



NEW CENTERS OF EXCELLENCES

Two **Centers of Excellence (COE)** have been funded by Government of Gujarat namely, **Center for Drone Technologies** and **Center for Artificial Intelligence and Machine Learning** to support cutting-edge research and education in the Unmanned Technology of Drones and in the Defence sector, respectively. This joins the existing three COE's at IITRAM- Siemens, Advanced Defense Technologies, Aerospace and Defence.

FACULTY NEWS

AWARDS AND ACHIEVEMENTS

Dr. Dipankar Deb, Professor, Electrical and Computer Science Engineering, **Dr. Gautam Choubey**, Assistant Professor, Mechanical and Aerospace Engineering, **Dr. Manish Sharma**, Assistant Professor, Electrical and Computer Science Engineering, **Dr. Navneet Khanna**, Assistant Professor, Mechanical and Aerospace Engineering, and **Dr. Saurav Das**, Assistant Professor, Basic Sciences, made it to the top 2% researchers as published by Stanford Uni. in collaboration with Elsevier.

Dr. Sumit Tripathi, Assistant Professor, Mechanical & Aerospace Engineering, received Science and Engineering Research Board-International Travel Support (SERB-ITS) to participate in the 75th Annual Meeting of the American Physical Society's Division of Fluid Dynamics (APS DFD) held at Indianapolis, USA, during Nov. 20-22, 2022.

PATENT GRANTED

Synthesis of mesoporous silica supported ionic liquid based polymeric membrane for CO₂/CH₄ gas separation: Inventors include **Dr. Mahuya Bandyopadhyay**, Assistant Professor, Basic Sciences, **Dr. Dheeraj Kumar Singh**, Assistant Professor, Basic Sciences, **Deepak Pandey**, Ph.D. scholar, Basic Sciences, **Divya Tarunkumar Jadav**, Ph.D. alumnus, Basic Sciences and co-inventors from other institutions. The patent number is 415385 granted on 26.12.22.



MoU with SANSKARDHAM

IITRAM has signed an **MoU** with **Sanskardham**, Sanand, a not-for-profit educational hub involved in the field of skill development and social entrepreneurship, on Nov. 7, 2022 to carry out testing of Drones and related assessments. They will jointly develop a Testing Facility for Drone Certification, undertake research in drone technology and conduct new application-based training to promote Drone ecosystem in India.

PATENTS FILED

Motorized control bench vice: Inventors include **Dr. Kumar Abhishek**, Assistant Professor, Mechanical and Aerospace Engineering and co-inventors from other institutions. (Application Number 202211074083), Filed Date: 20.12.2022. Published date: 30.12.2022.

An automatic and digital gas stove: Inventors include

Dr. Kumar Abhishek, Assistant Professor, Mechanical and Aerospace Engineering, and co-inventors from other institutions. (Application Number 202211074084), Filed Date: 20.12.2022. Published date: 30.12.2022.

CNC resistive continuous profile welding: Inventors include **Dr. Kumar Abhishek**, Assistant Professor, Mechanical and Aerospace Engineering, and co-inventors from other institutions. (Application Number 202211074087), Filed Date: 20.12.2022. Published date: 30.12.2022.

Machine vision based system for jewellery artwork and method thereof: Inventors include **Dr. Krupa Shah** and **Dr. Raghavendra Bhalerao**, Assistant Professors, Electrical and Computer Science Engineering, (Application No. 20221063931), Filed Date: 9.11.2022. Published date: 27-12-2022.



SPONSORED AND CONSULTANCY PROJECTS

Dr. Jiten Shah, Assistant Professor, Civil Engineering, successfully completed an honorary project work on **"Road Safety Evaluation of School Zones"**, Municipal School Board, Ahmedabad.

Dr. Manjunath K, Assistant Professor, Electrical and Computer Science Engineering, secured a project titled **"Design, modeling and development of solar based enhanced active power filter to support EV charging infrastructure with the grid"** from SERB, Govt. of India on 19.10.2022.

BOOK PUBLISHED

Dr. Gautam Choubey, Assistant Professor, Mechanical and Aerospace Engineering, published a book **"Advances in Thermal Sciences, Lecture Notes in Mechanical Engineering"**, Springer <https://doi.org/10.1007/978-981-19-6470-1> Published on 09.11.2022.



HACKATHON AT IITRAM

IITRAM hosted Two Day Hackathon under the flagship program of **"Azadi ka Amrit Mahotsav"** during Oct. 7-8, 2022. Dr. Meera Vasani, Associate Dean Student Affairs, was the Nodal officer, Dr. Jiten Shah, SSIP Coordinator was the coordinator of the event, Dr. Raghavendra Bhalerao and Dr. Pravin Jadhav were the co-coordinators.



WORKSHOP AND CONFERENCE ORGANIZED

Department of Mechanical and Aerospace Engineering, organized an International Conference on **"4th Recent Advances in Mechanical Infrastructure (ICRAM-2022)"** from Dec. 16-18, 2022.

Dr. Priyesh Chauhan, Assistant Professor, Electrical and Computer Science Engineering, organized in-person Workshop on **"Advancement Towards More Electric Transportation"** from Oct. 14-16, 2022. The entire event was fully funded by IEEE and technically supported by international speaker from industry.

INVITED TALKS

Scan the QR code to see the invited talks of IITRAM faculty members.



CAMPUS PLACEMENT

Campus Placement Season 2022-23 was conducted at IITRAM from Oct.-Dec. 2022. A total of 38 companies visited IITRAM. Several students secured campus placements.

STUDENT CHAPTER

AWARDS AND RECOGNITIONS

Three IITRAM Ph.D scholars, namely **Parikshit Samjubhai Paredi**, Chemistry; **Joshi Nikitaben Pragnesh**, Electrical And Computer Science Engineering; and **Pamela Pati**, English; received the Scheme of Developing High quality research (SHODH) fellowship in the 2021-2022 cycle.

Dr. Jaypal Singh, Ph.D. alumnus, Electrical And Computer Science Engineering, has been placed in Tata Elxsi as a Specialist.

Jeel Bathani, B.Tech. Mechanical Engineering, won the Man of the Match title at the Annual Inter-College Sports Fest "Rannkaushal" organized by IITGN. IITRAM's Cricket Team won the match against IITGN.



GET IN TOUCH

Alumni Relations

Dr. Kumar Abhishek
E-mail: alumni@iitram.ac.in

School Outreach Programme

Dr. Gautam Borisagar
E-mail: outreach@iitram.ac.in

External Communications

Dr. Jaidevi Jeyaraman
E-mail: extcomm@iitram.ac.in

Office

E-mail: office@iitram.ac.in



STUDENT ACTIVITIES

Avish, the Cultural Chapter, and the **NEST Club** of IITRAM interacted with the First Year undergraduate students during the Foundation Program held from Nov. 2-14, 2022. Avish provides a platform to the students to enhance and express their skills and talents in various forms, music, dance, drama. The NEST (Nature Ecology Surroundings & Trekking) Club is involved in the ecological & greener methods to conserve nature and to spread and explore ideas & awareness for the conservation of ecology and nature among the institute's community. The club's "EaseGreen" is a startup by a group of students with an aim to provide technology and service solutions to make the experience of maintaining home plants simpler and easier for customers.



Dayatva organized plantation drive in the hostel premise on Sept. 4, 2022 with an aim to spread awareness of our role in responding to climate change and environmental emergencies. Thirty saplings, of mango, neem, royal poinciana were planted. Dayatva organized the annual cloth donation 2.0 between 9th and 10th Dec 2022. Members of the Robinhood Army (an NGO) assisted the students in distributing the clothes in various identified localities. The club also hosted an event Mental Health Space during the Foundation Programme with the incoming undergraduate batch of 2022. Additionally, Dayatva organized World Café on Nov. 12, 2022 with the Freshers alongside their Weekly Schooling activity with the students of Ahmedabad Municipal Corporation School.