Impact college of engineering & applied sciences (ICEAS)

IMPACT Institute of Management Studies (IIMS)

The Impact School of Architecture (ISA)

Presents

International Conference on AI applications in Architecture, Design, Engineering and Management (ICAI-ADEM 2025)

DATE: 09-05-2025 to 10-05-2025

About the Conference	The International Conference on Artificial Application in Architecture, Design, Engineering, and Management (IAI-ADEM 2025) is organized by Impact college of engineering & applied sciences (ICEAS), IMPACT Institute of Management Studies (IIMS), The Impact School of Architecture (ISA), IMPACT Group of Institutions, Bangalore, India, to be held from 09-05-2025 to 10-05-2025 in hybrid mode. The focus of the conference is to provide a unique platform for exchange of ideas and synergy among 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. This conference aims to bring together the best of globally renowned research professionals.
Organizer	Impact college of engineering & applied sciences (ICEAS), IMPACT Group of Institutions.
Date	**09-05-2025 to 10-05-2025**
Organising Chair Members & Conference Convener	**CONFERENCE CHAIR:** Dr. Alice Abraham, President, IMPACT Group of Institutions, Bangalore, India. **CONFERENCE CONVENER:** Dr. Jalumedi Babu, Principal, IMPACT College of Engineering and Applied Sciences (ICEAS), Bangalore, India.

Organising Committee Members	**Organizing Chairs** Dr. Selvaraj Manickam, Professor, Department of Automation & Robotics, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Jagadeesha R, Associate Professor, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Prof. Balasubramanyan R, Assistant Professor, Department of Automation & Robotics, IMPACT College of Engineering and Applied Sciences (ICEAS)
	PUBLICATION CHAIRS: Dr. Jalumedi Babu, Principal, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Selvaraj Manickam, Professor, Department of Automation & Robotics, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Jagadeesha R, Associate Professor, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Prof. Balasubramanyan R, Assistant Professor, Department of Automation & Robotics, IMPACT College of Engineering and Applied Sciences (ICEAS) **TREASURER:** Mrs. Pavithra, Accountant, IMPACT Group of Institutions **WEBSITE CHAIRS:** Mr. Sib Kumar, Assistant Professor, IMPACT Institute of Management Sciences IIMS) Mrs. Shwetha B.N, Assistant Professor, Department of Computer Science and Engineering-AIML, IMPACT College of Engineering and Applied Sciences (ICEAS) Mr. Vinay Hasyagar, Web Admin, IMPACT Group of Institutions

	PROGRAM CHAIRS: Dr. Dhanajaya, Professor & HOD, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Rama Krishna, Professor & HOD, Department of Artificial Intelligence & Machine Learning, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Kaipa Sandhya, Associate Professor & HOD, Department of Data Science & Cyber Security, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Aswath Narayana, Professor & HOD, Department of Mechanical Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Swetha Vura, Associate Professor & HOD, Department of Automation and Robotics, IMPACT College of Engineering and Applied Sciences (ICEAS) Mr. Santhosth K, Assistant Professor & HOD, Department of Electronics and Communication Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mr. Ajay Bhaskar, Assistant Professor & HOD, Department of Civil Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Prof.Vasanth K Bhat, Director, Impact School of Architecture (ISA) Ar.Rekha Srinivasan, Principal, Impact School of Architecture (ISA) Dr. Sri Ram, Director, IMPACT Institute of Management Sciences (IIMS) Dr. Md.Arif Pasha, MBA VTU Director, Impact College of Engineering and Applied Science (ICEAS) Dr. Sudarshan Rikka, Associate Professor, Geethanjali College of Engineering and Technology, Hyderabad, Telangana State, India. **TECHNICAL COORDINATORS:** Dr. Sheethal Aji M, Assistant Professor, Department of Artificial Intelligence & Machine Learning, IMPACT College of Engineering and Applied Sciences (ICEAS) Dr. Priyanka Sapali, Assistant Professor Department of Basic Science IMPACT College of Engineering and Applied Sciences (ICEAS) Mr. Vijendra Kumar, Assistant Professor, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mrs. Shwetha TJ, Assistant Professor, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mrs.Harini, Assistant Professor, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mrs. Pooja, Assistant Professor, Department of Computer Science and Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mr.Ajay Bhaskar, Assistant Professor & HoD, Department of Civl Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mr. Srujan K (CIVIL) Assistant Professor, Department of Civl Engineering, IMPACT College of Engineering and Applied Sciences (ICEAS) Mrs.Kavana, Assistant Professor Department of Basic Science IMPACT College of Engineering and Applied Sciences (ICEAS)
Target Audience	Researchers, Research Scholars, Faculty Members and Students

Conference Statics	Total no of paper received : 116 Total no of paper accepted after peer reviewed : 44 Total no of review per paper : 3 Total countries paper received : 2 Countries like : Dubai and Ethiopia. Total sessions : 4
Topics	**Track – 1: 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 **Track – 2: ENGINEERING** **CSE and Allied Branches** • 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 **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
- Metal Joining & Allied Processes
- 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

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

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 & System in New Economics
- AI Powered Chatbot for onboarding proceedings

Day 1 09-05-2025	**<u>Inauguration:</u>**
	Chief Patron **Dr. K.P Mathualla, Founder,** IMPACT Group of Institutions **Patrons** **Dr. Paul Mathualla, Chairman Governing Council,** **Prof. Baby Mathualla, Registrar,** IMPACT Group of Institutions **Conference Chair** **Dr. Alice Abraham, President,** IMPACT Group of Institutions **Chief Guest** **Dr. Dr Shen Hin Lim**, Programme Leader of Mechatronics Engineering, Division of Health, Engineering, Computing and Science, New Zealand. **Conference Convener** **Dr. Jalumedi Babu, Principal,** IMPACT College of Engineering and Applied Sciences (ICEAS) **Organizing Chair** **Dr. Selvaraj Manickam,** Professor, **Dr. Jagadeesha R**, Associate Professor, **Prof. Balasubramanyan R**, Assistant Professor, IMPACT College of Engineering and Applied Sciences (ICEAS) --- **Inauguration Program** **Date: 09th May,2024**　　　　　　　　　　　**Mode: Hybrid** **Time: 09:30 AM**　　　　　　　**Venu: Visvesvaraya Auditorium**

International Conference on AI applications in Architecture, Design, Engineering and Management (ICAI-ADEM 2025)

Venu:- Visvesvaraya Auditorium, IMPACT Group of Institutions, Bangalore, India.

DAY-1&2: International Conference Schedule

S.No.	Agenda	Day	Time	Hosting
Day-1: 09.05.2025:Inauguration (09:30 AM to 10:15 AM)			
1.	Welcome the Dignitaries	Day-1 09.05.2025	9:30 AM - 9:35 AM	**Mrs-Nazneen & Mrs.Kavana,**
2.	Lighting of Lamp		9:35 AM - 9:45 AM	
3.	Invocation Song - **Miss.Sivanadana & HM. Thejaswini**		9:45 AM - 9:50 AM	
	Welcome Adress - **Dr. Alice Abraham, President & Conference Chair**		9:50 AM - 10:00 AM	
4.	Address -**Dr. K.P Mathulla, Founder & Chief Patron**		10:00 AM- 10:10 AM	
5.	Address - **Dr. Paul Mathulla, Chairman, Governing Council & Patron**		10:10 AM - 10:20 AM	
6.	About Conference - **Dr. Jalumedi Babu, Principal & Convenor -ICEAS**		10:20 AM - 10:30 AM	
7.	Invited Keynote - **Dr Shen Hin Lim, New Zealand.**		10:30 AM - 11:00 AM	
8.	Tea Break		11:00 AM - 11.15 AM	**Respective Technical Co-ordinators**
9.	Conference Paper Presentation Session Start		11:15 AM - 01:15 PM	
10.	Lunch Break		01:15 PM - 02:00 PM	
11.	Invited Guest Talk-II: **Dr. NS. Reddy, South Korea.**		02:00 PM - 02:30 PM	
12.	Conference Paper Presentation Session Continued		02:30 PM - 03:15 PM	
14.	Conference Paper Presentation Session Continued		03:30 PM – 04:30 PM	
Day-2:10.05.2025: Presentation & Valedictory (09:30 AM to 03:00 PM)			
15.	Conference Paper Presentation Session Start	Day-2 10.05.2025	09:30 AM-10:00 AM	**Respective Technical Co-ordinators**
16.	Invited Guest Talk-III**: Dr. Lokesh, Aster CMI, Bengaluru.**		10:00 AM - 10:30 AM	
17.	Conference Paper Presentation Session Continued		10:30 AM -11:00 AM	
18.	Tea Break		11:00 AM-11:15 AM	
19.	Invited Guest Talk-IV**: Dr. Santhosh Chavan, GM R&D, JBM green Energy Pvt. Ltd., Gurugram, NCR.**		11:15 AM-11:45 AM	
20.	Conference Paper Presentation Session Continued		11:45 AM-01:00 PM	**Mrs-Nazneen & Mrs.Kavana,**
21.	Lunch Break		01:00 PM-01:45 PM	
22.	Conference Paper Presentation Session Continued		01:45 PM- 02:15 PM	
23.	**Feedback &Valedictory**		02:15 PM-03:00 PM	

International Conference on AI applications in Architecture, Design, Engineering and Management (ICAI-ADEM 2025)

Venu:- Visvesvaraya Auditorium, IMPACT Group of Institutions, Bangalore, India.

DAY-1: International Conference Schedule

S.NO	TIME	PAPER TITLE	AUTHOR	NAME OF PROGRAMME CHAIR	NAME TECHNICAL CO-ORDINATORS
1	11:15 AM - 11:30 AM	UPI Fraud Detection Using Machine Learning	Priyanka S N, Namrata Salunkhe, Shaharin, Akshith, T Y Satheesha	Dr. Dhananjaya V (CSE) Dr. Swetha Vura (AM)	Dr. Sheethal Aji M (AIML) Mr. Srujan K (CIVIL)
2	11:30 AM – 11:45 AM	Watchwise: A Real-Time Face Recognition and Anti-Spoofing System for Secure Person Tracking and Identity Logging	Keerthana P, Chalukya Nayaka B K, Harini J, Bharath K B, Mahalakshmi J		
3	11:45 AM – 12:00 PM	A Comprehensive Survey on Innovative Payment and Recovery System for Msmes	Vinay Kumar D, Vishal D, Shivaraj L S, Vivek Yadav J N, T Y Satheesha		
4	12:00 PM - 12:15 PM	Socio-Mediashield: Detecting & Reporting Cyberbullying in Social Networks	Bindu K N, Nishchitha B B, Shravani C, and Shuddhodhana R		
5	12:15 PM – 12:30PM	Leveraging Artificial Intelligence for Architectural Documentation: A Case Study of Yelahanka Old Town	Trupti P, Divya R	Dr. Rama Krishna K (AIML) Dr. Ashwathnarayan (ME)	Dr. Priyanka Sapali (BS) Mr. Vijendra Kumar (CSE)
6	12:30 PM – 12:45 PM	AI Applications in Architecture	Ar. Shannon Abraham		
7	12:45 PM – 01:00 PM	AI Powered Biomedical Image Analysis	Raja A, Kruthika R, Keerthana R S, Pallavi R V		
8	01:00 PM – 01:15 PM	Machine Learning in Early Detection and Analaysis of Autism Spectrum Disorder (ASD)	Anusha V, Madhavi S, Nandita G R, Varsha N, Tejaswini Gadag		
		LUNCH BREAK: 01:15 PM To 02:00 PM			
	02:00 PM – 02:30 PM	Invited Guest Talk-II: **Dr. NS. Reddy, Professor of Materials Science and Engineering, Gyeongsang National University, South Korea.**			
9	02:30 PM - 02:45 PM	Pediatric Tele-dermatology in Android	Dr. Gururaj Murtugudde, Satheesha T Y, Venu Madhavi, Jubedha S K, Akshaya G R, Gayathri K	Dr. Kaipa Sandhya (AIML) Mr. Santosh (ECE)	Mrs. Shwetha TJ (CSE) Mrs. Cynthia ARC (ISA)
10	02:45 PM - 03:00 PM	Optimization of Control Parameters During Pellet Additive Manufacturing (PAM) with Artificial Intelligence Approach	Radhika Mandala, B. Anjaneya Prasad, Suresh Akella, Jalumedi Babu		

11	03:00 PM - 03:15 PM	Experimental Design and Optimization of Parameters for Solution Precursor Plasma Spray Method	R. Sudarshan, Sriram Venkatesh, K. Balasubramanian, M Venkata Ramana, J. Babu.		
TEA BREAK: 03:15 PM -03:30 PM					
12	03:30 PM – 03:45 PM	AI-Driven IoT Framework for Real-Time Crop Suitability Prediction	Jeevaa M, Dr.K.G.Maheswari, Azmath Ali Khan, Mimtaj Parvind Lakshmi Kanth, Chaithanya Reddy SV	Dr. Jagadeesha R (CSE) Dr. Sriram (IIMS)	Dr. Sheethal Aji M (AIML) Mr. Srujan K (CIVIL)
13	03:45 PM – 04:00 PM	An Innovative Approach for Dengue Disease Prediction in Patients Utilizing Coati Optimization-enhanced Support Vector Machine	Rama Krishna K, Sheetal Aji Mani, Kaipa Sandhya, Ashwini A N		
14	04:00 PM – 04:15 PM	Smart drone in smart vehicles	Gajanana H Pujar, SwethaVura		
15	04:15 PM – 04:30 PM	A Model for Detecting the Different Iri's Diseases Using Deep Learning	Naveen N, Teju A, Tejas Gowda C & Amrutha P S		

International Conference on AI applications in Architecture, Design, Engineering and Management (ICAI-ADEM 2025)

Venu:- Visvesvaraya Auditorium, IMPACT Group of Institutions, Bangalore, India.

DAY-2: Conference Paper Presentation Sessions Schedule

Date:09.05.2025 / Time:09:30 AM to 03:00 PM

S.No	Time	Paper Title	Author	Name of Programme Chair	Name Technical Co-ordinators
1.	09:30 AM – 09:45 AM	Optimization of Control Parameters During Pellet Additive Manufacturing (PAM) with Artificial Intelligence Approach	Radhika Mandala, B. Anjaneya Prasad, Suresh Akella, Jalumedi Babu	Dr. Rama Krishna K (AIML) Dr. Ashwathnarayan (ME)	Mr. Srujan K (CIVIL) Mrs.Kavana (BS)
2.	09:45 AM – 10:00 AM	Experimental Design and Optimization of Parameters for Solution Precursor Plasma Spray Method	R. Sudarshan, Sriram Venkatesh, K. Balasubramanian, M Venkata Ramana, J. Babu		
	10:00 AM - 10:30 AM	**Invited Guest Talk-III: Dr. Lokesh, Aster CMI, Bengaluru.**			
3.	10:30 AM – 10:45 AM	A Study on The Impact of Artificial Intelligence on Financial Services	Vanishree G M, Kanika, Sheikh Nida Afreen A, Rashmi D	Dr. Jagadeesha R (CSE) Dr. Ashwathnarayan (ME)	Mr. Srujan K (CIVIL) Mrs.Kavana (BS)
4.	10:45 AM – 11:00 AM	Watchwise: A Real-Time Face Recognition and Anti-Spoofing System for Secure Person Tracking and Identity Logging	Keerthana P, Chalukya Nayaka B K, Harini J, Bharath K B, Mahalakshmi J		
		Tea Break [11:00 AM – 11:15AM]			
	11:15 AM – 11:45 AM	**Dr. Santhosh Chavan, GM R&D, JBM green Energy Pvt. Ltd., Gurugram, NCR.**			
6.	11:45 AM – 12:00 PM	Effective Analysis and Holomorphic Based Accurate Detection of Common Diseases in Ecg Signals and Classifications and Monitoring Through Cloud Computing Technology	Dr. Dhananjaya V	Dr. Rama Krishna K (AIML) Dr. Swetha Vura (AM)	Mrs.Harini (CSE) Mr. Santosh K (ECE)
7.	12:00 PM – 12:15 PM	Optimizing Fused Deposition Modelling Parameters to Enhance Mechanical	PVR GirishKumar, Dr. R. Sudarshan		

S.No	Time	Paper Title	Author	Name of Programme Chair	Name Technical Co-ordinators
		Properties of 3D Printed Components: A Comprehensive Review			
8.	12:15 PM – 12:30 PM	Enhancing Library Services to a Multicultural Population through AI	Maremma (Meghaaa Bhattar), Dr.K. Praveena	Dr. Jagadeesha R (CSE) Dr. Ashwathnarayan (ME)	Mr.Ajay Bhaskar (CIVIL) Mr. Vijendra Kumar (CSE)
9.	12:30 PM - 12:45 PM	Collab Sphere: A Platform for Brand and Content Creator Collaboration	Neela V, Manjunath S, Mokshagna Reddy, Rakesh D, Dhanvi Jaikeerthi		
10.	12:45 PM – 1:00 PM	Multilingual Text and Speech Translation System Using MarianMT	Shalini S N,Mr. Riyazulla Rahman J, Sai Pavan C,Uday Kumar Y,Anil Kumar V H		
Lunch Break [01:00 PM to 01:45 PM]					
11.	01:45 PM – 02.00 PM	Enhanced Object Identification and Categorization in Subaquatic Imagery Using a Gaussian-Golden Ratio Optimized Support Vector Machine Framework	Dr. Kaipa Sandhya, Dr.Rama Krishna K	Dr. Swetha Vura (AM) Dr. Jagadeesha R (CSE)	Mr.Ajay Bhaskar (CIVIL) Mrs. Pooja (CSE)
12.	02:00 PM – 02:15 PM	Advancing Stock Market Predictive Models: A Contemporary AI-Based Analysis of Indian Equity Returns	Dr. Sri Ram Padyala		
	02:15 PM – 03:00 PM	**Feedback & Valedictory**			

International Conference on AI applications in Architecture, Design, Engineering and Management (ICAI-ADEM 2025)

Venu:- IIMS Conference Hall, IMPACT Group of Institutions, Bangalore, India.

DAY-2: Conference Paper Presentation Sessions Schedule

Date:09.05.2025 / Time:09:30 AM to 03:00 PM

S.No	Time	Paper Title	Author	Name of Programme Chair	Name Technical Co-ordinators
1	09:30 AM – 09:45 AM	A Comparative Study of Apriori and FP-Growth Algorithms for Cancer Recurrence Detection Using Association Rule Mining on Breast Cancer Datasets	Dr. Sheethal Aji Mani	Dr. Dhananjaya V (CSE) Dr. Sri Ram Padyala (IIMS)	Mrs.Shibi (ECE) Mrs.Shwetha TJ (CSE)
2	09:45 AM – 10:00 AM	AI-Driven Data Analytics in Education	Shreya B S and Sudha Rani D		
	10:00 AM - 10:30 AM	**Invited Guest Talk-III: Dr. Lokesh, Aster CMI, Bengaluru.**			
3	10:30 AM – 10:45 AM	Numerical Investigation of MHD Effects on Unsteady Mixed Convection Flow Embedded in a Porous Media	Dr. Priyanka Sapali	Dr. Dhananjaya V (CSE) Dr. Sri Ram Padyala (IIMS)	Mrs.Shibi (ECE) Mrs.Shwetha TJ (CSE
4	10:45 AM – 11:00 AM	A comprehensive Review: Skin Cancer Prediction Using Machine Learning Algorithms	Ashwini A N		
	11:00 AM- 11.15 AM	**Tea Break [11:00 AM – 11:15AM]**			
5	11:15 AM – 11:45 AM	**Dr. Santhosh Chavan, GM R&D, JBM green Energy Pvt. Ltd., Gurugram, NCR.**			
6	11:45 AM – 12:00 PM	Threaded Intelligence: An Inclusive AI Frameworkfor Fashion Design, Discovery, and Adaptive Clothing Curation	Mr. Thejaswin P, Ms. Aarcha Ullasan, Mr. Aman Muttilara Baiju, Ms. Keerthi Nag H	Dr. Kaipa Sandhya (AIML) Dr. Priyanka Sapali (BS)	Mr.Praveen kumar (AIML) Mr.Deepak (AIML)
7	12:00 PM – 12:15 PM	Modelling AI for Early Detection and Prevention of Thermal Runaway in EV Battery Systems's	Vaibhava V B, Varshitha G, Shreyas P S, Mr.Balasubramanyan		

S.No	Time	Paper Title	Author	Name of Programme Chair	Name Technical Co-ordinators
			R , Dr.Selvaraj Manickam		
8	12:15 PM – 12:30 PM	Smart Farming -Daily Scale Based Weather Prediction f Temperature	Shreyas P S, Dr. Selvaraj Manickam, Mr. Balasubramanyan R, Spandana, Poojashree	Dr. Kaipa Sandhya (AIML) Dr. Priyanka Sapali (BS)	Mrs.Shanthakumari (CSE) Mrs.Rohini (CSE)
9	12:30 PM 12:45 PM	Enhancing Human-Robot Collaboration: Challenges and AI-Driven Solutions	Abdul Muneem, Mohammed Afnan Khan, Mohammed Sauwam, Swetha Vura		
10	12:45 PM – 01:00 PM	Development of CoBots: Reducing Human Anxiety About Robot Replacement	Alwin J, Purushotham K D, Dr. Swetha Vura		
Lunch Break [01:00 PM to 01:45 PM]					
11	01:45 PM – 02.00 PM	A Comprehensive Study on Cancer Detection Using Machine Learning Algorithms	Mr. Krishna Mehar P Tirumala	Dr. Sheethal Aji M (AIML) Dr. Priyanka Sapali (BS)	Mr.Praveen kumar (AIML) Mr.Deepak (AIML)
12	02.00 PM- 02:15 PM	AI in Finance: Challenges, Techniques, and Opportunities	Dr. Arif Pasha		
13	02:15 PM- 02:30 PM	Artificial Intelligence applications in vibration control for machine tools, automobile and aerospace industries	Mr. K Guruprasad		
	02:15 PM – 03:00 PM	Valedictory			

IMPACT GROUP OF INSTITUTIONS

Impact Campus, Kodigehalli, Sahakaranagar South,
Bengaluru, Karnataka-560092.

International Conference on

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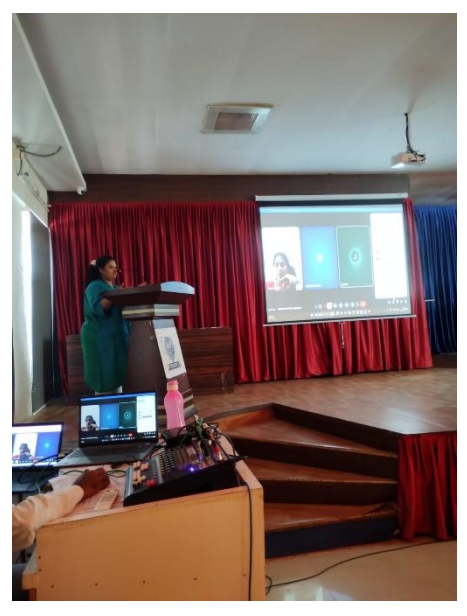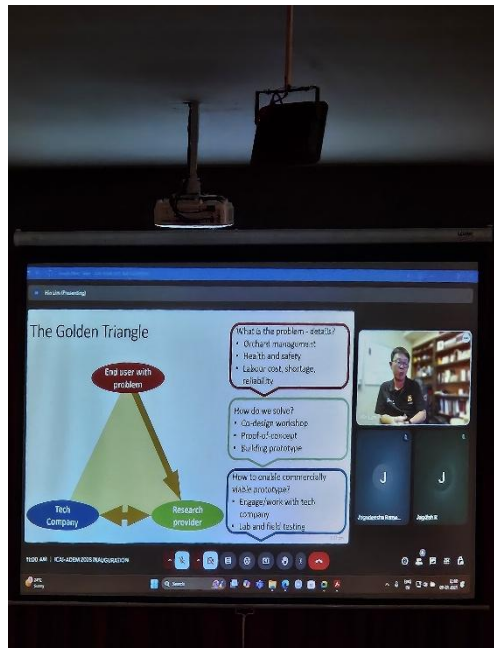Engineering and Management
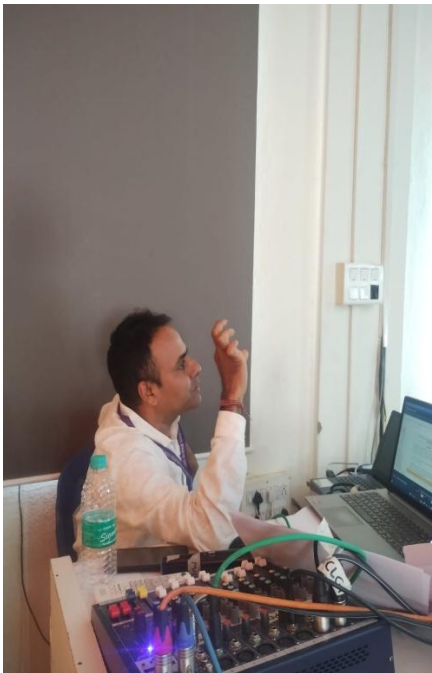(ICAI-ADEM 2025)**

INVITED SPEAKER

Dr. SHEN HIM LIM

*Programme Leader of
Mechatronics Engineering School of Engineering
Division of Health, Engineering,
Computing and Science University of Waikato,
Hamilton, New Zealand.*

*Dr Shen Hin Lim is the manager and co-founder of
Waikato Robotics, Automation and Sensing (WaiRAS)
of University of Waikato and previous chair of
New Zealand Robotics, Automation and Sensing
(NZRAS) – 2021-2023. He has been working
in horticulture robotics and composites (natural fibre,
carbon fibre and glass fibre) areas. He is the
programme leader of mechatronics engineering of
University of Waikato. His main interests I
ie in control applications, smart end-effectors,
horticultural robotics, aquaculture robotics.*

Organizing Chair

Principal