Program Schedule

Intelligent Sensing and Autonomous Systems for Sustainable Future

ISASF-2026

CONFERENCE RECORD NUMBER 71476

Thursday 19th November 2026

Zoom Link: https://amity-edu.zoom.us/meeting/register/9Rilv3WnTsmh7Qlq7ckq6A

Session **Time: 11 am – 01:00 pm AEDT** **04:30 am – 07:30 am IST** **Location: Western Sydney University, Hawkesbury Campus, Richmond** **Hall: L2 Building**	
1100 – 1105 Hrs (NSWT) 0530 – 0535 Hrs (IST)	Invocation and Welcome by Master of Ceremony
1105 – 1120 Hrs (NSWT) 0535 – 0550 Hrs (IST)	Welcome Address by Prof. (Dr.) Gurinder Singh, Group Vice Chancellor, Amity Universities
1120 – 1140 Hrs (NSWT) 0550 – 0615 Hrs (IST)	Prof Mark Tjoelker, Director, Hawkesbury Institute for the Environment, Western Sydney University Special Address by Prof Syed Abbas, Section Chair IEEE, NSW Dr Nisha Rakhesh, Director, Global Initiatives and Engagement, WSU Prof Paul Burke, Discipline of Marketing, UTS Sydney Prof Lubna Alam, Professor in Digital Transformation, The University of Sydney Business School Prof Masoud Mohammadian, University of Canberra

	Prof Md Maruf Hossan Chowdhury, Discipline of Organisation, University of Technology, Sydney Prof Amin Beheshti, Interim Head, School of Computing, Macquarie University Kush Sharma (Senior Cybersecurity & Product Leader, Digital Transformation, NSW Department of Planning, Housing and Infrastructure, Sydney, Australia) Dr Prem Samaranayake, Western Sydney University (Presenting Paper) * Dr Sachin Western Sydney University (Presenting Paper) * Ms Christine Holgate , CEO, Toll Group
1140 – 1210 Hrs (NSWT) 0615– 0645 Hrs (IST)	**Conferring of Amity Academic & Industry Excellence Awards** • Dr Nisha Rakhesh, Director, Global Initiatives and Engagement • Dr Abu Barkatullah (Barkat), Program Director, Cyber Security and Data Science, School of Information Technology and Systems, University of Canberra • Prof Amin Beheshti, Founder and Director, Center for Applied AI, Interim Head, School of Computing, Macquarie University • Prof Paul Burke, Discipline of Marketing, UTS Sydney • Prof Sultana Lubna Alam, Discipline of Business Information System, The University of Sydney Business School • *Dr Masoud Mohammadian, University of Canberra (Offline) --- • Mahendran Vasagam, Principal Member of Technical Staff, Slack- Salesforce, Dallas, Texas, USA • Varsha Shah, Technical Architect, TCS Ltd, Seattle, USA • Vishal Bhardwaj Meruga, Senior Manager SSE, Marriott International, Bethesda USA • Chandra Sekhar Nimmakayala, Moneygram International Inc, Dallas, Texas, USA • Shubh Prabhat, Solution Architect, Engineering Technology Leader, AeglysAI, GlobalLogic Inc, a Hitachi Group Company, Texas, USA

1210 – 1310 Hrs (NSWT) 0645– 0740 Hrs (IST)	**Alumni Reconnect** **https://amity-edu.zoom.us/meeting/register/YdEDELzsQbWU55xOEe9krg** • Sumeha Gupta • Rohit Bisht • Milind Majumdar • Himanshu Nahata • Tanush Bhatnagar • Aditya Sharma • Ayush Tyagi • Aditya Sengupta • Vineet Deswal • Papri Das • Gargi Tyagi • Avika Chitransh • Mayank Kansal • Gurnoor Singh • Naman Jain • Harshita Bhardwaj • Yutika Tiwari
1310 – 1320 Hrs (NSWT) 0740 – 0750 Hrs (IST)	Chancellor's Address - Dr. Atul Chauhan, Honourable Chancellor, Amity University (TBC)
1320 – 1330 Hrs (NSWT) 0750 – 0800 Hrs (IST)	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)
1330 – 1332 Hrs (NSWT) 0802 – 0804 Hrs (IST)	Vote of Thanks
1332 onwards 0804 onwards	Lunch Break

OFFLINE SESSION: HYBRID MODE

Zoom link:
https://amity-edu.zoom.us/meeting/register/YdEDELzsQbWU55xOEe9krg

Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)
Venue: Hall: L2 Building
(Nov 19, 2026)
Time: (0834 onwards) IST, (1400 onwards) NSWT

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
1		823	Stinger: A Fine Grained, Modular, and Insight Driven Approach to Cowrie Honeypot Log Analysis	Dr Abu Barkatullah (Barkat), Program Director, Cyber Security and Data Science, School of Information Technology and Systems, University of Canberra (Offline)
2		1314	Responsible Generative AI and Speech Technology in Sustainable Healthcare Management	Ms Medhavi Bhardwaj, University of Sydney (Offline)
3		1501	Real2Sim2Real Adaptation of Vision-Language-Action Models for Tabletop Manipulation: A Theoretical Review	Prof Masoud Mohammadian, University of Canberra (Offline)
4		1049	A Multi-Agent Collaborative Digital Twin Framework for Manufacturing Control	Prof Sachin Chavan, Western Sydney University (Offline)
5		1369	IoT-Enabled Intelligent Decision Support for Causal Bottleneck Prediction and Management in Circular Economy Systems	Mahi Junarre Liberty Hill High School, Liberty Hill, Texas, USA (Offline)
6		1397	Edge AI-Enabled Digital Sensing in Precision Agriculture: A Spatiotemporal Modeling and Deep Learning Approach	Sayee Junarre, McNeil High School, Austin, Texas, USA (Offline)
7		1448	An Explainable AI Framework for Microbial Genome Classification and Functional Feature Analysis in Phytomicrobiome Research	Ananya Balusu, Round Rock High School, Texas, USA (Offline)
8		1446	VALS-MTNet: An AI-Driven Lightweight Multi-Task Deep Neural Network for Joint Brain Tumor Classification and MRI Segmentation	Amulya Balusu, Round Rock High School, Texas, USA (Offline)

ONLINE SESSION: HYBRID MODE

Zoom link:
https://amity-edu.zoom.us/meeting/register/9Rilv3WnTsmh7Qlq7ckq6A

Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)
Venue: Hall: L2 Building
(Nov 19, 2026)
Time: Paper Presentation at Western Sydney University
(09:30-11:00 AM AEST on 19th Nov 2026)
(04:00-05:30 AM IST on 19th Nov 2026)
(07:30-09:00 PM EST on 18th Nov 2026)

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
1		1144	Multi-Color Space Feature Fusion for Cocoa Bean Classification Using Machine Learning	AYIKPA Kacoutchy Jean, France (Enseignant – Ch7ercheur / Informatique – Scie8nce du Numérique, Universi9té Virtuelle de Côte d'Ivoire (UVCI)) (France)
2		86	Deep Learning-Based DNA Biometric Authentication Using Compact STR Profiles	Muhammad F. Akbar, University of Kufa
3		570	The Gradient Equilibrium Framework: From Scalar Norm Balancing (GER) to Spectral Covariance Equalization (SpecGE) for Stable, Generalizable, and Adversarial Robust Deep Networks	Ashutosh Bhushan, Monash University
4		915	AI-Driven Aviation Procurement and Supplier Collaboration Platform for Intelligent Supply Chain Decision-Making	Pallab Haldar, Cognizant Technology Solutions, South Saint Paul Minnesota USA
5		643	TrustGuard-Mobility: Tamper-Aware and Uncertainty-Gated Edge AI for Physiology-Aware Smart E-Bikes	SYED SHAH, University of Aveiro
6		745	Cyclical Feature Encoding and Gradient-Boosted Stacking for Hourly Urban Bike-Share Demand Forecasting	Manish Aggarwal, Pelham Community Pharmacy
7		864	Agentic Al-Driven Financial Control Architecture Integrating Systems of Record, SOX/ICFR Compliance, and Continuous Auditability	Rahul Jain, Senior Director Enterprise Applications AI and Technology, USA
8		896	AI-Assisted X-Ray Focal Spot Characterization Using Image Processing, CNN Edge Localization, and MTF Analysis	Pranit Pol, Varex Imaging
9		1205	RAG on Enterprise Vector Stores: A Comparative Architecture and Evaluation of pgvector, OpenSearch, and Pinecone	Parth Ghaswala, Gainwell Technologies
10		1215	FinMCP: Economics-Aware Model and Tool Orchestration for Cost-Efficient Agentic AI Using Model Context Protocol	Aneesh Varghese, Amazon Web Services
11		1298	AI-Driven Framework for Transforming Business Requirements into SAP ABAP Code	Heta Patel, Doterra International LLC

12		1346	An AI-Driven Federated Governance Framework for Data Mesh Using Computational Intelligence for Automated Policy Propagation and Data Quality Optimization	Jagan Ankam, CGI Inc.
13		1347	Consent-Centered Human Handoffs in On-Device Conversational AI for Technology-Facilitated Abuse: Privacy Boundaries, Mental Models, and Cybersecurity Support	Himaja Challa, Edwards LifeSciences
14		1370	Real-Time Environmental Data Analytics and Carbon Emission Monitoring Through SAP ERP Systems	Raja Velu, Global IT Solutions
15		849	Nanowire Electrical Resonance: A Roadmap for Receptor-Free, Multi-Modal Sensing	Dr. Prashanthi Kovur, Department of Chemical and Materials Engineering, University of Alberta, Edmonton, AB, Canada

Paper Presentation Schedule

Intelligent Sensing and Autonomous Systems for Sustainable Future

ISASF-2026

Thursday 20th November 2026

Offline Paper Presentation Session (Australia)

Time: 11:00 am – 01:00 pm AEDT | 05:30 am – 07:30 am IST

Location: Western Sydney University, Hawkesbury Campus, Richmond | Hall: L2 Building | Online via Zoom

S No	Time (AEDT)	Time (IST)	Paper Title	Presenter
	1100 – 1105 Hrs	**0530 – 0535 Hrs**	***Opening Remarks and Introduction by Session Chair***	
1	1105 – 1112 Hrs	0535 – 0542 Hrs	AI-Driven Predictive Analytics for Strategic Decision-Making in Small and Medium Enterprises	**Babita**
2	1112 – 1119 Hrs	0542 – 0549 Hrs	IoT-Enabled Smart Supply Chain Management: Enhancing Real-Time Visibility and Operational Efficiency	**Surbhi Ghorela**
3	1119 – 1126 Hrs	0549 – 0556 Hrs	Generative AI in Human Resource Management: Transforming Talent Acquisition and Employee Engagement	**Trishali Chadha**
4	1126 – 1133 Hrs	0556 – 0603 Hrs	Integrating Blockchain and AI for Transparent Financial Reporting and Fraud Detection	**Guntaas Singh Gill**
5	1133 – 1140 Hrs	0603 – 0610 Hrs	Machine Learning Models for Customer Churn Prediction in Digital Marketing	**Daksh Johar**
6	1140 – 1147 Hrs	0610 – 0617 Hrs	Industry 4.0 and IoT-Based Predictive Maintenance: A Framework for Manufacturing Excellence	**Kanishka Sharma**
7	1147 – 1154 Hrs	0617 – 0624 Hrs	Ethical AI Governance: Balancing Innovation, Accountability and Corporate Responsibility	**Ananya Gupta**
8	1154 – 1201 Hrs	0624 – 0631 Hrs	Edge Computing and IoT for Sustainable Smart City Infrastructure Management	**Duke Basumatary**
9	1201 – 1208 Hrs	0631 – 0638 Hrs	AI-Powered Chatbots and Their Impact on Customer Experience in E-Commerce	**Yati**
10	1208 – 1215 Hrs	0638 – 0645 Hrs	Big Data Analytics and AI for Sustainable Business Strategy and ESG Performance	**Anshika Singh**

S No	Time (AEDT)	Time (IST)	Paper Title	Presenter
11	1215 – 1222 Hrs	0645 – 0652 Hrs	Cybersecurity Risk Management in AI-Enabled Cloud Environments: A Managerial Perspective	**Jalaj Bhati**
12	1222 – 1229 Hrs	0652 – 0659 Hrs	Digital Twin Technology and IoT for Agile Operations Management	**Ishita Gupta**
13	1229 – 1236 Hrs	0659 – 0706 Hrs	Role of Artificial Intelligence in FinTech: Reshaping Digital Payments and Financial Inclusion	**Titiksha Naval**
14	1236 – 1243 Hrs	0706 – 0713 Hrs	Agentic AI and Intelligent Automation for Workforce Productivity in Knowledge Organisations	**Priyanka Chaudhary**
15	1243 – 1250 Hrs	0713 – 0720 Hrs	AI and IoT-Driven Smart Energy Management: Optimising Costs and Sustainability in Modern Enterprises	**Yuvraj Vikram Singh Chhikara**
	1250 – 1300 Hrs	**0720 – 0730 Hrs**	***Concluding Remarks and Vote of Thanks***	

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/0nT27GIBRraQ1fkvK2xy4Q

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-A

Session Chairs:

1. Jigneshkumar Thakkar, Design Verification Manager, Apple, USA

2. Dr Richa, Associate Professor &Area Chair- Operations, Asian Business School, Noida, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Jayesh Radadiya, Sr. Electrical Engineer, META, Fremont, California, USA**		
1	10:10-10:15 am	1295	Orientation-Aware Compilation of Megaminx-Style Move Streams: Exact Planning and a Reproducible Surrogate Benchmark	Matthew Liong
2	10:15-10:20 am	1300	Digital Twin Technology and Predictive Maintenance in Industrial IoT: A Deep Learning and Survival Analysis Framework	Aarush Menezes
3	10:20-10:25 am	579	A Cloud-Native Composable Customer Data Platform Architecture for Real-Time Omnichannel Activation	Vijay Kumar Dadi
4	10:25-10:30 am	5	AI-Driven Aviation Procurement and Supplier Collaboration Platform for Intelligent Supply Chain Decision-Making	Pallab Haldar
5	10:30- 10:3m	141	Local-First, Security-Aware Machine Learning Software for Leptospirosis Risk Assessment in Semarang, Indonesia: A One Health Software Framework	Raghav Gaur
6	10:35- 10:40 am	548	Sales Forecasting and Revenue Optimization in Salesforce Ecosystems Through AI-Enabled Analytics	Pavan Koppula
7	10:40- 10:45 am	550	Machine Learning–Based Optimization of School Bus Routing for Large-Scale Student Transportation Networks	Gaurav Sharda
8	10:45- 10:50 am	559	AI-Driven Secure Enterprise Integrations for Salesforce CRM	Pavan Koppula
9	10:50- 10:55 am	560	Intelligent Automation in Transportation: Exploring AI and RPA for Process Optimization and Decision Support	Anji Reddy Tangirala
10	10:55- 11:00 am	568	Uncertainty-Aware and Calibration-Guided Machine Learning for Predicting Cancer Immunotherapy Response Using Public Clinico-Genomic Datasets	Akhilesh Kuppili

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/POZQZlobQ1m6wxPMNZoQlQ

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-B

Session Chairs:

1. Karthik Coimbatore Varadaraj, Core Infrastructure Engineering Architect, Oracle, USA

2. Dr. Akashbhai Ashokbhai Dave, Associate Professor and Head, Sardar Patel College of Engineering and Technology (SPCET), Bakrol, Anand, Gujarat, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Venkata Sai Aditya Kondru, Software Engineer, FMR, USA**		
1	10:10-10:15 am	963	AI-Assisted Computational Prediction of CRISPR Targets for Cardiac Remodeling Genes	Atharv Ved
2	10:15-10:20 am	965	Self-Calibrating Uncertainty-Aware Safety Shield for a Teleoperated RC Automobile Under Network Delay and Packet Loss	Aditya Sarkar
3	10:20-10:25 am	967	AI-Enabled Low-Cost Point-of-Care Screening for Multi-Organ Diagnosis in Rural Healthcare	Abhigna Naik
4	10:25-10:30 am	968	AI-Based Nail Disease Classification Using Image Characteristics and Deep Learning	Neil Voore
5	10:30- 10:35 am	970	AI-Assisted Prediction Models for Primary Anterior Cruciate Ligament Injury Risk and Recovery Time using Basketball Athlete Performance Data	Ben Zhang
6	10:35- 10:40 am	1299	Digital Transformation and Intelligent Sensor Technologies: A Fuzzy-Set Qualitative Comparative Analysis (fsQCA)	Shreya Sinha
7	10:40- 10:45 am	830	AI-Driven LLM Evaluation Framework for Efficient and Reliable Model Inference	Aashrith Sai Tadkamadla
8	10:45- 10:50 am	723	AI-Powered Dynamic Arbitrage Optimization Across Multi-Cloud Environments	Brijesh Tripathi
9	10:50- 10:55 am	743	Operationalizing Ethical and Secure AI Maturity for Scalable Product Platforms, Enterprise Automation, and Healthcare Systems	Venkata V
10	10:55- 11:00 am	748	Secure Multi-Agent Collaboration Using Zero Trust Architecture	Lok Santhoshkumar Surisetty

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/4Zx6Gb4TTQCholI2U7RelOA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-C

Session Chairs:

1. Nikhil Kumar Aedla, Principal Data Storage Engineer, Navy Federal Credit Union, USA

2. Dr. Sumit Kumar Rana, Associate Professor, Chandigarh University, Mohali, Punjab, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Rajitha Gentyala, Staff Engineer, Western Alliance Bank, USA**		
1	10:10-10:15 am	798	Trustworthy and Explainable AI for Employee Attrition Prediction	Manish Aggarwal
2	10:15-10:20 am	791	Leadership Capabilities and Sustainable Business Growth: An Empirical Investigation	Choi Sang Long
3	10:20-10:25 am	811	Adaptive Ransomware Detection and Response Framework for Enterprise Systems	Sabeeruddin shaik
4	10:25-10:30 am	1301	AI-Based Digital Intelligence for Environmental Monitoring: A Multilevel Modeling and Predictive Analytics Approach	Ana Perez
5	10:30- 10:35 am	1302	Digital Technologies and Autonomous Decision-Making in Smart Cities: A Hybrid SEM–Artificial Neural Network Analysis	Rhea Ravindran
6	10:35- 10:40 am	750	Artificial Intelligence-Driven Smart Manufacturing with Salesforce-Enabled Production Management	Santosh Jagilinki
7	10:40- 10:45 am	1303	Trustworthy AI and Digital Sensor Networks: A Bayesian Network Modeling Approach	Aishiki Dutta
8	10:45- 10:50 am	1304	EdgeLeaf-NovaNet: A Lightweight Multi-Scale Attention Framework for Intelligent Apple Leaf Disease Sensing and Classification	Dhanvi Kodali
9	10:50- 10:55 am	1352	Causal Multimodal AI for Identifying Biomarkers That Trigger Transition from Healthy to Asymptomatic Cancer	Esha Desai
10	10:55- 11:00 am	912	Enterprise Data Architecture for AI and ML-Driven Supply Chain Optimization and Predictive Analytics: A Design Science Study	Pallab Haldar

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/tZ4Mkr7aShGr5YssDnrUiq

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-D

Session Chairs:

1. Suresh Gangula, Software Engineer, Nike, Inc., Beaverton, Oregon, USA

2. Dr. Mayank Kumar, Associate Professor, Christ University, Bengaluru, NCR Campus, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Rajmani Singh Oinam, Solution Architect Advisor, MRO Corp., Royersford, PA, USA**		
1	10:10-10:15 am	142	LLM-Based vs. Traditional Sentiment Analysis for Cryptocurrency Price Prediction: A Sequential Multi-Platform Comparison	Loveleen Gaur
2	10:15-10:20 am	989	Leakage-Aware Evaluation of an Imbalance-Robust MobileNetV2 Framework for Dementia Stage Classification from OASIS MRI Slices	Rishon V. Muppaneni
3	10:20-10:25 am	1218	AI-Driven Digital Ecosystems and Intelligent Resource Management: A Bayesian Structural Equation Modeling Analysis	Hukam Singh
4	10:25-10:30 am	902	EEG Motor Imagery Signal Classification for Brain Computer Interfaces: A Comparative Analysis of Machine Learning and Deep Learning Models	Aditya Arvind
5	10:30- 10:35 am	1025	Leakage-Aware Text Classification for Auditing Incretin–Binge-Eating Evidence	Athena Richter
6	10:35- 10:40 am	1034	Digital Twin-Enabled Intelligent Sensing Systems: A PLS-SEM and Machine Learning Approach	Mishika Joisher
7	10:40- 10:45 am	1036	Rethinking AI-Driven Knowledge Creation in Learning Ecosystems: A Structural Perspective	Ashwajit Warwatkar
8	10:45- 10:50 am	1037	Reimagining Academic Infrastructure Through Intelligent Sensing and AI Lens	Mary kabore
9	10:50- 10:55 am	1038	Towards Intelligent Hearing Healthcare: Structural Modelling of AI-Enabled Assistive Technologies Using MCDM Framework	David Dosunmu
10	10:55- 11:00 am	1221	Digital IoT Adoption in Autonomous Systems: An Integrated PLS-SEM and Artificial Neural Network Approach	Alle Rithika

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/QFux3JOtQyCtstUh0T4qGA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-E

Session Chairs:

1. Prasanna Sundaravaradan, Application Development Lead, Anveta Inc, Coppell, TX, USA

2. Sheetal Mavi, Department of Computer Science, Bharati College, University of Delhi, India

3. Dr. Rajesh Verma, Associate Professor, School of Business & Management at CHRIST (Deemed to be University), Delhi NCR Campus, India

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Shivakrishna Vangala, Principal Architect, T-Mobile USA Inc, USA**		
1	10:10-10:15 am	957	SkyShield: Feasibility-Constrained Emergency Action Selection from IMU-Centered Evidence for Multirotor UAVs	Amaay Gupta
2	10:15-10:20 am	959	Feasibility-Guaranteed Post-Processing for GCN-Based Minimum Vertex Cover: A Reproducible Empirical Study	Manomay Jain
3	10:20-10:25 am	960	An Explainable Machine Learning and Deep Learning Pipeline for Detecting Neurovascular Invasion in Glioblastoma from Multimodal MR	Mithreiya Ponnarasan
4	10:25-10:30 am	961	Exploratory Analysis of Smartphone Motion Features for Tremor Classification and Cohort Harmonization	Vibha Gali
5	10:30- 10:35 am	962	Sparse-Sensor Graph-Aware Faulted-Section Localization and Service Restoration in Solar-Integrated Distribution Feeders	Aadi Ray
6	10:35- 10:40 am	1353	Evaluating and Prioritizing Artificial Intelligence Interventions for Circular Supply Chain Management A Multi-Criteria Decision-Making Framework	Kiran Kumar Reddy
7	10:40- 10:45 am	1354	Mapping Cause-and-Effect Interdependencies Among Barriers to AI-Enabled Circular Economy Adoption Using DEMATEL Analysis	Bhargavi Mitra Kondiparthi
8	10:45- 10:50 am	1356	Digital Twin Integration and Intelligent Sensor Fusion: A Multivariate Adaptive Regression Splines (MARS) Analysis	Ashneeth Manda
9	10:50- 10:55 am	1357	AI-Powered Digital Platforms and Real-Time Monitoring: A Dynamic Panel Data Modeling Approach	Meghna Magesh
10	10:55- 11:00 am	1358	Digital IoT and Intelligent Waste Management: A Latent Class Analysis and Machine Learning Approach	Mahi Junnare, Anika Patwa

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/2wdY3sZKROGly-_AkfTtJg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-F

Session Chairs:

1. Brinda Pradeep, Senior Software Test Engineer, Rockwell Automation, Mayfield Heights, Ohio, USA

2. Dr. Raj Sinha, Chief Research Officer (Assistant Professor), PIET-MCA, Parul University, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Uday Kumar Reddy Gangula, Software Engineering MTS, Salesforce, Inc., USA**		
1	10:10-10:15 am	948	Component-Aware Adaptive Digital Twin for Multi-Objective CNC Process Optimization in Aerodynamic Motorsport Component Manufacturing	Adit Agarwal
2	10:15-10:20 am	950	Supervised Latent Belief-State Modeling for Multi-Turn Reasoning in Small Language Models	Svanika Doddavarapu
3	10:20-10:25 am	954	Beyond Solution Accuracy: Derivative Fidelity, Symbolic Discovery, and the Jitter Paradox in Physics-Informed Neural Networks	Nishanth Alampally
4	10:25-10:30 am	955	Machine Learning Prediction of Cr(VI) Adsorption Capacities on Agricultural Biochars from Structural and Chemical Descriptors	Ishan Suryavaram, Mahi Junnare
5	10:30- 10:35 am	956	Loss-Aware Modeling and Monte Carlo Validation of Fusion-Inspired Photonic Quantum Benchmarks	Raaghav Sai Gundabolu
6	10:35- 10:40 am	1149	Integration of Air Pollution Exposure and Genetic Susceptibility to Predict Time-to-Onset of Respiratory Disease Ris	Avyay Gupta
7	10:40- 10:45 am	1361	Blood Transcriptomic Signatures of Neurovascular Dysfunction in Cognitive Decline: A Leakage-Controlled, Externally Validated Machine-Learning Study	Ambikesh Soni
8	10:45- 10:50 am	1373	Bayesian Triangulated Modeling for Stress-Gut-Metabolism Interactions in Adolescents	Srihaan Edla
9	10:50- 10:55 am	1378	An AI-Driven Computational Drug Discovery Framework for Machine Learning-Assisted Screening and Predictive Evaluation of Small-Molecule CARM1 Inhibitors for Cancer Therapeutics	Ritisha Chakrabarty
10	10:55- 11:00 am	1211	Hybrid Deep Learning and Blockchain Framework for Intelligent Network Security in Cloud Environments	Onkar Mayekar

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/RlqX8Hp8QFmuox-MJrDRAq

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-G

Session Chairs:

1. Palanichamy Swaminathan, Senior Manager – SAP Technical Product Owner, Gilbert, Arizona, USA

2. Dr. Swati Goel, Assistant Professor, Chitkara University Institute of Engineering and Technology, Chitkara University Punjab, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Bharathi Sesha Sai VARANASI, Cybersecurity Architect, Leidos INC, USA**		
1	10:10-10:15 am	933	Digital Carbon Footprint Intelligence Framework: AI-Driven Estimation, Personalized Reduction, and Cloud Workload Optimization	Krishna Kaloni
2	10:15-10:20 am	937	The Cost of Rapid Unplanned Growth: PM2.5 Burden in Emerging vs. Developed Economies	Kuval P. Sehgal
3	10:20-10:25 am	939	Multimodal AI and Machine Learning Fusion of EEG Microstate Sequence Coding and Kynurenine Biomarkers for MDD Assessment	Devansh Gupta
4	10:25-10:30 am	945	AI-Driven Immunological Risk Predictor: Using Artificial Intelligence to Predict Immune Responses to Cardiovascular Implants	Khyati Swain
5	10:30- 10:35 am	947	Machine Learning-Based Uplift Modeling for Targeted Intervention Effect Analysis	Saanvi Kumar
6	10:35- 10:40 am	1104	From Intelligent Sensing to Autonomous Decision-Making A Systems Framework for Sustainable AI Deployment	Aaryan Menezes
7	10:40- 10:45 am	1105	A Cyber-Physical Framework for Sustainable AI Adoption: Integrating Intelligent Sensing and Digital Twins	Tavisha Srivastava
8	10:45- 10:50 am	1126	Large Language Model-Based Network Intrusion Detection and Adaptive Cyber Defense System	Yashwanth
9	10:50- 10:55 am	1141	Decoding the Structural Dynamics of AI Adoption Barriers in Smart Learning Ecosystems	Seokjun Go
10	10:55- 11:00 am	1142	Towards Sustainable Autonomous Systems: Modelling Critical Success Factors for Intelligent AI Ecosystems	Serena Glenn

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/KLpC5plaT_GfEyJk6OKolA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-1 (10:00-11:00) IST (Nov 19, 2026), Room-H

Session Chairs:

1. Jaiganesh Jeyapragasam, Senior Data Engineer, Charlotte, North Carolina, USA

2. Dr. Tarandeep Kaur Bhatia, Assistant Professor, Amity School of Engineering and Technology, Amity University Punjab, Mohali, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	10:00-10:10 am	**Session Keynote Speaker: Dr. Wesam Alabbasi, Assistant Professor, Department of Computer Science, Applied Science Private University, Jordan**		
1	10:10-10:15 am	980	AI Framework for Predicting Functional Roles of Non-Coding DNA	Jai Antil, Zain Shaikh, Ezekiel Yunalov Kyosev
2	10:15-10:20 am	981	AI-Driven Satellite Conjunction Risk Early Warning via Causal Machine Learning Trajectory Encoding Under Operator Review Budgets	Krishik Singh
3	10:20-10:25 am	982	Machine Learning Diagnosis and AI-Gated Landmark Graph Coding for Safety Relocalization in Medical Image Registration	Viba Mohan
4	10:25-10:30 am	983	AI-Enhanced Fibre-Reinforced Composites for Aerospace Thermal Protection Systems	Arjun Vinayaka Doss
5	10:30- 10:35 am	984	Performance Analysis of Hybrid Active-Passive RIS-Assisted Vehicular Massive MIMO under Imperfect CSI	Aditya Kumar Arun
6	10:35- 10:40 am	1039	Edge Intelligence for Sustainable Smart Campuses: A Digital Twin–Enabled Autonomous Learning Environment	Prisha Agrawal
7	10:40- 10:45 am	1041	Machine Learning–Assisted Cadence-Risk Classification for Short-Duration Exoplanet Transit Parameter Recovery	Ana Perez
8	10:45- 10:50 am	1064	An Autonomous Decision Support Framework for AI-Driven Healthcare Systems: A Multi-Criteria Perspective	Athena Richter
9	10:50- 10:55 am	932	Computational Identification of Gut Microbial Nitroreductases Involved in Nitrobenzodiazepine Metabolism	Meera Radhakrishnan
10	10:55- 11:00 am	1067	Advancing Knowledge Management Through Sustainable AI Ecosystems: Evidence from the IT Sector	Yathinsai Pasupuleti

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/0nT27GlBRraQ1fkvK2xy4Q

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-A

Session Chairs:

1. Balakrishnan Jayasankar, Principal Systems Engineer – Fusion Site Reliability Engineering, Castle Pines, Colorado, USA

2. Dr. Sumit Badotra, Assistant Professor (Grade-III), School of Engineering and Technology, BML Munjal University, Gurugram, Haryana, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Srilatha Boga, Senior Software Engineer | Cloud Architect , CVS Health, USA**		
1	11:10-11:15 am	1380	An AI-Driven Computational Bioinformatics Framework for Automated Metagenomic Sequence Classification, Algorithmic Filtering, and High-Dimensional Heatmap Analysis in Marine Disease Surveillance	Sidharth S. Iyer
2	11:15-11:20 am	1381	Explainable Machine Learning for Alzheimer's-Related Cognitive Similarity Prediction Through Chronotype and Circadian Behavior	Arka Samatham
3	11:20-11:25 am	1388	Temporal Graph Learning for Predicting Cyberattack Propagation Across Interdependent Cyber-Physical Systems	Harleen Kaur
4	11:25-11:30 am	1389	AI-Driven Multi-Objective Optimisation of Closed-Loop Life Support and Thermal Management Systems for Sustainable Space Habitats	Chitraksh Lal
5	11:30- 11:35 am	1398	Explainable AI and Digital Intelligence in Autonomous Systems: An Integrated PLS-SEM and fsQCA Approach	Mame-diarra Bousso Diongue
6	11:35- 11:40 am	1399	6G-Enabled Digital Sensing and Autonomous Communication Systems: A Bayesian Hierarchical Modeling Framework	Ahmed Afzal
7	11:40- 11:45 am	1400	Digital Intelligence, IoT, and AI Integration in Autonomous Systems: A Hybrid Deep Learning and Structural Equation Modeling Approach	Tazmeen Sarah
8	11:45- 11:50 am	1390	Physics-Informed Machine Learning for Coordinated Cyberattack Detection and Resilient Control in Cyber-Physical Power Systems	Harleen Kaur
9	11:50- 11:55 am	1523	An LLM-RAG Augmented ODC-ANN Framework for Software Defect Prediction and Reliability Evaluation	Krishna KOVUR
10	11:55- 12:00 pm	1393	A Machine Learning-Assisted Adaptive Optimization Framework for Robust Resonant Wireless Power Transfer Under Misalignment and Detuning	Thashwin Sai V

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/POZQZlobQ1m6wxPMNZoQlQ

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-B

Session Chairs:

1. Rajaganapathy Mohan, Senior Technical Architect – Enterprise Architecture & Digital Transformation, Solon, Ohio, USA

2. Dr. Kavita, Professor, Rayat Bahra University, Mohali, India

3. Dr. Sheetal Singh, Assistant Professor, Department of Computer Science, Ramanujan College, University of Delhi, India

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Ratna Chaitanya Yarrapothu, Senior Software Engineer, Backend and Distributed Systems, Synacor, Zimbra Collaboration Suite, USA**		
1	11:10-11:15 am	1403	Learning Adaptive Attack Strategies Through Adversarial World Models for Autonomous Cyber Defense	Shouvik Sunil Sharma
2	11:15-11:20 am	1406	AI-Based Diabetic Retinopathy Detection Using Retinal Fundus Images	Udaya Sri Satya Sai Vaddi
3	11:20-11:25 am	1408	Risk-Aware Self-Healing Cloud Infrastructure Using Agentic AI and Policy-Based Remediation for Regulated Financial Systems	Gaurav Sharma
4	11:25-11:30 am	1412	A Digital Twin Framework for Credit Card Portfolio Stress Testing: Simulation-Driven Machine Learning for Financial Resilience	Gopinathan Rathinavelu
5	11:30- 11:35 am	1413	An AI-Driven Machine Learning and Neural Network Framework for Predictive Modeling of Two-Zone Cosmic-Ray Positron Diffusion from Geminga and Monogem Pulsars	Yuvan Ghanta
6	11:35- 11:40 am	1419	The Quantum-Resistant Cryptographic Techniques for Secure IoT and Wireless Communication Systems	Onkar Mayekar
7	11:40- 11:45 am	1422	Longitudinal Prediction of Future Impulse-Control Disorder Risk in Parkinson's Disease Using Machine Learning	Suraj Namburi
8	11:45- 11:50 am	1423	Multimodal Wearable Biosignal Analysis for Seizure Forecasting: A Patient-Wise Evaluation of EEG, ECG, EMG, and Movement Features	Jayant Namburi
9	11:50- 11:55 am	1424	MagPatch: AI-Guided Adaptive Detection, Quantification, Prediction, and Targeted Intervention for Blood–Brain Barrier Leakage	Pranav Nittala
10	11:55- 12:00 pm	1429	An Adaptive Confidence-Aware LLM Framework for Robust Speech Transcript Correction Using Selective Editing and Post-Correction Verification	Saanvi Ganesh

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/4Zx6Gb4TTQCholI2U7RelOA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-C

Session Chairs:

1. Shivakanth Gagireddi, Senior Windows Administrator/Citrix Engineer, Southwestern Vermont Medical Center, USA

2. Dr. Satish R. Jondhale, Associate Professor, Amrutvahini College of Engineering Sangamner (Affiliated with Savitribai Phule Pune University, Pune), India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Anupam Anand, Software Manager, Accenture LLC, USA**		
1	11:10-11:15 am	1432	AI-Enabled Biochemical Sensor Analysis for Addiction Biomarker Detection and Monitoring	Mahi Choudhrie
2	11:15-11:20 am	1442	An Explainable AI Framework for Reliability-Aware Genetic Variant Classification Using Machine Learning-Based Confidence Calibration and Selective Prediction	Avyay Kodali
3	11:20-11:25 am	1445	Agentic AI - Driven Identity Governance for Resilient Software Supply Chain Security	Ramakrishna Reddy Gudimetla
4	11:25-11:30 am	1451	An AI-Driven Deep Learning and Neural Network Framework for Explainable Seven-Class Skin Lesion Classification Using Progressive Semantic-Anchored Fusion	Maya Chernolutskiy
5	11:30- 11:35 am	1472	An AI-Driven Multi-Agent Planning Framework for Multi-UAV Systems Using Large Language Models, Pipeline Validation, and Failure Containment	Mohammed Alnuwaiser
6	11:35- 11:40 am	1473	An AI-Driven Transformer-Based Machine Learning Framework for Spaceflight-Induced Bone Atrophy Prediction Using Multimodal Biomarker Fusion	Ranjhannaa Amarnath
7	11:40- 11:45 am	1474	Agentic AI in Enterprise Decision-Making: Exploring Autonomous AI Agents, Organizational Efficiency and Strategic Agility	Amit Walia
8	11:45- 11:50 am	1475	AI-Driven Cybersecurity and Organizational Resilience: An Explainable Machine Learning Approach	Nishanth Vepachedu
9	11:50- 11:55 am	1479	An AI-Driven Deep Learning Framework for Non-Invasive Blood Glucose Estimation Using Derivative-Synchrosqueezed PPG Imaging and Convolutional Neural Networks	Devansh Deka
10	11:55- 12:00 pm	1484	Beyond Budget Compliance: Measuring Genuine Cost Efficiency	Muskan Ahuja

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/tZ4Mkr7aShGr5YssDnrUig

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-D

Session Chairs:

1. Naveen Kottapalli, Vice President – Technology Services Lead, Modern Data Analytics, Platform, Bank of America, Oak Point, Texas, USA

2. Dr. Arun Kumar Rana, Professor, Galgotias College of Engineering and Technology, Greater Noida, U.P., India

3. Prudhvi Raj Katragadda, Senior Platform Engineer, Bellevue, Washington, USA

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Harvendra Singh, Sr Manager IT, Publix Super Markets Inc, USA**		
1	11:10-11:15 am	1485	From SEO to GEO: A Quantitative Framework for Measuring Brand Visibility in Generative AI Search	Anushka Anandi Prasad
2	11:15-11:20 am	1486	Transforming SME Financial Operations: AI-Enabled Treasury Management in Emerging Markets	Raghu Chirra
3	11:20-11:25 am	1491	AI-Driven Supplier Quality Assessment in Mechatronic Manufacturing Systems	Kesava Abisek Rengaraju Senthamil selvi
4	11:25-11:30 am	1492	Letting AI Touch the Mainframe Safely: Least-Privilege Guardrails for LLM Agents on z/OS	Rohit Kumar Shaw
5	11:30- 11:35 am	1493	AI-Based Agentic Dependency-Aware Software Change Impact Prediction	Sagar Kesarpu
6	11:35- 11:40 am	1494	Leveraging AI for Cybersecurity in Cloud Computing: Intelligent Access Control and Data Protection Strategies	Apurva Jha
7	11:40- 11:45 am	1495	AI-Driven Framework for Automated Resiliency Measure Tracking and Regulatory Compliance Under PUCT 16 TAC §25.62	Naveen Nischal Vaduguru
8	11:45- 11:50 am	1505	Machine Learning-Based Architecture for Automated Data Pipeline Optimization and Quality Assurance	Sriharsha Gudi
9	11:50- 11:55 am	1506	An AI-Enabled Data Quality Framework for Automated Error Detection and Data Validation	Jashwanth Yenumula
10	11:55- 12:00 pm	1511	Explainable AI and Study-Aware Machine Learning for Data-Driven Prediction of Soil Moisture Retention in Biochar-Amended Soils from Literature Data	Amey Amle

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/QFux3JOtQyCtstUh0T4qGA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-E

Session Chairs:

1. Vikram Isanaka, Director, Risk Management/ AI Gov, New Jersey, USA

2. Dr. Vaibhav C. Gandhi, Assistant Professor, Madhuben and Bhanubhai Patel Institute of Technology (MBIT), The Charutar Vidya Mandal (CVM) University, Gujarat, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Onyinyechi Onyejiaka, Partner, Lael Law, USA**		
1	11:10-11:15 am	1374	From Simulated Benchmarks to Farm Advice: A Two-Gate Decision-Support Framework for AI in Precision Agriculture	Sheetal Mavi
2	11:15-11:20 am	1497	Physics-Based Modeling of Photon Loss and Entanglement Dynamics in Photonic Quantum System	Sarthak Kamalkishor Dhole
3	11:20-11:25 am	1499	Large Language Model-Based Supply Chain Decision Intelligence for Enterprise Operations	sai sree rama praneeth munuganti
4	11:25-11:30 am	1502	MS-GAT: A Multi-Scale CNN and Graph Attention Network for Robust Brain Tumor MRI Classification	Kairav Sapru
5	11:30- 11:35 am	1529	Predicting Employee Attrition Using IBM Analytics Tool: Identifying and Analysing Key Drivers	Arsh Mehay
6	11:35- 11:40 am	1518	Intelligent Financial Systems and Employee Well-Being: The Mediating Role of Trust in AI	Nazia Hasan
7	11:40- 11:45 am	1496	DormancyNet: An AI-Driven Machine Learning and Single-Cell Transcriptomics Framework for Tumor Dormancy Classification and Cancer-Associated Fibroblast Signaling Analysis	Sanjay Adig
8	11:45- 11:50 am	1371	Multi-Stage DNS Tunnel Detection Using Entropy and Positional n-gram Similarity Analysis	Deepak Rai
9	11:50- 11:55 am	1365	A Machine Learning-Enabled Framework for Task Complexity Classification and Path Planning in Autonomous Mobile Robots	shalli Rani
10	11:55- 12:00 pm	1368	Autoencoder-Based Federated Learning for Intrusion Detection in IoT Environments: A Multi-Seed Empirical Study	Jyoti Maini

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/2wdY3sZKROGly-_AkfTtJg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-F

Session Chairs:

1. Sai Mohan Dasari, Principal Data / AI Engineer, Texas, USA

2. Dr. Cheta Desai, Associate Professor, Bhagwan Mahavir College of Commerce and Management Studies, Bhagwan Mahavir University, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Navneet Kumar Tyagi, Senior Software Engineer, Finance of America, USA**		
1	11:10-11:15 am	1516	An AI-Driven Machine Learning Framework for Single-Cell Transcriptomic Analysis and In-Silico Prediction of Hippocampal Neurogenesis in Alzheimer's Disease	Aanya Dey
2	11:15-11:20 am	1517	Cross-Border Mergers and Acquisitions (M&A) Target Selection and Synergy Prediction: An Empirical Machine Learning Approach	Tauseef Malik
3	11:20-11:25 am	1530	Beyond the Code: A Cybersecurity Risk Framework for Blockchain-Enabled Transactions	Avinash Reddy Pothu
4	11:25-11:30 am	1531	Blockchain-Driven Identity Management for Strengthening Privacy and Trust in Connected Digital Services	Sai Krishna Vadlamudi
5	11:30- 11:35 am	1532	Generative AI for Designing Circular Products: A Framework for Sustainable Product Innovation and Lifecycle Optimization	Sudhir Kumar Mohapatra
6	11:35- 11:40 am	1533	Prioritizing AI-Enabled Strategies for Industrial Symbiosis: A Multi-Criteria Decision-Making Approach to Circular Economy Adoption	Mrugendra Rudrappa Madalagi
7	11:40- 11:45 am	1534	Privacy-Preserving Federated Ensemble Learning for Fair and Calibrated Financial Risk Assessment	Akul Nehra
8	11:45- 11:50 am	1537	Predicting Generation Z Consumer Preferences and Brand Loyalty: A Hybrid Random Forest and SHAP-Based Explainable Artificial Intelligence Approach	Venkateswara Rao
9	11:50- 11:55 am	1348	Camlanso: A Context-Aware Multi-Layer Adaptive Neuro-Symbolic Framework for Reliable Test Oracle Generation in Agile Software Testing	Huxley S
10	11:55- 12:00 pm	1334	Intelligent Sensing of Consumer Trust in LLM-Based Financial Advisory Systems: An Empirical Study of Risk, Privacy, and Adoption Intention	Nilarghya Gorai

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/RlqX8Hp8QFmuox-MJrDRAg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-G

Session Chairs:

1. Seshadri Ravikiran Vedula, Software Engineering Technical Leader, Cisco Systems, Inc., Seattle, Washington, USA

2. Dr. Kamini Ashutosh Shirsath, Professor, Vice Principal, Computer Engineering, Sandip Institute of Engineering and Management, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Chethan Kanakuppe Siddegowda, Engineering Manager, Magna Electronics, USA**		
1	11:10-11:15 am	1535	AI for Dormant Cancer Cell Reactivation Prediction: A Multimodal Framework	Aashritha Ilenchezhian
2	11:15-11:20 am	1536	Machine Learning-Based Regression Analysis of Passive Flap-Gate Systems for Estuarine Flood Mitigation	Rohan Belahal
3	11:20-11:25 am	1459	Explainable Behavioral Fingerprinting for Enterprise Network Security towards Shadow AI Detection	Dr Kavita
4	11:25-11:30 am	1391	Context-Aware Intelligent Decision Systems: A Review of Learning Methods for Adaptive Scheduling, Mobility Dispatch and Human-Centred Services	Dr. Pankaj Kumar
5	11:30- 11:35 am	1392	Adoption of Artificial Intelligence in Talent Acquisition: A Review and Proposed Conceptual Framework of Security Issues and Human Resistance in IT Industry	Sheetal N Acharya
6	11:35- 11:40 am	1382	SmartTargetNet: A Hybrid FT-Transformer and XGBoost Framework for Precision Marketing and Customer Engagement Prediction	Neha Sharma
7	11:40- 11:45 am	1387	Hybrid GNN–RNN–GRU Framework for Intelligent Stockout Prediction and Supply Chain Optimization Using Deep Learning	Cheta Desai
8	11:45- 11:50 am	1312	AI-Based Multi-Domain Analysis of Android Threat Detection Systems: Current Advances, Dataset Assessment and Research Gaps	shalli Rani
9	11:50- 11:55 am	1480	LoRa Mesh Networks for Disaster Communication: A Review with Simulation and On-Device Message Prioritization as Proof of Concept	Abhinav Kumar
10	11:55- 12:00 pm	1481	Explainable Preoperative Risk Prediction on the MOVER Surgical Database: Logistic Regression versus XGBoost with Calibration, Explanation Stability and External Validation	Raghav Goel

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/KLpC5plaT_GfEyJk6OKolA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-2 (11:00-12:00) IST (Nov 19, 2026), Room-H

Session Chairs:

1. VENKATA Vamsi Emani, Project Controls, Tesla, Dallas, USA

2. Dr. Sarika Jadhav, Sr. Assistant Professor, School of Computer Science Engineering and Applications, D Y Patil International University, Akurdi Pune, India

3. Dr Anju Tripathi, Associate Professor, Jaipuria School of Business, Ghaziabad, India

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	11:00-11:10 am	**Session Keynote Speaker: Yogesh Gawade, Engineering Team Lead, Rheinmetall, USA**		
1	11:10-11:15 am	1406	AI-Based Diabetic Retinopathy Detection Using Retinal Fundus Images	Udaya Sri Satya Sai Vaddi
2	11:15-11:20 am	1407	An Explainable AI Framework for Autonomous Self-Healing in Enterprise Cloud Platforms	Satya narayana modalavalasa
3	11:20-11:25 am	1404	AI-Driven Network Fault Prediction and Automated Remediation	Rahul Tavva
4	11:25-11:30 am	1489	AI-Driven PLC-Based Industrial Automation for Smart Manufacturing Systems	Jitender Kumar
5	11:30- 11:35 am	1503	Predictive Analytics for International Market Entry Strategy: A Data-Driven Framework for Identifying and Evaluating Potential Foreign Markets	Chehak Aggarwal
6	11:35- 11:40 am	1498	F2IDD: An Attention-Based Multimodal Framework for Image Deepfake Detection	Diya Garg
7	11:40- 11:45 am	1504	Retinal Lesion Identification and Severity Classification: A Review of Current Methods and Frameworks	Chetna Pandey
8	11:45- 11:50 am	1467	Integrating Bharatiya Pedagogical Principles with AI-Driven Assessment Technologies for Contextualised Higher Education	Subarna Saha
9	11:50- 11:55 am	1401	An Intelligent Edge-Based Persistent Information Display Framework for Smart Academic Environments	Dr. Pankaj Kumar
10	11:55- 12:00 pm	1519	Technological Progress and Factors Affecting External Debt in India: A Cointegration and VECM Analysis	Nazia Hasan

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/0nT27GIBRraQ1fkvK2xy4Q

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-A

Session Chairs:

1. Guru Charan Kakaraparthi, Arlington, Texas, USA

2. Dr Vishal, Assistant Professor, Assistant Professor - Logistics Management at University of Petroleum and Energy Studies, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Dhavalkumar Thakar, Senior Systems and Software Engineer, Capgemini, USA**		
1	12:10-12:15 pm	1411	Multimodal Interaction for Human–Robot Collaboration in Assembly: An Intent-Aware Workstation Assistant	Kartik Singla
2	12:15-12:20 pm	1297	The Cost of Label Gating in Deep Reinforcement Learning-Based DDoS Mitigation for Software-Defined Networks	Sunil Dhawan
3	12:20-12:25 pm	1542	Generative Artificial Intelligence for Personalized Consumer Experiences: A Hybrid Deep Learning and Sentiment Analysis Framework for Predicting Brand Engagement	Shankar Subramanian
4	12:25-12:30 pm	926	Tracking Corporate Sustainability Commitments: A Temporal NLP Framework for Measuring Commitment-Performance Gaps in Indian BRSR Disclosures	Kishlay Roy
5	12:30- 12:35 pm	1460	AI Driven Demand Prediction for Smart Mobility Ecosystems Using Ensemble Learning	Dr Kavita
6	12:35- 12:40 pm	1313	MIDAS-XFusion: A Knowledge-Guided Multi-Domain Feature Fusion Network for Intelligent Android Malware Detection	shalli Rani
7	12:40- 12:45 pm	1223	LLM-Enabled Digital Twin Framework for Automated Human–Robot Collaborative Task Planning and Robot Programming	Dr Kavita
8	12:45- 12:50 pm	1258	Explainable Agentic Framework For Validating The Robustness Of Emissions Trading System (ETS)	Chinmayee Chatterjee
9	12:50- 12:55 pm	1259	An AI-Driven Model for Essential Medicine Stockout Prediction and Demand Forecasting in Public Healthcare Supply Chain	Abhishek CDAC
10	12:55- 01:00 pm	1260	IMMERSIVE DIGITAL TWIN PLATFORM FOR INTELLIGENT INFRASTRUCTURE VISUALIZATION, RETROFITTING, AND MONITORING	Charvi Bagga

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/POZQZlobQ1m6wxPMNZoQIQ

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-B

Session Chairs:

1. POLI REDDY BASANI, SAP America Inc., Dardenne Prairie, MO, USA

2. Vinesh Kumar, Assistant Professor, Department of Computer Science, Bharati College, University of Delhi, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Vinod Rufus MOTANI, AI/ML Engineer, Lurie Children's Hospital, Chicago, USA**		
1	12:10-12:15 pm	1220	A Comprehensive Review on Apple Leaf Disease Detection Using Deep Learning	Dr Kavita
2	12:15-12:20 pm	883	MEGHDOOT: An AI-Powered IoT-Based Smart Irrigation and Energy Optimization System with LoRa Communication and Rainwater Harvesting	Manidipa Roy
3	12:20-12:25 pm	886	Self-Supervised CoAtNet for Early Detection of Banana Fusarium Wilt (TR4) under Field Domain Shift	Dr Jagadeesh P
4	12:25-12:30 pm	836	Source-Aware Local RAG (SA-RAG): A Provenance-Driven Framework for Secure and Trustworthy Financial Document Intelligence	Manisha Mittal
5	12:30- 12:35 pm	847	Generative AI in Tourism: A Conceptual Framework for AI-Assisted Tourist Decision-Making	Ankit Maindola
6	12:35- 12:40 pm	850	Smart HVAC Systems for Industrial Indoor Air Quality Sensing, Monitoring and Ventilation Optimization	Manidipa Roy
7	12:40- 12:45 pm	828	Zero Trust Architecture for Enhancing Security in Distributed and Cloud Computing Environments	Anil tiwari
8	12:45- 12:50 pm	1219	An Explainable Lung-Aware Hybrid CNN–Transformer Framework with Cross-Attention Fusion for Pneumonia Detection from Chest X-Ray Images	Dr Kavita
9	12:50- 12:55 pm	829	AI Awareness and Enterprise-Technology Perceptions in Micro-Enterprises: Evidence from India and Myanmar	Pranav Desai
10	12:55- 01:00 pm	827	Impact Assessment of Microfinance Institutions on Sustainable Development Goals: A Multidimensional Analysis of Economic, Social, and Financial Outcomes	Kavya V

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/4Zx6Gb4TTQCholI2U7RelOA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-C

Session Chairs:

1. Gudimetla Ramakrishna Reddy, Staff engineer, Walmart, Bentonville, Arkansas, USA

2. Dr Sahil Gupta, Asistant Dean Research, Sparsh Global Business School, Gr. Noida, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Sanjay Kumar Kattela, AVP – Manager, Data Architecture & Analytics, Moody's Shared Services(Moody's corporation), USA**		
1	12:10-12:15 pm	902	EEG Motor Imagery Signal Classification for Brain Computer Interfaces: A Comparative Analysis of Machine Learning and Deep Learning Models	Aditya Arvind
2	12:15-12:20 pm	901	An Automated Student Retention Solution Using Fast Hybrid Deep Learning and Behavioral Analytics	Manisha Prasad
3	12:20-12:25 pm	812	Generative AI-Driven Automated Knowledge Graph Synthesis from Large-Scale Enterprise Data Lakes	Jagan Ankam
4	12:25-12:30 pm	813	AI-Driven Multi-Agent Framework for Failure Classification and Resource-Efficient API Test Orchestration in Cloud-Edge Systems	Mukund Chenna
5	12:30- 12:35 pm	814	AI-Enabled Space Debris Management: Technical Capability, International Liability, and Risk-Based Governance	Aakash Sajwan
6	12:35- 12:40 pm	821	Low-Cost Custom-Built NDVI Imaging and sensing System: A Low-Cost Approach to Precision Agriculture for Indian Farms	Utkarsh Jha
7	12:40- 12:45 pm	806	AI-Driven Deep Learning Consumer Behavioral Intelligence System for Predictive Marketing Optimization	Dr S N Arjun Kumar
8	12:45- 12:50 pm	807	AI-Driven Predictive Analytics for Doctor Prescribing Behavior Using Pharmaceutical Marketing Intelligence	Sarita Agrawal
9	12:50- 12:55 pm	792	The Impact of Digital Marketing on Consumer Behaviour: A CRM-Based Predictive Modeling Framework	Vidya Sunil Gurav
10	12:55- 01:00 pm	795	Aqua Sensing based Triggered Modular Electrocoagulation System for Low-Cost Effluent Treatment in Micro, Small and Medium Enterprises	Aradhya Maheshwari

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/tZ4Mkr7aShGr5YssDnrUig

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-D

Session Chairs:

1. Bhanu Sri Katta, Senior Sailpoint Engineer, Optiv Security, USA

2. Dr. Himanshu Sharma, Assistant Professor, Jagan Institute of Management Studies, Rohini, Delhi, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Mahesh Gaddam, Enterprise Architect, FedEx, USA**		
1	12:10-12:15 pm	752	Deep Learning-Based Consumer Behaviour Prediction for Intelligent Marketing Systems	Dr. Neha Garg
2	12:15-12:20 pm	753	Computer Vision-Driven Automated Dairy Cattle Behaviour Analysis for Precision Farming	Meenakshi S
3	12:20-12:25 pm	769	AI Readiness and Generative AI Adoption as Predictors of Employee Productivity: The Mediating Role of Digital Competence	Gourav Mittal
4	12:25-12:30 pm	778	A Federated Explainable Artificial Intelligence Framework for Privacy-Preserving Legal Decision Support and Judicial Analytics	C.FOWMINA
5	12:30- 12:35 pm	779	Competition Law in the Age of Digital Platforms: Addressing Market Dominance and Algorithmic Governance	Anurag Dash
6	12:35- 12:40 pm	780	Multimodal Cross-Attention Fusion with Causal Ensemble Optimization for Predictive Financial Intelligence Frameworks Strategic Management	Shweta Jain
7	12:40- 12:45 pm	781	Hybrid Dual-Stream Adaptive Gated Fusion Architecture for Fine-Grained Emotion Recognition in Contemporary Literary Corpora Sentiment Analysis	Sridevi T
8	12:45- 12:50 pm	783	Deep Learning-Driven Adaptive Machine Learning Framework for Intelligent Data Analytics	Aneesha K Jose
9	12:50- 12:55 pm	749	Intent-Based Network Automation Using Large Language Models	Rahul Tavva
10	12:55- 01:00 pm	746	Cross-Machine Domain Generalization Using Self-Supervised Time-Series Transformers for Predictive Maintenance	P. William

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/QFux3JOtQyCtstUh0T4qGA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-E

Session Chairs:

1. Kishore Kumar Chaganti, Principal Member of Technical Staff, Salesforce, USA

2. Dr Julee, Associate Professor, School of Management Studies, CGC University, Mohali, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: ASHISH ANAND, Director-Technology, MARRIOTT INTERNATIONAL, USA**		
1	12:10-12:15 pm	733	Intelligent Modelling for Silent Threat Detection using Visual Speech Recognition	Regulla Mallika Priya Harshini
2	12:15-12:20 pm	734	EEG Signal Classification for Language Processing Using NLP-Inspired Machine Learning	Vangala Sharon
3	12:20-12:25 pm	735	AI-Driven Microbial Activity Monitoring System Using Biosensors for Soil Health Evaluation	R Tushar
4	12:25-12:30 pm	736	Machine Learning Framework for Predicting Big Five Personality Traits Using Behavioural and Linguistic Features	Ranjana P. Dahake
5	12:30- 12:35 pm	737	Hybrid Deep Learning Framework for Multimodal Fake News Detection Using Multimedia Classifiers	Saily Suresh Patil
6	12:35- 12:40 pm	738	AI-Assisted Evaluation of Alternative Imaging Modalities for Early Melanoma Detection	Sonali Machindra Tapkir
7	12:40- 12:45 pm	739	Enhanced Feature Learning and Validation for Autoencoder–LSTM-Based Cyber Attack Detection in Vehicular Networks	Dhotre Yogesh Kadu
8	12:45- 12:50 pm	740	Adaptive Gradient Feature Extraction and Input Reconstruction for Robust Défense Against Adversarial Attacks	Rashmi Abhijeet Jadhav
9	12:50- 12:55 pm	741	Digital Literacy in Science Education: The Role of Artificial Intelligence in Shaping Modern Pedagogical Strategies	Omar J. Alkhatib
10	12:55- 01:00 pm	742	Design and Evaluation of AI-Based Financial Fraud Detection Models in Digital Commerce Transactions	Dr. Vijayababu Tekkem,

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/2wdY3sZKROGly-_AkfTtJg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-F

Session Chairs:

1. Dr Arti Gaur, Professor, Department of Business Administration, Chaudhary Devi Lal University, India

2. Dr. Kamna Chauhan, Assistant Professor, Jagannath International Management School, kalkaji (GGSIPU), New Delhi, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Ayush Singh, Civil Engineer, AECOM, Pittsburgh, USA**		
1	12:10-12:15 pm	724	Enhancing Power Grid Resilience Using Edge AI And Augmented Reality in Intelligent Monitoring Systems	Manoj Kumar Nigam
2	12:15-12:20 pm	725	NeuroQuant: A Hybrid Quantum-Classical Framework for Multi-Modal Real-Time Emotion Recognition	Barnabas Bag
3	12:20-12:25 pm	726	EfficientNet-Based Multimodal Framework for Gastric Ulcer Diagnosis with Clinical Fusion and Grad-CAM Interpretability	Veena K Viswam
4	12:25-12:30 pm	727	Digital Technology Integration Practices and Their Influence on Business Performance	Dr. Shaila K
5	12:30- 12:35 pm	728	Machine Learning-Based Behavioural Analytics for Productivity Prediction in Hybrid Work Models	Priyank Kumar Singh
6	12:35- 12:40 pm	150	Smart City Transition: Digital Infrastructure and Urban Sustainability Nexus	Chahat Sahani
7	12:40- 12:45 pm	155	Computational Framework for Analysing Leadership and Emotional Intelligence in Workplace Using Explainable AI	Abhishek Badholia
8	12:45- 12:50 pm	157	Enhancing Due Diligence with Machine Learning: Digital Era for Legal Compliances	Bhavana Sharma
9	12:50- 12:55 pm	161	AI-Augmented Leadership Framework for Predictive Data-Driven Strategic Management	Siraj Ahamad Shaik
10	12:55- 01:00 pm	174	A Four-Tier Distributed Context Reasoning Framework for Intelligent Sensor Fabrics	R.Bhargav Ram

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/RlqX8Hp8QFmuox-MJrDRAg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-G

Session Chairs:

1. Dr Kamini, Assistant Professor, School of Management Studies, CGC University, Mohali, India

2. Dr. Muskan Chawla, Assistant Professor, Chitkara University Institute of Engineering and Technology, Chitkara University, Punjab, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Asadullah Saif Mohammed, Technology Program and AI Transformation Leader, Consolidated Edison Company of New York, Inc., Houston, Texas, USA**		
1	12:10-12:15 pm	729	AI-Powered Legal Analytics for Intelligent Document Review and Case Research	Shailendra Singh Sainwal
2	12:15-12:20 pm	730	An Intelligent IoT-Enabled Traffic Phase Control System Using Machine Learning for Adaptive Signal Optimization	Nikam Rohit
3	12:20-12:25 pm	731	AI-Based Sentiment Analysis Framework for Tourist Reviews: A Case Study of Homestay Tourism in India	Sapna Rauthan
4	12:25-12:30 pm	732	Retrieval Derived Confidence Failures and Internal Signal Calibration in Scientific Verification	Aparna J
5	12:30- 12:35 pm	14	Deep Learning Techniques for Chronic Liver Disease Detection and Classification: A Systematic Review	Pankaj Kumar
6	12:35- 12:40 pm	15	Multi-Cloud Security: Challenges, Frameworks, and AI-Based Threat Detection	Shashwat Gupta
7	12:40- 12:45 pm	27	Comparsion of Deep Learning Pre-Trained Models for Brain Tumor Detection and Classification.	Monika Monika
8	12:45- 12:50 pm	32	IoT based Implementation of Energy Conservation Strategies and Enhancement of Energy Efficiency in Higher Education Institutions	Amit C Kamble
9	12:50- 12:55 pm	33	Machine Learning based Analysis of Bagging, Boosting, and Hybrid Regression Models for Humidity-Based Air Quality Estimation	Mahesh Korade
10	12:55- 01:00 pm	37	Intelligent Fake Profile Identification Using Supervised Learning and Behavioural Feature Analysis	Vaishali R. Khandave

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/KLpC5plaT_GfEyJk6OKoIA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-3 (12:00-01:00) IST (Nov 19, 2026), Room-H

Session Chairs:

1. Dr Divya Dang, Assistant Professor, DBS GLOBAL UNIVERSITY, India

2. Dr. Deeksha Nimeshwari, Assistant Professor, Jagannath International Management School, kalkaji (GGSIPU), New Delhi, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	12:00-12:10 pm	**Session Keynote Speaker: Alekhya Challa, SDE III, Expedia Group, Seattle, Washington, USA**		
1	12:10-12:15 pm	46	Integrating Multi-Spectral Remote Sensing Indices for Data-Driven Urban Sustainability Evaluation	Mahesh Korade
2	12:15-12:20 pm	51	AI Driven Framework for Multi-Dimensional Evaluation of Code Quality, Peer Review, and Developer Productivity	Archana Banait
3	12:20-12:25 pm	57	Implementation of an IoT-Enabled Voice-Interactive Smart Medicine Box for Automated Medication Management	Shraddha S. Sonawane
4	12:25-12:30 pm	62	Intelligent Power Demand Forecasting Using Deep Learning Architectures with Multi-Source Data Integration	Kirti S. Kulkarni
5	12:30- 12:35 pm	63	An IoT-Driven Manual Phase Switching Framework with Real-Time Monitoring via Web Application Interface	Aniket Abhang
6	12:35- 12:40 pm	67	IoT-Enabled Intelligent Carbon Footprint Monitoring and AI-Based Emission Control System for Smart Transportation	Shital. R. Bedse
7	12:40- 12:45 pm	91	Federated Intrusion Detection using Hybrid Firefly Optimization and Deep Neural Networks	Dev Gahlot
8	12:45- 12:50 pm	92	Adaptive Multimodal Brain Tumor Detection Using Weighted Pixel-Level MRI–CT Fusion with Attention-Enhanced Lightweight CNN	Saravanan thangavel
9	12:50- 12:55 pm	100	An Automata-Driven Cognitive Explainable Machine Learning Framework for Adaptive Decision Intelligence in Dynamic Environments	Mritunjay Ranjan
10	12:55- 01:00 pm	107	Artificial Intelligence Integration Models for Buy Now Pay Later Credit Risk Assessment	Vinoth S

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/0nT27GIBRraQ1fkvK2xy4Q

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-A

Session Chairs:

1. Dr. Sarvesh Tanwar, Professor, AIIT, Amity University, Noida, India

2. Dr. Bhupinder Pal Singh Chahal, Professor, Yorkville University, BC, Canada

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker: Mohammad Shafat Ahsan, Data Center AI Project Manager, Amazon Web Services, Herndon, VA, USA**		
1	01:10-01:15 pm	1217	A Review of Artificial Intelligence and Machine Learning for Prediction Systems with Experimental Validation on Diabetes Dataset	Dr Kavita
2	01:15-01:20 pm	1203	From NISQ to Fault Tolerance: Advances in Quantum Computing Hardware, Algorithms, and Applications	Bhavy Kumar
3	01:20-01:25 pm	1103	AI-Based Technology Startups: Determinants of Commercial Viability	Wrushali Kubde
4	01:25-01:30 pm	1095	Integrating Design Thinking into Product Management for Developing Innovative Digital Products	Vedant Patil
5	01:30- 01:35 pm	175	A Tiered Multi-Agent Fusion Architecture for Collective Machine Perception in Autonomous Infrastructure Monitoring	Shaik Wafiya
6	01:35- 01:40 pm	176	An AI-Native Sensor Cooperation Framework for Resilient Smart Cities	Rohini Mahajan
7	01:40- 01:45 pm	1214	An IoT-Enabled Machine Learning for Intelligent Crop Recommendation and Irrigation Management	Dr Kavita
8	01:45- 01:50 pm	180	Trust-Aware Sensor Consensus for Mission-Critical Applications	Shanky Goyal
9	01:50- 01:55 pm	181	Goal-Oriented Autonomous Agents for Dynamic Infrastructure Management	Sugandhi Malhotra
10	01:55- 02:00 pm	1543	Immersive Virtual Environments and Consumer Decision-Making: A Technology Acceptance Model and Structural Equation Modelling Approach to Brand Experience Optimization	Chethan Kanakuppe Siddegowda

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/POZQZlobQ1m6wxPMNZoQlQ

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-B

Session Chairs:

1. Dr. Vikrant Vikram Singh, Associate Professor, Symbiosis Centre for Management Studies, NOIDA, India

2. Dr. Abhinav Kataria, Assistant Professor, Christ Deemed to be University, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker: Narayana Rajasekhar Vemburaj, Site Reliability Engineer, Equifax,Inc, Georgia, USA**		
1	01:10-01:15 pm	976	Personalized Federated Training for Just-In-Time Defect Prediction: An Empirical Comparison on Six Open-Source Repositories	Ankita Bansal
2	01:15-01:20 pm	89	A Change-Point-Based Software Reliability Growth Model Considering Fault Removal Efficiency and Learning Effects	Umashankar Samal
3	01:20-01:25 pm	183	Embedded Cognitive Coordination for Intelligent Infrastructure	Ashwani K Sharma
4	01:25-01:30 pm	186	Hierarchical Intelligent Mobility Orchestration for Adaptive Cloud-Edge-IoT Continuums	Arti Badhoutiya
5	01:30- 01:35 pm	189	Elastic Intelligence Sharing for Adaptive Edge Network Collaboration	Jitendra Gudainiyan
6	01:35- 01:40 pm	1081	PREDICTING INDIA'S COMPARATIVE ADVANTAGE IN TEXTILE EXPORTS USING MACHINE LEARNING: A DATA-DRIVEN TRADE COMPETITIVENESS FRAMEWORK	Durgesh Batra
7	01:40- 01:45 pm	1082	Digital Payment Security Maturity Among Small Merchants: An Empirical Study	Aditya Gupta
8	01:45- 01:50 pm	1083	Mediating Role of Creativity Between Employee Engagement with AI and Job Performance Among Online Educators	Rohit Singh Tomar
9	01:50- 01:55 pm	994	PCOS-XFusionNet: An Explainable Hybrid CNN–BiLSTM–BiGRU Framework for Automated PCOS Diagnosis	Vishakha Bathwar
10	01:55- 02:00 pm	1020	Federated Learning for Drug Discovery Using Public & Synthetic Data: BioSnapseNet – A Deep Graph Intelligence System for Drug-Protien Affinity Forecasting	Amisha Gupta

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/4Zx6Gb4TTQCholI2U7RelOA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-C

Session Chairs:

1. Dr. Nidhi S. Natrajan, Associate Professor Deputy Director & Area Chair (Business Analytics), SCMS, Symbiosis International University, Noida, India

2. Prof. Manish Kumar Srivastava, Professor, CHRIST (Deemed to be University), Bengaluru, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker: Sravan Kumar Nendrambaka, Sutherland Digital Services Inc., Miami, USA**		
1	01:10-01:15 pm	118	AI Driven Evaluation of Financial Efficiency and Governance Mechanisms in Urban Storm Water Infrastructure	Gopalakrishnan Chinnasamy
2	01:15-01:20 pm	121	Systematic Review of Various Autism Detection Techniques Based on Images and Videos	Sheetal
3	01:20-01:25 pm	123	MacroSense-AI: A Regime-Aware Macro-Driven Artificial Intelligence System for Gold Price Prediction, Risk Management, and Policy Intelligence	Merlin G
4	01:25-01:30 pm	132	Parameter-Efficient UI Code Generation Using QLoRA on an Extended WebSight Dataset	Antu Chowdhury
5	01:30- 01:35 pm	135	Blockchain in Healthcare: A Systematic Analysis of Frameworks, Consensus Mechanisms and Self-Sovereign Identity for Patient-Centric Care	Naveen Kumar
6	01:35- 01:40 pm	193	Dynamic Resource Arbitration and Decision Intelligence for Adaptive Autonomous Computing Environments	Saloni Bansal
7	01:40- 01:45 pm	195	Adaptive Collaborative Edge Intelligence Framework for Resilient Service Continuity in Dynamic Edge Networks	Anjani Kumar Rai
8	01:45- 01:50 pm	198	Autonomous Wellness Intelligence for Smart Healthcare Systems	Adhishkumar.T
9	01:50- 01:55 pm	202	Analysis of Unified Multi-Bank Smart Card Access Systems for Secure Financial Transactions	Suyog Dilip Late
10	01:55- 02:00 pm	206	Explainable AI-Driven Predictive Notification for Energy and Power Systems	Gaurav R. Kadam

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/tZ4Mkr7aShGr5YssDnrUig

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-D

Session Chairs:

1. Dr. Aakash, Assistant Professor, Department of Operational Research, Ramanujan College, University of Delhi, India

2. Dr. Upasana Gupta, Associate Professor, Christ University, Ghaziabad, UP, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker: Chandra Sekhar Nimmakayala, Moneygram International Inc., Dallas, TX, USA**		
1	01:10-01:15 pm	207	Explainable AI-Based Adaptive Autonomous Driving Systems for Enhanced Stability under Variable Terrain Conditions	Kulkarni Om Rajendra
2	01:15-01:20 pm	208	Hybrid Solar–Wind Energy Systems for Sustainable Power Generation in Urban Buildings	Saurabh Santosh Deshmukh
3	01:20-01:25 pm	228	Secure Digital Asset Management Framework based on Hyperledger Fabric and IPFS	Neha Sharma
4	01:25-01:30 pm	230	Exploring Compatibility of Datasets for Software Vulnerability Detection Using Machine Learning	Bareen Peerzada
5	01:30- 01:35 pm	240	Agentic AI for Autonomous Decision Support Systems in Finance: A Governance- Weighted PRAR Framework for Accountable Decision Autonomy	Anju Rohilla
6	01:35- 01:40 pm	254	Quantum-Inspired Machine Learning Framework for Adaptive Cyber-Physical Network Optimization Systems	T Saravanan
7	01:40- 01:45 pm	255	Multimodal Data and Methodologies in Student Stress Detection: A Review of Approaches, Datasets, and Benchmarking in Higher Education	Manjit Kaur
8	01:45- 01:50 pm	256	Perception Swarms for Adaptive Environmental Monitoring: The APIS Framework	Vikalp Sharma
9	01:50- 01:55 pm	266	Agentic Coordination Mechanisms for AI-Native Operations	K. Anusha
10	01:55- 02:00 pm	263	Persistent Machine Cognition for AI-Centric Environments	Aman Singh

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/QFux3JOtQyCtstUh0T4qGA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-E

Session Chairs:

1. Dr Naveen Virmani, Professor, IMS Ghaziabad, India

2. Pankaj Dhaundiyal, Associate Professor, Christ University, Ghaziabad, UP, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker: Ajeet Deo Pandey, Senior Project Manager, Synechron, India**		
1	01:10-01:15 pm	260	Collaborative Context Fusion for Hyperlocal Intelligence: A Trust-Weighted Federated Edge–Cloud Framework	AKSHAYA.C
2	01:15-01:20 pm	654	Machine Learning-Assisted Analysis of Network Stability in Dynamic Vehicular Communication Networks: A Negative-Result Case Study	Neha Saifee
3	01:20-01:25 pm	656	Encryption-Aware Federated Learning for Secure Distributed Machine Learning: A Structural Analysis of Encrypted Client Parameters	Gourav Sharma
4	01:25-01:30 pm	657	AI-Driven Network Slicing and Dynamic Resource Allocation for Vehicular Communication Networks: A Multi-Objective Comparative Study	Abhay Gangawr
5	01:30- 01:35 pm	658	Compatibility-Guided Integration of Diffusion Acceleration Methods for Additional Speedups	Garima Aggarwal
6	01:35- 01:40 pm	659	Machine Learning-Based Optimal Route Selection for Reliable Vehicular Ad Hoc Networks	Gourav Kumar Sharma
7	01:40- 01:45 pm	674	Ensemble Learning for Multi-Class Fault Detection in Optical Networks: A Validation-First Case Study	Ashok Kumar
8	01:45- 01:50 pm	676	A Feature-Target Dependency Audit for Net Bit-Rate Estimation in Hybrid Optical Networks: A Cautionary Regression Benchmarking Study	Ashok Kumar
9	01:50- 01:55 pm	686	Implementation of an IoT-Enabled AI-Based Autonomous Smart Shopping Trolley System for Retail Automation	Sampada K. Mapari
10	01:55- 02:00 pm	687	Blockchain-Integrated Image Processing System for Automated Invoice Authentication and Fraud Mitigation	Madhuri V. Shinde

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/2wdY3sZKROGly-_AkfTtJg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-F

Session Chairs:
1. Dr. Hariom Gujar, Central University of Rajasthan, India
2. Dr. Ajitabh Ambatha, Professor, CHRIST (Deemed to be University), Bengaluru, India
3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker:**		
1	01:10-01:15 pm	549	Multimodal Generative AI Pipeline for Integrated Text and Image Generation	Janani B
2	01:15-01:20 pm	511	Artificial Intelligence for Adaptive SDLC Selection and Intelligent Software Project Management: A Review of Recent Advances	Bijal Parmar
3	01:20-01:25 pm	512	Savannah Bengal Tiger Optimization Algorithm for Training Multi-Layer Perceptron Neural Networks	Krishnapada Mondal
4	01:25-01:30 pm	555	Machine Learning-Based Predictive Intelligence for Financial Management Analytics	Shweta Jain
5	01:30- 01:35 pm	556	Elastic Cloud Computing Architecture for Scalable Big Data Processing	P.KARTHIK
6	01:35- 01:40 pm	557	Hybrid PLS-SEM ANN Predictive Modeling of AIGC-Driven Consumer Purchase Decision Processes in Digital Marketing Ecosystems Buying Behaviour	Ms. Gayathri Sankaran
7	01:40- 01:45 pm	558	Demand Forecasting Model for Efficient E-Commerce Inventory Planning	Prof. Meghashilpa R
8	01:45- 01:50 pm	620	Enhanced k-NN Initialized Denoising Autoencoder (EKDAE) algorithm for classifying incomplete data	Sonia Goel
9	01:50- 01:55 pm	623	An AI-Driven Cyber Threat Intelligence Framework for Context-Aware Intrusion Detection: Architecture, Methodology, and Evaluation Design	Sonali Chopra
10	01:55- 02:00 pm	637	AI-Driven Secure Communication Frameworks for Mobile and Embedded Systems	Srikanth Puram

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/RlqX8Hp8QFmuox-MJrDRAg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:00) IST (Nov 19, 2026), Room-G

Session Chairs:

1. Dr Abhinav P. Tripathi, Associate Professor, Christ University, Bangalore, NCR Campus, India

2.

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker:**		
1	01:10-01:15 pm	555	Machine Learning-Based Predictive Intelligence for Financial Management Analytics	Shweta Jain
2	01:15-01:20 pm	556	Elastic Cloud Computing Architecture for Scalable Big Data Processing	P. Karthik
3	01:20-01:25 pm	557	Hybrid PLS-SEM ANN Predictive Modeling of AIGC-Driven Consumer Purchase Decision Processes in Digital Marketing Ecosystems Buying Behaviour	Gayathri Sankaran
4	01:25-01:30 pm	558	Demand Forecasting Model for Efficient E-Commerce Inventory Planning	Meghashilpa R
5	01:30- 01:35 pm	688	SmartFunnel: A Predictive Modeling Framework for Intelligent Lead Management in Digital Marketing Systems	Kanchan Pekhale
6	01:35- 01:40 pm	689	Enhancing Cybersecurity through Explainable Artificial Intelligence for Threat Detection	Manjusha Gaikwad
7	01:40- 01:45 pm	690	Implementation of an AI-Driven Advanced Conversational Chatbot with Adaptive Natural Language Understanding	Namrata D. Ghuse
8	01:45- 01:50 pm	691	MediNexus: Personalized Healthcare Recommendation Framework Integrating AYUSH Principles with Data-Driven Optimization	Vijay More
9	01:50- 01:55 pm	692	AI-Driven Predictive Assessment Framework for Smart Urban Grievance Management Systems	Nisha Patil
10	01:55- 02:00 pm	693	MediChat: An AI-Powered Healthcare Chatbot for Symptom Assessment and Hospital Recommendation	Neelima S. Ambekar

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/KLpC5plaT_GfEyJk6OKolA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-4 (01:00-02:05) IST (Nov 19, 2026), Room-H

Session Chairs:

1. Dr. Amit Kumar Arora, Associate Professor, School of Business and Management, CHRIST University, India

2.

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	01:00-01:10 pm	**Session Keynote Speaker:**		
1	01:10-01:15 pm	694	Intelligent Power Demand Prediction Using Advanced Machine Learning and Deep Learning Techniques	Yogesh R. Patni
2	01:15-01:20 pm	695	Voice Enabled Restoration of Historic Documents using Deep Learning Approach	P.M. Yawalkar
3	01:20-01:25 pm	696	Scalable Web Platform for Real-Time Deepfake Detection in User-Uploaded Multimedia Content	Vaishali R. Khandave
4	01:25-01:30 pm	697	An Efficient CNN-Driven Framework for Automated Garbage Segmentation and Classification in Urban Waste Systems	Jenefa Archpaul
5	01:30- 01:35 pm	699	Self-Supervised Time-Series Transformers for Cross-Machine Predictive Maintenance	Jenefa Archpaul
6	01:35- 01:40 pm	700	TrustGuard-Bank: Graph-Temporal Transformer for Secure Banking Anomaly Detection	Jenefa Archpaul
7	01:40- 01:45 pm	720	AI-Driven Analysis of Social Media Influence on Teenagers' Shopping Preferences: A Study with Special Reference to Chennai City	Aishwarya K B
8	01:45- 01:50 pm	722	Hybrid CNN-Swin Transformer and U-Net Networks for Robust Breast Cancer Nuclei Segmentation in Histopathological Images	Manju Nageshwari Neelapu
9	01:50- 01:55 pm	447	Intelligent Energy Management System with Deep Reinforcement Learning for Optimized Demand Response in Smart Cities	K. Kumararaja
10	01:55- 02:00 pm	454	AI-Based Demand Response Optimization for Smart Energy Systems	Valluri Ravi Kumar
11	02:00-02:05 pm	715	Machine Learning-Based Early Detection of Critical Defects in Medical Software	Manoj Kumar Shukla

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/0nT27GlBRraQ1fkvK2xy4Q

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-A

Session Chairs:

1. Dr. Arun Agarwal, Assistant Professor, Department of Computer Science, Ramanujan College, University of Delhi, India

2.

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	448	A Digital Twin Framework Integrated with SCADA Systems for Real-Time Smart Grid Monitoring and Operational Management	A. Buckshumiyan
2	03:15-03:20 pm	449	A Predictive Analytics Framework for Sustainable and Resilient Power Networks	Kusuma Sundara Kumar
3	03:20-03:25 pm	450	An Edge-Enabled Intelligent Distributed Energy Resource Management Framework for Smart Grids	Shaik Bazani
4	03:25-03:30 pm	451	Adaptive EV Charging Management for Transportation Electrification	Suresh Jajula
5	03:30- 03:35 pm	452	An Intelligent Adaptive Power Converter Control Framework for Grid-Integrated Renewable Energy Systems	Psv Padma Latha
6	03:35- 03:40 pm	269	Trust-Centric Multi-Agent Collaboration Framework for Safety-Critical Systems	Ch.Sankar Rao
7	03:40- 03:45 pm	273	Adaptive Intelligence Distribution Framework for Latency-Critical Applications	M.Srinivas
8	03:45- 03:50 pm	276	Self-Regulating Computational Ecosystem for Adaptive Edge Intelligence	R Shirisha
9	03:50- 03:55 pm	279	Explainable Cooperative Intelligence Routing for AI-Native Infrastructure Networks	Prashant Chourasiya
10	03:55- 04:00 pm	280	Hierarchical Context–Aware Intelligence Migration for Adaptive Autonomous Cloud-Edge-IoT Operations	Mahavir Kashyap
11	04:00- 04:05 pm	1096	Rethinking Graduate Employability in India Through an Industry-Integrated Apprenticeship Framework for Technology-Driven Careers	Guntaas Singh Gill
12	04:05- 04:10 pm	1345	GreenVerify-X: Multimodal AI for ESG Verfication	Wrushali Rajesh Kubde

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/POZQZlobQ1m6wxPMNZoQlQ

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-B

Session Chairs:

1. Dr. Subodh Kumar, Assistant Professor, Department of Computer Science, Ramanujan College, University of Delhi, India

2.

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	284	Self-Adaptive Explainable Distributed Intelligence Harmonization Framework for Autonomous Edge Systems	Vijay Dhote
2	03:15-03:20 pm	286	Adaptive Autonomous Resource Cooperation for Intelligent Cloud–Edge Continuum Computing	Nishesh Nigam
3	03:20-03:25 pm	288	Autonomous Environmental Monitoring through Sensor Collaboration	Aswathi.T
4	03:25-03:30 pm	291	Collaborative Intelligent Biosensing Framework for Personalized Healthcare Using Multi-Agent Artificial Intelligence	Avanthika.R
5	03:30- 03:35 pm	293	Self-Aware Green Infrastructure for Sustainable Industrial Ecosystems	Avinash.V
6	03:35- 03:40 pm	295	Strategic Adoption Blueprint for Intelligent Medical Imaging Services in Modern Healthcare Organizations	Anil Sharma
7	03:40- 03:45 pm	296	Strategic Resource Governance Framework for Sustainable 6G Infrastructure and Digital Economy Development	Rahul Yogi
8	03:45- 03:50 pm	316	Adaptive Governable Intelligence Ecosystem for Trustworthy Safety-Critical Decision Systems	Honey Gaur
9	03:50- 03:55 pm	317	A Multi-Layer Cognitive Public Infrastructure Framework for Human-Centric Urban Systems	Swati Agrawal
10	03:55- 04:00 pm	318	Distributed Urban Awareness for Dynamic City Operations	Akshit Lamba
11	04:00- 04:05 pm	445	Collaborative Robotics Frameworks for Industrial Environments: A Comprehensive Review and Future Perspectives	S.Sivagami
12	04:05- 04:10 pm	446	Comparative Analysis of Machine Learning Models for Day-Ahead Renewable Energy Forecasting: A Case Study with XGBoost	R.Ahila

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/4Zx6Gb4TTQCholI2U7RelOA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-C

Session Chairs:

1. Dr. Anshu Vashisht, Associate Professor, Lovely Professional University, India

2.

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	297	Human-Centric Experience Orchestration Model for Personalized 6G Service Ecosystems	Yogendra Kumar Thakur
2	03:15-03:20 pm	298	Trusted Mobility Coordination Framework for Safer Transportation Ecosystems and Road Risk Reduction	Vikalp Sharma
3	03:20-03:25 pm	299	Seamless Autonomous Journey Experience Model for Human-Centered Future Mobility Ecosystems	Letchagan. A
4	03:25-03:30 pm	300	Adaptive Infrastructure Service Fabric for Dynamic Urban Resource Orchestration in Hyperconnected Smart Environments	Loshinekarthika.G
5	03:30- 03:35 pm	301	Dynamic Service Treaty Framework for Priority Negotiation in Large-Scale IoT Ecosystems	Madhankumar.S
6	03:35- 03:40 pm	307	Transparent Machine Deliberation for High-Stakes Decisions	Jainish Roy
7	03:40- 03:45 pm	308	Adaptive Explainable Trust Calibration Framework for Intelligent Machine Collaboration	Madhu Sahu
8	03:45- 03:50 pm	309	Explainable Accountable Intelligence Framework for Adaptive Public Infrastructure Systems	Eswara Veera Raghava Rao
9	03:50- 03:55 pm	310	Traceable Reasoning Architecture for Intelligent and Responsible AI Operations	Ashutosh Pandey
10	03:55- 04:00 pm	311	Explainable Autonomous Coordination Intelligence for Adaptive Agentic Ecosystems	Tekram Nishad
11	04:00- 04:05 pm	441	Swarm Edge Intelligence: A Decentralized Decision-Making Framework for Autonomous Multi-Robot Systems	Ashok Kumar Bandla
12	04:05- 04:10 pm	442	Adaptive Control Architecture for Autonomous Robotic Platforms Using Nested Learning and Bi-Level Optimization with Real-Time Dataset Generation	Kanaka Lakshmi Krosuru

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/tZ4Mkr7aShGr5YssDnrUiq

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-D

Session Chairs:

1. Dr. Sonali Chopra, Research Scientist at DMS, IIT Delhi & Guest Assistant Professor at Delhi Skill and Entrepreneurship University, India

2.

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	302	Computational Ecology Model for Sustainable Intelligence Consumption in Distributed Edge Environments	Mageshwaran.A
2	03:15-03:20 pm	303	Digital Forensics and Failure Investigation Framework for Trustworthy Next-Generation Semiconductor Systems	Y Aruna Suhasini Devi
3	03:20-03:25 pm	304	Cognitive Governance Framework for Autonomous Decision Hierarchies in Intelligent Edge Ecosystems	M.Vijaya Shanthi
4	03:25-03:30 pm	305	Semantic Situation Intelligence for Hyperconnected Environments	Shinki Katyayani Pandey
5	03:30- 03:35 pm	306	Intent-Aware Sensor Collaboration Framework for Intelligent Public Safety Networks	Anushree Shrivastava
6	03:35- 03:40 pm	312	Transparent Trust Intelligence Framework for Explainable and Adaptive Multi-Agent Collaboration	Dinesh Kumar Sahu
7	03:40- 03:45 pm	313	Verifiable Decision Chains for Autonomous Intelligence	Srishti Singh Chauhan
8	03:45- 03:50 pm	315	Decision Transparency Architectures for AI-Native Systems	Anamika Pandey
9	03:50- 03:55 pm	319	Explainable Urban Decision Ecosystems for Adaptive Governance	Ruchi Chandrakar
10	03:55- 04:00 pm	320	Context-Aware Cooperative Machine Intelligence for Sustainable Climate-Resilient Urban Systems	Deepak Tiwari
11	04:00- 04:05 pm	443	Distributed Robotic Intelligence for Smart Manufacturing Using Edge-Based Small Language Models and Cloud Large Language Models	Srikanth Jujjuvarapu
12	04:05- 04:10 pm	444	Reliability-Aware Autonomous Robotic Systems for Smart Infrastructure Maintenance Using Edge AI and Digital Twin Technology	R. Balamurugan

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/QFux3JOtQyCtstUh0T4qGA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-E

Session Chairs:

1. Dr. Anurag Kumar, Assistant Professor, IILM University, Gurgaon

2. Ms. Sanju Rawal, Assistant Professor, Jagannath International Management School, kalkaji (GGSIPU), New Delhi, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	321	Embedded Biomedical Cognition for Continuous Healthcare Services	Abhijeeta Nandha
2	03:15-03:20 pm	322	A Resource-Conscious Industrial Cognition for Sustainable Smart Manufacturing Using Explainable Multi-Agent Intelligence	Priya Paul
3	03:20-03:25 pm	323	Explainable Distributed Ecological Intelligence Framework for Sustainable Environmental Management	Parvindar Kaur Chhabda
4	03:25-03:30 pm	327	Real-Time Text-to-Image Synthesis for Emergency Response Communication Systems	B.Satyanarayana
5	03:30- 03:35 pm	328	Cross-Layer Hardware Security Architecture for Protecting Confidentiality and Authenticity in Large-Scale IoT Sensor Networks	A.Prakash
6	03:35- 03:40 pm	332	Real-Time Marketing Content Generation with AI-Driven Consumer Analytics	S.Alagumuthu krishnan
7	03:40- 03:45 pm	333	Implementing Generative AI for Real-Time Data Augmentation in Medical Imaging	N.Srivani
8	03:45- 03:50 pm	334	Interactive AI Storytelling Engines: A Real-Time Gaming Implementation	Thota Pratyusha
9	03:50- 03:55 pm	339	Real-Time Quantum Optimization for Dynamic Traffic Flow Management	Pavan Kumar Panakanti
10	03:55- 04:00 pm	340	A Quantum-Based Scheduler for Real-Time Cloud Resource Allocation	Sunitha Devi B
11	04:00- 04:05 pm	437	Computer Vision Systems for Autonomous Industrial Inspection	M. Sireesha
12	04:05- 04:10 pm	438	Multi-Robot Coordination Frameworks for Smart Manufacturing	Suraya Mubeen

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/2wdY3sZKROGly-_AkfTtJg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-F

Session Chairs:

1. Dr. Jasmine Kaur, Assistant Professor, Christ (Deemed to be University) Delhi NCR, India

2. Dr. Amit R Thakkar, Professor & Head, Department of Computer Science & Engineering, CHARUSAT University, Changa, Gujarat, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	341	Real-Time Portfolio Rebalancing Using Hybrid Quantum-Classical Algorithms	Katakam Srinivasa Rao
2	03:15-03:20 pm	342	Quantum-Enhanced Machine Learning for Real-Time Fraud Detection	Ravi Mogili
3	03:20-03:25 pm	343	Quantum Cryptography in Real-Time Secure Messaging Systems	Krishna Reddy
4	03:25-03:30 pm	335	Live Script Adaptation for Broadcast Media Using Large Language Models	Sanuvala Ganga
5	03:30- 03:35 pm	336	Real-Time Threat Simulation in Cybersecurity Training with Generative AI	Jaishri Pandhari Wankhede
6	03:35- 03:40 pm	329	Real-Time Multilingual Customer Support Using Generative Language Models	Kumbala Pradeep Reddy
7	03:40- 03:45 pm	330	Generative AI in Real-Time Personalized Education: A Deployment Case Study	Vinit Kumar Gunjan
8	03:45- 03:50 pm	331	Live Music Generation Using Generative Transformers in Performance Settings	M.Srirama Lakshmi Reddy
9	03:50- 03:55 pm	324	Autonomous Transportation Cognition for Intelligent Connected Mobility	Arvind Kumar Saxena
10	03:55- 04:00 pm	325	Intelligent Digital Societies for Adaptive Future Infrastructure Evolution	Lalit Sachdeva
11	04:00- 04:05 pm	439	Multimodal Transformer-Based Human-Robot Interaction Framework for Industry 5.0 Smart Manufacturing: Integrating Vision-Language-Action Models with Safety-Aware Control	M Suma
12	04:05- 04:10 pm	440	Vision-Guided Robotic Systems for Industrial Applications	Y Lavanya

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/RlqX8Hp8QFmuox-MJrDRAg

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-G

Session Chairs:

1. Dr. Vivek Aggarwal, Professor, School of Business, Galgotias University, India

2. Dr. Akanksha, Assistant Professor, Krishna Institute of Engineering and Technology (KIET), Ghaziabad, Delhi-NCR, Uttar Pradesh, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	344	Dynamic Logistics Routing with Real-Time Quantum Annealing Models	Shilpa Sargari
2	03:15-03:20 pm	345	Real-Time Signal Deconvolution Using Quantum Fourier Transform in Imaging	Mohmad Ahmed Ali
3	03:20-03:25 pm	350	Predicting Ecotourist Behavioural Intentions Through AI-Driven Technology Exposure: A Theory of Planned Behaviour Approach for Intelligent Sustainable Tourism Systems	Ankit Maindola
4	03:25-03:30 pm	409	Machine Learning Techniques for Sustainable Infrastructure Management	Ganta Chamundeswari
5	03:30- 03:35 pm	410	Generate Monitoring Frameworks for Industrial Internet of Things	Prasad Babu Bairysetti
6	03:35- 03:40 pm	411	Community-Centered Continuous Care Ecosystem for Home-Based Biomedical Monitoring and Longitudinal Patient Support	Begum Shameena
7	03:40- 03:45 pm	419	Clinical Information Quality Framework for Reliable Physiological Signal Utilization in Smart Healthcare Environments	T.Saravanan
8	03:45- 03:50 pm	420	Preventive Health Risk Stratification Framework for Early Intervention and Population Health Management	S.Senthil kumar
9	03:50- 03:55 pm	429	Adaptive Low-Power Embedded Intelligence Framework for Energy-Efficient Real-Time IoT Applications	Gandham V Vinod
10	03:55- 04:00 pm	430	Design-for-Test Architectures for Reliable Semiconductor Systems	Prasanth Kumar Jujjarapu
11	04:00- 04:05 pm	435	Real-Time Transient Fault Mitigation in Critical Semiconductor Systems Using Error Correction Codes	Arfa Mahvish
12	04:05- 04:10 pm	436	Adaptive Hardware Accelerators with Intelligent Dynamic Workload Shifting for Reliable and Energy-Efficient Autonomous Embedded Systems	Adepu Kiran Kumar

ONLINE SESSION: HYBRID MODE

Zoom link: https://amity-edu.zoom.us/meeting/register/KLpC5plaT_GfEyJk6OKoIA

Venue: Western Sydney University, Hawkesbury Campus, 50 Bourke Street, Richmond, NSW 2753, Australia
IEEE AUSTRALIA (SYDNEY)

Slot-5 (03:00-04:10) IST (Nov 19, 2026), Room-H

Session Chairs:

1. Ruturaj Baber, Associate Professor, School of Business and Management (MBA), Christ University, India

2. Dr Ishu Sharma, Associate Professor, CGC University, India

3.

S. NO.	Time	Paper ID	Paper Title	Paper Presenter
	03:00-03:10 pm	**Session Keynote Speaker:**		
1	03:10-03:15 pm	423	Evidence-Based Clinical Decision Governance Framework for Transparent and Accountable Healthcare Support Systems	R. Venkata subramanian,
2	03:15-03:20 pm	427	Explainable AI-Assisted Spectrum Allocation and Interference Mitigation for Future 6G Wireless Networks	S.Subburam
3	03:20-03:25 pm	433	An Adaptive Reconfigurable Computing Architecture for Energy-Efficient Real-Time Artificial Intelligence Applications	Subrahmanyeswara Rao Seetamraju Venkata Bala
4	03:25-03:30 pm	434	Advanced Packaging Technologies for Heterogeneous Integration: Flexible Bridge Architectures for Next-Generation Systems	D Maneiah
5	03:30- 03:35 pm	428	Chiplet-Based Architectures for High-Performance Embedded Computing	P.B.Edwin Prabhakar
6	03:35- 03:40 pm	346	Quantum-Assisted Scheduling in Real-Time Manufacturing Systems	Arangi Sahithi
7	03:40- 03:45 pm	347	Deploying Quantum Algorithms for Real-Time Protein Folding Simulations	Tejaswi Akula
8	03:45- 03:50 pm	348	Real-Time Energy Grid Optimization with Quantum-Inspired Algorithms	M.Jaganmohan Reddy
9	03:50- 03:55 pm	412	Accessible Communication Ecosystems through Intelligent Speech Interaction for Inclusive Healthcare and Rehabilitation Support	M L S N S Lakshmi
10	03:55- 04:00 pm	416	A Hierarchical Multimodal Framework with Clinical Modality Transformer for Heterogeneous Patient Data Integration	Sarada Busi
11	04:00- 04:05 pm	431	Heterogeneous Integration Architectures for Next-Generation Semiconductors	Srilatha Gundapaneni
12	04:05- 04:10 pm	432	Hardware Security Frameworks for Trust-Aware System-on-Chip Architectures: From Roots of Trust to Zero-Trust Heterogeneous Integration	Jagan Mohan Rao Saride