

## ABOUT THE CONFERENCE

The IEEE 13<sup>th</sup> International Conference on Advanced Computing (ICoAC 2026), organized by the Department of Computer Technology, MIT Campus, Anna University, Chennai, aims to provide a premier global platform for researchers, academicians, industry professionals, and students to exchange innovative ideas and present cutting-edge research in the field of Advanced Computing.

ICoAC 2026 is centered around the theme “**Actionable AI for Sustainability and Resilience**”, emphasizing the growing role of intelligent and sustainable technologies in solving real-world challenges across industries and society. The conference encourages interdisciplinary research contributions that address emerging problems through innovative computing solutions.

The conference features technical sessions, keynote lectures, tutorials, and research presentations covering a wide range of advanced domains including Artificial Intelligence, Large Language Models, Quantum Computing, Cyber-Physical Systems, Sustainable Computing, Cloud and Edge Computing, IoT, Autonomous Systems, Distributed Platforms, Healthcare AI, and Intelligent Networks.

ICoAC 2026 offers an excellent opportunity for participants to interact with leading scientists, distinguished academicians, technology experts, and industry practitioners from across the globe. The conference fosters collaboration between academia and industry while promoting high-quality research and technological innovation.

Accepted and presented papers will be submitted for inclusion in the IEEE Xplore Digital Library, providing global visibility to the research contributions. The conference also aims to inspire young researchers and students by creating an engaging environment for knowledge sharing, networking, and future collaborations.

Hosted at the prestigious Madras Institute of Technology (MIT Campus), Anna University — an institution renowned for academic excellence, innovation, and research contributions — ICoAC 2026 continues its legacy as one of the prominent international conferences in the field of advanced computing and information technology.

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#### The Convener, ICoAC 2026

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# \*IEEE 13<sup>th</sup> International Conference on Advanced Computing

**December 17 - 19, 2026**



## ICoAC 2026

Organized by

**Department of Computer Technology  
Anna University, MIT Campus**

Technically co-sponsored by

**\*IEEE Madras section**

**\*Pending Approval**

## INSTITUTION PROFILE

### ANNA UNIVERSITY

Anna University was established on 4th September 1978 as a unitary type of University. It offers higher education in Engineering, Technology and Allied Sciences that are relevant to the current needs of the society. Besides promoting research and disseminating knowledge gained there from, it fosters cooperation between the academic and industrial communities.

### MADRAS INSTITUTE OF TECHNOLOGY

Madras Institute of Technology (MIT) was started in 1949 by Shri. C. Rajam with a vision to provide a strong technical base in various Engineering disciplines for the independent India to compete at par with the International community. Merged with Anna University in the year 1978, MIT has played an important role in the growth and development of many sectors in the country by introducing several new specializations in the field of engineering. The Institute is a part of the Anna University, and is known for producing eminent scientists like Dr. APJ Abdul Kalam, and Dr. K Sivan. The conference aims to bring leading academicians and researchers to submit their original contributions in advance computing and Information Technology, complex and critical problems in Engineering and Technology.

### DEPARTMENT OF COMPUTER TECHNOLOGY

Department of Computer Technology, MIT Campus Chennai was established in the year 2010. The department offers Undergraduate, Postgraduate, and Doctoral programs in the field of Computer Science and Engineering. The department has state-of-the-art infrastructure and facilities that help students and research scholars to acquire knowledge and skills necessary to excel in the rapidly evolving technology. The faculty members are experienced and dedicated to provide quality education, while enabling students to undertake research and development work. The department has global collaborations with industries and academic Institutions, providing students with opportunities to gain practical experiences.

## KEY FOCUS AREAS

### Sustainable AI & Resilient Computing Systems

Green AI, Energy-Efficient Architectures, Carbon-Aware Computing, Sustainable Cloud & Edge, Smart Grids, Environmental IoT, Climate Modeling

### Autonomous & Cyber-Physical Systems

Autonomous Vehicles & UAVs, Multi-Agent Systems, Robotics, Edge AI, Embedded Systems, Vehicular Networks, Secure CPS

### Quantum & Advanced Computing

Quantum Computing & QML, Quantum Communication, Post-Quantum Cryptography, Parallel & Distributed Computing, Neuromorphic & HPC

### Networks & Distributed Platforms

Distributed Systems, Cloud-Native & Microservices, 5G/6G Networks, SDN, Distributed OS, Fault-Tolerant Systems

### Large Language Models & Intelligent Systems

LLMs, Multimodal Models, Model Compression, RAG, Explainable AI, Federated Learning

### AI for Healthcare & Public Systems

Precision Medicine, Medical Imaging, Clinical Decision Support, Healthcare IoT, Public Health Analytics, Privacy-Preserving AI

## PROCEEDINGS\*

Accepted and Presented research papers will be submitted for inclusion in IEEE Xplore Digital Library.

## IMPORTANT DEADLINE

Paper Submission : 30<sup>th</sup> June, 2026  
Notification of acceptance : 20<sup>th</sup> August, 2026  
Paper Registration : 31<sup>th</sup> August, 2026  
Camera ready copy submission : 10<sup>th</sup> September, 2026  
Pre-Conference Tutorial : 17<sup>th</sup> December, 2026  
Conference Dates : December 17-19, 2026

## REGISTRATION FORM

Name :  
Designation :  
Gender :  
Organisation :  
E-mail ID :  
Phone Number :  
Paper ID / Title of the paper :  
Category : Student/Research Scholar/Faculty/Industry  
IEEE member no :

## PAYMENT DETAILS

Mode of Transfer :  
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All payments are to be preferably made by Online Bank Transfer or by Demand Draft/Bankers cheque drawn in favour of ICoAC payable at Chennai. Behind the demand draft kindly mention your Name, Mobile No., and Paper ID.

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MICR Code: 600002039  
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Signature of the Participant

## REGISTRATION FEE DETAILS

### Indian Author

Category	Non-IEEE Members	IEEE Members	Tutorial Fee
UG /PG Student	9000 INR (ADDITIONAL 18% GST)	8000 INR (ADDITIONAL 18% GST)	250 INR (ADDITIONAL 18% GST)
Faculty Member / Research Scholar	10000 INR (ADDITIONAL 18% GST)	9000 INR (ADDITIONAL 18% GST)	500 INR (ADDITIONAL 18% GST)
Industry Professional	12000 INR (ADDITIONAL 18% GST)	11000 INR (ADDITIONAL 18% GST)	500 INR (ADDITIONAL 18% GST)

### Foreign Author

Category	Non-IEEE Members	IEEE Members
Faculty Member / Research Scholar	250 USD (ADDITIONAL 18% GST)	200 USD (ADDITIONAL 18% GST)
Industry Professional	300 USD (ADDITIONAL 18% GST)	250 USD (ADDITIONAL 18% GST)