oil utilizing a Shockwave power reactor (SPR).	2024
67	Patent	Satya Pritam Kocherlakota Bhasuru Abhinaya Srinivas Lakshmana Rao Jeeru Dadi Venkata Surya Rishi Sakaria Diya Acharya	202421012115	National	Microwave-assisted catalytic co-pyrolysis of groundnut shell biomass with waste polystyrene to produce renewable chemicals	2024
68	Patent	Bhasuru Abhinaya Srinivas Satya Pritam Kocherlakota Lakshmana Rao Jeeru Dadi Venkata Surya Veluru Sridevi	202421012126	National	Advanced Methods for the Acid Pretreatment of Tea Waste Powder to Recover Valuable Chemicals	2024
69	Patent	Lakshmanarao Jeeru Jainam Panchal Jaimin Chaudhary Dadi Venkata Surya Bhasuru Abhinaya Srinivas Satya Pritam Kocherlakota Himanshu Chokshi	202421012130	National	A Process to convert waste polystyrene into products using zeolite catalyst assisted microwave pyrolysis	2024
70	Patent	Dr. M. B. Kiran Dr. Alok Jain	202421012213	National	A Device for Automated Inspection of Spur Gears	2024
71	Patent	Dr. Nitin Singh Rajput Mr. Dikshant Sharma Ms. Vandita Asudani Ms. Remanshi Gajera Ms. Misha Kotadiya Dr. Santosh Satapathy	202421012219	National	Advanced IoT-Based Aquarium Water Maintenance & treatment	2024

72	Patent	Dr. Ankur Solanki Dr. Brijesh Tripathi Manish Khemnani	202421012235	National	Method of Fabrication of Hybrid Dion-Jacobson Perovskite-based Multifunctional Self-Rectifying Memristor	2024
73	Patent	Dr. Lakshmana Rao Jeeru Dr. Kotaiah Naik Dhanavath	202421012241	National	A Method To Produce Bio-Oil And Bio-Char By The Pyrolysis Of Kusum Press Seed Cake	2024
74	Patent	Dr. Santosh Kumar Satapathy Dr. Ritesh Vyas Mr. Yashraj Patel Ms. Juhi Jani Mr. Ajendra Baria Mr. Param Shah Mr. Mihir Makwana	202421012246	National	AI-Powered Mental Health Assessment and Improvement Platform for Students	2024
75	Patent	Dr. Nitin Singh Rajput Mr. Sahil Sanghvi Mr. Siddharth Ramnani Mr. Mohit Patel Ms. Gargi Rajpurohit Mr. Pratik Kelkar	202421012211	National	SmartGaze: IoT-based Smart Mirror with Alarm System	2024
76	Patent	Vishal Lakshmanbhai Suhagiya Rathod Yogesh Kumar Ranchodlal Darshan Bharatdan Ratnu Soni Ankitkumar Ajaykumar Dr. Roshni Kumari Ms. Tejaswini Gautam Prof. Dr. Anirbid Sircar	202421011609	National	Next Generation Biofuel Better Option for Biodiesel	2024
77	Copyright	DR. NEETA SINHA SHUBHANGI CHOWDHARY DR. SUPRIYA PAL	29428/2023-CO/L	National	Influence of Work-Related Support on Work-Family Conflict, Self-Efficacy and Flourishing: The Mediating role of Boundary Control	2023
78	Patent	1. Dr. Kalisadhan Mukherjee 2. Mr. Snehangshu Paine 3. Dr. Amitava Choudhury 4. Dr. Achinta Bera	202421051516	National	A novel cost effective methodology for estimating the volume proportion of individual propanol isomers in their liquid phase mixtures	2024
79	Patent	1. Dr. Davinder Paul Singh 2. Dr. Anu Manhas 3. Dr. Shubham Mahajan	202421052344	National	Machine Learning based Single-Cell RNA Sequencing for Targeted Anticancer Drug Discovery	2024

80	Patent	1. Dr. Davinder Paul Singh 2. Dr. Abhinav Sharma 3. Dr. Debabrata Swain 4. Dr. Chintan Bhatt 5. Dr. Shubham Mahajan	202421052346	National	Hierarchical Reinforcement Learning System with Transferable Knowledge Modules for Autonomous Decision-Making in Robotics	2024
81	Patent	1. Dr. Davinder Paul Singh 2. Dr. Abhinav Sharma 3. Dr. Debabrata Swain 4. Dr. Rahul Dubey 5. Dr. Shubham Mahajan	202421051519	National	Neuro-Adaptive Generative AI based Real-time Rendering of Hyper Realistic Interactive Environments in Virtual Reality	2024
82	Patent	1. Debasis Sarkar 2. Purvesh Raval	202421052342	National	Blockchain technology based device for automated procurement and smart contract for construction projects	2024
83	Patent	1. Manthan Shah 2. Aksh Bavisi 3. Dharmik Parekh 4. Dr. Krunal Mehta	202421051525	National	Novel Flapping and Morphing Gear Mechanism for Ornithopter	2024
84	Patent	1. Ankur Ishwar Lal 2. Dr. Krunal Mehta	202421052348	National	Mechanism for Self-balancing Two-wheelers	2024
85	Patent	1. Dr. Manan Shah 2. Prof. Anirbid Sircar 3. Mr Shuchen Thakore 4. Mr. Dhruv Parikh 5. Ms. Priyancy Gandhi 6. Mr. Parikshit Bodana 7. Mr. Jayraj Chauhan	202421051524	National	Dehydration of Ethanol/water azeotrope via Extractive Distillation using Solid Salt NaOH	2024
86	Patent	1. Mr Ajay V. Gawali, 2. Dr. Manish Kumar Sinha, 3. Dr. Surendra Sasikumar Jampa, 4. Dr. Snigdha Khuntia 5. Dr. Swapnil Dharaskar 6. Sapna Gawali,	202421052351	National	Development of CO2/CH4 separation process using novel Zn-MOF-II@[BMIM]Br/PSF mixed matrix membranes prepared by solution casting method	2024
87	Patent	Dr Paawan Sharma Dr Vipin Shukla Dr Mohender roy	202421051273	National	Cropwatch Iot	2024
88	Patent	1. Ryan Joseph Robin 2. Dr. Manjeet Keshav	202421052429	National	Fluid Actuated Inerter.	2024
89	Patent	1. Tanish Patel 2. Rutvij H Jhaveri	202421051249	National	ExplainSemic – A framework for explaining semiconductor defects	2024

90	Patent	1. Dr. Samir B. Patel 2. Shreya Shah	202421052357	National	Sensor based smart chair for occupancy and monitoring	2024
91	Patent	1. Rama Gaur 2. Jinal Patel 3. Syed Shahabuddin	202421052341	National	A Novel Cds/Max Phase Nanocomposites For Photocatalytic Mineralization Of Chlorpyrifos And Method Thereof	2024
92	Patent	1. Rama Gaur 2. Jinal Patel 3. Syed Shahabuddin 4. Rachna Sharma	202421051269	National	Efficient One-Pot Synthesis Of Graphene-Cds Nanocomposites For Visible-Light-Driven Photocatalytic Degradation Of Chlorpyrifos	2024
93	Patent	1. Rama Gaur 2. Stuti Jha 3. Syed Shahabuddin 4. Rachna Sharma	202421052395	National	Utilizing Coconut Fiber-Cf As A Zero-Cost Bio Adsorbent For Sustainable Dye Reclamation	2024
94	Patent	1. Bhavya Pandya 2. Dr. Siddharth Joshi	202421051619	National	Model Predictive Control for Optimization of Hybrid Renewable Energy Systems Integrating Wind and Battery Storage	2024
95	Patent	1. Akash V. Barva 2. Siddharth Joshi	202421052422	National	Improving Power Quality in Hybrid Renewable Energy Systems through the Utilization of PV Inverter Ratings and Hybrid Active Power Filter	2024
96	Patent	1. Dr.Santosh Kumar Satapathy 2. Mr. Ayush Chaudhary 3. Mr. Rut Patel 4. Mr. Devang Rathod	202421051596	National	AI-enabled Sign Language Translation Model	2024
97	Patent	1. Dr.Santosh Kumar Satapathy 2. Mr. Vivek Shah 3. Mr. Vraj Shah 4. Mr. Somya Mehta 5. Mr. Saurav Navdhare 6. Mr. Kais Awadiya	202421051576	National	Prompt-Driven Offline LLM for PDF Summarization and Q&A: A Secure Approach	2024
98	Patent	1. Dr. Santosh Kumar Satapathy 2. Mr. Purab Patel 3. Mr. Jaynil Joshi 4. Mr. Dev Patel	202421052352	National	Smart Home Monitoring System	2024

99	Patent	1. Dr. Santosh Kumar Satapathy 2. Mr. Bhagirath Patel 3. Mr. Parth Savaj	202421051521	National	A Smart Chess Board System with Integrated AI Assistant and Mixed Reality	2024
100	Patent	1. Dr. Santosh Kumar Satapathy 2. Ms. Aashi Shah 3. Ms. Riya Patel	202421052340	National	Smart Stick for Blind People	2024
101	Patent	1. Prof. Vishvesh J Badheka 2. Dr. Hardik D. Vyas 3. Dr. Kush Mehta 4. Mr. Bharatkumar R. Doshi	202421051625	National	Development of transition joint of Aluminium (Al)-Stainless Steel (SS)	2024
102	Patent	1. Dr. Syed Shahabuddin 2. Ms. Veena Sodha 3. Dr. Rama Gaur 4. Mr. Yash Amodra	202421052350	National	Synthetic conversion of natural Indian Kutch sourced kaolin clay to adsorbent zeolite Y	2024
103	Patent	1. Dr. Udayprakash Sharma	202421052436	National	Sovereign Social State System	2024
104	Patent	1. Dr. Swapnil Dharaskar 2. Dr. Subhankar Roy 3. Mr. Anis Desai 4. Mr. Tushar Vilas Patil	202421052440	National	Synthesis of Microwave pyrolysis Biochar based metallic silver Catalyst	2024
105	Patent	1. Dr. Swapnil Dharaskar 2. Dr. Manish Kumar Sinha 3. Mr. Tushar Patil 4. Mr. Sarthak Patel	202421052445	National	UiO-66-NH ₂ /[THTDP][NTf ₂]/Pebax-1657 mixed matrix membrane for enhanced CO ₂ separation	2024
106	Patent	1. Dr. Syed Shahabuddin 2. Ms. Veena Sodha 3. Dr. Rama Gaur	202421051262	National	Portable zeolite-coconut husk-based filtration device for textile dye wastewater treatment	2024
107	Patent	1. Mr. Suvik Oza 2. Dr. Pravin Kodgire 3. Prof. Surendra Singh Kachhwaha	202421050887'	National	Biodiesel production from blended non-edible oil using a shockwave power reactor (SPR).	2024
108	Patent	1. Mr. Suvik Oza 2. Dr. Pravin Kodgire 3. Prof. Surendra Singh Kachhwaha	202421050878'	National	Single-step production of biodiesel from blended non-edible oil via Shockwave power reactor (SPR)	2024
109	Patent	1. Dr. Kaibalya Prasad Panda, Dept. of EE 2. Dr. Vipin Shukla, Dept. of EE, 3. Sameer Kumar Pandey, Dept. of EE	202421052475	National	Bi-Directional Dc Power Conversion Unit With Low Input Current Ripple For Electric Vehicle	2024

110	Patent	1. Dev Dipak Ghiya 2. Harsh Raval 3. Dr Ravi Kant	202421052472	National	Designing of a Morphing Robot	2024
111	Patent	1. Dr. Nitin Chaudhari 2. Kajal Mahabari 3. Mr. Ranjit Mohili	202421052458	National	Electrochemical water splitting, Hydrogen generation, MAX phase etching, Microwave assisted MXene, 2D nanosheets	2024
112	Patent	1. Dr. Kalisadhan Mukherjee 2. Dr. Anirban Das 3. Ms. Vaishali Chauhan 4. Mr. Raj Makwana	202421051690	National	Preparation of iron oxide impregnated photoactive geopolymeric blocks for adsorption application	2024
113	Patent	1. Dr. Yogesh Kumar 2. Dr. Ankur Changela 3. Dr. Nandini Modi	202421052446	National	AI-Based Automated System for Detecting Chewable Food Items	2024
114	Patent	1. Nirav Prajapati 2. Prof. Surendra Singh Kachhwaha 3. Dr. Pravin Kodgire 4. Prof. R. K. Vij	202421050904'	National	A novel biodiesel production process from acid oil using high speed homogenizer.	2024
115	Patent	1. Mr. Nirav Prajapati 2. Prof. Surendra Singh Kachhwaha 3. Dr. Pravin Kodgire 4. Prof. R. K. Vij	202421050892'	National	Biodiesel production from non-edible oil using a novel hydrodynamic cavitation device	2024
116	Patent	1. Mr. Shiv A. Joshi 2. Mr. Kartike yan Bihola 3. Dr. Ankur Changela	202421051698	National	A Versatile Smart Glove for Gesture Recognition and Various IoT Applications Using IMUs.	2024
117	Patent	1. Dr. Nandini Modi 2. Dr. Yogesh Kumar 3. Dr. Ankur Changela	202421051271	National	Gaze Driven Assistive Technology System For Children With Cognitive Disabilities	2024
118	Patent	1. Dr. Manish Kumar Sinha, 2. Sapna A. Gawali, 3. Dr. Surendra Sasikumar Jampa, 4. Dr. Snigdha Khuntia 5. Arjun Bansal, 6. Ayush Modi, 7. Devam Bhadaniya, 8. Mr. Ajay V. Gawali,	202421051691	National	Influence of process parameters through Novel Glass ZIF-62 mixed matrix membrane for oily wastewater separation by using Response Surface Methodology (RSM)	2024
119	Patent	1. Dr Manas Kumar Bhoi	202421051695	National	Inclined Shear Plane Direct Shear Box And The Shearing System	2024

120	Patent	1. Prof. Vishvesh J Badheka 2. Dr. Hardik D. Vyas 3. Dr. Kush Mehta 4. Mr. Bharatkumar R. Doshi	202421051646	National	Development of transition joint of Copper (Cu)-Stainless Steel (SS).	2024
121	Copyright	Dr. Rajesh Desai	22746/2024-CO/L	National	Conceptual Model on the Adoption of Digital Currency”	2024
122	Copyright	1.Dr. Harmik Vaishnav 2. Dr. Sriram Divi	22822/2024-CO/L	National	Leadership: The Gandhi Way	2024
123	Copyright	Dr. Harmik Vaishnav	22717/2024-CO/L	National	Learning and Practicing Business Writing”	2024
124	Copyright	1. Dr. Ashwin Parwani 2. Dr. Ashvin R. Dave 3. Dr. Ashish B. Joshi	23132/2024-CO/L	National	Research Based Approach to Capital Structure- Pharmaceutical Sector	2024
125	Copyright	1. Yash Shah 2. Dr. ASIT B. ACHARYA	22875/2024-CO/L	National	System for Locking Wind Turbines	2024
126	Copyright	1.Dr. Gitanjali kaur Kapoor 2. Dr. Pooja Shah 3. Parag Shewaramani	23101/2024-CO/L	National	Emotion based Classification of Hate Speech	2024
127	Copyright	Dr. Anurag Kumar Srivastava	2957/2024-CO/A	National	E-Urban Governance Transparency Algorithm	2024
128	Copyright	Dr. Anurag Kumar Srivastava	23223/2024-CO/A	National	Service Quality Management Framework for Urban Local Bodies (SQM Framework for ULB'S)	2024
129	Copyright	Dr. UDAYPRAKASH SHARMA	23362/2024-CO/L	National	JUSTICE FOR STATES: CONCEPTUALIZING THE POSSIBILITY OF PRINCIPLES FOR INTERNATIONAL JUSTICE	2024
130	Copyright	Dr. UDAYPRAKASH SHARMA	23362/2024-CO/L	National	JUSTICE FOR STATES: CONCEPTUALIZING THE POSSIBILITY OF PRINCIPLES FOR INTERNATIONAL JUSTICE	2024
131	Design	Ms. Tejaswini Gautam Prof. Anirbid Sircar Dr. Roshni Kumari	432751-003	National	Innovative Sterilizer based on Geothermal Heat	2024
132	Design	Mr. Rohit Pawar Mr. Sourav Santara Dr. Anirbid Sircar	432751-007	National	Multipurpose Grading Machine	2024

133	Design	Mr. Nirav Prajapati Prof. Surendra Singh Kachhwaha Dr. Pravin Kodgire Prof. Vishvesh Badheka Prof. Rakesh Kumar Vij	432751-002	National	A novel cavitation device for biodiesel production from non-edible oil	2024
134	Design	Dipti Chaudhary Dr. Roshni Kumari Prof. Dr. Anirbid Sircar	432751-001	National	Geothermal-Solar hybridized Innovative Crystallizer for Complete Salt Extraction	2024
135	Design	Kunal Ravindra Gajbhiye Kelvy P. Dalsania Dr. Namrata Bist Prof. Anirbid Sircar	432751-004	National	Hydrogen and Natural Gas Mixed Gas Reactor	2024
136	Design	Krutarth Patel Varad Dixit Aum Kamboya Harshil Gupta Dr. Sachidanand Singh	432750-001	National	Modular Medical Semisolid Dispenser with Regulated Dosing	2024
137	Design	Mr. Rahul Deharkar, Mr. Param Dhami, Mr. Jainam Modi, Mr. Jaydip dharamshibhai dafda, Mr. Mayank Jat, Mr. Manan Shah	432751-005	National	Gear Box for an All-Wheel Drive ATV	2024
138	Design	Mr. Rohit Pawar Dr. S. Sundar Manoharan Mr. Sourav Santara Dr. Anirbid Sircar	432751-006	National	Solar Biomass Crop Drying System with drying chamber	2024

Technical and Cultural Activities Cultural activities

7.1.11 Institution celebrates / organizes national and international commemorative days, events and festivals

Efforts of the university in celebrating/organizing national and International commemorative days, events and festivals during the last five years have ensured the required sensitization for all the stakeholders.

Pandit Deendayal Energy University (PDEU) has a long standing tradition of celebrating prominent events on the campus.

The Office of Student Activities, Involvement & Leadership (OSAIL) complements students' academic experiences by providing services and resources that engage students in creating campus culture through social, cultural, intellectual, spiritual, athletic, recreational, artistic, political, and service opportunities.

The Office supports the student organizations that abound at PDEU. Opportunities are provided for student participation and leadership experiences in a variety of officially recognized clubs and organizations. Currently it mentors and funds around 35+ student clubs which conducts around 250+ events throughout the academic year. The staff is committed to delivering quality advising, resource materials, leadership development opportunities, and administrative support services to impact students' growth and development and enhance the success of each student organization.

It ensures that students with Leadership qualities get platform to experiments with their ideas and enhance their skills. These leaders keep the campus buzzing with their innovative events and also ensure that talented students get chance to showcase their talents in those events. There are sports/recreation clubs, special interest groups, professional societies, and social service activities, cultural & technical events.

Annual Report of OSAIL <https://www.pdpu.ac.in/osailAnnualReport.html> can be accessed here. Total number of events conducted by OSAIL year wise:

Sr. No	Year	Total events
1	2016-17	238
2	2017-18	196
3	2018-19	197
4	2019-20	205
5	2020-21	340

List of some all the festivals organised under OSAIL each year:

Sr. No.	Festivals Organised
1	Independence Day Celebration
2	Raangtaal
3	Kite Festival (Kai Po Che)
4	Republic Day Celebration
5	Engineer's Day





Engineer's Day Celebration



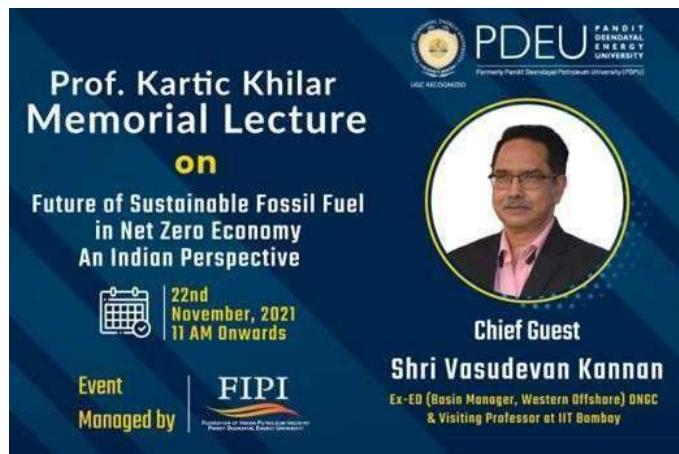
Apart from these PDEU organizes 2 other major commemorative events as under:

1. Prof. Kartic Khilar Memorial Lecture
2. Pandit Deendayal Memorial Lecture Series @ PDEU

Prof. Kartic Khilar Memorial Lecture

In the 14 years of our journey, PDEU has achieved several benchmarks and is marching towards many more such accolades. Every successful achievement had a group of people who envisioned, worked hard and bestowed their experience in the development of PDEU. One such eminent personality was late Director General Prof. Kartic C. Khilar who contributed in shaping the Academic and Research Culture of PDEU during his tenure and facilitated the University in every aspect. Prof. Khilar passed away on 13th November, 2009. In the souvenir of Prof. Kartic Khilar, university organizes a lecture series in his memory.

Glimpses of "**Prof. Kartic Khilar Memorial Lecture-2021**" on **Future of sustainable fossil fuel in Net-Zero Economy: An Indian Perspective** By **Shri. Vasudevan Kannan**, Ex-ED- BM, Western Offshore-ONGC (Visiting Professor, IIT Bombay) Date: 22 November, 2021



Other links: <https://alumni.pdpu.ac.in/f/astrology-vs-astronomy---prof-kartic-khilar-memorial-lecture-9th-year-1288>

<https://in.linkedin.com/company/fipi-pdeu-sc> <https://d.facebook.com/spmpdpu/>

Pandit Deendayal Memorial Lecture Series @ PDEU

Pandit Deendayal Memorial Lecture series-a public event- is organized at Pandit Deendayal Energy University, Gandhinagar every year on 25th September, the birth anniversary of Shri Deendayal Upadhyay, Social Activist, Politician and Author, who was the founder of political movement Jan Sangh. Over the years, luminaries from different walks of life have graced the occasion and have spoken on a variety of topics.

Pandit Deendayal Memorial Lectures: Over the Years

S.N.	Year	Speaker	Affiliation	Topic
1	2010	Dr. N. Ravichandran	Director, IIM-Indore	“Power of Youth in Building Modern India”
2	2011	Shri Anil Johari	Executive Director-ONGC Ahmedabad	‘Energy as the Key Driver for Growth’
3	2012	Dr. R. Murugesan	President, Indian Society for Technical Education, New Delhi	“Growth of Indian Engineering Sector: A Review”
4	2013	Prof. R.S. Nirjar	Vice Chancellor, Gautam Buddha University, Noida	“The Role of Intellectuals in Integral Development of the Nation”
5	2014	Prof. Atul Tandan	Former Director, MICA - Ahmedabad and Renowned Advertising Industry Professional	“Leadership : Managing the Cultural Paradox”
6	2015	Dr. R. A. Mashelkar, FRS	Padma Vibhushan, National Research Professor and President-Global Research Alliance	“Reinventing India as an Innovation Nation”
7	2016	Dr. Anil Kumar Gupta	Founder, Honey Bee Network & Professor, IIM Ahmedabad	Connecting communities and corporations-Can we learn from grassroots innovators?
8	2017	Prof. S.A. Bari	Vice Chancellor, Central University of Gujarat	Higher Education in India: Paradigm Shifts
9	2018	Prof. Pradip Khandwalla	Former Professor & Director, IIM Ahmedabad	India’s Civilizational Resurgence in this Century
10	2019	Shri Ram Madhav	Social Activist & Author	Kashmir: Socio-Economic & Political Perspectives
11	2020		Postponed due to COVID 19 pandemic	
12	2021	Mr. Dinesh C. Paliwal	Global Partner KKR, Marelli Chair and Lead Director, Board member Nestle, Raytheon Technologies and Miami University, former Chairman & CEO Harman International & ABB Inc. USA	Leading Through Exponential Times

Link for 2021 edition of Pandit Deendayal Memorial lecture
<https://www.youtube.com/watch?v=-qpoKrHnBJM>

3. Collaborations

Number of collaborative activities with other institutions/ research establishment/industry for research and academic development of faculty and students per year - 2020-21

Details
L&T Hydrocarbon
Granth Creations-Pvt limited
Fyndhere services Private Limited
Virtue Ventures (Financial & NPA Consultants)
AWR Lloyd
AHA Solar
HPCL
Outlook Publishing India Pvt. Ltd (Rajan Raheja Group)
Knight Frank India Pvt. Ltd.
Hindustan Petroleum Corporation
Indian Wealth Management
OIL India Ltd.
Gujarat Energy Research & Management Institute (Solar)
IHS Markit
TradeSwift Broking
AMUL / Gujarat Cooperative Milk Marketing Federation (GCMMF)
Enertech Fuels
Mahanagar Gas Ltd.
Ernst & Young
IRM Energy
Gujarat State Petronet Ltd.
Smart Meter Technology
VC ERP Consulting (P) Ltd.
Tipsons Financial Services
Godrej Consumer Products Limited
Outlook Publishing India Pvt. Ltd (Rajan Raheja Group)
Hindustan Petroleum Corporation
Venus Engineering Works
Enertech Fuels
Indeate Consulting Pvt. Ltd.
Indian Oil Corporation Ltd.
Ethical Energy Petrochemicals Strategies Pvt. Ltd.
Smart Meter Technology
Satvam Nutrifoods Ltd.
Beta Insights Business Advisory
JK Tyre and Industries Ltd.
Mahanagar Gas Ltd.

India Tobacco Company (ITC) Ltd.
Amrut Energy
Kalpin Wealth Management
Indian Gas Solution
Indian Wealth Management
Indeate Consulting Pvt. Ltd.
Indian Gas Exchange
ESSKSEE Consultancy
Outlook Publishing India Pvt. Ltd (Rajan Raheja Group)
Ethical Energy Petrochemicals Strategies Pvt. Ltd.
JLL / Jones Lang LaSalle
Avenir Software Pvt. Ltd
Knight Frank India Pvt. Ltd.
InterGlobe Aviation Limited (IndiGo Airlines)
Indeate Consulting Pvt. Ltd.
Indian Gas Exchange
Avenir Software Pvt. Ltd
GBR Supermarket LLP
JLL / Jones Lang LaSalle
KPMG
Mr. Mike DuBose International association of drilling contractors
Jamia Hamdard, New delhi, Gautami Tripathi, gautami1489@gmail.com
Geological Survey of India, Natural Energy Resources, Mission-IIB, Kolkata, S.N. Bose National Centre for Basic Sciences (SNBNCBS), Kolkata, West Bengal, Shri Vaishnav Vidyapeeth Vishwavidyalaya (SVVV), Indore, Madhya Pradesh
Caliche Technology
PRL Ahemdabad
Kachchh University
BSIP Lucknow
North Carolina Agriculture and Technical State University Greensboro, NC 27411, USA
Jamia Hamdard, New delhi, Gautami Tripathi, gautami1489@gmail.com
Arbuzov Institute of Organic and Physical Chemistry, FRC Kazan Scientific Centre, Russian Academy of Sciences
Kanoda Energi System, Ahmedabad
Renon India Pvt. Ltd.
University of Stuttgart, Germany
IIT R
Sunway University, Malaysia and PDEU
University of Malaya
Universiti Teknologi PETRONAS, Bandar Seri Iskandar, Malaysia and PDEU
UiTM, Malaysia and PDEU
UPNM, Malaysia and PDEU

University of Tehran, Iran and PDEU
University of Jiroft, Iran and PDEU
UTP Malaysia and PDEU
Central University of Gujarat, Gandhinagar and MLS University, Udaipur, Rajasthan
Department of Chemistry, Korea University, Seoul, 02841 Republic of Korea (+82-2-3290-3139)
IIT Indore
IIT Bombay
Centre for Nano and Material Science (CNMS), Jain University, Jain Global Campus, 562112, Bangalore, Karnataka, India (+91-8530300863)
University of Birmingham, United kingdom
Denmark Technical University, Denmark
IHE Delft Institute for Water Education, Netherland
Centre for Energy, Environment & Technology Research, Spain
LEITAT Technological Center, Spain
Canadore College, North Bay, ON, Canada
Bursa Uludað University, Görükle, Bursa, Turkey
Ben Gurian University, Israel
Aquaporin A S, Denmark
Aquaporin Asia, Singapore
Modus Research and Innovation, UK
Fundacio Centro Technologico de Investigation Multisectorial (CETIM) Spain
School of Chemical Engineering, University of Birmingham, UK
Denmark Technical University, Denmark
Nanyang Technological University, Singapore
Utah State University, USA
Mcmaster University Canada
University of Baque Country, Spain
IITRAM, Ahmedabad
Mcmaster University Canada
South ural university, Russia
University of portsmouth, UK
IIT Gandhinagar
Curtin University, Australia
L.K. Gujral Punjab Technical University
StrautX Technologies LLP,
Khon Kaen University, Thailand
King Fahd University of Petroleum & Minerals, Saudi Arabia
Sacred Heart University, USA
Carbon Clean Ltd. Global Head qr: 2 Eastbourne Terrace Paddington, London, GB, W2 6LG
Department of Bio-Technology, Minstry of Sc and Technology, GOI
Dr. Siddhartha Moulik, Cavitation & Dynamics Lab Dept. of Process Engineering and Technology Transfer (PETT) CSIR-Indian Institute of Chemical Technology Hyderabad-500007

Department of Energy Conversion and Storage, Technical University of Denmark,
Imaging and X-ray Diagnostic Centre (IXS), Institute for Plasma Research (IPR), Gujarat, India
Department of Chemistry, Faculty of Science, King Khalid University, Abha 61413, PO Box 9004, Saudi Arabia
School of Engineering and Applied Science, Ahmedabad University, Ahmedabad -380009, India
Visvesvaraya National Institute of Technology, Nagpur, India. 2. Department of Mathematics, Bule Hora University, Bule Hora, West Guji Zone, Oromia Region, Post Box 144, Ethiopia
Visvesvaraya National Institute of Technology, Nagpur, India.
Department of Ocean Engineering and Naval Architecture, IIT Kharagpur, West Bengal, 721302, India 2. Coastal Management Program, Environment and Life Sciences Research Centre, Kuwait Institute for Scientific Research, P.O. Box 24885, Safat 13109, Kuwait
Department of Ocean Engineering and Naval Architecture, IIT Kharagpur, West Bengal, 721302, India 2 Oceaneering International Services Limited, Chandigarh, India 3. Coastal Management Program, Environment and Life Sciences Research Centre, Kuwait Insti
Department of Ocean Engineering and Naval Architecture, IIT Kharagpur, West Bengal, 721302, India 2. Coastal Management Program, Environment and Life Sciences Research Centre, Kuwait Institute for Scientific Research, P.O. Box 24885, Safat 13109, Kuwait
Oceaneering International Services Limited, Chandigarh, 160101, India 2. Department of Civil Engineering, Bapatla Engineering College, GBC Rd, Mahatmajipuram, Bapatla, 522102, India
Department of Civil Engineering, Bapatla Engineering College, Bapatla, Guntur 522102, Andhra Pradesh, India 2. Oceaneering International Services Limited, Chandigarh 160101, India
3. Department of Water Resources and Ocean Engineering, National Institute
1. Coastal Management Program, Environment and Life Sciences Research Centre, Kuwait 2. Oceaneering International Services Limited, Chandigarh 160101, India
1. Department of Civil Engineering, Bapatla Engineering College, Bapatla, 522102, India 2. Department of Ocean Engineering, IIT Madras, Chennai, 600036, India
1. Department of Ocean Engineering, IIT Madras, Chennai, 600036, India 2. Coastal Management Program, Environment and Life Sciences Research Centre, Kuwait Institute for Scientific Research, P.O. Box 24885, Safat 13109, Kuwait 3. Department of Harbor and
Kumaraguru College of Liberal Arts and Science, Coimbatore
GUJARAT UNIVERSITY UGC-Human Resource Development Centre
Prof. (Dr.) Rajiv V. Shah, T.A.Pai Institute of Management, Manipal University, Manipal (Karnataka)
Dr. Shalin Gopal, Indian Inst. Of Management, Udaipur Dr. Prashant Salwan, Indian Inst. Of Management, Indore Dr. Sushant Mishra, Indian Inst. Of Management, Bengaluru

4. Noteworthy Visitors

John Kerry Secretary of State USA	AdiGodrej Chairman Godrej Group	Jin-Yong Cai CEO, International Finance Corporation	Chanda Kochhar CEO ICICI Bank
Adam Gilchrist Brand Ambassador, University of Wollongong	Mr. Bernard Mazuka Prime Minister Republic of Rwanda	Prof. Q. Yang University of Saskatchewan, Canada	Dr. Bill Wollongong University Australia
Dr. Cheryl Matherly University of Tulsa	Ms. Chelsey Laird Memorial University Canada	Ms. Eleanor University of Cape Breton, Canada	Mr. Fazal Karim Republic of Trinidad & Tobago
Mr. Francisco J. Sanchez Secretary for International Trade, US	Mr. Jaipreet Bindra University of Western Ontario	Jeffrey A. Serfass, President, National Hydrogen Association USA	Jeremy B. Bentham VP, Global Business Environment Royal Dutch Shell, USA

JeffreyA. Serfass, President, National Hydrogen Association,USA	Prof.JohnLee UniversityofHouston	Prof.LouisGoodman AmericanUniversity	MikeHugentobler VP,Halliburton Offshore ServicesInc.
Ms.LiLiu Universityof Regina	Dr.Subrata Chakrabarti WesternOntario	Dr.RichardRedner UniversityofTulsa	AkhilMehrotra Director-Regulations BGIndia

Annexure 5:

Internship Details

Below is the details of number of students who successfully completed their summer internships during 2024-25:

Branch	No. of Students
Undergraduate (B.Tech.)	
Computer Engineering	271
Information and Communication Technology	262
Electronics and Communication Engineering	80
Mechanical Engineering	27 (Automobile) + 129 (Mechanical)
Chemical Engineering	120
Electrical Engineering	51
Civil Engineering	86
Biotechnology	NA
Postgraduate (M.Tech.)	
Artificial Intelligence	9
Power System	4
Cyber Security	6
Data Sciences	12
Construction Technology and Management	14
Environmental Engineering	4

Annexure 6:
Faculty Details

First Name	Last Name	Designation	Appointment Type	Department	UG	PG	Doctorate Degree
Sivaraman	Dhanasekaran	Assistant Professor	Regular	Biotechnology	B.Tech	M.Tech	PhD
Pradeep	Selvadoss	Assistant Professor	Regular	Biotechnology	B.Tech	M.Tech	PhD
Sachidanand	Singh	Associate Professor	Regular	Biotechnology	B.Tech	M.Tech	PhD
Giftson	Senapathy	Assistant Professor	Regular	Biotechnology	B.Tech	M.Tech	PhD
Nisha	Singh	Assistant Professor	Regular	Biotechnology	B.Tech	M.Tech	PhD
PRAVIN	KODGIRE	Associate Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
HIMANSHU	CHOKSI	Assistant Professor	Regular	Chemical Engineering	B.E.	M.Tech	PhD
SUKANTA	DASH	Associate Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
BHARTI	SAINI	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
MANAN	SHAH	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
ASHISH	UNNARKAT	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Manish	Sinha	Associate Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Swapnil	Dharaskar	Associate Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Surendra Sasi	Jampa	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Abhishek	Yadav	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Lubhani	Mishra	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
DADI VENKATA	SURYA	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Abhishek	Gupta	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Ravi	Tejasvi	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
MD.	AURANGZEB	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Subhankar	Roy	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Garima	Mishra	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Saket	Kumar	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Shirsendu	Mitra	Assistant Professor	Regular	Chemical Engineering	B.Tech	M.Tech	PhD
Anirban	Das	Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Manoj Kumar	Pandey	Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Rajib	Bandyopadhyay	Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Indrajit	Mukhopadhyay	Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Ranjan	Pati	Associate Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Tapan	Pal	Assistant Professor	Regular	Chemistry	B.Sc	M.Sc	PhD

Kalisadhan	Mukherjee	Associate Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Busupalli	Balanagulu	Assistant Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Rama	Gaur	Assistant Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Prakash	Chandra	Associate Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Syed	Shahabuddin	Assistant Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Nandini	Mukherjee	Assistant Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Nitin	Chaudhari	Associate Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Anu	Manhas	Assistant Professor	Regular	Chemistry	B.Sc	M.Sc	PhD
Sanjay	Singh	Adhoc Faculty	Adhoc	Chemistry	B.Sc	M.Sc	PhD
Roshni	Kumari	Adhoc Faculty	Adhoc	Chemistry	B.Sc	M.Sc	PhD
Rajesh	Gujar	Associate Professor	Regular	Civil Engineering	B.E.	M.E	PhD
Tejaskumar	Thaker	Associate Professor	Regular	Civil Engineering	B.E.	M.E	PhD
MANAS	BHOI	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
DEBASIS	SARKAR	Professor	Regular	Civil Engineering	B.E.	M.Tech	PhD
NAIMISH	BHATT	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
NIRAGI	DAVE	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
RONAK	MOTIANI	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
ANURAG	KANDYA	Associate Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
DHANANJAYA	RAMANUJACHAR	Associate Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
DAYA	KAUL	Associate Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
DHRUVESH	PATEL	Associate Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
SHOBHIT	CHATURVEDI	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
MANIVEL	M	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Vasudeo	Chaudhari	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Uma	Chaduvula	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Shabiimam	MA	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Ayyanna	Habal	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Ankit	Deshmukh	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Pranav	Peddinti	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD
Mahesh	Jallu	Assistant Professor	Regular	Civil Engineering	B.Tech	M.Tech	PhD

DARSHIT	SHAH	Assistant Professor	Regular	Computer Science & Engineering	B.Com	MBA	PhD
SAMIR	PATEL	Associate Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Nishant	Doshi	Associate Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Santosh	Bharti	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Payal	Chaudhari	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Rutvij	Jhaveri	Associate Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Shakti	Mishra	Associate Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Rajeev	Gupta	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Kaushal	Shah	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Debabrata	Swain	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Amitava	Choudhury	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Manish	Paliwal	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Hargeet	Kaur	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Sonam	Nahar	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Tanmay	Bhowmik	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Aditya	Shastri	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Shilpa	Pandey	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Shivangi	Surati	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Hiren	Thakkar	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Yogesh	Kumar	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Chintan	Bhatt	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Kapil	Sharma	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Pooja	Shah	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Ketan	Sabale	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Rajendra	Choudhary	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Vipul	Mishra	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Meera	Khanna	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Krishna	Brahmbhatt	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.Tech	M.Tech	PhD
Soham	Vyas	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.Tech	M.Tech	PhD
Aashka	Raval	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.Tech	M.Tech	PhD

Himanshu	Gajera	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.Tech	M.Tech	PhD
Ritiksha	Modi	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.Tech	M.Tech	PhD
Komal	Singh	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.Tech	M.Tech	PhD
Nitesh	Funde	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Nandini	Modi	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Davinder	Singh	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Archana	Nigam	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Abhinav	Sharma	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Rahul	Dubey	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Amit	Singh	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Himanshu	Gajera	Assistant Professor	Regular	Computer Science & Engineering	B.E.	M.Tech	PhD
Sidheswar	Routray	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Prarthana	Mehta	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.E.	M.E.	PhD Pursuing
Ashutosh	Tripathi	Assistant Professor	Regular	Computer Science & Engineering	B.E.	M.Tech	PhD
Riddhiben	Thakkar	Adhoc Faculty	Adhoc	Computer Science & Engineering	B.E.	M.Tech	PhD
Santanu	Roy	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.Tech	PhD
Utkarsh	Tiwari	Assistant Professor	Regular	Computer Science & Engineering	B.E.	M.Tech	PhD
Punit	Gupta	Assistant Professor	Regular	Computer Science & Engineering	B.E.	M.Tech	PhD
Sujit	Das	Assistant Professor	Regular	Computer Science & Engineering	B.Tech	M.E.	PhD
ANILKUMAR	MARKANA	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
VIVEK	PANDYA	Professor	Regular	Electrical Engineering	B.E.	M.E	PhD
SIDDHARTH	JOSHI	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
JITENDRA	JAMNANI	Associate Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
LEENA	SANTOSH	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
VIPIN	SHUKLA	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
TAMMABATTU LA	VENKATA PAVAN KUMAR	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
NIRAV	KARELIA	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
VIMA	MALI	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
AMIT	SANT	Associate Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
Pragnesh	Bhatt	Associate Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD

Bhinalkumar	Mehta	Assistant Professor	Regular	Electrical Engineering	B.E.	M.E	PhD
Vaidehi	Deshpande	Assistant Professor (On Contract)	Contractual	Electrical Engineering	B.E.	M.E	PhD Pursuing
Alok	Jain	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
Kaibalya	Panda	Assistant Professor	Regular	Electrical Engineering	B.Tech	M.Tech	PhD
Nilesh	Chothani	Assistant Professor	Regular	Electrical Engineering	B.E.	M.E	PhD
Pallab	Nath	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Rahul	Kumar	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Parth	Thakar	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Rahul	Pal	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Amit	Kumar	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Amit	Kumar	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Deepak	Jarwal	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Bibhas	Manna	Assistant Professor	Regular	Electronics & Communication Engineering	B.Tech	M.Tech	PhD
Abhishek	Ray	Adhoc Faculty	Adhoc	Electronics & Communication Engineering	B.E.	M.Tech	PhD
GANGA	PANDEY	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.E	PhD
Jigarkumar	Shah	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Paawan	Sharma	Associate Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Mohendra	Roy	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Pradip	Barik	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Devlina	Adhikari	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Vivek	Pandit	Assistant Professor	Regular	Information and Communication Technology	B.E.	M.Tech	PhD
Santosh	Satapathy	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Nitin	Rajput	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Ankur	Changela	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Manish	Mandloi	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Hardik	Vyas	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Soumyashree	Panda	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Ritesh	Vyas	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Gunjan	Thakur	Adhoc Faculty	Adhoc	Information and Communication Technology	B.Tech	M.Tech	PhD
Deepak	Sahu	Adhoc Faculty	Adhoc	Information and Communication Technology	B.Tech	M.Tech	PhD

Kamal	Garg	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Manoj	Yadav	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Shivangi	Mehta	Adhoc Faculty	Adhoc	Information and Communication Technology	B.Tech	M.Tech	PhD
Aartiben	Solanki	Adhoc Faculty	Adhoc	Information and Communication Technology	B.Tech	M.Tech	PhD
Abhishek	Joshi	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Abhishek	Kumar	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Arpan	Desai	Assistant Professor	Regular	Information and Communication Technology	B.E.	M.Sc	PhD
Gunjan	Thakur	Assistant Professor	Regular	Information and Communication Technology	B.E.	M.Tech	PhD
Mahesh	Kumar	Assistant Professor	Regular	Information and Communication Technology	B.Tech	M.Tech	PhD
Deepak	Sahu	Assistant Professor	Regular	Information and Communication Technology	B.E.	M.Tech	PhD
Rashmi	Bhattad	Adhoc Faculty	Adhoc	Information and Communication Technology	B.E.	M.E.	PhD Pursuing
Kirti	Sharma	Adhoc Faculty	Adhoc	Information and Communication Technology	B.Tech	M.Tech	PhD
Anand	Singh	Assistant Professor	Regular	Information and Communication Technology	B.E.	M.Tech	PhD
Bablu	Singh	Assistant Professor	Regular	Information and Communication Technology	B.E.	M.Tech	PhD
TAJINDER PAL	SINGH	Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
JWNGSAR	BRAHMA	Associate Professor	Regular	Mathematics	B.Sc	M.Sc/M.Tech	PhD
POONAM	MISHRA	Associate Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
MD. SHARIFUDDIN	SHARIFUDDIN	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
SHOBHIT	NIGAM	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
BHASHA	VACHHARAJA NI	Associate Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
BRAJESH	JHA	Associate Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
MANOJ	SAHNI	Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
DISHANT	PANDYA	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Ankush	Raje	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Neelam	Singha	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Pritam	Kocherlakota	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Punit	Jain	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Priyanka	Singh	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Shreekant	Varshney	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Ankur	Singh	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD
Vishakha	Jadaun	Assistant Professor	Regular	Mathematics	B.Sc	M.Sc	PhD

Ishaben	Talati	Adhoc Faculty	Adhoc	Mathematics	B.Sc	M.Sc	PhD
Anupam	Priamvada	Adhoc Faculty	Adhoc	Mathematics	B.sc.B. Ed.	M.Sc	PhD
Adeeba	Umar	Adhoc Faculty	Adhoc	Mathematics	B.Sc	M.Sc	PhD
VISHVESH	BADHEKA	Professor	Regular	Mechanical Engineering	B.E.	M.E	PhD
JATIN	PATEL	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
SURENDRA	KACHHWAHA	Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
JAYDEEP	PATEL	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
RAJESHKUMAR	PATEL	Professor	Regular	Mechanical Engineering	B.E.	M.E	PhD
NAGABABU	GARLAPATI	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
ABHISHEK	KUMAR	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
NIRAVKUMAR	PATEL	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
KIRAN	MYSORE	Associate Professor	Regular	Mechanical Engineering	B.E.	M.E	PhD
ANURAG	MUDGAL	Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
RAKESH	CHAUDHARI	Assistant Professor	Regular	Mechanical Engineering	B.E.	M.Tech	PhD
PARTH	PRAJAPATI	Assistant Professor	Regular	Mechanical Engineering	B.E.	M.Tech	PhD
SRINIVAS	ABHINAYA	Assistant Professor (On Contract)	Contractual	Mechanical Engineering	B.Tech	M.Tech	PhD
RAHUL	DEHARKAR	Assistant Professor	Regular	Mechanical Engineering	B.E.	M.Tech	PhD
KRUNAL	MEHTA	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
KISHAN	FUSE	Assistant Professor	Regular	Mechanical Engineering	B.E.	M.Tech	PhD
PAVAN	GURRALA	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.E	PhD
JAYKUMAR	VORA	Assistant Professor	Regular	Mechanical Engineering	B.E.	M.Tech	PhD
VINAY	VAKHARIA	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
ANKUR	CHAURASIA	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
VIVEK	PATEL	Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Ravi	Kant	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Ramesh	Guduru	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Rajat	Saxena	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Anirudh	Kulkarni	Assistant Professor	Regular	Mechanical Engineering	B.Tech		PhD
Manjeet	Keshav	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Nanji	Hadia	Associate Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Hiren	Dave	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD

Vivek	Jaiswal	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Pravesh	Kumar	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Ojas	Satbhai	Assistant Professor	Regular	Mechanical Engineering	B.Tech	M.Tech	PhD
Saurabh	Tiwari	Adhoc Faculty	Adhoc	Mechanical Engineering	B.E.	M.E.	PhD
Vishal	Vyas	Assistant Professor (On Contract)	Contractual	Mechanical Engineering	B.E.	M.Tech	PhD
Manish	Kumar	Assistant Professor	Regular	Nuclear Engineering	B.Tech	M.Tech	PhD
ABHIJIT	RAY	Professor	Regular	Physics	B.Sc	M.Sc	PhD
BHARATKUMAR	PAREKH	Associate Professor	Regular	Physics	B.Sc	M.Sc	PhD
BALAMURLI KRISHNA MAYYA K.		Associate Professor	Regular	Physics	B.Sc	M.Sc	PhD
BRIJESH	TRIPATHI	Associate Professor	Regular	Physics	B.Sc	M.Sc	PhD
MANOJKUMAR		Professor	Regular	Physics	B.Sc	M.Sc	PhD
ROHIT	SRIVASTAVA	Associate Professor	Regular	Physics	B.Sc	M.Sc	PhD
SATYAM	SHINDE	Associate Professor	Regular	Physics	B.Sc	M.Sc	PhD
Pankaj	Yadav	Associate Professor	Regular	Physics	B.Sc	M.Sc	PhD
Prahlad	Baruah	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Sheetal	Rawat	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Ankur	Solanki	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Abhishek	Gor	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Anup	Sanchela	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Mansi	Dhuria	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Apoorva	Bhatt	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD
Mayank	Gupta	Assistant Professor	Regular	Physics	B.Sc	M.Sc	PhD

ANNEXURE – 7

Classroom Photograph



Computer Center Facilities



Library Facilities



Auditorium – Picture is wrong



Cafeteria– Picture is wrong



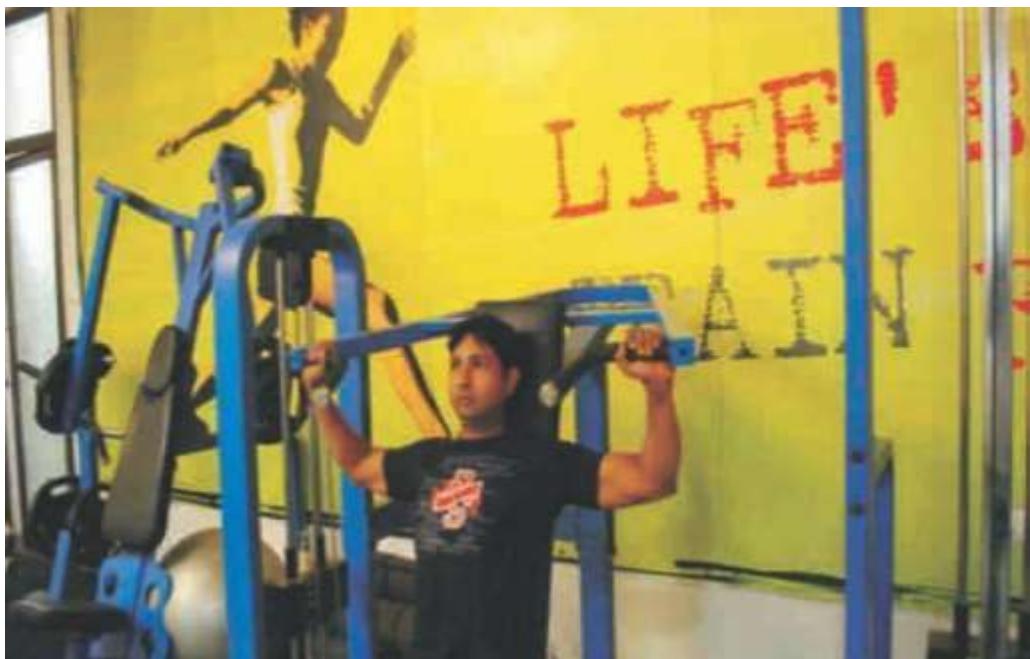
Indoor Sports Facilities



Outdoor Sports Facilities



Gymnasium



Facilities for Disabled



Boys and Girls Hostel



Medical Facilities



ANNEXURE-8

Laboratory Facilities

Index for Institutional Facilities



Materials Fabrication Lab



XRD Lab



SEM Lab



Instrumentation Lab



Environmental Engineering Lab



Computer Aided Design Lab



CBBS_Characterization Reseach Lab



Additive Maufacturing Lab



Chemical Engg Electrosprinnig Lab



Oven and Muffle Furnace



Glove Box



Thermal Evaporator



Raman Characterization Lab.



Chemical Reaction Engineering Laboratory



Chemical Process Technology Lab



Equipment List

CHEMICAL PROCESS AND TECHNOLOGY

S.NO	ITEM NAME	STOCK/ASSET NUMBER	EQUIPMENT
1	Precision weighing balance (1mg-250g)	PDPU/SOT/CHEM EGG/CPT/2013-14/01	
2	Precision weighing balance (10mg-2000gm)	PDPU/SOT/CHEM EGG/CPT/2013-14/02	
3	Round vacuum oven with pump	PDPU/SOT/CHEM EGG/CPT/2013-14/03	
4	Digital colorimeter	PDPU/SOT/CHEM EGG/CPT/2013-14/04	
5	Heating oven (HA-0254)	PDPU/SOT/CHEM EGG/CPT/2013-14/05	
6	Muffle furnace	PDPU/SOT/CHEM ENGG/CPT/2013-14/06	
7	Steam heating bath	PDPU/SOT/CHEM EGG/CPT/2013-14/07	

8	Sand bath	PDPU/SOT/CHE EGG/CPT/2013-14/08	
9	Heating mental- 100ml	PDPU/SOT/CHE EGG/CPT/2013-14/9a,b	
10	Heating mental-500ml	PDPU/SOT/CHEM/ENGG/CPT/2013-14/10a,b	
11	Heating mental- 1000ml	PDPU/SOT/CHE EGG/CPT/2013-14/11	
12	Heating hot water bath	PDPU/SOT/CHEM EGG/CPT/2013-14/12a,b	
13	Mono quartz water distillation assembly	PDPU/SOT/CHEM EGG/CPT/2013-14/13	
14	Magnetic stirrer with hot plate-2MLH(lit)	PDPU/SOT/CHEM EGG/CPT/2013-14/14a,b	
15	Magnetic stirrer with hot plate-5MLh(lit)	PDPU/SOT/CHEM EGG/CPT/2013-14/15a,b	

16	Cylindrical heating Oil bath	PDPU/SOT/CHEM EGG/CPT/2013-14/16	
17	Big hot plate (HP-569)	PDPU/SOT/CHEM EGG/CPT/2013-14/17	
18a	Bench Top pH meter kit with accessories	PDPU/SOT/CHEM EGG/CPT/2013-14/18a	
18b	Bench Top pH meter kit with accessories	PDPU/SOT/CHEM EGG/CPT/2013-14/18b	
19a	Bench top conductivity/TDS analyzer with accessories	PDPU/SOT/CHEM EGG/CPT/2013-14/19a,b	
18	Karl Fischer titrator	PDPU/SOT/CHEM EGG/CPT/2013-14/20	
21	Digital Magnetic Stirrer-IKA	PDPU/SOT/CHEM EGG/CPT/2017-18/01	

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CONCRETE TECHNOLOGY LABORATORY

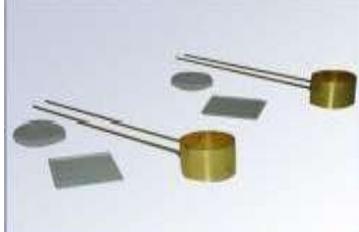
Detailed list of instruments:

Sr. No.	Name of Item	Unit	Qty.	Figure
1	Length Guage	No's	3	
2	Thickness Guage	No's	3	
3	Density Bucket	No's	2	
4	Bulk Density Cylindrical Measure(10 ltr)	No's	2	
5	Bulk Density Cylindrical Measure(3 ltr)	No's	2	

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6	Coarse Sieve Set	No's	2	
7	Fine Sieve Set	No's	2	
8	Slump Test Apparatus	No's	4	
9	Concrete Test Hammer	No's	1	
10	Vicat Needle Apparatus	No's	3	

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CONCRETE TECHNOLOGY LABORATORY

11	Le Chateleer Mould	No's	3	
12	Measure Cylinder Glass (1000 ml)	No's	4	
13	Compaction Factor Apparatus	No's	1	
14	Beam Mould (150×150×700 mm)	No's	2	
15	Cube Mould 15 cm	No's	2	

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16	Vibrating Table(50×50 cm)	No's	1	
17	Compression Testing Machine 2000 KN (Digital)	No's	1	
18	Flexural Testing Machine	No's	1	
19	Concrete Mixer	No's	1	
20	Sieve Brush	No's	1	
21	Aggregate Crushing Value Test	No's	1	

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22	Los Angeles Abrasion Testing Machine	No's	1	
23	Constant Temperature Water Bath	No's	1	
24	Aggregate Impact Testing Machine	No's	1	
25	Cylindrical Mould	No's	5	
26	Dial Gauge	No's	3	
27	Stop Watch	No's	6	

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28	Flow Table	No's	1	
29	Sieve Shaker (Mechanical)	No's	1	
30	Hand Tools	No's	1	
31	Buoyancy Balance	No's	1	
32	Vibrating Machine	No's	1	

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CONCRETE TECHNOLOGY LABORATORY

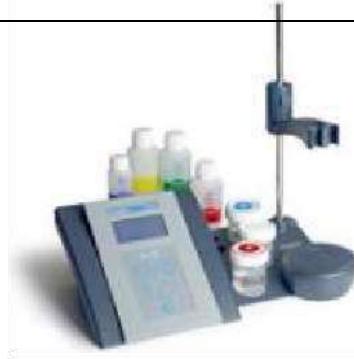
33	Cube Mould (7.06 cm)	No's	12	
34	Cube Mould (5.00 cm)	No's	12	
35	Platform Scale 1000 kg	No's	1	
36	Hydraulic Jack	No's	1	
37	Accelerated Curing Tank	No's	1	
38	Dial Gauge (Digital)	No's	3	

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CONCRETE TECHNOLOGY LABORATORY

39	Stainless Steel Water Retention Tray	No's	12	
40	Concrete Permeability	No's	1	
41	Ultrasonic Pulse Velocity Tester	No's	1	
42	Digital Mortar Mixture (4.75lit)	No's	1	
43	Beam Mould (150×150×700 mm)	No's	10	

DEPARTMENT OF CIVIL ENGINEERING
ENVIRONMENTAL ENGG. LABORATORY

Detailed list of instruments:

Sr. No.	Name of Item	Unit	Qty.	Figure
1	Bench top PH meter kit	No's	03	 A bench-top pH meter kit. It includes a digital pH meter with a color display screen, a pH electrode probe, and several small bottles of calibration and buffer solutions.
2	Battery Operated Portable Turbidity meter	No's	02	 A handheld, battery-operated turbidity meter. It has a digital display showing a reading of 0.10 NTU and a keypad with several buttons.
3	Battery Operated Portable Dissolved Oxygen meter	No's	03	 A handheld, battery-operated dissolved oxygen meter. It features a digital display and a probe connected by a cable.
4	Portable Hand-Held TSS Meter	No's	01	 A handheld, battery-operated Total Suspended Solids (TSS) meter. It has a digital display and a probe connected by a cable.

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ENVIRONMENTAL ENGG. LABORATORY

5	UV-Visible Spectro Photometer	No's	01		
6	Bench Top Conductivity lab kit	No's	03		
7	COD Reactor	No's	01		
8	BOD Track Apparatus	No's	01		
9	BOD Incubator	No's	01		

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10	Electronic Precision Balance	No's	01	
11	Electronic Precision Balance up to 2000 gm Capacity	No's	01	
12	Muffle Furnace with Thermo-Static Control	No's	01	
13	Fine Particulate sampler Envirotech (Dust samplers)	No's	01	
14	Fully Automatic Vertical Autoclave Digital	No's	01	

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ENVIRONMENTAL ENGG. LABORATORY

15	Jar Test Appratus	No's	01	
16	Laminar Air Flow Bench	No's	01	
17	Orbital Shaker	No's	01	
18	Sound Level Meter	No's	01	
19	Over Head Stirrer	No's	02	

DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

Detailed list of instruments:

Sr. No.	Name of Item	Unit	Qty.	Figure
1	Core Cutter with Dolly & Rammer	No's	1	 A photograph showing a long, thin blue cylindrical core cutter standing upright, with a smaller blue cylindrical dolly and a small brass-colored ring lying next to it on a light-colored surface.
2	Sand Pouring Cylinder Medium	No's	1	 A photograph of a blue cylindrical sand pouring apparatus. It consists of a tall vertical cylinder with a smaller cylinder nested inside it, and a blue base plate with a circular opening.
3	Plastic Limit Device	No's	1	 A photograph of a wooden carrying case for a plastic limit device. Next to the case are various accessories: a white bowl, a white bottle with a red cap, a small white cup, a wooden spatula, a metal tray, and several small metal containers.
4	Shrinkage Limit Set	No's	1	 A photograph of a black carrying case for a shrinkage limit set. The case is open, showing various tools and components inside, including a blue tray and several small metal weights.

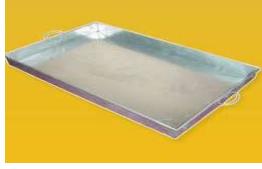
DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

5	Soil Hydrometer with jar	No's	1	
6	Liquid Limit Device (HandOperated)	No's	1	
7	Proctor Mould 100mm	No's	1	
8	Rammer (2.6kg)	No's	1	
9	Proctor Mould 150mm	No's	1	
10	Rammer (4.89kg)	No's	1	
11	Stop watch (mechanical)	No's	1	

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GEOTECHNICAL ENGINEERING LABORATORY

14	Hot air oven	No's	1	
15	Extractor Frame (Hydrolic type)	No's	1	
16	Consolidation Apparatus single gang	No's	1	
17	Fine Sieve	No's	20	

DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

27	Two Pan Balance (5kg)	No's	1	
28	G.I. Tray (200×200×25mm)	No's	5	
29	G.I. Tray (1000×1000×50mm)	No's	4	
30	G.I. Tray (1000×1500×50mm)	No's	4	
31	G.I. Tray (300×450×50mm)	No's	5	
32	Moisture Can (50×50mm)	No's	50	
33	Moisture Can (75×50mm)	No's	50	
34	Sieve Brush	No's	2	

DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

35	Unconfined Compression Tester (Motorised cum Hand Operated)	No's	1	
36	Electronic Balance (0.1gm to15kg)	No's	1	
37	Electronic Balance (0.01gm to4100gm)	No's	1	
38	C.B.R. Testing Machine	No's	1	
39	Triaxial Test Apparatus	No's	1	
40	Standard Penetration Test Apparatus	No's	1	

DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

41	Plate Bearing Test Apparatus	No's	1		
42	Measuring Cylinder glass(2000 ml)	No's	4		
43	Direct Shear Appartus	No's	1		
44	Proctor Needale	No's	1		
45	hot plate	No's	1		
46	Triaxial Test Apparatus(New)	No's	1		

DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

47	Laboratory Vane Shear Apparatus(Motorised)	No's	1	
48	Consolidation Test Apparatus(Three Ganged)Manual	No's	1	
49	Soil Cone Penetrometer (Digital Type)	No's	1	
50	Swell Test Apparatus	No's	1	

DEPARTMENT OF CIVIL ENGINEERING
GEOTECHNICAL ENGINEERING LABORATORY

51	Proving Ring 1 KN	No's	1	
52	Proving Ring 10 KN	No's	1	
53	Proving Ring 100 KN	No's	1	
54	Proving Ring 200 KN	No's	1	
55	Proving Ring 500 KN	No's	1	
56	Proving Ring 1000 KN	No's	1	
57	Proving Ring 3000 KN	No's	1	
58	Load Cell (5 Ton)	No's	1	

DEPARTMENT OF CIVIL ENGINEERING
SURVEYING LABORATORY

Detailed list of instruments:

Sr. No.	Name of Item	Unit	Qty.	Figure
1	Chain 20m	No's	7	
2	Chain 20m	No's	4	
3	Tape 20m	No's	2	
4	Tape 30m	No's	2	
5	Steel Arrow	No's	48	
6	Plum Bob	No's	4	
7	Wooden Peg	No's	10	

DEPARTMENT OF CIVIL ENGINEERING
SURVEYING LABORATORY

8	Prismatic Compass with Stand	No's	8	
9	Surveyor Compass with Stand	No's	6	
10	Auto Levelwith Stand	No's	1	
11	Line Ranger	No's	7	
12	Optical Square	No's	11	
13	French Cross Staff	No's	10	

DEPARTMENT OF CIVIL ENGINEERING
SURVEYING LABORATORY

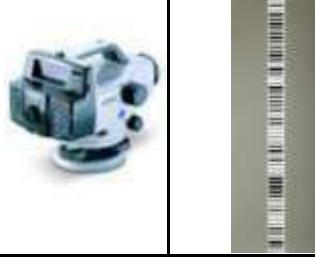
14	Open Cross Staff	No's	10	
15	Telescopic Staff	No's	12	
16	Alidade set	No's	6	
17	Plane Table with Stand	No's	4	
18	Ranging Rod	No's	20	
19	Dumpy Level with Stand	No's	1	
20	Dumpy Level with Stand	No's	1	
21	Planimeter	No's	1	
22	Theodolite with Stand	No's	1	

DEPARTMENT OF CIVIL ENGINEERING
SURVEYING LABORATORY

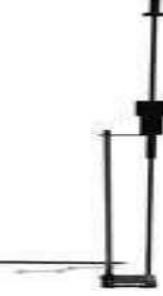
23	Total Station with Stand, Prizem, Object Plate, Target Rod Set	No's	2	
24	Ranging Rod(2m 2folds,screw Type)	No's	14	
25	Ranging Rod(3m 3folds,screw Type)	No's	10	
26	Wooden Pegs	No's	20	
27	Chain 20m	No's	6	

28	Chain 30m	No's	3	
29	Chain30m	No's	3	
30	Tape 30m	No's	5	
31	Tape 20m	No's	5	
32	Tape 100m	No's	2	

33	Plane Table with Stand (with foot screw and complete set)	No's	6	
34	Vernier Theodolite	No's	2	
35	Auto Level Sokkia B- 40	No's	5	
36	Plumb Bob	No's	5	
37	Digital Planimeter Sokkia KP90N	No's	2	

38	Digital Distance meter BOSCH 250VF	No's	1	
39	Sokkia Orion+Digital Level with Sokkia BAS55 staff and Heavy Duty Aluminium Stand	No's	1	
40	Telescopi cAlidade	No's	2	
41	Global Position System Set (GPS) with 5nos. Router	No's	1	

DEPARTMENT OF CIVIL ENGINEERING
TRANSPORTATION ENGINEERING LABORATORY

Sr. No.	Name of Item	Unit	Qty.	Figure
1	Specific Gravity Bottle	No's	6	
2	Standard Penetrometer	No's	1	
3	Pavement Dynamic Cone Penetrometer	No's	1	
4	Ring And Ball Apparatus	No's	1	
5	Thermometer	No's	3	

6	Cleaveland Flash & Fire Point Test Apparatus	No's	1	
7	Standard Tar Viscometer	No's	1	
8	Benkelman Beam	No's	1	
9	Electronic Balance (5 kg)	No's	1	
10	Briquette Mould	No's	6	
11	Digital Ductility Testing Machine	No's	1	
12	Pensky-Martens Closed Cup Tester	No's	1	
13	Standard Penetrometer	No's	1	

14	Ring And Ball Apparatus	No's	1	
15	Pensky-Martens Closed CupTester	No's	1	
16	Cleaveland Flash & Fire PointTest Apparatus	No's	1	
17	Standard Tar Viscometer	No's	1	
18	Temp. Controlled Water Bath	No's	1	
19	Digital Modified Marshall Apparatus	No's	1	
20	Pavement Core Drilling Machine	No's	1	
21	Centrifuge Extractor Electrically Operated(1500gm.)	No's	1	

DEPARTMENT OF BIOTECHNOLOGY
(Providing Engineering Solutions for Health Care Sector)

Serial No.	Instrument	Laboratory Utilized and Specifications	Application
1.	 Ice Cube maker (ICE Matic)	Molecular biology Specification: ✓ Capacity: 25 Kg	1. DNA extraction 2. RNA extraction
2.	 Orbital shaker (DBK)	Microbiology Specifications: ✓ Capacity: 16*500ml flask ✓ Temperature Range: 5°C-60°C (Resolution 0.1°C) ✓ RPM Display: Digital ✓ Shaking Speed: Variable speed from 20 RPM to 250 RPM	1. Culturing micro-organisms 2. Fermentation process.
3.	 Bench top autoclave	Microbiology/Molecular biology Specifications: ✓ 12 x12 inch Stainless Steel Electric Autoclave, ✓ Capacity: 21 L	1. Sterilization of laboratory equipment. 2. Preparation of culture media.
4.	 Refrigerated centrifuge	Molecular biology Specifications: ✓ Max Capacity: 4x1000ml ✓ Maximum Speed: Above 15000 RPM ✓ Maximum RCF : 25000 to 26000 xg	1. Separation of biological samples. 2. Pelleting of Cells or Organelles
5.	 Cold Cabinet (Trufrost VC-200)	Microbiology/Molecular biology / Biochemistry Specifications: ✓ Temperature range 2°C to 12 °C ✓ 660 x 655 x 450 mm	1. Long-Term storage of temperature-sensitive samples. 2. Preservation of perishable lab stocks.

6.	 Analytical balance (Scale Tec)	Microbiology/ Biochemistry Specifications: <ul style="list-style-type: none"> ✓ 200G/0.001G-Max capacity ✓ 200g ✓ Tare range -200g. ✓ Repeatability 0.002g ✓ Readability 0.001g 	1. High-Precision measurement. 2. Preparation of reagents and standards.
7.	 Bacteriological incubator (SSI-004)	Microbiology Specification: <ul style="list-style-type: none"> ✓ Capacity: 45L ✓ Chamber size: 350X350X350 mm 	1. Cultivation of microbial cultures. 2. Incubation of test samples.
8.	 Weighing balance	Microbiology/Biochemistry/Molecular biology Specifications: <ul style="list-style-type: none"> ✓ Accuracy: 10 mg ✓ Dimensions: 19 cm*25.8cm*7cm ✓ Range- 0.1-200 g ✓ Digital display 	1. General-purpose weighing. 2. Basic sample measurement
9.	 Colorimeter (Bhavna India)	Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Benchtop Digital Photo Colorimeter, ✓ 400-700 nm, ✓ Filter: 5 High Standard Filter ✓ Accuracy: \pm 0.02 O.D. ✓ Reproducibility:\pm0.01O.D 	1. Quantitative measurement of biomolecules. 2. Monitoring enzyme reactions and cellular processes.
10.	 Bench top centrifuge (Bhavna India)	Molecular biology Specifications: <ul style="list-style-type: none"> ✓ Speed up to 13,200 rpm, ✓ Maximum rotor capacity: 24 x 1.5 ml tubes 	1. Separation of biological components. 2. Preparation of samples for analysis.

11.	 Laminar air flow hood (Bhavna India)	Microbiology Specifications: <ul style="list-style-type: none"> ✓ Size: 680x410x1160 mm ✓ Digital display ✓ HEPA filter, UV Lamp 	1. Protection of cultures from environmental contaminants. 2. Safe handling of hazardous materials.
12.	 Magnetic stirrer with hotplate (Bhavna India)	Molecular biology Specifications: <ul style="list-style-type: none"> ✓ Top Plate: 180 x 180 mm ✓ Temperature range of top plate: Up to 200°C ✓ Stirring speed: Up to 2200 RPM 	1. Uniform mixing of reagents 2. Simultaneous heating and stirring of solutions.
13.	 Bunsen burner	Microbiology Specifications: <ul style="list-style-type: none"> ✓ Nickel plated burner tube 100 x 12 mm, ✓ with adjustable screwed air regulator, ✓ rifled connector, ✓ mounted on a stove enamelled, pressed steel wide base of 80 mm diam. ✓ Overall height 125 mm. With one spare jet. 	1. Sterilization of lab equipment. 2. Heat source for chemical experiments.
14.	 Microscope (Bhavna India)	Microbiology/Human anatomy and physiology/Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Magnifications: 4x, 10x, 40x and 100x 	1. Examination of specimens. 2. Analysis of samples at high magnification. 3. Visualization of cellular structures.

15.	 pH meter (SSI)	Biochemistry/Molecular biology Specifications: <ul style="list-style-type: none"> ✓ pH range: 0-14 ✓ Digital display 	1. Measurement of pH levels. 2. Calibration of solutions.
16.	 Vortex(Bhavna India)	Molecular biology/Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Shaking Stroke: 4 mm ✓ Speed Range: Up to 2000 RPM 	1. Mixing solutions. 2. Resuspending particles or cells.
17.	 Water bath (Bhavna India)	Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Capacity: 12L ✓ Temperature range- 5 - 99°C 	1. Gentle heating of samples. 2. Temperature control for reactions.
18.	 Uv- Transilluminator (Bhavna India)	Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Wavelength: 302 & 365nm ✓ UV Tubes: 11 x 8W 	1. Visualization of nucleic acids. 2. Quantification of bands. 3. Gel Imaging.
19.	 Binocular Microscope (Bhavna India)	Human Anatomy Lab /Microbiology/Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Three objectives 10x,40x,100x 	1. Observation of cells and tissues. 2. Pathological Analysis 3. Educational Purposes

20.	 Neubauer Counting chamber ROHEM	Human Anatomy Lab Specifications: <ul style="list-style-type: none"> ✓ Cell Depth: 0.100mm+/-2% (1/10mm) ✓ Volume: 0.1 Microliter ✓ Ruling Pattern: Improved Neubauer, 1/400 Square mm 	1. Cell Counting in blood or tissue samples 2. Quantification of different types of cells, such as red blood cells, white blood cells, and platelets.
21.	 Medicinal chemistry analyzer (AGD Biomedicals (P) Ltd)	Human Anatomy Lab/Biochemistry Specifications: <ul style="list-style-type: none"> ✓ Flow cell :18ul/32ul ✓ Aspiration Volume: 2.0 ml to 1.0ml ✓ Cuvette volume: 2.5ml ✓ Memory: 196 programs, 5000 test records with Reaction Curve 	1. Screening and analysis of chemical compounds 2. Precise measurement of drug concentration and interaction within biological systems.
22.	 Inverted microscope with camera (Bhavna India)	Microbiology/Biochemistry/Human-anatomy lab Specifications: <ul style="list-style-type: none"> ✓ Magnification: 40X to 100X ✓ Long working distance objectives ✓ Sensor type: CMOS sensors 	1. Live Cell Imaging 2. Tissue culture analysis 3. Documentation and analysis. 4. Designed to observe samples from below, making them ideal for cell cultures in petri dishes or flasks.
23.	 Trinocular Microscope with camera (Bhavna India)	Microbiology/Biochemistry/Human-anatomy lab Specifications: <ul style="list-style-type: none"> ✓ Magnification: Between 40X and 1500X achieved through interchangeable objectives. ✓ Higher megapixel resolution ✓ CMOS sensors are common, with megapixel resolution ranging from 3.0 to 5.0 	1. Simultaneous observation and Imaging. 2. Detailed image analysis
24.	 Desiccator (Patel Scientific Instruments)	Biological labs Specifications: <ul style="list-style-type: none"> ✓ Durable and resistance to Materials. ✓ Diameters typically range from 150 to 300 mm 	1. Drying and storing samples. 2. Protecting sensitive chemicals 3. Storing heated samples 4. Maintaining vacuum or atmospheric pressure

25.	 Deep freezer(Patel scientific instruments)	Microbiology lab/ Molecular biology lab/Immunology/Human anatomy lab Specifications: <ul style="list-style-type: none"> ✓ Temperature: -20 degree ✓ Capacity: 125 Ltr 	<ol style="list-style-type: none"> 1. Storing blood samples, vaccines, and other medical specimens. 2. Preserving biological samples like enzymes, proteins, and cells used in research 3. Storing bacteria and other microbes for research
26.	 Ultra sonic cleaner (PSI-074)	Biologicals labs Specifications: <ul style="list-style-type: none"> ✓ Size: 6.5 Ltr ✓ Complete S.S 	<ol style="list-style-type: none"> 1. Remove contaminants like blood, proteins, and other biological material from instruments and glassware without damaging them
27.	 Vaccum pump (PSI-077)	Biological labs Specifications: <ul style="list-style-type: none"> ✓ Size: 25 Ltr ✓ Single stage 	<ol style="list-style-type: none"> 1. Removing solvents and water from bioproducts like proteins and enzymes to preserve them for storage. 2. Concentrating solutions of biological molecules by evaporating excess solvent. 3. Degasification: Removing dissolved gases from solutions to prevent unwanted reactions or foaming.



DEPARTMENT OF CIVIL ENGINEERING
TRANSPORTATION ENGINEERING LABORATORY

Thermal Engineering



IC ENGINE, Eddy-current Dynamometer



Wind tunnel



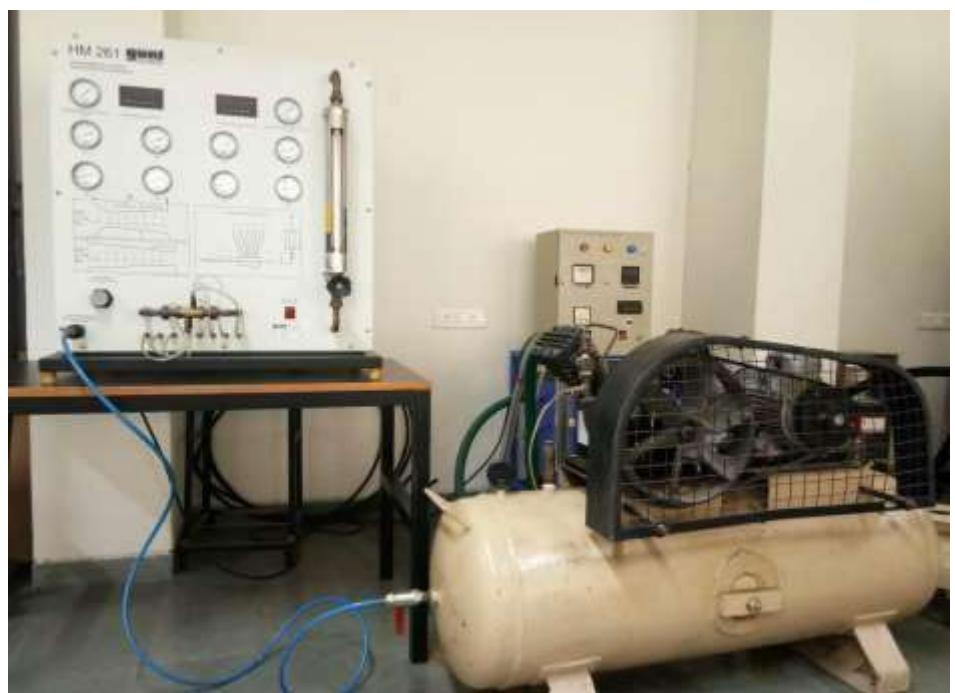
Parabolic Through Collector



Kaplan Turbine



Axial Fan Module



Nozzle Pressure Distribution System



Computerize VCR System



Flat plate collector, In-Door Simulator

Manufacturing Engineering



Wire Cut EDM Machine



Hot Tensile Testing Machine



Advanced Band Saw Machine



Wear Testing Machine



Vickers Hardness Tester



TIG Welding Machine



Plasma Welding Machine



MIG Welding Machine



Modeling & Simulation Laboratory

Vibration Analyzer



Design Engineering

Centre Of Excellence



Automation Machining Center



VMC Machine



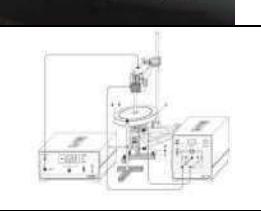
3D Printing Machine for Rapid Prototyping

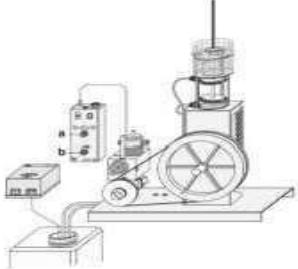


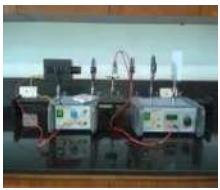
Siemens Controller 828D

PANDIT DEENDAYAL ENERGY UNIVERSITY
SCHOOL OF TECHNOLOGY
PHYSICS LABORATORY

Sr. No.	Name of Instrument	Qty.	Dead Stock Number /Asset Number	Figure
1	Laboratory oscilloscope	4	Phy/spt/2007-08/01	
2	Function generator	4	Phy/spt/2007-08/02	
3	Michelson interferometer	1	Phy/spt/2007-08/03	
4	Newton's ring	1	Phy/spt/2007-08/04	
5	Thermal expansion of liquid	1	Phy/spt/2007-08/05	
6	Thermal conductivity experiment	1	Phy/spt/2007-08/06	

7	Solar collector experiment	1	Phy/spt/2007-08/07	
8	Measuring vapor pressure	1	Phy/spt/2007-08/08	
9	Thermal expansion of solids	1	Phy/spt/2007-08/09	
10	Reflections of Ultrasonic Waves	1	Phy/spt/2007-08/10	
11	Heat Capacities Experiments	1	Phy/spt/2007-08/11	
12	Critical Temperature Experiments	1	Phy/spt/2007-08/12	
13	Effect Of Force In An Electrical Field Experiments	1	Phy/spt/2007-08/13	

14	Hot Air Engine Quantitative Experiments	1	Phy/spt/2007-08/14	
15	Heat Pump Experiments	1	Phy/spt/2007-08/14	
16	Conducting Electricity By Mean Of Electrolysis	1	Phy/spt/2007-08/15	
17	Viscosity Experiments	1	Phy/spt/2007-08/16	
18	Plank's Constant & Inverse Square law kit	1	Phy/spt/2010-11/01	
19	He-Ne Laser	2	Phy/spt/2010-11/02	
20	Hall Effect Experiment kit	2	Phy/spt/2010-11/03	

21	Four-Probe Method Kit	1	Phy/spt/2010-11/04	
22	Plain Gauss Meter	1	Phy/spt/2010-11/05	
23	Forced Oscillator Resonance Setup	1	Phy/spt/2010-11/06	
24	Dielectric Constant kit	1	Phy/spt/2010-11/07	
25	Bio Saver's law apparatus	1	Phy/spt/2010-11/08	
26	Kerr Effect Experiment kit	1	Phy/spt/2010-11/09	
27	Spectroscopy Experiment kit	1	Phy/spt/2010-11/10	
28	Optical Fiber Kit	1	Phy/spt/2010-11/11	

29	Photo Conductivity Kit	1	Phy/spt/2010-11/12	
30	Regulated Power Supply	2	Phy/spt/2011-12/01	
31	Optical Fiber Kit	1	Phy/spt/2011-12/02	
32	Ultrasonic Interferometer	1	Phy/spt/2011-12/03	
33	Newton's Ring	1	Phy/spt/2011-12/04	
34	E / M By Thomson Method	1	Phy/spt/2011-12/05	
35	Four Point Probe Method	1	Phy/spt/2011-12/06	
36	Forced Oscillator Resonance	1	Phy/spt/2011-12/07	

37	Plank's Constant & Inverse Square Law Kit	1	Phy/spt/2011-12/08	
38	Polarization Of Light Using LASER	1	Phy/spt/2011-12/09	
39	Millikan's Oil Drop Method	1	Phy/spt/2011-12/10	
40	Holography And Interferometer	1	Phy/spt/2011-12/11	

SCHOOL OF LIBERAL STUDIES

Detailed list of instruments:

1	Free Fall Apparatus	1	PDPU/SLS/SCI/11-12/01	
2	Spherometer	1	PDPU/SLS/SCI/11-12/02	
3	Venire Caliper Precision	1	PDPU/SLS/SCI/11-12/03	
4	Micrometer	1	PDPU/SLS/SCI/11-12/04	
5	Forced Oscillator And Resonance Setup	1	PDPU/SLS/SCI/11-12/05	
6	I-V Characteristics Setup	1	PDPU/SLS/SCI/11-12/06	

7	RC Circuit Setup	1	PDPU/SLS/SCI/11-12/07	
8	Transistor CE Characteristics	1	PDPU/SLS/SCI/11-12/08	
9	Oscilloscope	1	PDPU/SLS/SCI/11-12/09	
10	Michelson Interferometer Setup	1	PDPU/SLS/SCI/11-12/10	

Experiments List

1. Computer Laboratory

Number of Systems: **35**

Total number of systems connected by LAN **400**

Total number of systems connected by WAN **400**

Internet Bandwidth: **4Mbps & 24x7 Internet Access Available**

Major software packages available

Windows XP, Windows 2007, Windows 2003, Visual Studio, Office Scan (Trend Micro), SolidWorks, CNC programming simulation, Petrel, Eclipse, Language Lab, Solid Works- Designing tool software, MT lab software, Microsoft SQL, LabView, C++, SOLVE University (Access to GEM, IMEX, STARS Simulator), COST, Builder Results, Saphir NL, Topaze NL, Rubis -Multi-Purpose Numerical Model, Citrine - Field Performance Analysis, Azurite - Formation Testing, Emeraude - Production Logging, Integrated Production Modelling software, StimPlan, FracPro, France and Jewel Suite Paradigm and Roxar

Special purpose facilities available

Wi-Fi Campus, Internet facility available at UG Hostel, E-library at campus, Intranet facility

2. Language Laboratory

Objectives

Communication in all forms is a major challenge in today's multilingual world. Employers are constantly on the lookout for individuals who are excellent in communication & Inter-personal skills. In addition to verbal communication, understanding of non-verbal clues is also highly important. Almost all discussions of Emotional intelligence also emphasize the neglected skills of intra- personal communication. In short, there is a global requirement for competence in Communication.

To enable students to comprehend and use languages efficiently, PDPU has setup multi-media Language Laboratory (Language Lab) set in 2010 sq. Feet spacious room, the Language lab is fully furnished and air-conditioned.

Software

The Language lab at PDPU is a Computer based laboratory with flexibility to conduct laboratory sessions with computers also. The software used in the language lab is developed by Globarena Technologies Private Limited. The software has default 200-hour self-learnable digital program. It also has software for the career lab with default 200-hour program.

Additional Facilities

The Language Lab at PDPU has additional facilities like LCD-projector, Behringer audio mixer; (12- input 2/2 bus mixer; *4 MIC Preamps; 13500 * 2 subgroups with separate outputs; 2 multifunctional stereo aux returns), dB Opera series 350W front speaker; Studio master audio

amplifier, Video camera to shoot sessions of group discussions or skits, quality headphones with microphones two cordless microphones for open house discussion, a tripod for round-table group-discussion, comfortable seating accommodation for 60 students with 60 computers and a notice board.

Working of the Software: The software works at two levels.

Teacher/Admin(ServerSide)
Customized lesson scheduling
Create new practice exercises
Review Students performance
Access Student Desktop

Students(ClientSide)
Access courses through clients
Audio & Text Communication with facilitator
(Chat)
Access facilitator desktop

AdditionalResources:

PDPULanguageLab has more than 150 video clips/documentaries for academic use. It also has more than 200 audio lessons from BBC and Voice of America. There are more than 20 movies related to Literature, Communication, Ethics and Psychology. With the help of in-house Video Graphics Association formed by students, the Language Lab would undertake projects of preparing academic videos/movies very soon.

Annexure –9

PANDIT DEENDAYAL ENERGY UNIVERSITY

Academic Calendar: 2025-26

Odd Semester: UG Sem. 1 / 3 / 5 / 7 (FoET & FoLS), PG Sem. 1 / 3 (FoET & FoLS)	
Particulars	Date
Semester Registration & Commencement of Classes - FoET & FoLS - Sem. 1	21 st July, 2025
Semester Registration, Department Orientation & Commencement of Classes - FoET & FoLS - Sem. 3 / 5 / 7	21 st July, 2025
Evaluation of Rural Internship / CSSI & Evaluation of Industry Orientation & Evaluation of Industrial Internship	4 th - 8 th August, 2025
Independence Day Celebration	15 th August, 2025
- Internal Assessment - I (Quiz, Test, Assignment etc.)* ^{**}	1 st - 4 th September, 2025
- Student Mentoring Week – I	
Attendance Review – I	8 th - 12 th September, 2025
- Mid Semester Examination	
- Project Phase - I Review	15 th September, 2025 onwards
Rangtaal - Navratri Celebration	26 th September, 2025
Last date of showing evaluated Answer Books and submission of Mid Semester Examination Marks	1 st October, 2025
Declaration of Mid Semester Examination Result	8 th October, 2025
Parent Teacher Meeting	11 th October, 2025
Tesseract - The Science & Technical Fest	10 th - 12 th October, 2025
- Internal Assessment - II (Quiz, Test, Assignment etc.)* ^{**}	13 th - 17 th October, 2025
- Student Mentoring Week - II, Attendance Review – II	
Diwali Break (One Week)	20 th - 24 th October, 2025
Classes End	14 th November, 2025
Practical Examinations, Submission of Term Work and Seminars	
Dissertation Presentation for PG Programmes of FoLS	17 th November, 2025 onwards
Declaration of Detention List of Students (during 17 th Week)	19 th November, 2025
End Semester Examinations - FoET & FoLS (Regular and Backlog Exams)	24 th November, 2025 onwards
Ph.D. Review	November - December, 2025
Project Phase - I Exam for PG Programmes of FoET	8 th - 12 th December, 2025
Last date of showing evaluated Answer Books and submission of End Semester Examination Marks	19 th December, 2025
Winter Break	22 nd - 26 th December, 2025
Rural Internship for FoLS Students	December 2025
Declaration of End Semester Examination Result	2 nd January, 2026
Even Semester: UG Sem. 2 / 4 / 6 / 8 (FoET & FoLS) & PG Sem. 2 / 4 (FoET & FoLS)	
Semester Registration and Commencement of Classes - FoET & FoLS	5 th January, 2026
Last Date of Registration	9 th January, 2026

PANDIT DEENDAYAL ENERGY UNIVERSITY

Academic Calendar: 2025-26

Even Semester: UG Sem. 2 / 4 / 6 / 8 (FoET & FoLS) & PG Sem. 2 / 4 (FoET & FoLS)	
Particulars	Date
Semester Registration, Department Orientation & Commencement of Classes	5 th January, 2026
Alumni Day	10 th January, 2026
Republic Day Celebration	26 th January, 2026
Energy Cup - The Sports Fest	29 th Jan. - 4 th Feb., 2026
- Internal Assessment - I (Quiz, Test, Assignment etc.)**	
- CP / MP Review - I	2 nd - 6 th February, 2026
- Student Mentoring Week - I	
- Attendance Review - I	
- Students Feedback	23 rd - 27 th February, 2026
- Mid Semester Examination	
- Dissertation Review – I	2 nd March, 2026 onwards
Last date of showing evaluated Answer Books and submission of Mid Semester Examination Marks	23 rd March, 2026
Declaration of Mid Semester Examination Result	27 th March, 2026
Flare - The Social & Cultural Fest	27 th - 29 th March, 2026
- Internal Assessment - II (Quiz, Test, Assignment etc.)**	
- CP / MP Review - II	6 th - 10 th April, 2026
- Student Mentoring Week - II	
- Attendance Review - II	
Classes End & Farewell by Department to Pass Out Batch	24 th April, 2026
Dissertation Submission for UG and PG for FoLS	27 th April, 2026
- Practical Examinations	
- Submission of Term Work and Seminars	27 th April - 1 st May, 2026
Declaration of Detention List of Students	29 th April, 2026
End Semester Examination - FoET & FoLS (Regular and Backlog Exams)	4 th May, 2026
- Dissertation Exam for PG Program(s)	
- CP / MP Final Review	18 th - 22 nd May, 2026
- Farewell by Department to Pass Out Batch (FoET)	
Last date of showing evaluated Answer Books and submission of End Semester Examination Marks	29 th May, 2026
Progress Review for Ph.D.	May - June, 2026
Internship for FoET Students (Industrial / Rural / CSSI)	May - July, 2026
Summer Vacation (Faculty will resume office on 13 th July, 2026)	1 st June - 10 th July, 2026
Declaration of End Semester Exam Result	5 th June, 2026
Faculty Development Programme	13 th - 17 th July, 2026
Odd Semester: FoET & FoLS	
Odd Semester Registration & Class Commencement	20 th July, 2026

- This calendar is subject to change under any unforeseen situation.
- All the students should start attending the classes from the day of commencement of respective semester subject to fulfillment of the semester progression rules.
- **Internal assessment shall be in parallel to the regular teaching schedule.
- **Attendance Rule:** Please attend all lectures and laboratories without fail. Attendance is compulsory as per the PDEU norms, the student must maintain 80% attendance.