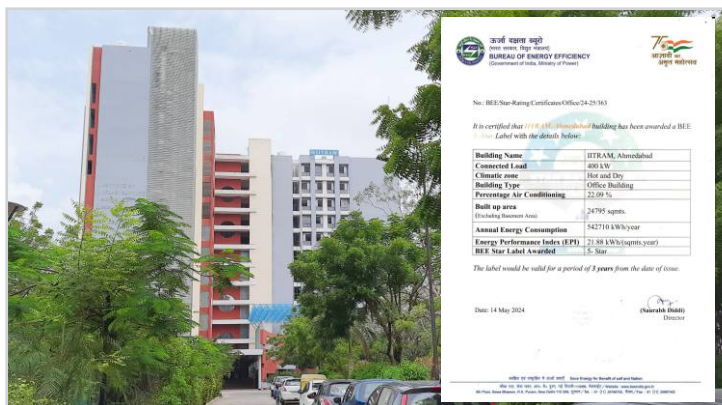


INSTITUTE HIGHLIGHTS

Bureau of Energy Efficiency (BEE) Five-Star rating

The Institute building has earned the prestigious Bureau of Energy Efficiency (BEE) Five-Star rating. This achievement underscores our steadfast commitment to maintaining an energy-efficient and environmentally friendly campus. The achievement importantly signifies that IITRAM building meets the highest standards of energy performance, showcasing our efforts to reduce energy consumption and mitigate our carbon footprint.



MoUs

An MoU was signed between IITRAM and Indian Institute of Technology Patna by Director General of IITRAM **Prof. B N Singh** and Director of IIT Patna **Prof. T. N. Singh** at IITRAM on 21.06.2024.



An MoU was signed between IITRAM and Indian Institute of Technology Roorkee to foster academic and research collaborations on 26.06.2024.



IITRAM signed MoU with Louisiana State University Shreveport (LSUS) for Academic and Research Collaborations on 15.12.2023.



Deep Tech Initiatives

IITRAM has been selected as an active aggregator for the AI Capable Building partnered with reputed industries by the Department of Science and Technology Government of Gujarat, as part of Deep Tech initiatives of the Government on 29.06.2024.



Open House

IITRAM organized two open house events for B.Tech aspirants on 24.05.2024 and 18.06.2024 to apprise them of the programs and other facilities offered by the institute.



Lab Development

Efforts towards integrating technology in education and enhancing practical skills, the Department of Humanities

and Social Sciences have established an ICT Enabled Skills Laboratory to provide hands-on training and advanced learning opportunities. This state-of-the-art facility aims to equip students with essential technical skills, foster innovation, and bridge the gap between theoretical knowledge and practical application.



Micro-Specialization Programmes

In addition to the existing courses for undergraduate Engineering students, micro-specialization programs in 13 specializations have been introduced. The micro-specialization courses are short, focused programs that allow undergraduate students to gain specialized knowledge and skills in specific emerging areas of their field such as Solar Energy Materials and Technology, Human Resource Management, Data Analytics and Machine Learning, Intelligent Human Robot Interactions etc.

Yoga Shivr @IITRAM

With an aim to promote physical and mental well-being, IITRAM organized Yoga Shivr for students, faculty, and staff from 18.06.2024 to 21.06.2024.



Field Visits

Dr. Sumit Tripathi, Assistant Professor Department of Mechanical and Aerospace Engineering and **Dr. Manoj Langhi**, Associate Professor Department of Civil Engineering organized a visit for B.Tech. second year students of Civil and Mechanical Engineering Departments to the Sardar Sarovar Dam and River Bed Power House at Ekta Nagar on 02.04.2024. The visit was organized to demonstrate to the students about the general working of a hydroelectric power plant including the dam structure and power generation through hydraulic turbines.



Summer Research Internship Program

During the summer vacation, 20 undergraduate and postgraduate students of IITRAM and other institutions carried out short-term research internship at IITRAM for a period of up to 2 months.



DISTINGUISHED VISITORS AND INVITED TALKS

Distinguished visitors

Some guests from CRISIL, representing the CSIR-Human Resource Development Group visited IITRAM and interacted with the PhD students who have received fellowship from CSIR.



Invited Talks:

- Prof. Andallib Tariq from Department of Mechanical Engineering at IIT Roorkee delivered a talk on 'Voyage Across the Interface: A heat Transfer Perspective' on 13.06.2024.
- Prof. G.P. Raja Sekhar from IIT Kharagpur delivered an expert lecture on "Mathematical modeling of multi-phase flow models in oil reservoirs" on 20.06.2024.
- Prof. D.K. Maiti from the Department of Aerospace Engineering at IIT Kharagpur on 'Dynamic Aeroelastic

Analysis and Gust Clearance of a Typical Fighter Aircraft' on 13.06.2024.



- Prof. Somesh Kumar from IIT Kharagpur delivered an expert lecture on "Historical Development and Present Research Trends in Probability and Statistics" on 20.06.2024.

FACULTY NEWS

- **Dr. Ashish Soni** joined as an Assistant professor in the Department of Electrical and Computer Science and Engineering. He holds a Ph.D. in field of Geo-spatial/Remote Sensing technologies from Indian Institute of Technology, Dhanbad.
- **Dr. Ravi Kashikar** joined as an Assistant professor in the Department of Basic Sciences. He holds a Ph.D. from Indian Institute of Technology, Madras and works in the area of theoretical condensed matter physics.
- **Dr. Nishant Sharma** joined as an Assistant professor in the Department of Civil Engineering. He holds a Ph.D. from Indian Institute of Technology, Guwahati and works in the area of Structure Engineering.
- **Dr. Rahul Kumar** joined as an Assistant professor in the Department of Electrical and Computer Science and Engineering. He holds a Ph.D. from Indian Institute of Technology, Jodhpur and works in the area of Micro Electronics .
- **Dr. Ayyanna Habal** joined as an Assistant professor in the Department of Civil Engineering. He holds a Ph.D. from Indian Institute of Technology, Bombay and works in the area of Transportation Engineering.

Workshops Organized

- Department of Civil Engineering organized a 5-day STTP on Urban Water Supply and Sewerage Systems during June 22-27, 2024, for practicing Engineers of Municipal Corporations across Gujarat. The STTP was powered by Gujarat Urban Development Institute.



- A session on Exam Stress Management by Ms. Alfiya Nagriwala, Counsellor IITRAM, outlining practical strategies for overcoming exam-related stress just before the end semester exams on 16.04. 2024.



- Counselling center also organized a stress management and Being fit at work session on 20.05.2024 at IITRAM for the staff of IITRAM in collaboration with Dr. Meena Shah. Aimed to mental health and well-being of employees.



Awards & Recognition

- **Dr. Krupa Shah**, Assistant Professor, Department of Electrical and Computer Science Engineering, received financial assistance from Science and Engineering Research Board (SERB), International Travel Grant to participate at the 60th IEEE Industrial & Commercial Power Systems Technical Conference, USA held during 19.05.2024 to 23.05.2024.
- **Dr. Sumit Tripathi**, Assistant Professor, Department of Mechanical and Aerospace Engineering, received the INSA Visiting Scientist Fellowship 2024 (FY 2024-25) for a short research activity at IIT Gandhinagar.
- **Dr. Sumit Tripathi**, Assistant Professor, Department of Mechanical and Aerospace Engineering, as Convener of International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT 2024) secured funding of Rs.1.5 Lakhs from DST-SERB under SERB-SSY Scheme. The 2nd ICFAMMT 2024 was jointly organized by Department of Mechanical Engineering, IITRAM Ahmedabad, and Space Society of Mechanical Engineers, SAC, ISRO, Ahmedabad.

- **Dr. Manjunath**, Assistant Professor, Department of Electrical and Computer Science Engineering, received sanction letter of value Rs.1.0 Lakhs for supporting research work of Mr. Amarjeet Pandey, Ph.D. student regarding R&D Grant-in-aid Scheme from Institution of Engineers India.
- **Dr. Kamlesh Joshi**, Assistant Professor, Department of Mechanical and Aerospace Engineering, received a SERB-DST sponsored project titled “Surface enhancement of bioresorbable Mg alloys for consumable implants using slow tool servo diamond texturing” in collaboration with Prof. Rakesh G. Mote from IIT Bombay. The project grant is Rs. 16.8 Lakhs and the duration of the project is 3 years.

STUDENT ACTIVITIES

Ms. K. Yasasvitha, PhD student in the Department of Electrical and Computer Science Engineering, received WISE-PhD fellowship for a period of 3 years.

Mr. Aditya Narayan Singh, B.Tech 2nd year student, Department of Mechanical and Aerospace Engineering secured distinction certificate in an GO4youth olympiad held internationally. The results were declared on 05.06.2024 on World Environment Day 2024.

B.Tech students participated in the 'Model Making Competition for Sustainable Infrastructure' on Viksit Bharat @ 2047 on 10.04.2024. A total of 4 teams participated in the competition.



Team Astopeep of IITRAM was selected for the final launch of CANSAT competition on 17.04.2024 organized by Indian Space Promotion and Authorisation Centre (IN-SPACE) in association with Astronautical Society of India (ASI) in association with ISRO.



The Student Activity Center appointed Pihu Saharan, Kushagra Gupta and Jay Magandiya as the President and Vice Presidents respectively.

Students celebrated Shramik Divas on 01.05.2024 to honor the hard work of mess staff by serving them meals.

Students celebrated World Environment Day in online mode on 05.06.2024 to create awareness about saving environment.



Ph.D. Theses Defended

- **Rajesh LekkiReddy**, Doctoral Scholar, Department of Electrical and Computer Science Engineering, under the supervision of Dr. Krupa Shah defended his Ph.D. thesis titled “Characterization of the Frequency Response Analysis and Differential Protection of Multi-Winding Power Transformers” on 1.04.2024.
- **Varsha Kshirsagar**, Doctoral Scholar, Department of Electrical and Computer Science Engineering, under the supervision of Dr. Raghavendra Bhalerao defended her Ph.D. thesis titled “Characterization of the Frequency Response Analysis and Differential Protection of Multi-Winding Power Transformers” on 02.04.2024.
- **Pari Kundaliya**, Doctoral Scholar, Department of Basic Sciences, under the supervision of Dr. Sudhakar Chaudhary defended her Ph.D. thesis titled “Finite Element Method for Time-Fractional Partial Differential Equations with Nonlocal Diffusion Term” on 18.04.2024.
- **Madhu Pandey**, Doctoral Scholar, Department of Basic Sciences, under the supervision of Dr. Mahuya Bandyopadhyay defended her Ph.D. thesis titled “Acid/base and Zn-Complex Modified Mesoporous Materials for Epoxide Ring Opening Reaction, Degradation of Dyes and Adsorption of Heavy Metals” on 19.04.2024.
- **Jeel Shaileshkumar Swami**, Doctoral Scholar, Department of Basic Sciences, under the supervision of Dr. Brajesh Tiwari defended her Ph.D. thesis titled “Electronic and Magnetic Properties of Cr-based Perovskites” on 18.04.2024.
- **Hardik Haresh Gajjar**, Doctoral Scholar, Department of Civil Engineering, under the supervision of Dr. Jaidevi Jeyaraman defended his Ph.D. thesis titled “Improvements in Indoor and Outdoor Thermal Comfort in Semi-Arid Climate through Choice of Mitigation Strategies” on 10.05.2024.