

Patrons:

- **Prof. P. K. Jain**, Director General, IITRAM
- **Prof. T. N. Singh**, Director, IIT Patna
- **Prof. Anupam Shukla**, Director, SVNIT, Surat

Conference Chair:

- **Dr. Ajit Kumar Parwani**, Asso Prof., Mech. & Aerospace Engg., IITRAM
- **Dr. PL. Ramkumar**, Asso Prof., Mech. & Aerospace Engg., IITRAM
- **Dr. Kumar Abhishek**, Asso Prof., Mech. & Aerospace Engg., IITRAM
- **Prof. Akhileendra Singh**, Asso Prof., Mech. Engg., IIT Patna
- **Prof. Hemant B. Mehta**, Prof., Dept. of Mech. Engg., SVNIT, Surat
- **Dr. Paritosh Chaudhuri**, Dean, R & D, IPR

Convener:

- **Dr. Kamlesh Joshi**, Asst Prof, Mech. and Aerospace Engg., IITRAM
- **Dr. Ajit Kumar**, Asst Prof. Mech. and Aerospace Engg., IITRAM

General Secretary:

- **Dr. Dileep Gupta**, Asso Prof, Mech. and Aerospace Engg., IITRAM
- **Dr. Sumit Tripathi**, Asst Prof, Mech. and Aerospace Engg., IITRAM
- **Dr. Vipul M. Patel**, Asst Prof. Dept. of Mech. Engg., SVNIT, Surat

Scientific Committee:

- **Dr. Saurabh Kumar Yadav**, Asso Prof., NITTTR, Kolkata
- **Dr. Jagat Rath**, Asst. Prof., MNNIT Allahabad
- **Dr. Gautam Choubey**, Asst. Prof., NIT Silchar
- **Dr. Pramod Bhingole**, Asso Prof., IITRAM
- **Dr. Navneet Khanna**, Asso Prof., IITRAM
- **Dr. Mithilesh K. Dikshit**, Asst. Prof., IITRAM
- **Dr. Ganesh Iyer**, Asst. Prof., IITRAM.
- **Dr. Achchhe Lal**, Asso. Prof., NIT Surat
- **Dr. Abhishek Rawat**, Asso. Prof., IITRAM
- **Dr. Dheeraj Kumar Singh**, Asso. Prof., School of Nano Sciences, CUG
- **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.

- Sustainability & Recycling
- Kinetics and Catalysis
- Thermochemistry
- Environmental Sciences and Education
- Instrumentation and Control
- Industry 4.0
- Engineering Mathematics

Thermal and Fluid Sciences:

- Green Manufacturing
- Renewable energy
- Fluid Dynamics
- Heat and Mass Transfer
- Internal Combustion Engines
- Refrigeration and air-conditioning
- Carbon-dioxide Capture and Sequestration
- Aerodynamics
- Energy & Thermofluids
- Fuels & Combustion
- Building Energy Efficiency
- Computational Fluid Dynamics

Manufacturing and Material Infrastructure:

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

Infrastructure Planning and Design:

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

Important Dates:

- **Extended abstract submission** : 30/10/2026
- **Early Bird Registration** : 30/11/2026
- **Final Submission** : 15/12/2026
- **Conference Dates** : 8 to 10 Jan., 2027

Virtual delegates are allowed only from Outside India.

Authors are requested to submit extended abstract of their manuscript in the given format after creating an account on conference webpage.
<https://iitram.in/icram26/>

Connect with us: Email: icram19@iitram.ac.in

Registration: (Inclusive of 18% GST)

Category	Early Bird	Regular
● Students	Rs. 3000/-	Rs. 3500/-
● Indian Delegates	Rs. 4000/-	Rs. 4500/-
● International Delegates	USD 150	-
● Accompanying person	Rs. 2000/-	-

50% off for second paper onwards

Link for Registration: https://iitram.in/icram26/about_icram

Registration fees include:

(1)Lunch/Snacks during session breaks (2)Registration welcome kit

Publication:

As per the practice followed in previous editions, the Conference Organizers will collaborate with leading academic publishers to ensure high-quality dissemination of research. All accepted and presented papers will undergo rigorous peer review and will be published in SCOPUS/SCI indexed proceedings or reputed journals, thereby providing global visibility and recognition to the contributions. This initiative underscores the commitment of the conference to maintain academic excellence and to facilitate impactful scholarly communication.

Authors of selected papers from ICRAM 2027 will be invited to submit an extended and improved version to the special issue of Heat Transfer Engineering, Taylor & Francis (SCIE IF:1.9)



Sponsorship :

Scan QR code for connection



6th International Conference on RECENT ADVANCES IN MECHANICAL INFRASTRUCTURE (ICRAM - 2027) 8 - 10 January, 2027



Organized by
Department of Mechanical and Aerospace Engineering
Institute of Infrastructure, Technology,
Research and Management (IITRAM)

(An Autonomous University established by Government of Gujarat)
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In collaboration with

Department of
Mechanical Engineering



Indian Institute of Technology,
Patna

Department of
Mechanical Engineering



Sardar Vallabhbhai National Institute
of Technology, Surat

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, Advanced Defense Technologies, Artificial Intelligence and Machine Learning, Drone Technology, and Aerospace and Defense. These CoEs provide state-of-the-art facilities and training in various domains of engineering, such as product life cycle 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 IIT Patna:

The Indian Institute of Technology Patna (IIT Patna), established in 2008 and located at Biha near Patna, Bihar, is a premier public technical institute recognized as an Institute of National Importance. With a sprawling 501-acre campus, IIT Patna offers undergraduate, postgraduate, and doctoral programs across engineering, science, and technology disciplines, supported by 166 faculty members and nearly 3,000 students. Guided by its motto “One who aspires wisdom, attains it”, the institute has rapidly advanced in academics, research, and innovation, while also excelling in national-level events such as the Inter-IIT Tech Meet and Sports Meet, positioning itself as a hub of talent and technological progress in eastern India.

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–2027, the 6th International Conference on Recent Advances in Mechanical Infrastructure, will be held in Ahmedabad, one of the fastest-growing and most dynamic cities in India. The conference provides a forum for discussion on emerging issues, concepts, skill development, and

innovations in the field of mechanical infrastructure, which plays a vital role in the sustainable and inclusive growth of the country.

The conference aims to bring together leading technical experts, researchers, academicians, industry professionals, and practitioners working in various areas of mechanical engineering on a common platform to share their knowledge, technical expertise, experiences, and perspectives on emerging challenges in infrastructure development. Moreover, ICRAM–2027 will provide an excellent opportunity for enthusiastic students and research scholars to learn from the experiences and visions of eminent scientists, academicians, and innovators. Participants will also have the opportunity to witness the ongoing infrastructural development of Ahmedabad, including its expanding metro and road connectivity, new town-planning initiatives, and emerging real-estate developments.

The conference will feature presentations on the latest research trends, highlighting significant achievements, technological advancements, and emerging challenges in the development of the infrastructure sector from the perspective of mechanical engineering. Researchers are invited to present their work in diverse areas of mechanical engineering that contribute to the overall advancement of infrastructure development in the country.

The conference will also feature special themes covering emerging and innovative areas of mechanical engineering, including Defence Technology; Climate Change and Sustainability; Industry 4.0; Robotics and Automation; Artificial Intelligence and Machine Learning; and Instrumentation and Control.

Advisory Committee:

- Dr. Arvind Rajput, Mechanical Eng. Department, IIT Jammu
- Dr. C. Sentouh, Associate Professor, Department of Automatic Control, LAMIH-CNRS, France
- Dr. Chandramohan V. P., Associate Professor, Dept. of Mechanical Engineering, NIT, Warangal
- Dr. D. M. Kulkarni, Dean, Dept.of Mech. Engi., BITS Goa
- Dr. Filippo de Monte, Professor, University of L'Aquila, Italy
- Dr. Hemantha Kumar, Prof., Dept., of Mechanical Engg, NIT, Surathkal
- Dr. Ing Johannes Kiefer, Production Engg., Uni. of Bremen, Germany
- Dr. Kalyana C. Veluvolu, Associate Professor, College of IT Engineering, Kyungpook National University, South Korea
- Dr. Malti Goel, Chief Executive, Climate Change Research Institute, Former Senior Scientist, Govt. of India
- Dr. Michel Fillon, CNRS Director of Research, France
- Dr. N. Ramakrishnan, Mechanical Dept., IIT Gandhinagar
- Dr. P. Ramkumar, Asst. Prof., Dept. of Mech. Eng. IIT Madras
- Dr. PMV Subbarao, Mechanical Engineering, IIT Delhi
- Dr. Prabal Talukdar, Mechanical Engineering, IIT Delhi
- Dr. Q Jane Wang, Mech. Eng., Northwestern Uni. Evanston, Chicago
- Dr. R. Venkata Rao, Former Dean, Department of Mechanical Engineering, SVNIT, Surat

- Dr. Rajeev Kukreja, Associate Professor & Head, Mech. Engineering Dept., Dr. B. R. Ambedkar, NIT, Jalandhar (Punjab)
- Dr. Ramesh Agarwal, Washington University
- Dr. Robin Hill, Honorary Professor, Department of Electrical and Electronics Engineering, University of Melbourne, Australia
- Dr. Rohin Majeti, Research Scientist, Institute of Flight Systems, German Aerospace Centre (DLR), Braunschweig, Germany
- Dr. S. P. Mehrotra, Professor, IIT, Gandhinagar
- Dr. S. S. Mahapatra, Professor, Mechanical Engineering, NIT, Rourkela
- Dr. Satish Chandra Sharma, Mech. Engineering, IIT Roorkee
- Dr. Saurav Datta, Professor, Dept. of Mechanical Engg., NIT, Rourkela
- Dr. Vinod Narayanan, Asso. Prof., Mech. Eng. IIT, Gandhinagar
- Dr. Dibakar Rakhsit, Asso. Prof., IIT, Delhi
- Dr. E. Rajasekar, Asso. Prof., IIT, Roorkee
- Dr. Vinod Yadav, Mechanical Engineering, NIT Bhopal
- Dr. Vivek Vitankar, Director, Fluidimensions
- Dr. Y. Qin, Associate Professor, Department of Mechanical Engineering, Beijing Institute of Technology, China
- Prof. Dr.-Ing. habil. A. C. Benim, Faculty of Mechanical and Process Engineering, Duesseldorf University of Applied Sciences
- Dr. Paritosh Chaudhuri, Dean (R&D) and Head, Fusion Blanket Division, Institute for Plasma Research, Gandhinagar
- Dr. Dheeraj Kumar Singh, Associate Professor, School of Nano Sciences, Central University of Gujarat
- Dr. Gautam Chaubey, Assistant Professor. Dept of Mech Engg, NIT Silchar
- Dr. Subhashis Ray, Prof., Technische Universität, Bergakademie, Freiberg
- Dr. Kirti Bhushan Mishra, Assistant Professor, IIT Roorkee, Roorkee
- Dr. Manish Vishwakarma, Assistant Professor, Mechanical Engineering Department, MANIT Bhopal
- Dr. KK Diwedi, Professor, Mechanical Engg. Department, OIST Bhopal
- Dr. Sunetra Sarkar, Professor, IIT Madras, India
- Dr. Manoj K Tiwari, Director, Indian Institute of Management, Mumbai
- Dr. Sharad K. Pradhan, Director, THDC-Institute of Hydropower Engineering and Technology, Tehri
- Mr. Anil Kumar Bhardwaj, Senior Project Manager, IPR
- Mr. Krishan Kumar Gotewal, Engineer, Institute for Plasma Research
- Mr. Vijay M. Bedakihale, Engineer SG, Institute for Plasma Research
- Dr. Kirti Bhushan Mishra, Asso. Prof., IIT Roorkee, Roorkee

Key Note Speakers/Invited Speakers:

- Prof. Prabal Talukdar, Mechanical Engineering Department, IIT Delhi
- Dr. Krishna M. Pillai, Professor, Mechanical Engineering, University of Wisconsin-Milwaukee
- Prof. S. H. Upadhyay, MIED, IIT Roorkee
- Dr. Abishek Balsamy Kamaraj, Kettering University, Flint, Michigan
- Prof. Subhashis Ray, Head, Theory and Numerical Simulations, Institute of Thermal Engineering, Germany (to be confirmed)