CALL FOR PAPERS

Dear Sir/Madam,

Greetings of the day!!!

Authors from academia and industry are informed to utilize this opportunity.

We, the Organizers from **Rajeev Institute of Technology**, Hassan, Karnataka, INDIA, are pleased to invite you to take part in the **International Conference on Artificial Intelligence in Engineering Systems (ICAIES-2025)**, 26-27th December 2025.

The ICAIES-2025 is organized to provide an international forum for industry professionals, innovative scientists, professors, research scholars and students to deliberate and state their research findings, discuss the latest advancements and explore the future directions in the emerging areas of Engineering and Technology, Computing and Communication to a common forum.

Papers are encouraged on all topics given under the call for papers, to enable the discussions of new ideas, the latest research and developments in the fields of Computer Engineering, Deep Learning (DL), Data Structure (DS), Machine Learning (ML), Artificial Intelligence (AI), Cloud computing, Soft Computing, Data analytics and Data Management, IOT, Computational Intelligence, Computer Architecture and Computational neuroscience.

The primary goal of the conference is to promote the exchange of innovative scientific information between researchers, developers, engineers, students, and practitioners. Another goal is to promote the transformation of fundamental research into institutional and industrialized research and to convert applied exploration into real-time application. Overall, the conference will provide the researchers and attendees with prospects for national and international collaboration and networking among universities and institutions from India and abroad to promote research.

Prospective authors are encouraged to submit papers through Microsoft CMT submission system: **https://cmt3.research.microsoft.com/ICAIES2025/**

The conference is to be organised according to main conference tracks and papers accepted in the subtopics are to be included under each chapter:

1. Computational Intelligent systems and soft computing
- Artificial Neural Networks
- Bio- informatics
- Bio inspired algorithms
- Classification and Clustering
- Evolutionary Algorithms
- Genetic algorithms
- Genetic programming and Evolutionary programming
- Geo-informatics
- Knowledge based networks
- Machine vision
- Optimization techniques

- ➢ Pattern recognition
- ➢ Rough set theory

2. Data Analytics and Data Management

- ➢ Data Structures & Algorithms
- ➢ Artificial Intelligence and Expert Systems
- ➢ Automated Software Engineering
- ➢ Bioinformatics and Scientific Computing
- ➢ Computer Architecture and Embedded Systems
- ➢ Computer Graphics & Virtual Reality
- ➢ Computer Networks & Security & Cryptography
- ➢ Computer-aided Design/Manufacturing
- ➢ Data Compression, Data Encryption, Data Mining
- ➢ Digital Signal Processing and Image Processing
- ➢ Distributed Systems, Watermarking, Information Retrieval and Multimedia Applications
- ➢ Software Engineering & CASE
- ➢ Neural Network theory & models, Learning and adaptation
- ➢ Computational neuroscience
- ➢ Cognitive models, Brain-machine interfaces
- ➢ Neurodynamics, Neuroinformatics, Neuroengineering, Neural hardware, Collective intelligence, granular Computing
- ➢ Fuzzy Systems-Set theory, Type II Fuzzy Logic, Decision Making, Approximate Reasoning
- ➢ Fuzzy statistics-Optimization-Mathematics-Decision Support Systems, Possibility Theory, Lattice theory, Multi-valued Logics
- ➢ Hybrid systems, DNA and Mobile Computing
- ➢ High throughput Computing.

3. Computational intelligence in Wireless networks

- ➢ Ad Hoc networks optimization techniques
- ➢ Applications of computational intelligence in design of wireless networks
- ➢ Cognitive Wireless Sensor Networks
- ➢ Computational Intelligence and Energy efficient Protocols in WSN
- ➢ Computational Intelligence and Routing in WSN
- ➢ Distributed and Parallel Algorithms for Smart WSN
- ➢ Learning Patterns from Sensor Sources
- ➢ Pervasive computing

4. Computational methods in biomedical signal processing and telemedicine

- ➢ Computational methods to Cardiovascular and respiratory mechanics
- ➢ Computational intelligence in Medical image analysis
- ➢ Intelligent Medical device design
- ➢ Health care models design
- ➢ Patient-specific modelling
- ➢ AI in Tumour modelling
- ➢ Telemedicine

5. Computational intelligence applications

- ➢ Computational Intelligence
- ➢ Deep Learning
- ➢ Swarm Intelligence, Fuzzy sets and vague sets, Rough set-theoretic approaches
- ➢ Quantum-inspired computational intelligence

- ➢ Hybrid Computational Intelligence
- ➢ Machine Learning, Computer Vision
- ➢ Soft Computing, Distributed Computing
- ➢ Parallel and Grid Computing
- ➢ Cloud Computing, High-Performance Computing
- ➢ Biomedical Computing, Decision Support and Decision making
- ➢ Neuroinformatics, Wireless communications, Vehicular networks and applications
- ➢ QoS Provisioning and Architecture
- ➢ Computational methods
- ➢ Applications of swarm, evolutionary, Fuzzy and neural techniques in the domains of Signal/Image/Speech/Multimedia processing, Time series analysis, Forecasting, Systems Modelling and Identification
- ➢ Pattern Recognition, Clustering, Machine Intelligence
- ➢ Robotics, Sensor Networks,
- ➢ Man-machine Interfaces, Computational Biology
- ➢ Bioinformatics, Games, Artificial Life, Document Processing, Natural Language Processing
- ➢ Web Applications, Industry, Cognitive Science.

IMPORTANT DATES:

- ➢ Last date for Full Manuscript Submission   :12-09.2025
- ➢ Notification of first review   :12-10-2025
- ➢ Submission of revised manuscript   :20-10-2025
- ➢ Notification of Acceptance/ Rejection   :31-10-2025
- ➢ Camera-Ready Paper Submission Deadline   :07-11-2025
  & Early Bird Registration
- ➢ Last Date of Late Registration   :28-11- 2025

For Further Details, please visit our conference website: https://icaies.rithassan.ac.in/

All queries related to the conference shall be addressed to icaies2025@gmail.com

We request you to actively participate by submitting papers in the conference and forward this mail to your colleagues, research scholars and students and encourage them to participate in the conference.

We look forward to seeing you at RIT, HASSAN, KARNATAKA.