

INSTITUTE HIGHLIGHTS

Administration

Prof. Promod Kumar Jain took charge as Director General on 06.01.2025 from then Director General, Prof. Bhrigu Nath Singh. Prof. Jain is a Professor in the Department of Mechanical & Industrial Engineering at the Indian Institute of Technology Roorkee. Prior to joining IITRAM, Prof. Jain has served as a Director of IIT (BHU) Varanasi, Director (Additional Charge) of IIT Patna and Director of IIIT DM, Jabalpur.



Republic Day Celebration

IITRAM celebrated the 76th Republic Day on 26.01.2025 with a vibrant and heartfelt tribute to our nation's democratic spirit and constitutional values. The celebration commenced with the hoisting of the national flag by Prof. M.K Barua, Director IITRAM. This was followed by a vibrant Cultural Program comprising of nukkad natak, singing, speeches and poetry organized by the Student Activity Centre.



GWSB and IITRAM Collaborative Opportunities

Prof. Shivraj Kanungo, Vice Dean for Graduate Programs at the George Washington University School of Business (GWSB), along with Ms. Regina Nithin, Regional Head for South Asia at GWSB, visited IITRAM on 23.01.2025 to explore potential collaborations in the fields of Engineering and Management studies. During the visit, both institutions reached an agreement to sign a Memorandum of Understanding (MoU) aimed at launching joint programs in Project Management,

Information Systems Technology, and Business Analytics.



Blood Donation Camp

The IMech Student Chapter at IITRAM in association with Indian Red Cross Society Ahmedabad District Branch held its 7th Blood Donation Camp on 12.02.2025 at IITRAM campus. The event witnessed enthusiastic participation, with nearly 60 donors, including both students and faculty members, contributing to this noble cause.



Women's Day Celebration

The Women Development Cell at IITRAM celebrated International Women's Day on 07.03.2025 in line with the International Women's Day 2025 theme, "Accelerate Action". As part of the celebration, a special session featuring four distinguished speakers from diverse sectors was arranged with talks focussed on key areas such as women empowerment, entrepreneurship, start-up funding opportunity, and skill development.



Talk on Female Health, Mental Well-being & Disease Prevention

The Women Development Cell at IITRAM organized a talk on 27.03.2025 on "Female Health: Physical, Mental, and Nutritional Aspects & Prevention of Non-Communicable Diseases (NCDs) in Adolescent Girls." The session was delivered by Dr. Dhruvi Hasnani, a renowned Consultant Diabetologist and Head of Clinical Research at the Rudraksha.



Gender Sensitization

The Internal Complaints Committee (ICC) at IITRAM organized a talk on Gender Sensitization on 12.03.2025, by Ms. Amrita Patel, a prominent lawyer. The event also served as a platform for women doctoral scholars at IITRAM to share their research journeys, shedding light on their experiences and contributions.



OUTREACH ACTIVITIES

Mathematics Beyond Books

The Mathematical Association of IITRAM conducted an engaging training-cum-fun session with Class 9 students of Pragati School on 03.12.2024, where students participated in interactive problem-solving activities and exciting mathematical puzzles. The session aimed to make learning enjoyable while fostering curiosity and a love for mathematics in young minds.



Lab Visit

A group of students from MIT Pune visited IITRAM on 04.03.2025 to explore the institute's advanced laboratories and research facilities. The visit included guided tours, interactive demonstrations, and discussions with faculty members, providing the students with valuable insights into ongoing research and technological advancements at IITRAM.



FACULTY NEWS

Dr. Veerabhadrapa M. Rotte, Assistant Professor, Department of Civil Engineering, Dr. Mahesh Mungule, Associate Professor, Department of Civil Engineering, PI and CO-PI respectively, secured a multi-institutional project titled "A Study on Improving Sustainability and Performance of Biostabilized Slopes and Pond Linings using Landfill Waste and Biowaste". The project is funded by Gujarat State Biotechnology Mission (GSBTM), Government of Gujarat.

Dr. Ramnarayan Yadav, Assistant Professor, Department of Electrical and Computer Science Engineering, received a project titled "Development of Automated Software Platform for InSolare Process Optimization Using Image Processing and Machine Learning". This project is funded by InSolare Energy Ltd.

Dr. Raghavendra Bhalerao, Dr. Krupa Shah, Assistant Professors, Department of Electrical and Computer Science Engineering, along with team members Dr. Abhijeet Salunke (Surgeon GCRI), Dr. Nandlal Bharwani (Fellow Surgeon GCRI), Mr. Kaushal Panchaal (Autus Healthcare) received Innovation Award for Bone Biopsy Innovation as part of the Zydus CSR Innovation Programme 2024-25, powered by Zydus Group and collaboration with the Gujarat Grassroots Innovation Augmentation Network (GIAN) held on 11.03.2025.

Dr. Krupa Shah, Assistant Professor Discipline of Electrical and Computer Science Engineering, was invited to receive the award for the 10th Venus International Women Awards (VIWA 2025) in the category of Outstanding Woman Researcher (OWR) in Electrical Machines on 01.03.2025.

The **Department of Mechanical and Aerospace Engineering**, in collaboration with CSST IIT Roorkee and the Department of Mechanical Engineering at SVNIT Surat, organized the 5th International Conference on Recent Advances in Mechanical Infrastructure (ICRAM 2025) from 10.01.2025 to 12.01.2025. The conference was inaugurated with a distinguished

ceremony, presided over by prominent figures from the academic and research community, including Prof. P.K. Jain, Director General of IITRAM, Prof. K.K. Pant, Director of IIT Roorkee, Prof. H.B. Mehta, Professor at SVNIT Surat, and Prof. M.K. Barua, Director of IITRAM. Additional guests included Prof. S.H. Upadhyay, Head of CSST IIT Roorkee, Prof. Prabal Talukdar from IIT Delhi, and Dr. Vishal Bagade, Scientist at DRDO.



The **Department of Humanities and Social Sciences** organized a One-Day International Conference titled AYUSHGLOBE 2025 – AYUSH for Global Well-being and Exports from India on January 31, 2025, as part of the Vision Viksit Bharat @2047 initiative. The conference was sponsored by the Indian Council of Social Science Research (ICSSR) under a project secured by **Dr. Pravin Jadhav**, Associate Professor, Department of Humanities and Social Sciences.



The IEEE AP/MTT Joint Chapter, Gujarat Section, in collaboration with Center of Excellence in Drone Technology and the Department of Electrical and Computer Science Engineering IITRAM organized a joint workshop on "System and Technologies for Space Eco System" on 03.03.2025 at IITRAM. The workshop brought together experts, academicians, researchers, and industry professionals to discuss the latest advancements in space technologies, antenna systems, wireless power transfer, and semiconductor innovations.



PATENT GRANTED

Automated Laboratory Scale Apparatus for Soil Sample Stabilization and Consolidation for Geotechnical Applications. Inventors include Vatsal Malvania, Abhishek Appa Sutar, **Veerabhadra M. Rotte**, Shreeja Balakrishnan. The patent number is 202521019120; Publication date: 21.03.2025, Pub.: Indian Patent Office, India.

STUDENT ACTIVITIES

Social events @IITRAM

IITRAM hosted **Atal Kavyotsav**, a poem reciting competition on 11.02.2025 providing a platform for poetry enthusiasts to showcase their talent and express powerful ideas. The event focused on themes of Patriotism, Equality, Justice, and Unity, with participants reciting poems in English, Hindi, and Gujarati.



Techlens, the Photography Club of IITRAM under the Student Activity Centre, has been successfully organizing weekly photography competition to actively engage students in creative expression and visual storytelling. The competition encourages participants to explore diverse themes, sharpen their photography skills, and share unique perspectives through their lenses.



The Institute organized a free **medical check-up** event with Narayana Hospital, Ahmedabad on 21.02.2025 and 22.02.2025. The primary objective of this event was to offer essential health screening and consultations to the students and staff members of the Institute.

A free **dental check-up** event with AMC Dental College and Hospital, Ahmedabad in line with celebration of Periodontist Day was organized at IITRAM on 28.02.2025. A total number of 101 institute members participated.

The Counseling Center IITRAM in collaboration with Medical Center IITRAM conducted an informative and interactive session on **"Understanding Addiction -**

Prevention of Tobacco, Alcohol, and Substance Use" on 29.01.2025 to educate students about the risks associated with substance abuse and equip them with strategies for prevention. The session aimed to raise awareness, debunk myths, & provide practical solutions to avoid addiction.

The Student Activity Centre (SAC) of IITRAM organized a **"Road Safety Awareness Campaign"** on 09.02.2025 to promote responsible commuting & adherence to traffic rules. The campaign involved a rally from IITRAM to Khokhra Circle, where participants engaged with the public by holding placards & chanting road safety slogans to spread awareness. Through this initiative, students emphasized the importance of wearing helmets, following traffic signals, and avoiding reckless driving.



Technical events @IITRAM

An interactive panel discussion on **Economic Trends 2025** was held on 30.01.2025. The event brought together enthusiasts to explore key factors shaping the Indian economy by fostering insightful conversations, allowing panelists to share diverse perspectives, experiences, and solutions related to the topics influencing India's economic framework.

The annual technical fest **FLUX'25** was held from 21.03.2025 to 23.03.2025. The dynamic three-day fest was a hub of innovation, problem-solving, and creativity, bringing together tech enthusiasts from



various institutions. FLUX'25 commenced with a grand inaugural ceremony, graced by Prof. P. K. Jain, Director General of IITRAM. Overall 150 approx participants participated in the event. FLUX'25 featured a diverse lineup of events, including the Hackathon, Debugging Challenge, UI/UX Design Contest, and FrameX (held both online and offline). Participants also engaged in InnovX, a platform for groundbreaking ideas, the Bridge Design Challenge, and the Line Tracer Robot competition. The fest concluded on a high note with an electrifying stand-up comedy performance and a DJ night.

Pulse 2.0, a weekly initiative by the Coding Community of IITRAM, has been running successfully as a platform to share knowledge and spark discussions on current trends and innovations in technology. Held every Thursday at 6:00 PM, the event covers a wide range of topics, including AI/ML, Web Development, and emerging tech stacks.

Cultural events @IITRAM

IITRAM hosted **Cultural Week** on 15.02.2025 and 16.02.2025, transforming the campus into a lively hub of creativity and celebration. The two-day event featured a variety of engaging activities, including games, food stalls, and art exhibits all enthusiastically organized and run by students. The stage came alive with captivating performances in music, dance, poetry, and speeches, showcasing the remarkable talent and passion. A major highlight of the festivities was the spirited Antakshari competition, which drew energetic participation and added a nostalgic charm to the celebration.



Sports events @IITRAM

IITRAM organized Annual Sports Fest, **Pratyancha'25**, from 17.01.2025 to 19.01.2025, at the Veer Savarkar Sports Complex. The event brought students together for an action-packed celebration of athleticism, teamwork, and sportsmanship. Competitions were held in football, table tennis, and badminton, highlighting the talent and competitive spirit of the participants. A major highlight of the fest was the highly anticipated inter-college volleyball match between the IITRAM and Nirma girls' teams, which added energy and excitement to the event.



A **friendly Football match** was held between IITRAM and the National Forensic Sciences University (NFSU) on 30.03.2025. The match took place at the IITRAM Quadrangle and witnessed enthusiastic participation and spirited sportsmanship from both teams. The event highlighted the importance of physical fitness, teamwork, and friendly competition in student life.

IITRAM football team emerged as the Runner-Up at the Football Impulso-25 tournament held at Gandhinagar University. The team displayed exceptional skill,

teamwork, and sportsmanship throughout the competition, securing a well-deserved place in the finals.

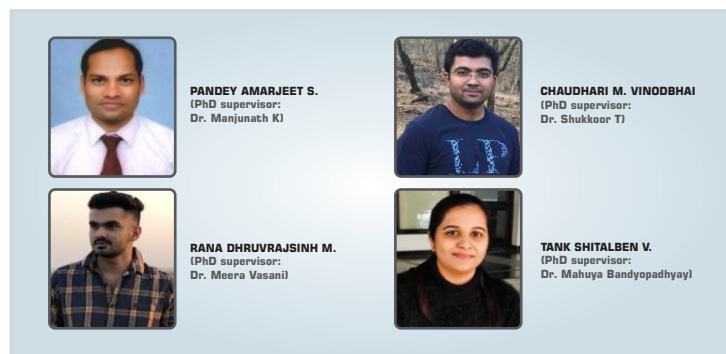
STUDENT AWARDS AND ACHIEVEMENTS

Nikita Joshi, Doctoral Scholar, Department of Electrical and Computer Science Engineering, received the PROM Program at Lodz University of Technology, Poland. During her program, Nikita will be working on advancing her research on Fault-tolerant Discrete-time Sliding Mode Control (DSMC) for Multi-Agent Systems (MAS), with a focus on Cyber Security Resilience.

A. Sandeep Reddy, Doctoral Scholar, Department of Civil Engineering, received the Doctoral Research Award at iGrip-2025 conclave held at IIT Gandhinagar during 24.02.2025 and 25.02.2025.



Four Doctoral students were awarded the SHODH fellowship by the Education Department, GoG: **Chaudhari Mitulkumar V.**, **Rana Dhruvrajsinh M.** Department of Humanities and Social Sciences, **Amarjeet S. Pandey** Department of Electrical and Computer Science Engineering, and **Tank Shitalben V.** Department of Basic Sciences.



Pranjal Mewada, B.Tech. second year, secured Gold Medal in Taekwondo at the District Khel Mahakumbh.

Udaykumar Dhokia, B.Tech. third year, and his team secured First Place in the Web Tech Hackathon at Footprints 25, organized by MSU Vadodara held on 07.03.2025 to 09.03.2025.

Ambre Prathamesh P., B.Tech. alumna Department of Civil Engineering was awarded the GICEA Gold Medal 2025 for excellence in academic performance.

Bhatt Prutha H. M.Tech. alumna Department of Civil Engineering with specialization in Urban Infrastructure was awarded the RJD Buildcon Ltd GICEA Gold Medal

2025 for excellence in academic performance.



CAREER DEVELOPMENT CELL

The Career Development Cell IITRAM organized a session on **"Profile Building Basics: How to Start Creating a Strong Career Profile"** by Almas Shaikh (Lead Manager, at SPJIMR SP Jain Institute of Management & Research on 22.01.2025.

IITRAM was invited to participate as an expert panellist in the Academia-Industry Leadership Roundtable on Cyber Security, with **Dr. Manish Chaturvedi**, Assistant Professor Department of Electrical and Computer Science Engineering, actively contributing as an expert speaker.

Mr. Siddharth Bansal and Mr. Dhruvin Chauhan, along with **Dr. Ravi Bhandari** and **Dr. Ram Narayan Yadav**, Assistant Professors Department of Electrical and Computer Science Engineering, represented IITRAM during a visit to the TCS Office. The visit was in response to an invitation extended to IITRAM for the TCS HackQuest Season 9 Award Distribution Ceremony. A parallel session was conducted for faculty members and Training and Placement Officers (TPOs) from various institutions.

PH.D. THESES DEFENDED

Prashantkumar J. Makadiya, Doctoral Scholar, Department of Basic Sciences, under the supervision of Dr. Manoj Choudhuri defended his Ph.D. thesis titled "Certain Aspects of Diophantine Approximation Over Non-Archimedean Fields" on 27.01.2025.

Dhaval L. Joshi, Doctoral Scholar, Department of Electrical and Computer Science Engineering, under the supervision of Prof. Dipankar Deb defended his Ph.D. thesis titled "Adaptive Control of BLDC Motor Drives in Electric Propulsion System of Unmanned Aerial Vehicles" on 11.02.2025.

Abhijeet P. Redekar, Doctoral Scholar, Department of Electrical and Computer Science Engineering, under the supervision of Prof. Dipankar Deb defended his Ph.D. thesis titled "Analysis and Compensation Control of Electrical Actuator Uncertainties in Renewable Energy System" on 20.02.2025.

GET IN TOUCH

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