

About IITRAM

Institute of Infrastructure, Technology, Research and Management (IITRAM) has been established by the Government of Gujarat as an Autonomous University and has been mandated to bring about significant change in Engineering Education with respect to Technical and Managerial knowledge in the area of Infrastructure development. The objective of the Institute is to serve as the Center of Excellence in Research and Teaching in all areas pertaining to Infrastructure development, and the Institute has a vision of acquiring a status of National eminence in Infrastructure and related areas.

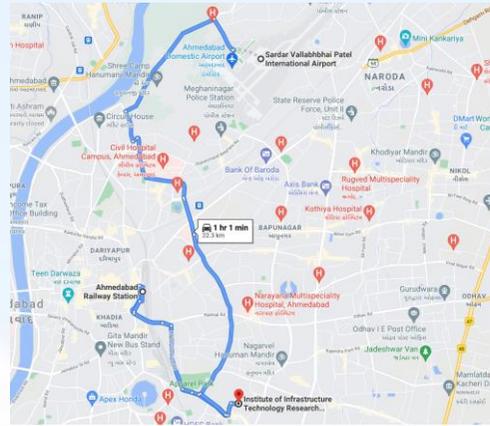
About CoE- Advanced Defence Technology

The Centre of Advanced Defence Technology (CADT) was established at IITRAM with the mandate to facilitate and promote studies, research, technology incubation, product innovation, and extension work in the Defence sector. CADT aims to enhance the availability of skilled human resources in the domain of Defence Technologies while supporting Defence industries and organizations in teaching, learning, and research on advanced Defence Technologies.

About CoE - Aerospace and Defence

The Centre of Excellence in Aerospace and Defence was established at IITRAM by the Govt. of Gujarat with a mandate to develop facilities and equipment, offer courses/electives/PG programs, and support technology incubation and product development in the domain of aerospace and defence technologies. The centre promotes research in the domains of control, propulsion, aerodynamics, and structures for aerospace systems.

Location



National Conference on Recent Advances in Defence and Aerospace Research (RADAR 2025)

01 – 02 August 2025



Registration fee (in INR) / participant:

Faculty/Scientist/Industry	₹3500
Research Scholars/Students	₹2000
Accompanying Person	₹1500

Key Dates

Abstract Submission (extended)	10.07.2025
Intimation of Acceptance	15.07.2025
Registration Deadline	20.07.2025

Important Links

Abstract Submission Link:

<https://cmt3.research.microsoft.com/RADAR2025>

Website: <https://iitram.in/radar25/>

Contact Email: radar2025@iitram.ac.in

Jointly Organized by

Centre of Excellence for Advanced Defence Technology
and
Centre of Excellence in Aerospace and Defence
**Institute of Infrastructure, Technology, Research
and Management (IITRAM)**
Near Khokhara Circle, Maninagar East,
Ahmedabad, Gujarat 380026,

Website: www.iitram.ac.in

About the Conference

The National Conference on Recent Advances in Defense and Aerospace Research (RADAR-2025) aims to bring together leading experts, researchers, and industry practitioners to explore cutting-edge developments and transformative innovations shaping global defense and aerospace sectors. By showcasing breakthrough technologies, advanced materials, AI-driven defense systems, autonomous flight, and next-generation propulsion, RADAR-2025 fosters meaningful discussions and cross-sector collaborations. This forum will highlight emerging trends, best practices, and novel solutions that contribute to robust security measures, sustainable growth, and the ongoing evolution of aerospace exploration—ultimately charting the path toward a safer and more interconnected future.

Objective

The objective of RADAR-2025 is to empower defence and aerospace researchers, industry professionals, and innovators with advanced skills and insights to drive technological breakthroughs. Participants will explore state-of-the-art systems, including advanced sensor integration, unmanned aerial vehicles, and AI-powered autonomous platforms. The conference will highlight the application of machine learning for predictive analytics, simulation tools for strategic planning, and next-generation communication networks to enhance operational effectiveness. RADAR-2025 focuses on developing scalable, robust solutions that address real-world challenges in defence and aerospace, such as enhanced situational awareness and rapid response capabilities.

Call for Abstracts

Abstracts are invited in the following areas

- *Aerospace Propulsion & Avionics*
- *Unmanned Aerial Vehicles (UAVs) & Drones*
- *Missile & Space Defence Systems*
- *Cybersecurity & AI in Defence*
- *Materials & Manufacturing in Defence*
- *Radar & Communication Systems*
- *Autonomous & Hypersonic Systems*
- *Human Factors & Defence Training*
- *Defence Strategy & Policy*
- *Sustainable & Green Aerospace Technologies*
- *Other relevant areas*

National Advisory Committee

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Prof. Abhishek, IIT Kanpur

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Dr. Paritosh Chaudhuri, IPR Gandhinagar

Prof. Prabal Talukdar, Professor, IIT Delhi

Prof. Manish Mishra, Professor, IIT Roorkee

Prof. Sudhakar Subudhi, Professor, IIT Roorkee



Website



Submission



Registration

Patrons

Prof. P. K. Jain

(Director General, IITRAM)

Prof. M. K. Barua

(Director, IITRAM)

Conference Chairs

Dr. Ajit Kumar Parwani

Dr. Sumit Tripathi

Dr. Kamlesh Joshi

Dr. PL. Ramkumar

Coordinators

Dr. Abhishek Rawat

Dr. Mithilesh Dikshit

Dr. Saurabh Kumar Yadav

General Secretary

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Dr. Pramod Bhingole, Asso. Prof., IITRAM

Dr. Kumar Abhishek, Asso. Prof., IITRAM

Dr Ganesh Iyer, Asst. Prof., IITRAM

Publications

Full length papers will be invited after the conference, and selected papers may be published in STEM Journals after peer review

<https://journals.stmjournals.com/>