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- **Dr. Manish Vishwakarma**, Assi. Prof., MANIT Bhopal

Theme of the conference :

We are inviting for full paper article submission related to but not limited to the topics listed below. The paper will go through a rigorous review process by the submission committee and the authors will be notified.

Special Theme:
- Defense Technology
- Robotics and Automation
- Machine Learning
- Climate change and Sustainability
- Instrumentation and Control
- Industry 4.0
- Artificial intelligence
- IOT

Thermal and Fluid Sciences:
- Green Manufacturing
- Renewable energy
- Fluid Dynamics
- Heat and Mass Transfer
- Internal Combustion Engines
- Refrigeration and air-conditioning
- Aerodynamics
- Energy & Thermofluids
- Fuels & Combustion

- Building Energy Efficiency
- Computational Fluid Dynamics
- Carbon-dioxide Capture and Sequestration

Manufacturing and Material Infrastructure:
- Green Manufacturing
- Material processing and characterization
- Manufacturing Techniques
- Rapid Prototyping
- Polymers and composites

Infrastructure Planning and Design:
- Applied Mechanics
- Finite element analysis
- Machine Design
- Dynamics and Vibration
- Computer aided engineering design
- Industrial Engineering and optimization
- Bio-mechanics
- Industrial Tribology
- Fracture Mechanics

Important Dates:

Full Paper Submission Deadline	:	30/09/2024
Notification of Acceptance	:	30/11/2024
Registration Opens	:	30/11/2024
Registration Deadline	:	15/12/2024
Conference Dates	:	10/01/2025 to 12/01/2025

International participants are allowed to register for online presentations.

Full Paper Submission

Authors are requested to submit their full-length manuscript in the given format after creating an account on conference webpage.
https://iitram.in/icram25/

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Registration:

Category	Regular Registration
Student (Indian)	Rs. 3500/-
Other Indian Delegates	Rs. 4000/-
International Delegates	USD 100

Publication:
- Papers presented at this conference are to be published as a proceedings book volume in Springer (SCOPUS).
- Authors of selected papers from ICRAM 2025 will be invited to submit an extended and improved version to the special issues of SCI journals: Heat Transfer Engineering, Taylor & Francis (SCI).

Springer

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5th International Conference on
RECENT ADVANCES IN MECHANICAL INFRASTRUCTURE (ICRAM - 2025)
10 - 12 January, 2025

About IITRAM:

Institute of Infrastructure Technology Research and Management (IITRAM) is an autonomous state university located in Ahmedabad, Gujarat, India. Established in 2013, IITRAM aims to provide high-quality education and research in the field of infrastructure engineering and management. IITRAM offers undergraduate, postgraduate, and doctoral programs in various disciplines of engineering, such as civil, mechanical, electrical, and computer science. IITRAM also collaborates with industry and academia to foster innovation and skill development in the infrastructure sector. IITRAM has established five Centers of Excellence (CoEs) funded by the Government of Gujarat, namely: Siemens CoE, Advanced Defense Technologies CoE, Artificial Intelligence and Machine Learning CoE, Drone Technology CoE, and Aerospace and Defense CoE. These CoEs provide state-of-the-art facilities and training in various domains of engineering, such as product lifecycle management, automation, mechatronics, additive manufacturing, radar systems, missile technology, UAVs, computer vision, natural language processing, data analytics, aerodynamics, propulsion, structures, materials, etc. IITRAM is ranked at #201 in India and #2 in Ahmedabad for B. Tech by NIRF ranking 2020.

About CSST, IIT Roorkee

The Centre for Space Sciences and Technology (CSST) at IIT Roorkee is established to elevate the institute's reputation in space science and technology by conducting pioneering research with specific goals in developing innovative systems, mechanisms, and proof-of-concept designs. By fostering academic growth, training and developing human resources, entrepreneurship, and innovation in space science and technology, the Centre will play a pivotal role in shaping the nation's revolutionary technological landscape.

About SVNIT Surat:

The institute was initially established as Sardar Vallabhbhai Regional College of Engineering & Technology in 1961 and it is elevated to Sardar Vallabhbhai National Institute of Technology with the status of 'Deemed University' on 4th October 2002. The Institute has been granted the status of 'Institute of National Importance' w.e.f. Aug. 15, 2007. The Sardar Vallabhbhai National Institute of Technology (SVNIT) is one of the pioneering engineering institutions of the country, which has contributed many outstanding engineers in India and abroad. It is conducting seven UG programs, nineteen PG programs, three integrated five years M.Sc. Programs, and Ph.D. program in all disciplines of engineering and applied sciences. Special attention is given to interdisciplinary research all across departments. The institute has an excellent placement record and growing by high pace in research as well.

About Conference:

ICRAM-2025 is the 5th International Conference on Recent Advances in Mechanical Infrastructure, which will be held in Ahmedabad, India one of the fastest-growing and most dynamic cities in India. The conference provides a forum for discussion on issues, concepts, skill development and innovations in the mechanical infrastructure sector, which is vital for the sustainable and inclusive growth of the country. The conference aims at bringing the best technical minds working in the field of mechanical engineering on a common platform to share their knowledge of technical expertise, experience, and forthcoming challenges in the development of infrastructure in the country. Moreover, it will be a wonderful opportunity for enthusiastic students and research scholars to learn from the experiences and visions of eminent scientists and innovators, as well as to witness the ongoing infrastructural development in Ahmedabad, such as the metro and road connectivity, the new town planning plans, and the real estate project. The conference is expected to include presentations on the latest research trends highlighting the important achievements and upcoming challenges in the development of the infrastructure sector pertaining to mechanical engineering. The conference invites researchers to highlight their work in any given area of mechanical engineering that relates to the overall progress of infrastructure development in the country. The conference also has a special theme that covers some of the emerging and innovative topics in the field of mechanical engineering, such as Defence Technology, Climate Change and Sustainability, Industry 4.0, Robotics and Automation, Artificial Intelligence, Machine Learning, Instrumentation and Control.

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- Dr. KK Diwvedi, Professor, Mechanical Engg. Department, OIST Bhopal
- Dr. Sunetra Sarkar, Professor, IIT Madras, India
- Dr. Manoj K Tiwari, Director, Indian Institute of Management, Mumbai

Special Theme: Advance Defense Technology
Key Note Speakers:

Brigadier P S Ramesh,
Former Indian Army officer

Lt Col Narendra Tripathi
(Retired)

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