



AMITY UNIVERSITY

International Conference on Intelligent and Innovative Practices in Engineering & Management

IPEM 2024

Co-Technical Partner: IEEE
CONFERENCE RECORD NUMBER #62726

TENTATIVE PROGRAMME SCHEDULE

25th November 2024

Inaugural Session Time: 1130Hrs-1630Hrs (IST) Location: Amity University, 228 Orchard Rd, Singapore 238853	
Time (SGT)	Event
1400 Hrs 1405 Hrs (SGT)	Invocation by Master of Ceremony
1405– 1410Hrs (SGT)	Welcome Address
1410 – 1420 Hrs (SGT)	Welcome Address by Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity Universities
1420– 1430 Hrs (SGT)	Keynote Address by Yan Wu, IEEE, Singapore
1430 - 1440 Hrs (SGT)	Keynote Address by Dr. Inderjit Singh, Founder and CEO of Solstar International
1440 – 1450 Hrs (SGT)	Address by Dr. Satinder Singh Rekhi, Founder of R Systems
1450 – 1500Hrs (SGT)	Address by Mr. Amit Rana, Director - Alliance & Channels, SAAS at Oracle
1500 – 1510Hrs (SGT)	Address by Dr Mandy Mok, CEO & Founder of AppliedHE
1510 – 1520 Hrs (SGT)	Address by Ms. Nimisha Tailor, Founder and Consultant Economics
1520 – 1530 Hrs (SGT)	Chancellor's Address - Dr. Atul Chauhan, Honourable Chancellor, Amity University (TBC)
1530-1540 Hrs (SGT)	Visionary thoughts by Dr. Ashok K. Chauhan Honourable Founder President, Ritnand Balved Education Foundation (The Foundation of Amity Institutions and the sponsoring body of Amity Universities) & Chairman, AKC Group of Companies (TBC)
1540 – 1550 Hrs (SGT)	Best paper Award
1550 -1615 Hrs (SGT)	High Tea

Hybrid Mode	
1630 – 1800 Hrs. (SGT)	
Location: Amity University, 228 Orchard Rd, Singapore 238853	
Online Link: https://amity-edu.zoom.us/meeting/register/tZclduGhqz8jGNyGzJbS3JrXko5LWh_BdFyx	
Time (SGT)	Event
1630-1635 Hrs. (SGT)	Invocation by Master of Ceremony
1635-1645 Hrs. (SGT)	Opening Remarks & Welcome Address Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity Universities
1645- 1655 Hr(SGT)	Chancellor's address - Dr. Atul Chauhan, Honourable Chancellor, Amity University (TBC)
1655 – 1705 Hrs. (SGT)	Visionary thoughts by Dr. Ashok K. Chauhan Honourable Founder President, Ritnand Balved Education Foundation (The Foundation of Amity Institutions and the sponsoring body of Amity Universities) & Chairman, AKC Group of Companies (TBC)
1705 – 1730 Hrs. (SGT)	Cultural Program
1830 – 1900 Hrs. (SGT)	Alumni Interaction (All Alumni are requested to give 5 minutes acceptance speech).
1900 – 1905 Hrs. (SGT)	Vote of thanks
1905 -2000 Hrs. (SGT)	Dinner

*Timings are subject to revision on the date of the conference (25th November 2024)

*Other missing details shall be updated subsequently, all concerned are requested to keep checking the conference website for updates: <https://www.amity.edu/iipem2024/conference-schedule.asp>

#Papers shall be sent to IEEE Xplore only if the papers have been presented.

OFFLINE SESSION		https://amity-edu.zoom.us/meeting/register/tZclduGhqz8jGNyGzJbS3JrXko5LWh_BdFyx		
IEEE SINGAPORE		zJbS3JrXko5LWh_BdFyx		
VENUE- 228 Orchard Road, Singapore 238853		Session Chair: Dr Vandana Sharma		
S.N	Paper ID	Paper Title	Paper Presenter	Presentation Slot (HOURS)
1	32	Improving Energy Efficiency in Three-Tier IOT Sensor Networks through NDFT-Based Power Optimization	Dr Pallavi Joshi	10:00(IST)/12:30(SGT)
2	214	Integrated IOT-Based Smart Home Security System: Real-Time Hazard Detection and	Dr Narendra Khatri	10:15(IST)/12:45(SGT)

OFFLINE SESSION		https://amity-edu.zoom.us/join/81234567890		
IEEE SINGAPORE		zJbS3JrXko5LWh_BdFyx		
VENUE- 228 Orchard Road, Singapore 238853		Session Chair: Dr Vandana Sharma		
S.N	Paper ID	Paper Title	Paper Presenter	Presentation Slot (HOURS)
		Alerts Using Multi-Sensor Fusion		
3	187	Bayesian and Genetic Optimization for Human Activity Recognition with CNN and LSTM	Dr Nadeem Ahmed	10:30(IST)/13:00(SGT)
4	28	Advanced Security Model for Cloud Infrastructure Using Cryptography and Steganography	Dr. T. Sujithra	10:45(IST)/13:15(SGT)
5	346	Blockchain Technology the Leading Area Over the World and Navigating the Blockchain Landscape	Dr. Shipra Saraswat	11:00 (IST)/13:30(SGT)
6	48	Factors Influencing the Intention to Use Digital Banking in the Greater Jakarta	Anderes Gui	11:15 (IST)/13:45(SGT)
7	103	Integrating LLM with CNN-RNN for Optimizing Crop Production	Dr Prerna Ajmani	11:30(IST)/14:00(SGT)
8	342	Blockchain Nexus Converging blockchain with IOT, Healthcare and Security	Dr. Shipra Saraswat	11:45 (IST)/14:15 (SGT)
9	300	Pneumonia Detection Using Vision Transformers	Rishvanth G V	12:00 (IST)/14:30(SGT)

TRACK 1**SESSION CHAIR: Dr. Anita Yadav, Dr. Rohit Sharma****ZOOM LINK:**https://amity-edu.zoom.us/meeting/register/tZEtcuyogTkqGdeO9fPSPk_XWBFq_Pk-tYr6

S.No	Paper ID	Paper Title	Presenter	Time (IST)
1	2	Marine lens: Empowering Conservation Through AI-Powered Fish Species Detection and Insights		10:00-10:10
2	79	Advancements In User Interfaces and Immersive Technologies In Virtual Reality		10:15-10:25
3	11	Combating Cyber Attacks By Malware Classification Using Deep Neural Networks		10:30-10:40
4	12	Examining The Smart Tourism Landscape: A Bibliometric Study and Analytical Synopsis Of Iot Research		10:45-10:55
5	26	Financial Inclusion Through Fintech Services In Saudi Arabia: Empirical Study		11:00-11:10
6	29	AI In Bioinformatics and Genomics		11:15-11:25
7	39	IOT- Driven Predictive Maintenance for Enhanced Reliability In Industrial Applications		11:30-11:40
8	348	Exploring and Modeling Factors Influencing Obesity with a Comprehensive Analysis Using Synthetic and Real-World Data		11:45-11:55
9	49	Enhancing Student Outcomes With LSTM-CNN And Data Analytics In Higher Education		12:00-12:10
10	172	Deep Learning And Its Applications: A Novel Approach To Machine Learning With Encoding Algorithms		12:15-12:25
11	62	Analysis on Existing Cyber Security Techniques used in Steganography		12:30- 12:40

TRACK 4

SESSION CHAIR: Dr. Tanu Manocha and Dr. Narendra Khatri

ZOOM LINK: <https://amity-edu.zoom.us/j/91234567890>

<u>S.No</u>	<u>Paper ID</u>	<u>Paper Title</u>	<u>Presenter</u>	<u>Time (IST)</u>
1	108	Engineering Framework for Smart Poultry Farming Using Internet of Things		10:00-10:10
2	180	An Analysis of Machine Learning Methods Used in Cyber Security During the Last Decade		10:15-10:25
3	185	Sentiment Analysis Using Machine Learning Methods		10:30-10:40
4	250	Digital Supply Chain Integration: Unleashing the Power of Technology To Enhance Supply Chain Performance		10:45-10:55
5	137	Cyber Security and Marketing Strategies: Protecting Customer Data Maximizing Social Media Engagement		11:00-11:10
6	66	Investigation Of Tensile Strength Performance Of 3D Printed PLA, ABS And PET-G Materials For Various Industrial Applications		11:15-11:25
7	106	Innovative Practice On Tuberculosis Detection For Pneumonia Diagnosis Using Machine Learning		11:30-11:40
8	247	Female Entrepreneurs – Breaking the Boundaries Of Gender Preconceptions And Pioneering Innovation In Start UPS		11:45-11:55
9	90	A Critical Study on Effectively Managing And Addressing The Diverse Needs And Complexities Encountered By Foreign Workers In The Republic Of Singapore		12:00-12:10
10	101	Leveraging Smart Computing for Effective Crime Spot Alert System		12:15-12:25
11	279	Mitigating Address Resolution Protocol (ARP) Attack on Computer System		12:30-12:40

TRACK 8

SESSION CHAIR: Dr. Seema Garg and Dr.Prashant Yawalkars and Dr. Meenakshi Sharma

ZOOM LINK: https://amity-edu.zoom.us/meeting/register/tZAqdO6vqzgtG9iLzvzSBOMOlaXlmFFo_R6

S_No	Paper ID	Paper Title	Paper Presenter	Time (IST)
1	262	Mapping The Mental Health at The Workplace: A-DASS Examination of Stress, Anxiety And Depression Among Employees		14:00-14:10
2	277	Predictive Analysis Through Machine Learning: Fatal Road Crashes in Delhi, India		14:15-14:25
3	281	Metaverse Adoption Intention of Micro, Small and Medium Enterprises (Msmes): Unclogging Communication with The Authorities		14:30-14:40
4	349	Consumer Feedback Analysis on Iphones: EDA And NLP Model Comparison for Sentiment Detection		14:45-14:55
5	337	Hybrid TFT-GRU Time Series Models Optimized By PSO: An Advanced Approach for Financial Data Prediction		15:15-15:25
6	246	Analyzing The Impact of Perceived Utility and Perceived Ease of Use on Attitude of The HRMS Software Users		15:30-15:40
7	178	Secure Cloud Based Process-Oriented Teaching-Quality Approach in Higher Education with General AI		15:45-15:55
8	107	Innovative Practices for Reliable Tuberculosis Detection with Deep Learning		16:00-16:10
9	151	Gamifying Finance: Enhancing User Engagement and Financial Literacy Through Digital Gamification		16:15-16:25
10	131	Intelligent Techniques for Managing Employee Performance: Addressing Psychosocial Challenges		16:30-16:40
11	199	Deep Learning and Its Applications: A Novel Approach to Machine Learning With Encoding Algorithms		16:45-16:55

TRACK 9**SESSION CHAIRS: Dr. Shailee Choudhary and Dr. Prasanna Lakshmi****ZOOM LINK: <https://amity-edu.zoom.us/j/91234567890>**

<u>S.No</u>	Paper ID	Paper Title	Presenter	Time (IST)
1	339	An Intelligent Model for Prediction of Heart Failure with Enhanced Self-Supervised Learning Algorithm		14:00-14:10
2	345	Training & Competency Mapping: Focus on Learning & Mentoring		14:15-14:25
3	338	Exploring Diverse Approaches to Detect and Diagnose Breast Cancer Through Medical Imaging Modalities		14:30-14:40
4	263	Mindfulness Meditation in The Workplace: A Path To Job Satisfaction And Harmonious Employee-Employer Relationships		14:45-14:55
5	350	Predicting Patient No-Shows in Medical Appointments Using Demographic and Health Data		15:00-15:10
6	63	AI Based Bridging Disciplines Between Law, AI, Management and Psychology		15:15-15:25
7	283	Critical Success Factors for Implementation of Smart Education		15:30-15:40
8	243	Comparative Analysis of Various Machine Learning Models That Aim at Analyzing Climate Change and Extreme Weather Patterns		15:45-15:55
9	179	Comprehensive Examination of Machine Learning Methods for Predicting Software Errors		16:00-16:10
10	259	The Impact of Mobile Phone Use on Employees Mental Health: Exploring Nomophobia, Social Media Influence, And Its Impact on Performance at Work- A Literature Review		16:15-16:25

TRACK 11

SESSION CHAIRS: Dr. Vernika Agarwal and Dr. Mohit Maurya

ZOOM LINK: <https://amity-edu.zoom.us/meeting/register/tZ0ldOyqgz8sGtTWaFT-W0w6GVYtADa0SmG0>

<u>S.No</u>	<u>Paper ID</u>	<u>Paper Title</u>	<u>Presenter</u>	<u>Time (IST)</u>
1	351	Blockchain In E-Commerce: Assessing Key Factors, Consumer Perceptions, And Implementation Challenges		14:00-14:10
2	276	Intelligent And Innovative Approaches to Delivering Social Welfare Schemes In India: Leveraging Artificial Intelligence For Public Impact		14:15-14:25
3	168	Lean Manufacturing and Efficiency Optimization: Case Study On Indian EV Automotive Manufacturing		14:30-14:40
4	77	Integrating IOT for Smart Bus Tracking and Capacity Monitoring: Enhancing the Efficiency of Public Transportation		14:45-14:55
5	165	Social media As Tool for Higher Education - Innovations and Sustainability in Digital Decision Making		15:00-15:10
6	208	Bone Fracture Detection Using Yolov9		15:15-15:25
7	81	Exploring Higher Education Student Intentions Towards IOT Enabled E-Learning Platforms		15:30-15:40
8	96	Prevention Of Aggregation of Substrate Proteins by Glyoxal and Methylglyoxal Without the Formation of Chemical Adducts		15:45-15:55
9	166	Intelligent healthcare industry: cyber safety and security in Chennai		16:00-16:10
10	134	Strategic approach for integrating legal compliance into engineering project management		16:15-16:25
11	171	AI based analysis of hyperspectral images with spectacular efficacy in video analytics		16:30-16:40

TRACK 12

SESSION CHAIRS: Dr. Zoubida Benmamoun and Dr. Gurpreet Singh

ZOOM LINK: https://amity-edu.zoom.us/meeting/register/tZlof-GtqTggHdyvFvPlge_s7L-eee6nZ3ln

Sl No	Paper ID	Paper Title	Presenter	Time (IST)
1	200	AI applications and the financial transformation of fintech and finserv sectors		14:00-14:10
2	201	Impact of responsible ai on national cybersecurity strategy on the enhancement of cybersecurity education		14:15-14:25
3	202	IOT based machine learning algorithms for data science on quality control process		14:30-14:40
4	203	Ai based mobile machine learning framework for edge video analytics		14:45-14:55
5	204	Secure cloud-based process-oriented teaching-quality approach in higher education with general ai		15:00-15:10
6	205	Comprehensive examination of machine learning methods for predicting software errors		15:15-15:25
7	144	Framework for Engineering the effects of Overthinking in Online Food Ordering Industry		15:30-15:40
8	150	Is Artificial Intelligence Transforming the CRM (Customer Relationship) Experience? An Empirical Study in Indian Retail Industry		15:45-15:55
9	285	Cybercrimes In Society 5.0: Trust of Generation-Z		16:00-16:10
10	126	Predictive Energy Analytics for Intelligent Energy Management in Green Buildings		16:15-16:25

Presentation Guidelines

- Each paper is assigned a total of 10 minutes, and the breakdown is as follows.
 - **Presentation:** 7 Minutes
 - **Q&A:** 3 Minutes
 - Please adhere to these time limits while preparing this presentation.

- The presentation should include Paper title, Presenter's name (for issue of certificate), Introduction, Gaps, Objectives, Methodology, Analysis, Findings, Implications.
- The time limit will be strictly enforced due to the substantial number of papers scheduled in each session.
- Presenting authors are asked to be ready for their session 10 minutes before the scheduled start of the respective session, allowing the Session Chair to **verify the attendance** of the presenting authors.
- Participation certificates could be awarded only to the presenter of the paper.
- We recommend that one author conduct the entire presentation, adhering to the above-mentioned time limits.
- Any accepted paper included in the final schedule of IIPEM 2024 is expected to have at least one author present the paper at the conference.