

# IITRAM NEWS

A quarterly Newsletter of IITRAM, Ahmedabad

## INSTITUTE HIGHLIGHTS

### New Director

**Prof. M.K. Barua**, Professor in the Department of Management Studies at the Indian Institute of Technology Roorkee, joined IITRAM as the Director. Prof. Barua took charge of the office on 13.03.2024.

### Republic Day celebration

IITRAM celebrated the 75th Republic Day on campus. The event was graced by the Director General, **Prof. B.N. Singh**. Various events including dance performances, rangoli competitions, and more were organized as part of the festivities.



### Vibrant Gujarat Summit 2024

IITRAM participated in the exhibition in the Vibrant Gujarat Global Trade Show 2024 from 10.01.2024 to 12.01.2024. Faculty members, staff, and students of IITRAM enthusiastically participated in the Vibrant Gujarat Summit 2024.



### International Conference, ICFAMMT

IITRAM in collaboration with SSME, SAC, ISRO organized the 2nd International Conference on Futuristic Advancements in Materials, Manufacturing, and Thermal Sciences (ICFAMMT 2024) from 19.01.2024 to 21.01.2024. With over 250 attendees from both India and overseas, the conference saw the presentation of a total of 207 full papers. The Inaugural function was

graced by Padma Shri AS Kirankumar, former Chairman, ISRO and Prof. Avinash Kumar Agrawal, IIT Kanpur as Chief Guest and Guest of Honor respectively.



### Event on Viksit Bharat @2047

IITRAM organized a group discussion with the students on 17.01.2024 to share thoughts and ideas on what a developed India, termed "Viksit Bharat," might look like by 2047 and the steps that are needed to achieve it, as part of "Viksit Bharat @ 2047: Voice of Youth" initiative.



### SSIP 2.0 Sensitization Program

The Student Startup Innovation Policy Cell of IITRAM held the SSIP-2.0 Sensitization Program on 06.03.2024. The event was organized to apprise the students of the eligibility criteria, application procedure and support under the Student Startup and Innovation policy.

### Basic Life Support Training

Dr. Meet Bhuta, an Emergency and Critical Care Specialist, conducted a comprehensive Basic Life Support training session at IITRAM. Dr. Bhuta shared invaluable insights and practical knowledge to equip participants with life-saving skills and protocols.

### Science Carnival

IITRAM participated in the Science Carnival at the Science Carnival held at Science City, Ahmedabad, from 28.02.2024 to 03.03.2024. Through an engaging exhibition stall, IITRAM showcased innovative projects

and research endeavors, capturing the interest of numerous school students and visitors.



### Science Day

IITRAM celebrated Science Day with a talk on “Indian Contributions to Modern Science” delivered by Dr. Brajesh Tiwari, Department of Basic Sciences, on 28.02.2024. The talk highlighted the significant achievements and contributions of Indian scientists to the global scientific community.

### DISTINGUISHED VISITORS AND INVITED TALKS

#### Distinguished visitors

- Prof. Sudhir K. Jain, Chairman, BOG visited the institute on 05.02.2024 and interacted with the faculty and students.
- An Expert Talk on “Role of Digital Technology in Green Energy Transition” was organized at the Department of Electrical and Computer Science Engineering, IITRAM on 07.02.2024. The talk was delivered by Prof. S. N. Singh, Director of ABV-Indian Institute of Information Technology & Management Gwalior, and Professor in the Department of Electrical Engineering at IIT Kanpur. The event was held in collaboration with the IEEE Gujarat Section Joint Chapter of IE-IA-PEL Societies.
- An Expert Talk on “Development and Structural Analysis of Biomimetic Flapping Wings” was held at the institute on 09.02.2024. The talk was delivered by Prof. Sudhir Kamle, Department of Aerospace Engineering IIT Kanpur.
- Dr. Debasis Das, Associate Professor, Dept. of Computer Science and Engineering IIT Jodhpur, delivered an informative and engaging talk on “Edge Intelligence based Generative AI” on 16.02.2024.
- An Expert Talk on “VLSI in Avionics” was organized by the Center of Excellence - Drone Technology and Career Development Cell at IITRAM on 09.03.2024. The talk was delivered by Mr. Nilesh Ranpura, Director of ASIC, elnfochips.

### FACULTY NEWS

#### New Faculty

**Dr. Rohan Kar** joined as Assistant Professor in the Department of Civil Engineering. He holds a Ph.D. in Civil Engineering from IIT Bhubaneswar with specialization in

Water Resources Engineering.

**Dr. Saurabh Sinha** joined as Assistant Professor in the Department of Humanities and Social Sciences. He holds a Ph.D. in Psychology from Banaras Hindu University, Varanasi with specialization in I/O psychology and Human Resource Management.

### WORKSHOPS ORGANIZED

#### NEP 2020 workshop

- SVNIT Surat, IITRAM, NIPER Ahmedabad, and GTU Ahmedabad jointly organized a two-day workshop on the National Education Policy (NEP) focusing on Research, Innovation, and Entrepreneurship in Technical Education. The event took place at SVNIT Surat during 10.02.2024 and 11.02.2024.
- A one-day workshop on “PM Fasal Bima Yojna: Impact, Awareness, and Challenges” was held on 14.03.2024 at IITRAM. This workshop was part of the ICSSR Short-Term Empirical Research Project (Collaborative) focusing on the theme of PM Fasal Bima Yojana: A study from Gujarat and Chhattisgarh State.
- **Dr. Ram Narayan Yadav**, Assistant Professor, Electrical and Computer Science Engineering co-organized The International Workshop on Machine Learning and Blockchain for Smart Society (MLBSS-2024) in conjunction with The 25th International Conference on Distributed Computing & Networking (ICDCN 2024), IIT Madras, Chennai, India on 04.01.2024-07.01.2024.



- A One-Day Workshop on “3D Casting Design and Simulation Techniques” was held at the Department of Mechanical and Aerospace Engineering, IITRAM, on 17.02.2024. in collaboration with the Institute of Indian Foundrymen - Ahmedabad Chapter, hosted by Siemens Centre of Excellence. The workshop provided industry professionals with a platform to delve into the intricacies of modern foundry technology.

#### Awards & Recognition

**Dr. Sumit Tripathi**, Assistant Professor, Department of Mechanical and Aerospace Engineering, as Convener of ICFAMMT 2024 secured funding of Rs. 1.5 Lakhs from DST-SERB under SERB-SSY Scheme. The 2nd International Conference on Futuristic Advancements in Materials, Manufacturing and Thermal Sciences (ICFAMMT 2024) was jointly organized by Department of

Mechanical Engineering, IITRAM Ahmedabad, and Space Society of Mechanical Engineers, SAC, ISRO, Ahmedabad.



**Dr. K. Manjunath**, Assistant Professor, Department of Electrical and Computer Science Engineering, received sanction letter of value 1,00,000 INR for supporting research work of Mr. Amarjeet Pandey 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. 16,80,000 and the duration of the project is 3 years.

#### Patents Granted

- Wheelchair Convertible Stretcher for Patients. Inventors include **Dr. Mithilesh Kumar Dikshit, Dr. Gautam Choubey, Uma Rai, Jaymin Janardan Shukla, Jahnvi Mukeshbhai Katakpara**. The patent number is 157018 granted on 15.02.24.
- Testing Machine for Endodontic Files. Inventors include **Dr. Ganesh Iyer, Dr. Kumar Abhishek, Dr. Kamlesh Joshi, Tarun Rijwani** and other co-inventer. The Indian Patent for Design 382166-001 granted on 23/03/2023.
- Camera Guided Endodontic Instruments Recovery Tool. Inventors include **Tarun Rijwani, Dr. Ganesh Iyer, Dr. Kumar Abhishek** and other co-inventer. The Indian Patent for Design- 405872-001 granted on 29.01.24.
- Fabrication of Bioresorbable Cellular Magnesium Alloy Sandwich Composite Coated with Hydroxyapatite for Bone Implant Applications. Inventors include **Makwana Dhaval Natvarlal and Dr. Pramod Bhingole**. The patent number is 519369 granted on 04.03.24.

#### STUDENT ACTIVITIES

Vishakha Shah, B.Tech Student, Electrical Engineering was selected for Yuva Sangam Phase IV, a part of Ek Bharat Shreshtha Bharat initiative by the Govt. of India.

Aditya Narayan Singh, second year B.Tech student of Department of Mechanical and Aerospace Engineering,

IITRAM secured first position all over India in the National Quiz, "Bharitya Kreedha Exam". He was felicitated by Cabinet Minister in Ghaziabad on 18.02.2024. IITRAM CANSAT student team Astropeep qualified for the final launch of the CANSAT event organized by IN-SPACE and ASI.

A Voter Awareness Program was conducted at IITRAM on 19.03.2024 with an aim to educate and engage students, faculty, and staff members about their role and importance in the electoral process. The program was conducted by Student Affairs Team and the talk was delivered by Mr. Ronak Modi and Jatin Pandya.

#### Blood Donation Camp

The 6th Blood Donation Camp was organized by IMechE Student Chapter, Department of Mechanical and Aerospace Engineering in association with Indian Red Cross Society, Ahmedabad District Branch on 08.02.2024.



#### GICEA Gold Medals

Three alumni from the recently graduated batch of Civil Engineering students from IITRAM have been awarded the prestigious GICEA gold medals. IITRAMs 2023 alumni Munish Kumar received C.M. Raval (C/O Raval and Raval)-GICEA Gold Medal for B.Tech Civil Engineering. Parmar Nilrajsinh Dharmendrasinh received RJD Buildcon Ltd – GICEA Gold Medal for M.Tech Civil Engineering (Urban Infrastructure). Malvania Vatsal Rajendrakumar received Anjanaben Rajnikant Bhagatwala- GICEA Gold Medal for M.Tech Civil (Geotechnical Engineering).

#### Cloth Donation Drive

Team Dayatva organized Prayaas 3.0, a cloth donation drive, with the aim of providing support to those in need. This initiative is part of Dayatva's ongoing commitment



to community-centric activities, dedicated to making a positive impact on society.

### Career Development Cell

The Career Development Cell IITRAM organized a session on "Resume Building" on 03.02.2024. The talk was delivered by Mr. Ritesh Pal, Head-HR, Deepak Group.

### Sports

Around 50 students participated in GNLU Justice League VIII Tournament in various games such as cricket (boys & girls), volleyball, futsal, kabaddi and athletics from 10.02.2024 to 13.02.2024.



Student Activity Center (SAC) and Student Affairs, IITRAM organized Intra IITRAM Indoor Sports Tournament on 27.01.2024 to 28.01.2024. A total of 104 players participated in the games of Table Tennis, Carrom and Chess.



Intra IITRAM Cricket Championship Tournament was conducted from 10.03.2024 to 17.03.2024. A total of 16 teams- 14 boys and 2 girls along with IITRAMs alumni and faculty participated in the tournament.

The Science and Technology Club at SAC IITRAM hosted a four-day e-sports event featuring competitive gaming in various titles, including BGMI, Valorant, Free-Fire, and Clash Royale.

The Sports and Games club, SAC IITRAM organized a one-day badminton event on 31.03.2024 where the badminton enthusiasts showed their skill.



### Events at IITRAM

International Mother Language Day was observed on 27.02.2024 to promote linguistic and cultural diversity and multilingualism. During the celebration, students engaged in discussions highlighting the pivotal role of mother languages in national development.

Literary and Cultural club, Student Activity Center, IITRAM organized International Women Day on 08.03.2024. The theme centered around the Empowerment of Women in Viksit Bharat. Weekly Educational series was organized from 25.01.2024 to 22.02.2024.

A cultural event followed by farewell to outgoing students (2024 batch) was organized during the two-day event at Open Air Theatre of IITRAM on 29.03.2024 to 30.03.2024.



### GET IN TOUCH

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**Published by:** External Communications, IITRAM

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