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జాతీయ సాంకేతిక విజ్ఞాన సంస్థ వరంగల్

राष्ट्रीय प्रौद्योगिकी संस्थान वरंगल

National Institute of Technology Warangal

An Institute of National Importance

FEBRUARY 25-26, 2027

INTERNATIONAL CONFERENCE ON ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING IN ENGINEERING

ICAIMLE 2027

(Engineering the Future with Intelligence)



Ramappa Temple



Organized by

Department of Mechanical Engineering,
National Institute of Technology Warangal

National Institute of Technology Warangal, established in 1959, is the first in the chain of 31 NITs in the country. The institute is recognized as an Institute of National Importance and is ranked among the top technical education institutions in India. There are 14 Departments offering 10 undergraduate programmes (B.Tech) in engineering, 29 post graduate programmes and research programmes in engineering, sciences, humanities, physical education and management. NIT Warangal is a residential campus with about 7000 students from across the country and about 500 international students.

Department of Mechanical Engineering (MED) was established as one of the major departments of the Institute, since its inception in 1959. The department has been actively engaged in teaching and research in diverse fields of Mechanical Engineering. MED has 51 faculties holding Ph.D from reputed Indian and foreign Universities. The department offers 1 Under Graduate (B.Tech.) and 5 Post Graduate M.Tech) courses. The MED has 400+ SCI/Scopus Indexed journals in last 3 years.

About the Conference

The International Conference on Artificial Intelligence and Machine Learning in Engineering (ICAIMLE 2027) aims to provide a premier global platform for researchers, academicians, and industry professionals to exchange the latest advancements and innovations in the integration of artificial intelligence and machine learning within core mechanical engineering domains. The conference focuses on emerging trends in intelligent systems, smart design, advanced materials, thermal and fluid sciences, robotics, and next-generation manufacturing technologies.

ICAIMLE 2027 brings together experts from diverse disciplines to promote interdisciplinary collaboration, knowledge sharing, and technology transfer. The conference also emphasizes sustainable engineering solutions, energy-efficient systems, and smart industrial practices to address global challenges related to resource optimization, climate resilience, and the transformation of future engineering systems and industries.

Call for Paper

Faculties, scientists, researchers, and technical experts are invited to submit their original, unpublished research work in the fields of smart manufacturing, robotics, advanced materials, and intelligent mechanical systems. All accepted papers must be presented in person to facilitate active academic exchange. An option for online presentation is available exclusively for foreign delegates to ensure global participation.

High-quality research papers are invited in the following areas, but not limited to:

AI, Machine Learning & Digital Twins

- Predictive maintenance and fault diagnosis
- AI-based design and topology optimization
- Digital twins and condition monitoring

Advanced Design & Manufacturing

- Machine design and mechatronics
- Additive manufacturing (3D printing)
- Advanced welding and joining technologies
- CAD / CAM / CAE and reverse engineering
- Traditional and non-traditional machining

Robotics & Smart Automation

- Intelligent robotics and autonomous systems
- Industry 4.0 and Industrial IoT
- Digital manufacturing and smart systems

Energy, Thermal & Fluids

- Computational Fluid Dynamics (CFD)
- Electric vehicles and automotive engineering
- Hydrogen energy and clean technologies
- Energy storage and sustainable engineering

Materials & Precision Engineering

- Advanced engineering materials
- Surface engineering and coatings
- Metrology and quality engineering

Other Relevant Engineering Disciplines

-Limited manuscripts from disciplines other than Mechanical Engineering in the areas of AI/ML will be considered.

Publication Details

All papers accepted after peer review and submitted by registered participants will be eligible for consideration under the following publication options:

- **SCI/Scopus-Indexed Journals:** Selected papers may be considered for publication in SCI/Scopus-indexed journals as part of special issues, subject to further revisions, additional peer review, and approval by the respective journals. Journal names will be announced after obtaining the necessary permissions.
- **Selected papers will be recommended for publication in reputed journals,** subject to the respective journals' editorial policies and peer-review processes.
- **The remaining accepted papers are expected to be considered for publication in a Lecture Notes series by a renowned publisher,** subject to the publisher's approval and applicable publication requirements.

IMPORTANT DATES

Abstract Submission Deadline—	Nov. 15, 2026
Abstract Acceptance—	Nov. 30, 2026
Full Paper Submission—	Dec. 15, 2026
Final Acceptance —	Dec. 30, 2026
Early Registration —	Jan. 15, 2027
Final Registration —	Jan. 31, 2027

VENUE

Seminar Hall complex, National Institute of Technology Warangal
Hanamkonda, Telangana-506004, India

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Category	Early Registration	Regular Registration
UG/PG Students	INR 3,000/-	INR 3,500/-
Research Scholars	INR 3,500/-	INR 4,000/-
Faculty/Academician	INR 4,500/-	INR 5,000/-
Industry Participants/Professionals	INR 5,500/-	INR 6,000/-
Foreign Delegates (Online)	INR 6,000/-	INR 7,000/-

Note: 18% GST will be charged extra on the above registration FEE

- Includes:**
- Conference kit
 - Access to all technical sessions
 - E-proceedings certificate
 - Tea / lunch during conference days



Thousand Pillar Temple @Warangal