

IMPACT GROUP OF INSTITUTIONS

For over four decades, IMPACT Group of Institutions has been a beacon of excellence in skill development, empowering generations of professionals across Architecture, Management, and Engineering, with three distinguished institutions under its umbrella, IMPACT is renowned for its holistic approach to education, blending cutting-edge curricula with practical experience to produce industry-ready graduates and pioneers in their fields.

Impact College of Engineering & Applied Sciences (ICEAS) is a leading College of Engineering, with it's green campus located at the “Heart of Bengaluru, the Silicon Capital of India”. ICEAS offers UG Programmes : Bachelor of Artificial Intelligence and Machine learning, Automation and Robotics, Civil Engineering , Computer Science and Engineering:(CSE), Computer Science and Engineering-Data Science, Computer Science and Engineering-Cyber Security, Electronics and Communications Engineering, Mechanical Engineering and PG Programmes : M.Tech in Mechanical Engineering, Computer Science and Engineering, Master of Business Administration, Ph.D Programmes in Computer Science & Engineering, Mechanical Engineering & Master of Business Administration Affiliated to Visvesvaraya Technological University, Belagavi.

The IMPACT Institute of Management Studies (IIMS) offers transformative programs like full-time MBA, BBA, and BCA, fostering leadership and global industry relevance while expanding its reach to Cochin and Vijayawada. The Architecture program emphasizes the integration of cultural values, technical expertise, and creativity, preparing students to shape the built environment with innovative designs.

The Impact School of Architecture(ISA) envisions itself as an institution working at the cutting-edge of modern architectural thought and its various approaches to produce rich and diverse designs, concepts and creative expressions that contribute to the ongoing advancement of architecture while having a basic concern for human and ecological welfare.

ABOUT THE CONFERENCE

The International Conference on Artificial Intelligence Application in Architecture, Design, Engineering, and Management (IC-AI- ADEM-2025) is a prestigious event that brings together researchers, practitioners, and industry professionals from around the world to discuss the latest advancements and applications of artificial intelligence in various domains.

The conference aims to foster interdisciplinary collaboration, promote innovative research, and explore real-world solutions to complex problems. Participants have the opportunity to present their research, learn from peers, and establish professional connections.

Main Theme: Artificial Intelligence Applications

Architecture

- AI-Assisted Design: Enhancing Creativity and Efficiency in Architecture
- Generative Design in Architecture: The Role of AI in Shaping the Future of Building Structures
- AI-Driven Sustainability in Architecture
- AI in Disaster Resilience and Recovery in Architecture
- AI in Heritage Conservation and Restoration
- Smart Cities and AI-Powered Urban Planning
- AI in Architectural Space Optimization for Small Living Units
- The Impact of AI on Architecture's Role in Social Equity and Accessibility

Design

- AI in Product Design
- AI in Interior Design
- AI in Fashion Design
- AI in Graphic Design

CSE/AI & ML/ Data Science

- Data Science & Analytics
- Machine Learning
- Big Data Analytics
- Data Mining
- Neural Networks
- Deep Learning
- AI & ML in Cyber Security
- Cryptography & Network Security
- Internet of Things (IoT) Security
- Natural Language Processing (NLP)
- Computer Vision & Pattern Recognition
- Cognitive Wireless Sensor Networks

Civil Engineering

- AI application in Highway Intelligence
- AI application in Construction Automation
- AI application in Survey and Mapping
- AI application in Design and Structural Analysis
- AI Applications in Numerical Modelling
- AI Applications in Graph Theory
- AI Applications in Linear Algebra

Electrical And Electronics, Electronics And Communication

- AI in Communication Systems
- Machine Learning and Deep Learning in Electronics
- Embedded AI systems
- AI in Signal and Image Processing
- AI in Wireless Communication
- AI for Electronic Circuit Design and Optimization
- AI for Antenna Design and propagation Analysis

Mechanical, Materials And Automation And Robotics

AI Applications In

- Composite Materials
- Smart Material and Structures
- Design and Analysis
- Computational Fluid Dynamics (CFD)
- Thermo Fluids
- Additive Manufacturing/ 3D Printing
- Nano Materials
- Heat/Mass Transfer
- Genetic Algorithm in Manufacturing Systems
- Flexible Manufacturing Systems
- Tool Design
- AI based materials
- AI Driven Robotics and Automation Systems
- Machine Learning and Deep Learning in Robotics
- Robot Perception and Sensory Systems
- Autonomous Mobile Robots and Drones
- Human Robots Collaboration
- AI in Manufacturing Automation
- AI Robotics for Sustainability and Green
- Technologies
- AI for Service Robots

Management:

- AI applications in Auditing
- AI applications in Marketing
- AI applications in Human Resource Management
- Employee Engagement
- Learning & Development
- Digitalization
- Improvement of Safety and Well-being
- AI applications in Customer Service and Customer Experience
- AI applications in Indian Finance & Emerging Economic Systems.
- AI Powered Chatbot for onboarding proceedings

Papers can be submitted through email id :
icaiadem@impact.ac.in

Publication :

All accepted and presented papers will be published in scopus journal

SPEAKERS

1. Dr Shen Hin Lim,
Programme Leader of Mechatronics Engineering |
University of Waikato, HAMILTON, New Zealand.

2. Dr. N.S. Reddy
Professor of Materials Science and Engineering |
Gyeongsang National University, Korea.

3. Dr. Lokesh
Consultant - Neurology | MBBS, MD, DM (Neurology)
|Speciality Neurology Hospital Aster CMI Bangalore,
India.

4. Dr. Phaneendra K. Yalavarthy
Professor of Department of Computational and Data
Sciences (CDS)| Indian Institute of Science (IISc),
Bangalore, India.

CHIEF PATRON

Dr. K.P. Mathulla,
Founder Director, IMPACT Group of Institutions

PATRON

Dr. Paul Mathulla,
Chairman, Governing Council, IMPACT Group of Institutions

CONFERENCE CHAIR

Dr. Alice Abraham,
President, IMPACT Group of Institutions

CONVENOR :

Dr. Jalumedi Babu, Principal, ICEAS

Organizing Chair :

Dr. Selvaraj Manickam, +916379395367

Dr. Jagadeesha R + 91 9844632423

Mr. Balasubramanyan R +91 9742308079

PROGRAMME CHAIR

Dr. Dhanajaya, Professor & HOD, CS&E, ICEAS
Dr. Rama Krishna, Professor & HOD, AI & ML, ICEAS
Dr. Kaipa Sandhya, Assoc.Professor & HOD, CSE-DS, ICEAS
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Dr. Swetha Vura, Associate Professor & HOD, A & M ICEAS
Dr. Mohamed Ziaulla, Professor & HoD, Basic Science, ICEAS
Mr. Santosh, Assistant Professor & HOD, ECE, ICEAS
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Dr. Md. Arif Pasha, MBA VTU Director, Bangalore, India.
Ar. Rekha Srinivas, Principal, ISA Bangalore, India.

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Dr. Bhagappa, BCE, Bangalore
Dr. Nijaguna G.S. SEA Bangalore
Dr. Manjunath, RRIIT Bangalore
Dr. Parameshachari, Secretary, NITTE, Bangalore.
Dr. Piyush Pareek, NITTE, Bangalore.
Dr. Rohith S, NCET, Bangalore

REGISTRATION DETAILS :

For Registration & payment for conference and publication
please visit conference website.

Category	Registration Fee	Publication Fee	Total Fee
National Authors	INR 2500	INR 8500	INR11000
International Authors	USD 50	USD 150	USD 200
Guest/Attendee/Listener	INR 1500	NIL	INR 1500
Student / Research Scholar	INR 1500	INR 8500	INR 10000
Poster Presentation	INR 2500	NIL	INR 2500

Late Fee: INR 1000 is extra on the above (after registration ends)

IMPACT GROUP OF INSTITUTIONS

Two days
International Conference
On

AI Applications in Architecture, Design,
Engineering and Management
(ICAI-ADEM 2025)

9th May 2025 – 10th May 2025
(Hybrid Mode)



Venue : IMPACT CAMPUS
Sahakaranagar Post, Bengaluru-560092, INDIA
Conference email Id : icaiadem@impact.ac.in

Conference website :
<https://icai-adem-2025.in/>