

# IITRAM NEWS

A quarterly Newsletter of IITRAM, Ahmedabad

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## INSTITUTE HIGHLIGHTS

### Foundation Day Celebrations

IITRAM celebrated 11 years of inception on 16.10.2024, by acknowledging the years of dedicated and steadfast academic excellence and innovation on its 11th Foundation Day. Prof. B.N. Singh, Vice Chancellor of Rajiv Gandhi National Aviation University was the chief guest of the occasion. This marked a significant milestone in the institute's journey, highlighting the pursuit of excellence that define IITRAM.



### 5-star Rating by GSIRF

The Executive Committee of the Knowledge Consortium of Gujarat (KCG) established by the Department of Education, Government of Gujarat on the recommendation of the duly appointed agency, the Indian Centre for Academic Rankings & Excellence (ICARE) has announced the Gujarat State Institutional Rating Framework (GSIRF) rating of Higher Education Institutions across the state of Gujarat for the year 2023-24. IITRAM has secured 5-star rating in the category of 'UNIVERSITIES' on the basis of comprehensive performance metrics as set out in the GSIRF.



### Potential Collaborations

Potential collaboration between IITRAM and IIFT's GIFT City Center was discussed at length on 01.10.2024. Dr. Prateek Maheshwari and Prof. Sunitha Raju from IIFT Delhi, and faculty representatives from IITRAM explored opportunities for joint initiatives, such as short-term programs, MDPs, and training sessions.

A discussion for potential collaboration between IITRAM and Deepak group was explored during a site visit to Deepak Phenolics plant at Dahej by IITRAM team on 10.12.2024.



### Visit by School Students

As part of institute's outreach activities, high school students of Pragati School, Maninagar visited IITRAM on 08.12.2024. During their visit, the students had the opportunity to learn Mathematics under "Project-based learning" with an expert talk on Fractal Geometry.



## CONFERENCES ORGANIZED

The 2nd International Conference on Innovation in Infrastructure (ICIIF 2024) was organized at IITRAM. The 3-day event, held from 15.11.2024 to 17.11.2024, witnessed enthusiastic participation from researchers, industry leaders, and academicians from across the globe.



The Centre of Excellence in Drone Technology, IITRAM Ahmedabad organized a Short-Term Training Program on the topic "Basics of Drone Design, Navigation and Regulations" from 18.11.2024 to 22.11.2024.



Department of Civil Engineering, IITRAM conducted a 5-day STTP of Gujarat Urban Development Institute (GUDI), Government of Gujarat for Practicing Engineers of various municipal corporations across Gujarat on 'Road and Bridge Infrastructure' from 18.11.2024 to 22.11.2024.



### PATENT GRANTED

Deep Learning and Image Analysis Based Spray Control Apparatus for Crop Illness Management. Inventors include **Dr. Ram Narayan Yadav**, Assistant Professor, Department of Electrical and Computer Science Engineering, **Victor Azad**, **Anuj Kumar Jha**, **Sintu Raj**, **Aditya Chouhan**, **Shreyank Kumar**, **K. Yasasvitha**. The patent number is 554175, granted on 12.11.2024.

Method and System for Assessing Health of Three Phase Transformers Through Capacitive Behaviour Analysis. Inventors include **Dr. Krupa Shah**, **Dr. Raghavendra Bhalerao**, Assistant Professors, Department of Electrical and Computer Science Engineering **Rajesh Kumar Lekkireddy**, PhD student, Department of Electrical and Computer Science Engineering. The Patent number is 555539, granted on 29.11.2024.

### SPONSORED & CONSULTANCY PROJECTS

**Dr. Krupa Shah** and **Dr. Raghavendra Bhalerao**, Assistant Professors, Department of Electrical and Computer Science Engineering along with collaborators from GCRI, have been awarded a grant of Rs.9.8 Lakhs by i-Hub Gujarat. AIM Biopsy Tech has received a grant under the Startup Srujan Seed Support (S4) Programme of iHub.

**Dr. Ajit Parwani**, Associate Professor, Department of Mechanical and Aerospace Engineering successfully completed the EMR project, "Estimation of Thermal Boundary Conditions for Cylindrical Tube Heat Exchangers Using Efficient IHTT," with financial support from the ANRF under EMR/2016/007821.

### STUDENT ACTIVITY CENTER

#### Emotional Space Open Discussion Session on Mental Health Day

The Counseling Center and the Student Activity Center (SAC), organized a session on Mental Health Day on 11.10.2024. The event provided a safe space for students to openly share their emotions and experiences, fostering a sense of relief and support. Participants engaged in discussions on coping strategies, emphasizing the importance of mental well-being in a supportive community.

#### Training workshop on High Energy Work and Positive Life

Dr. Meena Shah, Health & Life Coach, CEO of Medico-Media & Founder- Director of Namaste Life Healthcare Foundation and Mrs. Pragna Shah, Yoga and Nutrition specialist conducted a training workshop for IITRAM staff on 10.10.2024. The session focused on enhancing workplace efficiency, energy, and vitality while promoting self-awareness, positivity, and motivation.



### SOCIAL EVENTS@IITRAM

Student Activity Center (SAC) organized various social events including Swachhata Hi Seva from 30.09.2024 to 02.10.2024 at the institute premises. In line with the event, a cleanliness drive was held on 02.10.2024.



Prayaas 4.0, a Cloth Donation drive, was organized on 07.12.2024. The initiative aimed to bring warmth and

comfort to those in need by collecting and distributing gently used clothing to underprivileged communities.

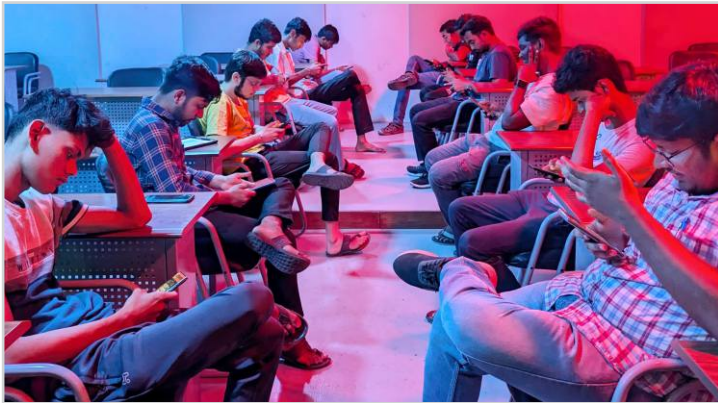
### Cyber Security Awareness Program

The National Service Scheme (NSS) IITRAM, in collaboration with the Student Activity Centre (SAC) organized a Cyber Security Awareness Program during 16.11.2024 and 17.11.2024. The initiative aimed to educate participants about the growing importance of cyber security in today's digital age, and featured expert-led sessions, interactive workshops, and real-world case studies, focusing on topics such as data protection, secure online practices, and recognizing cyber scams.



### TECHNICAL EVENTS@IITRAM

The Student Activity Centre (SAC) organized E-Sports Tournament from 13.10.2024 to 18.10.2024. The event brought together gaming enthusiasts to showcase their skills in some of the most popular competitive games, including Clash Royale, BGMI, Free Fire, and Valorant. The tournament aimed to foster camaraderie, teamwork, and strategic thinking among participants while celebrating the growing culture of e-sports.



A role-play event on Startup Funding was organized on 22.10.2024 to explore different types of funding essential for entrepreneurs, including: Pre-seed Funding, Seed Funding, Series A, B, C Funding, Initial Public Offering (IPO). The event allowed participants to engage in a simulated funding process where an entrepreneur sought investments from a group of angel investors, followed by venture capitalists.

The Economics Club organized an insightful session on Economic Indicators on 19.11.2024 aimed at enhancing students' understanding of the critical metrics that drive economies worldwide. The session provided an excellent platform for participants to delve into the significance, interpretation, and real-world applications

of key economic indicators such as GDP, inflation, unemployment rates, and trade balances.

A technical event on IoT Challenge was held on 16.10.2024 inviting participants to develop innovative solutions using Internet of Things (IoT) technology. The key aspect of the competition was to create a functional IoT system under a budget constraint of Rs.500, excluding the cost of the development board. A total of 15 teams participated in the event.

The Coding Club IITRAM organized Hack Genesis 24 a Hackathon event from 08.11.2024 to 10.11.2024. The event known for its fast-paced and high-energy environment encouraged participants to think outside the box, experiment with new ideas, and develop functional prototypes or applications.



A photography editing workshop was conducted by **Mr. C.P. Joglekar**, Registrar IITRAM, on 21.11.2024. The event provided a platform for participants to learn advanced editing techniques, focusing on both theoretical concepts and practical applications.



### CULTURAL EVENTS@IITRAM

The Student Activity Cell (SAC) organized Garba Festival on 07.10.2024 and 08.10.2024 for the students, faculty, and staff of IITRAM. The two-day celebration was held to commemorate the festive spirit of Navratri on campus.



A musical event was held at IITRAM on 16.10.2024. The events which includes poetry, musical performances and dance brought together performances by faculty members, students and staff of the institute.



Institute celebrated International Men's Day on 19.11.2024, recognizing contributions of men in the society. The event emphasized gender equality, mental health awareness, and holistic development. Dr. Akshat Gupta, an advocate for men's well-being, delivered a keynote on mental health, societal expectations, and achieving a balanced society.

Institute commemorated Veer Baal Diwas on 26.12.2024. The event featured debate, poetry, and essay competitions, encouraging students to reflect on the values of courage and righteousness. These activities served as a tribute to their legacy while inspiring participants to uphold these ideals.

### SPORTS EVENT@IITRAM

The Student Activity Center (SAC) IITRAM organized a series of sports events, including a Tug of War (16.10.2024), the Intra Volleyball Tournament (19.10.2024 to 21.10.2024), and the Intra Cricket Tournament (15.11.2024 to 17.11.2024). TNT 11 (faculty and non-teaching staff) won the Intra Cricket Tournament, with Phoenix Strikers as runners-up, while Team Starlight emerged as the winning girls' team. The



events fostered sportsmanship, teamwork, and a spirit of healthy competition among participants.

IITRAM students actively participated in Inter-Institute Sports Tournaments. The students participated in Cricket, Volleyball, Football, Chess, Table Tennis, Girls' Volleyball and Badminton in Concur's 2024, held at DAICT Gandhinagar from 06.11.2024 to 11.11.2024. They also showcased their talent at the IIM Ahmedabad

Sports Tournament 2024, held from 21.11.2024 to 24.11.2024, competing in Kabaddi and Volleyball against athletes from premier institutes. These events provided students with an excellent platform to demonstrate their skills, teamwork, and sportsmanship.



### Student Achievements

- Development of new Apps for Mess Management and Health Management, streamlining campus services created and introduced by students **Manish Kumar**, **Hemanshu Tala** and **Satyam Kumar** on 05.10.2024.
- IITRAM Kabaddi Team emerged victorious in the IIM Ahmedabad Inter Sports Tournament – SHAURYA held from 21.11.2024 to 24.11.2024.
- **Madhan Tirri**, **Rudra Pratap Singh**, **Sohil Sheik**, B.Tech. 1st Year Department of Electrical and Computer Science Engg and **Vivek Sri Sai Chinthakayala** B.Tech. 1st Year Department of Civil Engineering secured the runner-up position in the Best Mechanism category at Blix-A-Thon, IIT Bombay TechFest (Blix ID: 230444) held from 17.12.2024 to 19.12.2024.



### Career Development Cell

A panel discussion on Disruptive Technology and Future Engineers was held on 16.10.2024. The expert panel included Sapan Oza, Regional Head, Academic Alliance Group, Tata Consultancy Services Ltd. Ashish Joshi, Associate Director, Brand and Digital Marketing, Hi-tech Digital, Dr. Mungule Mahesh, Chairperson, CDC, IITRAM, Dr. Pravin Jadhav, Associate Professor, Economics, and Head of HSS Department, IITRAM. The session was moderated by Dr. Kannan Iyer, Associate Professor,



Department of Civil Engineering, IITRAM.  
IITRAM participated in the 13th edition of the TCS Fit4Life Corporate Challenge, held at Sabarmati Riverfront, Ahmedabad on 01.12.2024. Staff and students joined the



5km marathon, promoting fitness and well-being.

A pre-placement talk was conducted on 06.12.2024, providing insights into career opportunities at TCS. The session covered TCS's work culture, recruitment process, job roles, and career growth prospects. Highlighted key skills and expectations, offering guidance to students on preparing for the selection process.



### Ph.D. Theses Defended

**Tejaskumar Ishvarbhai Patel**, Doctoral Scholar, Department of Electrical and Computer Science Engineering, under the supervision of **Dr. Priyesh Chauhan** defended his Ph.D. thesis titled "Pre-Synchronization Control Techniques for Seamless Plug-And-Play of Energy Sources in AC Microgrid" on 07.10.2024.

**Manu Manohar Ezhave**, Doctoral Scholar, Department of Basic Sciences, under the supervision of **Dr. Sourav Das** defended his Ph.D. thesis titled "Synthesis and Characterization of Co (II/III) Based Molecular Complexes: Magnetic and Electrocatalytic Application" on 16.10.2024.

**Amit K. Bhojani**, Doctoral Scholar, Department of Basic Sciences, under the supervision of **Dr. Dheeraj Kumar Singh** defended his Ph.D. thesis titled "Unveiling The Physical Properties of Two-Dimensional Group-Iv-Based Chalcogenides and Pnictide for Solar and Heat Energy Harvesting" on 18.10.2024.

**Shivang Dineshkumar Jayswal**, Doctoral Scholar, Department of Civil Engineering, under the supervision of **Dr. Mahesh Mungule** defended his Ph.D. thesis titled "Performance Assessment of Blended Mortars for Development of Cost Effective High Strength and Ultra High Strength Concrete" on 18.11.2024.

**Parikshit Paredi**, Doctoral Scholar, Department of Basic Sciences, under the supervision of **Dr. Mahuya Bandyopadhyay** and co-supervision of **Dr Sourav Das** defended his Ph.D. thesis titled "Ni/Cu Metal Complexes Immobilized Nanoporous Materials for Potential Industrial Applications" on 27.11.2024.

**Priyank Udaybhai Trivedi**, Doctoral Scholar, Department of Civil Engineering, under the supervision of **Dr. Jiten Shah** defended his Ph.D. thesis titled "Road Accident Severity Analysis with Prioritization of Safety Improvements by Integrating the Multi Criteria Decision Making Approach" on 11.12.2024.

**Parth Rajeshkumar Sathavara**, Doctoral Scholar, Department Mechanical and Aerospace Engineering, under the supervision of **Dr. Ajit Kumar Parwani** defended his Ph.D. thesis titled "Estimation of Material Thermal Properties using the Modified Conjugate Gradient Method" on 19.12.2024.

## GET IN TOUCH

### Outreach and Alumni Affairs

Dr. Manish Sharma  
E-mail: dean\_OAA@iitram.ac.in

### External Communications

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

### Office

E-mail: office@iitram.ac.in

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E-mail: extcomm@iitram.ac.in

Website: [www.iitram.ac.in](http://www.iitram.ac.in)

Office : E-mail: office@iitram.ac.in