

Conveners:

- **Dr. Abhishek Rawat**
Associate Professor
Electrical & Computer Science Engineering, IITRAM
E-mail: arawat@iitram.ac.in
- **Dr. Ajit Kumar**
Assistant Professor
Mechanical & Aerospace Engineering, IITRAM
E-mail: ajitkumar@iitram.ac.in

Accommodation:

Accommodation request can be processed with nearby tied-up hotel on payment basis. Please contact the organizers for details.

Venue for the Workshop:

Institute of Infrastructure Technology Research and Management (IITRAM)
Near Khokhra Circle, Maninagar (East),
Ahmedabad – 380026

Registration fee (in INR) / participant:

- Faculty / industrial professionals: 4000
- Research Scholars/Students: 1000
- A course kit, lunch and high tea will be served during the STTP period.

Contact Details:

For further queries:

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- Usha Patel
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Bank Details:

- Bank Name: Axis Bank Ltd
- Bank Account Name: Institute of Infrastructure Technology Research and Management
- Bank Account Number: 923010019592531
- IFSC Code: UTIB0002645
- Branch Name: Hatkeshwar Branch, Ahmedabad
- MICR Code: 38021104

Important Dates:

- Start of Registration : July 05, 2025
- Last date of Registration : September 30, 2025
- STTP dates : 6th to 10th October 2025
- Registration link : <https://shorturl.at/D5Ynl>

Scan for Registration



Five-Day Short-Term Training Program (STTP) on **DEVELOPMENT & RESEARCH ON NOVEL ENGINEERING IN DRONES (DRONE-25)**

6th to 10th October 2025



Organized by
Center of Excellence Drone Technology
**Institute of Infrastructure, Technology, Research
and Management (IITRAM)**

(An Autonomous University established by Government of Gujarat)

Near Khokhra Circle, Maninagar (East), Ahmedabad- 380026, Gujarat, India

Phone: 079-67775488/67775499 Fax: 079 6777 5475

<http://www.iitram.ac.in>

About IITRAM:

The Institute of Infrastructure Technology Research and Management (IITRAM) in Ahmedabad is a premier institution established by the Government of Gujarat to promote high-quality technical education and research in the field of infrastructure. Located in the vibrant city of Ahmedabad, IITRAM stands at the forefront of innovation and academic excellence. The institute's vision is to be a globally recognized institution in infrastructure technology, fostering innovation, research, and holistic development of students. IITRAM boasts state-of-the-art facilities, including cutting-edge laboratories, modern classrooms, and a well-stocked library to support hands-on learning and research. The institute is proud of its expert faculty, comprising highly qualified and experienced professors dedicated to nurturing the next generation of infrastructure professionals. Strong partnerships with leading companies provide students with real-world exposure and internship opportunities, emphasizing the importance of industry collaboration.

COE Drone Technology:

The Centre of Excellence (CoE) - Drone Technology at IITRAM Ahmedabad has established a state-of-the-art lab to support cutting-edge research and education in the advancement and application of this Unmanned Technology of Drones.

The center has developed the capability to design and assemble multirotor and fixed wing UAV. The center

includes workspaces with basic infrastructure for small drone fabrication, system integration, and field tests. It also provides a platform for industry experts, professionals, and researchers in drone technology to share their knowledge on design, innovations, utilization, research, and applications. The center has also initiated flight tests using swadeshi Navigation with Indian Constellation (NAVIC) and developed capability of the SLAM based Drone operations.

STTP Theme:

Drones, or Unmanned Aerial Vehicles (UAVs), are revolutionizing modern industries through rapid advancements in aerodynamics, intelligent control systems, and cutting-edge onboard technologies. The Short-Term Training Program (STTP) titled "Development and Research on Novel Engineering in Drones (Drone-25)" is designed to delve into pioneering engineering approaches that enhance the performance, reliability, and autonomy of UAVs. This program will comprehensively cover critical areas such as advanced propulsion systems, sensor integration, energy-efficient designs, structural innovations, and real-time communication technologies. Each session will focus on a core domain of UAV engineering and feature expert-led lectures, supported by hands-on demonstrations, simulations, and case studies offering a balanced blend of theoretical foundation and practical insights.

STTP Highlights:

- Expert sessions led by distinguished speakers from premier academic institutions and leading industries.
- Interactive modules emphasizing drone design, development, and hands-on experimentation.
- Live demonstrations of multirotor UAVs and real-time flight control.
- Hands-on practice using drone simulators.
- Comprehensive coverage of core topics: drone design, navigation, control, and guidance systems.
- Deep dive into UAV fundamentals, flight dynamics, and control algorithms.
- Exploration of real-world industry applications and emerging research trends.
- Integrated sessions featuring live demos and participant interaction.

Resource Persons

Experts from leading IITs, NITs, reputed institutions, and industry will share their insights through lectures and interactive hands-on sessions.

Patron:

Prof. P. K. Jain

Director General, IITRAM, Ahmedabad

Chairman

Prof. M. K. Barua

Director, IITRAM, Ahmedabad