



2026 TEMSCON-ASPAC: 2026 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC)

S1 (*Autonomous & Intelligent Systems*)

Session time	Friday, 02:00 pm until 05:00 pm
Location	MC501 (oral in-person)
Talk time	15 minutes
Chaired by	Amit Singh (Pandit Deendayal Energy University, India) Damodharan Palaniappan (Marwadi University, India)

02:00 pm: *Deepfake Detection on Nepali Speech Audios Using Deep Learning Approach*

Injal Ghimire (Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal); Arun K. Timalisina (Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal)

02:15 pm: *Political Inclination Detection in Nepali-Language Social Media Posts Using LLMs*

Kisan Bhandari (Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal, Nepal); Arun K. Timalisina (Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal)

02:30 pm: *Bias Detection and Mitigation in Pre-Trained Language Models for Arabic*

Nourah Mohammed Aldosari (prince Sattam Bin Abdulaziz University, Saudi Arabia); Padmaja Savaram (Prince Sattam bin Abdulaziz University, Saudi Arabia); Shahad Ali Alzakhami (Prince Sattam Bin Abdulaziz University, Saudi Arabia); Nourh Hassan (Prince Sattam Bin Abdulaziz University, Saudi Arabia)

02:45 pm: *MyanNet: A Lightweight Convolutional Neural Network with Depthwise Separable Convolutions for Burmese Handwritten Digit Recognition*

Ah Maung Oo (Marwadi University, India); Tarannum Bloch (Marwadi University, India)

03:00 pm: *Wildlife Detection and Classification Using Drone Imagery*

Jainam Shah (Pandit Deendayal Energy University, India); Pradip Kumar Barik (Pandit Deendayal Energy University, India)

03:15 pm: *Objects and Road-Signs Detection for Autonomous Vehicles Under Extreme Weather Condition*

Sahil Acharya (Pandit Deendayal Petroleum University, India); Pradip Kumar Barik (Pandit Deendayal Energy University, India)

03:30 pm: *MHMA Lite: A Modular Hierarchical Multimodal Agent for Industrial Equipment Fault Detection*

Devrajsinh Gohil (Marwadi University, India); Omprakash Suthar (Marwadi University, India); Jay Nasit (Marwadi University, India); Vedantsinh Vaghela (LDRP Institute of Technology and Research Gandhinagar, India)

03:45 pm: *Impact of Embedding Dimensionality on Retrieval Errors and Hallucination in Retrieval-Augmented Generation Systems*

Ankit Kumar Singh (Amity University, India); Mansi Sharma (SOIT, RGPV, India)

04:00 pm: *Medication Assistant: JK Flip-Flop as a Tallier to Track Medication Consumption*

Parv Gupta (NMIMS University, India); Vipul Gohil (Narsee Monjee Institute of Management Studies, India); Manan Jain (NMIMS University, India); Advaith Iyer (NMIMS, Mumbai, India); Behlah Kathavala (NMIMS, India)

04:15 pm: *Stacked Ensemble Learning Applied over Fused Lightweight CNN Deep Features for Image Forgery Detection*

Kunal Devidas Gaikwad (B V Raju Institute of Technology, India); Omkar Akshara (CMR Institute of Technology, India); Kumbala Pradeep Reddy (CMR Institute of Technology, India)

04:30 pm: *Emergence of AI-Driven Human Robot Interaction Paradigms for Business Process Optimization*

Shweta Loonkar (KS Publication Pathway & MPSTME, NMIMS, India)



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S2 (*Autonomous & Intelligent Systems*)

Session time	Friday, 02:00 pm until 05:30 pm
Location	MB101 (oral in-person)
Talk time	15 minutes
Chaired by	Rajesh Gupta (Marwadi University, India) Pooja Shah (Pandit Deendayal Energy University, India)

02:00 pm: *Lightweight YOLOv9 with CBAM Attention for Real-Time Rice Blast Detection Using Multispectral Images*

Vidyasree G (Sri Krishna College of Engineering and Technology, India); Kannimuthu S (Karpagam College of Engineering, India); G Kirubasri (Anna University, India)

02:15 pm: *A Zero-Hallucination Intelligent System for Reliable Scientific Decision-Making and Computation*

Annanya Bulchandani (Karnavati University, India); Anjali Joshi (Karnavati University, India); Kunjal Makwana (Karnavati university, India, India); Devam Solanki (Karnavati University, India); Dev Gupta (Karnavati University, India)

02:30 pm: *Nivra: A Deterministic Multi-Agent Framework for Explainable Behavioral Underwriting*

Sindhu D (Bangalore institute of technology, India); Manjunath H (Bangalore Institute of Technology, India); Mohammed Sameer L A (Bangalore institute of technology, India); Rithvik S (Bangalore institute of technology, India); Sindhu S B (Bangalore institute of technology, India)

02:45 pm: *ADAM-a: Adaptive Distributed Agentic Multi-Task Architecture for Autonomous Goal-Directed Systems with Hierarchical Reinforcement Learning*

B Christina Sweetline (SRM Institute of Science and Technology, India); Samyudurai Arumugam (SRM Valliammai Engineering College, India); Mandalam Chitralkha (Anna University, India)

03:00 pm: *CGA-NET: Parameter-Efficient Feature Extraction and Time-Frequency Attention for on-Device Radio-Frequency Intrusion Detection*

Himanshu Kumar (Indian institute of Technology Bhubaneswar, India & University Of Agder, Norway); Anjali Kumari (National Institute of Technology Agartala, India)

03:15 pm: *FetalNet: Fetal Brain Abnormality Detection Using EfficientNetB3 with Anatomical Constraint Validation*

Krishna Panwala (Sarvajanik College of Engineering and Technology, India); Vansh Chapadia (Sarvajanik College of Engineering and Technology, India); Krishna Delvadia (Sarvajanik College of Engineering and Technology, India)

03:30 pm: Design and Implementation of MicroClimateAI: An ESP32 IoT Framework for Hyper-Local Weather Monitoring and Predictive Analytics

Kier Carlos Daniel Buico (Caraga State University, Philippines); Ralph Angelo Gonzaga (Caraga State University, Philippines); Shekinah Sidayen (Caraga State University, Philippines); Re-Ann Cristine O. Calimpusan (Caraga State University, Philippines); Jeffrey T Dellosa (Caraga State University & Ateneo de Davao University, Philippines)

03:45 pm: Design and Implementation of a Smart Water Pump Control System with Dry-Run Protection

Dhiraj Rathod (Vishwakarma Institute of Technology, India)

04:00 pm: Drishti Scene Collector: Design and Implementation of an AI-Based CCTV Surveillance and Anomaly Detection System

Anshuman Pati (Dayananda Sagar College of Engineering, India); Annapurna P Patil (Visvesvaraya Technological University, India); Ranjit Shankar (Technogrep Solutions LLP, India); Madhavaram Swapna (Dayananda Sagar College of Engineering, India); Navya K Manjunath (DSCE, India); Midde Jayanth (Dayananda Sagar College of Engineering, India); Rigved Tamkoria (Dayananda Sagar College of Engineering, India)

04:15 pm: Hand Gesture-Based Virtual Mouse

Yash Vishnu Raut (Vishwakarma Institute of Technology, India); Durvesh Pankajkumar Suryawanshi (Vishwakarma Institute of Technology, India); Rohan Shrikant Gotsurve (Vishwakarma Institute of Technology, India); Sameer Rameshrao Waghmare (Vishwakarma Institute of Technology, India); Jeevan Vijay Valekar (Vishwakarma Institute of Technology, India); Rajesh Pashikanti (Vishwakarma Institute of Technology, India)



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S3 (IoT, Cyber-Physical Systems & Smart Infrastructure)

Session time	Friday, 02:00 pm until 05:30 pm
Location	MC601 (oral in-person)
Talk time	15 minutes
Chaired by	Chirag Joshi (Manipal University Jaipur, India) Deepak Kumar Verma (Marwadi University, India)

02:00 pm: Dynamic Resource Allocation in IoT-Driven Smart Cities: A Multi-Agent Approach

Aparajita Biswal (Parul University, India); Rahul Mehta (Gujarat Technological University, India)

02:15 pm: Adaptive RSSI Filtering for Stable BLE-Based Indoor Distance Estimation on Edge Platforms

Rajesh Pashikanti (Vishwakarma Institute of Technology, India); Parth Jyotiram Sonke (Vishwakarma Institute of Technology, India); Pranav Sanjay Sonwalkar (Vishwakarma Institute of Technology, India); Pranav Satish Solunke (Vishwakarma Institute of Technology, India); Toshit Subhash Bhoyar (Vishwakarma Institute of Technology, India)

02:30 pm: A Memory-Efficient 1-Bit Neural Architecture for Privacy-Aware Smart Grid Edge Monitoring

Kirtirajsinh Zala (Marwadi University, India); Neel Hiren Dholakia (Marwadi University, India); Jivesh Poddar (Northeastern University, USA); Hemant Patel (Dr Subhash University, India); Deep Thumar (GTU, India); Madhu Shukla (Marwadi Education Foundation Group of Institutions & Marwadi Education Foundation, Rajkot, India)

02:45 pm: Attention-Driven Malware Detection Using Transformer Encoders for High-Precision Static Analysis

Mohammad Ashhar Alam Mir (Central University of Kashmir, India); Sarada Prasad Gochhayat (Indian Institute of Technology, Jammu, India); Aseef Ahmad Bandey (Central University of Kashmir, India); Ummer Iqbal (National Institute of Electronics and Information Technology, Jammu and Kashmir, India); Anshuman Kalla (Symbiosis International (Deemed University), India)

03:00 pm: AI-Driven Renewable-Aware Workload Scheduling for Sustainable Cloud Data Centers

Himanshu Gupta (Manipal Academy of Higher Education (MAHE), India); Hirdesh Varshney (Dr B R Ambedkar National Institute of Technology Jalandhar, India); Rishabh Pathak (UBS, India)

03:15 pm: BIM-IoT-RFID Integrated Risk Governance in Prefabricated Construction: Development and Validation of the BIRGI Framework for Delhi NCR, India

Md Mahmudul Hasan (Noida International University, India); Pradyut Anand (Noida International University, India)

03:30 pm: *Enhancing CPE String Accuracy from Network Scanners Using Large Language Models*

Florin Haralambie (National University of Science and Technology Politehnica Bucharest, Romania); Emilia Oana Miș (National University of Science and Technology Politehnica Bucharest, Romania); Raluca-Ioana Purcăruș (University Politehnica, Romania); Alexandru Aloman (Special Telecommunications Service, Romania); Nicolae Goga (University of Groningen, The Netherlands); Andrei Vasilateanu (Politehnica University of Bucharest, Romania)

03:45 pm: *Secure and Privacy-Preserving Peer-to-Peer Energy Trading in Smart Grids Using IoT and Blockchain*

Kaku Riya Dharmendra (B. H. Gardi College of Engineering and Technology, India); Chirag Joshi (Manipal University Jaipur, India); Manish Pravinchandra Patel (Gujarat Technology University, India); Monika Rameshchandra Shah (Gujarat Technological University & B. H. Gardi College of Engineering & Technology, India); Foram Rangani (B. H. Gardi College of Engineering & Technology, India); Manali Bharatbhai Surani (B.H. Gardi College of Engineering & Technology, India)

04:00 pm: *Strategic Integration of Autonomous AI Systems in Critical Sectors: A Technology Management Perspective*

Aditya Pai H (Dayananda Sagar University, Bengaluru, India); Jyoti Agarwal (Graphic Era Deemed to be University, India); Riya Sharma (Graphic Era (Deemed to be University), India); Sharon Christa (MIT Art, Design and Technology University, India)

04:15 pm: *An IoT-Based Railway Track Crack Detection System*

Rajesh Pashikanti (Vishwakarma Institute of Technology, India); Omkar Sharad Zadbuke (Vishwakarma Institute of Technology, India); Rani Ugale (Vishwakarma Institute of Technology, India); Divya Unune (Vishwakarma Institute of Technology, India); Vedant Karade (Vishwakarma Institute of Technology, India)



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S4 (Digital Transformation and Industry 4.0 and 5.0 / Digital Twins, Simulation & Systems Engineering)

Session time	Friday, 02:00 pm until 03:15 pm
Location	MA201 (oral in-person)
Talk time	15 minutes
Chaired by	Jitendra Bhatia (Nirma University, India) Amit Sata (Marwadi University, India)

02:00 pm: *EdgeShield: A Small Language Model Framework for Real-Time Detection of Lateral Movement and Ransomware Attacks*

Gauravkumar V. Raval (GLS University & Index Advertising Technology Services Private Limited, India); Tejaskumar Bhatt (GLS University, India)

02:15 pm: *Real-Time Multi-Model Deep Learning Architecture for Customer Segmentation and Automated Staff Tracking in Retail Environments*

Chintan Patel (Kaushalya the Skill University, India); Amruta Panchal (Kaushalya The Skill University, India)

02:30 pm: *A Computer Vision Framework for Automated Customer Segmentation and Staff Tracking*

Chintan Patel (Kaushalya the Skill University, India); Amruta Panchal (Kaushalya The Skill University, India)

02:45 pm: *Conditioning Multispectral Fusion on Scene Context for Robust Target Detection in Unseen Environment*

Kiran Moy Mandal (Defence Institute of Advanced Technology, India); Sunita Dhavale (Defence Institute of Advanced Technology, India)

03:00 pm: *Dynamic Buffer Sharing for Latency-Aware and Scalable Mesh Network-on-Chip Architectures*

Pratik Harde (National Institute of Technology Karnataka, Surathkal, India); Prashant Gangarde (National Institute of Technology Karnataka, Surathkal, India); Girish K K (NIT Karnataka, India); Biswajit R. Bhowmik (NIT Karnataka, India)

03:15 pm: *DVFS-Enabled Energy Optimization for Scalable Mesh Network-on-Chip Architectures*

Aman Khade (National Institute of Technology Karnataka, Surathkal, India); Nisharth Chauhan (National Institute of Technology Karnataka, Surathkal, India); Soumith Mudam (National Institute of Technology Karnataka, Surathkal, India);

Girish K K (NIT Karnataka, India); Biswajit R. Bhowmik (NIT Karnataka, India)

03:30 pm: *Simulation-Based Evaluation of Single-Sensor Acoustic PD Localization in Power Transformers via Time-Reversal Multipath Exploitation*

Niravkumar J Patel (UPL university of sustainable technology, India); Jalpa Thakkar (UPL University of Sustainable Technology, Ankleshwar, India); Kalpesh Dudani (Lukhdhirji Engineering College, Morbi, India)

03:45 pm: *Comparative Analysis of Fixed Tilt and Seasonal-Tilt Ground-Mounted Photovoltaic Power Plants Using PVsyst®*

Hemangi Rajani (Marwadi University, India); Sachin Vrajlal Rajani (VVP Engineering College, India)

04:00 pm: *Digital Applications in Indian Railways Across Departments and the Use of Artificial Intelligence with Their Results: An Empirical Study*

Arvind Mishra (Amity University, India)



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S5 (Business Analytics, Forecasting & Decision Intelligence/Supply Chain, Logistics & Operations Management/ People, Leadership & Societal Impact of Technology/Smart Manufacturing & Advanced Production Systems)

Session time Friday, 02:00 pm until 05:30 pm

Location MB201 (oral in-person)

Talk time 15 minutes

Chaired by Prosenjit Ghosh (Marwadi University, India)
Arun K. Timalisina (Pulchowk Campus, Institute of Engineering, Tribhuvan University, Nepal)

02:00 pm: A Hybrid AI - Quantum Marketing Intelligence Framework: Bridging Predictive Analytics and Quantum Optimization for Strategic Digital Business Transformation

Vijay Kumar Gupta (RV College of Engineering, India); KA Nethravathi (RVCE, India); Sujit Kumar (Callmatic Ai, India)

02:15 pm: AI-Driven Personalization in Digital Marketing: A Conceptual Framework for Consumer Purchase Intention in India

Pratik Shukla (Marwadi University, India); Pramod Goyal (Marwadi University, India); Ashfaque Z Mohammed (St. Josephs College of Commerce, India); Komal A Dave (St. Josephs College of Commerce, India)

02:30 pm: Semiconductor Supply Chains: Resilience Challenges and Graph Neural Network Opportunities in Emerging Manufacturing Ecosystems

Moon-Kuen Mak (University of Chinese Academy of Sciences, China); Tiejian Luo (University of Chinese Academy of Sciences, China)

02:45 pm: Evolving Llm Agents in Supply Chains

Prashik N Shende (Vishwakarma Institute of Technology, India); Vishash J Singh (Vishwakarma Institute of Technology, India); Taha R Syed (Vishwakarma Institute of Technology, India); Shreyash V Wakade (Vishwakarma Institute of Technology, India); Prajwal R Molak (Vishwakarma Institute Of Technology Pune, India); Rajesh Pashikanti (Vishwakarma Institute of Technology, India)

03:00 pm: Behavioural Feature Engineering for Social Media Interaction Analysis Using Structured User Metadata

Subhash Chandra (Manipal University Jaipur, India); Aprna Tripathi (Manipal University Jaipur, Rajasthan, Ind, India); Avani Sharma (Manipal University Jaipur, India); Jashvant Kumar (Manipal University Jaipur, India)

03:15 pm: An Ensemble Learning and SARIMA-Based Framework for AQI Classification and PM2.5 Forecasting

Jayashree Piri (KIIT Deemed to be University, India); Raghunath Dey (KIIT Deemed to Be University, India); Surajit Mohanty (Dhaneswar Rath Institute of Engineering and Management Studies, India); Pragyan Paramita Das (Silicon University & Silicon Institute of Technology, India); Biswaranjan Acharya (Jagadguru Kripalu University, India)

03:30 pm: Dual-CNN Based Driver Alertness Detection System for Eye Blink and Yawn Analysis

Raghunath Dey (KIIT Deemed to Be University, India); Jayashree Piri (KIIT Deemed to be University, India); Pragyan Paramita Das (Silicon University & Silicon Institute of Technology, India)

03:45 pm: Reconfiguration of Work Practices: A Sociomaterial Analysis of AI Integration in the IT Organizations

Ishani Vajpai (Indian Institute of Technology, Jodhpur, India); Yuvadhan Singh Rutia (PDPM IITDM Jabalpur, India)

04:00 pm: Algorithmic Leadership in AI-Driven Organizations: Transforming Authority, Accountability, and Human Agency

Ashwani Kumar (Chandigarh University, India); Chetan Trivedi (Amity University, India)

04:15 pm: Energy-Efficient UAV Path Planning Using Heuristic Algorithms

Prakhar Consul (IILM University, Greater Noida, India); Apurvi Krishnan (IILM University, Greater Noida, India); Ritik Kumar (IILM University, Greater Noida, India); Vanshika Dhall (IILM University, Greater Noida, India); Kishan Tiwari (IILM University, Greater Noida, India)



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S6 (Business Analytics, Forecasting & Decision Intelligence/Supply Chain, Logistics & Operations Management/ People, Leadership & Societal Impact of Technology/Smart Manufacturing & Advanced Production Systems)

Session time	Friday, 02:00 pm until 05:00 pm
Location	MB305 (oral in-person)
Talk time	15 minutes
Chaired by	Jayaram R (Marwadi University, India)

02:00 pm: Road Eye: AI Driven Civic Issue Reporting Using Crowd Sourced Data

Purva Chetan Satwani (Dayananda Sagar University, India); Varsha Reddy P R (Dayananda Sagar University, India); Nallani Chandini (Dayananda Sagar University, India); Polamada Naga Ashritha (Dayananda Sagar University, India); Basavaraj N Hiremath (Dayananda Sagar University, India)

02:15 pm: Modeling Delay Propagation Without Meteorological Data for Robust Flight Delay Prediction: A Rotation-Aware Approach

Parijat Mandal (National Institute of Technology Rourkela, India); Ratnakar Dash (NIT Rourkela, India); Nirav Bhatt (Charotar University of Science and Technology, India)

02:30 pm: Impact of Sagarmala Program on Total Cargo Movement on Inland Waterways of India Using Interrupted Time Series Method

Amit Mahajan (Indian Maritime University, India); Emil Mathew (Indian Maritime University, India)

02:45 pm: Automated Machine Learning for Business Analytics: An Empirical Study Using H2O AutoML

Kiran Dashrath Nagare (MIT-WPU, India); Anil Saini (Bajaj Auto Limited Pune, India)

03:00 pm: AI-Driven Personalized Digital Communication: Examining the Role of Ethical Concerns in the Indian Context

Pratik Shukla (Marwadi University, India); Pramod Goyal (Marwadi University, India)

03:15 pm: Comparative Evaluation of Deep Learning Forecasting Models and Reinforcement Learning for Smart

Inventory Systems

Dhaval Damjibhai Haranesha (Suresh Gyan Vihar University, India); Pooja Soni (Suresh Gyan Vihar University, India); Nagendra Kr. Swarnkar (Suresh Gyan Vihar University, India)

03:30 pm: Systematic Data-Analytics-Driven Techno-Economic Analysis of Rooftop Solar PV and BESS for a Residential Apartment

Pritam Prabir Ghosh (Pandit Deendayal Petroleum University, India); Vipin Shukla (Pandit Deendayal Petroleum University, India); Nirav Karelia (Pandit Deendayal Petroleum University, India); Preeti Sharma (Pandit Deendayal Petroleum University, India)

03:45 pm: Machine Learning Forecasting of Firm Financial Performance: Evidence from CMIE Prowess Data

Ujjwal Mishra (MIT ADT University, India); Deepa Mishra (MIT ADT University, India)

04:00 pm: Molecular Graph-Based Drug Classification with Eigenvalue Descriptors and Machine Learning

Khushbu Vinodbhai Pandya, Jr. (Gujarat Technological University, India); Priyanshi Madani (Marwadi University, India); Dhruvi Bhalodiya (Marwadi University, India); Chirag Visani (Marwadi University, India)

04:15 pm: A Quantum Algorithmic Framework for Stock Price Prediction and Market Trend Analysis

M Surya (SRM Madurai College for Engineering and Technology, India); K R Premlatha (Thiagarajar College of Engineering, India)



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S10 (Project, Program & Infrastructure Management/Entrepreneurship, Startups & Technology Commercialization/ Strategic Management & Digital Business Transformation)

Session time Saturday, 10:45 am until 02:30 pm

Location MB201 (oral in-person)

Talk time 15 minutes

Chaired by Nipa Desai (Sigma University, India)
Viral Tolia (Marwadi University, India)
Vijay Vyas (Krantiguru Shyamji Krishna Verma Kachchh University, India)

10:45 am: Examining the Global Fallout of Tariff Wars on International Markets

Kashika Birani (Bombay Scottish School Mahim, India); Karishma Desai (Atlas SkillTech University Mumbai, India); Shweta Loonkar (KS Publication Pathway & MPSTME, NMIMS, India)

11:00 am: From Classroom to the Canvas: Transforming Entrepreneurial Learning Through AI-Augmented Systems

Supriya Srivastava (Pune Institute of Business Management, Maharashtra & Symbiosis International Deemed University, Pune, Maharashtra, India); Vishal Soodan (Manipal Academy of Higher Education, Manipal-India, India)

11:15 am: Enhancing Mobility as a Service (MaaS) Through Explainable Machine Learning for Travel Mode Choice Prediction

Suchita Ghute (S R University, India); Durgesh Nandan (SR University, Warangal, Telangana, India)

11:30 am: A Machine Learning and Process Network-Based Dynamic Early Warning Method for Construction Schedule Risk in Power Grid Projects

Ruixin Qian (State Grid Economic and Technological Research Institute Co., China); Shigong Jiang (State Grid Economic and Technological Research Institute Co., China); Liang Ma (State Grid Economic and Technological Research Institute Co., China); Hongyi Li (State Grid Economic and Technological Research Institute Co., China); Peng Wang (State grid taizhou power supply company, China)

11:45 am: Digital Transformation in Commerce: Strategic Management of E-Commerce Ecosystems for Sustainable

Growth in Jammu & Kashmir and Punjab

Priyanka Sharma (Model Institute of Engineering and Technology, India)

12:00 pm: Augmented Reality, User Satisfaction, and Consumer Behavior: A SEM-Based Analysis of Purchase Intention and Brand Loyalty in Digital Retail

Navjeet Kaur (Model Institute of Engineering and Technology, India); Ankita Nanda (Model Institute of Engineering and Technology, India)



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S7 (AI Synergy - Healthcare & AgriTech)

Session time	Saturday, 10:45 am until 04:15 pm
Location	MC501 (oral in-person)
Talk time	15 minutes
Chaired by	Rajat Chaudhary (Marwadi University, India) Durgesh Nandan (SR University, Warangal, Telangana, India)

10:45 am: *Progressive GAN-Based Severity Continuum Simulation with Graph Transformer Capsule Networks for Explainable Lung Cancer Stage Classification*

Venu Gopal Chinthapalli (SR University, India); Santosh Kumar Henge (SR University, India)

11:00 am: *Hybrid MRI Image Enhancement Framework for Improved Structural and Perceptual Quality*

Rohit Goel (Maharaja Agrasen Institute of Technology, India); Ruchika Pharswan (Delhi Technological University, India); Md Reyaz Ali (Delhi Technological University, India)

11:15 am: *EfficientNetV2-S and Swin Transformer Ensemble for Tea Leaf Disease Classification Using Merged Multi-Source Datasets*

Soha Jawdekar (VJTI, Mumbai, India); Sanika Kumbhare (Veermata Jijabai Technological Institute, India); Aditi Dhumal (Veermata Jijabai Technological Institute, Mumbai, India); Rajesh A Patil (Veermata Jijabai Technological Institute, India); Zohra Bano Khan (Veermata Jijabai Technological Institute, India)

11:30 am: *Improving Minority Class Detection in ECG Arrhythmia Classification Using Transformer-Based Deep Learning Models*

Ruchika Pharswan (Delhi Technological University, India); Rohit Goel (Maharaja Agrasen Institute of Technology, India); Anisha Goel (Delhi Technological University, India); Hriday Shah (Delhi Technological University, India)

11:45 am: *AI-Based Food Redistribution System Using CNN and LSTM for Quality Assessment and Smart Matching*

Priyanka Pokhrel (SRM Institute of Science and Technology, India); Bhavini Pittan (SRM Institute of Science and Technology, India); B Christina Sweetline (SRM Institute of Science and Technology, India)

12:00 pm: *DS-BAViT: Dual-Scale Boundary-Aware Vision Transformer for Federated Echocardiographic Segmentation in*

Myocardial Infarction Diagnosis

Margaret Mercy V I (CMR Institute of Technology, India); Mebin Jose VI (Easa college of engineering and technology, India); Pavithra P (CMR Institute of Technology, India); Sivakumar, N (Marwadi University, India); Kavitha N Pillai (CMR Institute of Technology, India); Dibyanshu Lunia (Marwadi university, India)

12:15 pm: YOLO-GhostGAMNet: A Multi-Crop Instance Segmentation Framework for Plant Disease Detection and Severity Estimation

Amit Dangi (Research Scholar, Ganpat University Mehsana, Gujarat, India); Devang Pandya (Ganpat University Mehsana, Gujarat, India); Pravesh Patel (Ganpat University Mehsana, Gujarat, India)

12:30 pm: Decoding Pneumonia from Radiographs Using Optimized Deep Learning

Akshat Vora (Pandit Deendayal Energy University, India); Samir Patel (Pandit Deendayal Energy University, India); Kaushik Jain (Pandit Deendayal Energy University, India); Jay Ashwin (Pandit Deendayal Energy University, India); Yash Parekh (Pandit Deendayal Energy University, India)

12:45 pm: Context-Aware Chatbot for University Course Information: A Retrieval-Augmented Generation Approach

Abeer Albawardi (Prince Sattam Bin Abdulaziz University, Saudi Arabia); Durah Altamimi (Prince Sattam Bin Abdulaziz University, Saudi Arabia); Padmaja Savaram (Prince Sattam bin Abdulaziz University, Saudi Arabia)

01:00 pm: An Advanced and Automated YOLOv8 Based Breast Tumor Detection and Classification System

Krishna Delvadia (Sarvajani College of Engineering and Technology, India); Bhavya Bavisi (Sarvajani College of Engineering and Technology, India); Prapti Mehta (Sarvajani College of Engineering and Technology, India); Kunj Desai (Sarvajani College of Engineering and Technology, India)

01:15 pm: Machine Learning Driven Cardiac Arrest Prediction System Using ECG and PPG Sensors with Emergency Module in Wearables

Krishna Delvadia (Sarvajani College of Engineering and Technology, India); Soham Patel (Sarvajani College of Engineering and Technology, India); Manan Shah (Sarvajani College of Engineering and Technology, India); Manav Avaiya (Sarvajani College of Engineering and Technology, India)

01:30 pm: Sparse Continuum Memory: Mixture-Of-Experts Gating for Efficient Continual Learning

Abhinav Nara (Amity University Punjab, India); Ayachi Samyal (Amity University Punjab, India); Vishwanath Bijalwan (Amity University, India); Hanspreet Jassi (Amity University Punjab, India); Duc-Tan Tran (Phenikaa University, Vietnam)

01:45 pm: AI-Assisted Asset Customization and Serious Game Design for Executive Function Training in Children with ADHD

Diana Alexandra Ciungan (National University of Science and Technology Politehnica Bucharest, Romania); Dragoş Cîrneai (Spiru Haret University, Romania); Alexandru Bratosin (National University of Science and Technology Politehnica Bucharest, Romania); Nicolae Goga (University of Groningen, The Netherlands); Dragoş-Mihai Negrea

(Romania); Ramona Popa (National University of Science and Technology Politehnica Bucuresti, Romania); Maria Goga (Technical University of Construction, Romania)

02:00 pm: *UroTrack: A Hybrid Explainable AI Framework for Early-Stage Risk Assessment and Longitudinal Progression Tracking of Urinary Tract Infections*

Prajwal Sindagi (Dayanada Sagar university, India); Arpita Paria (Dayananda Sagar University, India)

02:15 pm: *Probabilistic Analysis of a Simple Packet Routing Algorithm*

Manar Alqarni (Prince Sattam Bin Abdulaziz University, Saudi Arabia); Padmaja Savaram (Prince Sattam bin Abdulaziz University, Saudi Arabia)

02:30 pm: *Empirical Validation of the Power of Two Choices*

Awatif Alshehri (Prince Sattam bin Abdulaziz University, Saudi Arabia); Padmaja Savaram (Prince Sattam bin Abdulaziz University, Saudi Arabia)



2026 TEMSCON-ASPAC: 2026 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC)

S8 (Secure Cloud, Cybersecurity, Blockchain & Trusted Digital Systems)

Session time Saturday, 10:45 am until 02:45 pm

Location MC601 (oral in-person)

Talk time 15 minutes

Chaired by Rebakah Geddam (Karnavati University, India & Linnaeus University, Sweden)
Himanshu Gupta (Manipal Academy of Higher Education (MAHE), India)
Sushil Kumar Singh (Marwadi University, India)

10:45 am: *Data Anomalies Detection and Tracking for Multi Class Network Environments Using Machine Learning*

Rupa Chiramdasu (VRSEC, India); Chandan Akhil Reddy Challa (Texaz A&M University, USA); Thippa Reddy Reddy Gadekallu (Vellore Institute of Technology, India)

11:00 am: *Fingerprint-Resilient Edge Honeypots: An Adaptive, Resource-Aware Architecture for Constrained Environments*

Jay Gorasiya (Marwadi University, India); Hetvi Hirani (Marwadi University, India); Yash Vasoya (Marwadi University, India)

11:15 am: *COAR: Multi-Factor Correlation Analysis in Vehicle Health Monitoring*

Atharva Yeola (Lovely Professional University, India); Paras Upadhyay (Lovely Professional University, India); Chetan Rana (Lovely Professional University, India); Laxmi Daddagol (Lovely Professional University, India); Rahul Saha (Lovely Professional University, India)

11:30 am: *Analyzing the Post-Quantum Readiness of Fortune 500 Companies: An Empirical Study*

Rishabh Deepan Amar (Sardar Vallabhbhai National Institute of Technology, Surat, India); Sarada Prasad Gochhayat (Indian Institute of Technology, Jammu, India); Ummer Iqbal (National Institute of Electronics and Information Technology, Jammu and Kashmir, India); Anshuman Kalla (Symbiosis International (Deemed University), India)

11:45 am: *Generative AI in Class Imbalance Adjustments for Financial Transactions*

Nishchay Kumar (National Institute of Technology Karnataka, Surathkal, India); Girish K K (NIT Karnataka, India); Biswajit R. Bhowmik (NIT Karnataka, India)

12:00 pm: *Lightweight Forensic-Ready CI/CD Evidence Collection with ML-Augmented Anomaly Detection*

Dilshika Tissera (Sri Lanka Institute of Information Technology (SLIT), Sri Lanka); Hirunima Senarathna (Sri Lanka Institute of Information Technology, Sri Lanka); Pavara Helamina (Sri Lanka Institute of Information Technology, Sri Lanka); Adithya Jeewandara (Sri Lanka Institute of Information Technology, Sri Lanka); Deemantha Siriwardana (Sri Lanka Institute of Information Technology, Sri Lanka); Dinithi Pandithage (Sri Lanka Institute of Information Technology, Sri Lanka)

12:15 pm: *MediCard: A Blockchain-Enabled Framework for Secure, Interoperable, and Real-Time Patient Health Record Management*

Pinak Mukherjee (SRM Institute of Science and Technology, India); Vishwa V (SRM Institute of Science and Technology, India); Nikil N Kurup (SRM Institute of Science and Technology, India); Sathya Priya S (SRM Institute of Science and Technology, India)

12:30 pm: *AgriTrace: A Decentralized Blockchain-Driven Traceability Framework for Agricultural Supply Chain System*

Dwivedi Sanjeev Kumar (Pandit Deendayal Energy University (PDEU) Raisan Gandhinagar Gujarat India, India); Jay Raval (Pandit Deendayal Energy University Gandhinagar, India); Utkarsh Tiwari (Pandit Deendayal Energy University (PDEU) Gandhinagar India, India)

12:45 pm: *QRAFUAV: A Quantum-Resistant Adaptive Authentication Framework for UAV Swarms*

Manoj Kumar (Netaji Subhas University of Technology, Delhi, India); Rashmi Chaudhry (NSUT, Delhi, India)

01:00 pm: *AI-Based Anomaly Detection for Modbus Protocol Traffic in SCADA Networks Using Machine Learning*

Siddharth Saxena (Vishwakarma Institute of Technology, India); Rajesh Pashikanti (Vishwakarma Institute of Technology, India); Yash Shelke (Vishwakarma Institute of Technology, India); Aditya Shinde (Vishwakarma Institute of Technology, India); Pavan Rathod (Vishwakarma Institute of Technology, India)



2026 TEMSCON-ASPAC: 2026 IEEE Technology & Engineering Management Conference - Asia Pacific (TEMSCON-ASPAC)

S9 (Technology & Innovation Management/Technology and Management)

Session time	Saturday, 10:45 am until 02:30 pm
Location	MA201 (oral in-person)
Talk time	15 minutes
Chaired by	Sivakumar, N (Marwadi University, India) Pramod Goyal (Marwadi University, India)

10:45 am: *Artificial Intelligence in Education and Workforce Development: Bridging the Skill Gap for the Future of Work*

Vineet Chouhan (Unitedworld Institute of Management, Karnavati University, Gandhinagar, Gujarat, India); Pranav Saraswat (MITCOM, MIT Art, Design and Technology University, Pune, India); Gopika Juneja (Chitkara University, Punjab, India)

11:00 am: *AI-Driven Innovations in Sustainable Finance: A MICMAC Analysis of ESG Investment Decision-Making*

Vineet Chouhan (Unitedworld institute of Management, Karnavati University, Gandhinagar, Gujarat-India vpc2008@gmail.com, India); Pranav Saraswat (MITCOM, MIT Art, Design and Technology University, Pune, India); Gopika Juneja (Chitkara University, Punjab, India)

11:15 am: *Modelling the Relationship of Urban Design Using AI and Sustainable Construction Practices with Air Quality Using PLS-SEM*

Shweta Loonkar (KS Publication Pathway & MPSTME, NMIMS, India)

11:30 am: *MLViz: A RAG-Based Visualizer for Mathematical and Machine Learning Concepts from Natural Language*

Madhusudhan HS (Vidyavardhaka College of Engineering, India)

11:45 am: *Off-Grid Sparse Bayesian Learning for Training-Free Channel Estimation in Pinching-Antenna Systems*

Amit Anand (University of Johannesburg, South Africa); Prabhat Thakur (University of Johannesburg, South Africa); Ghanshyam Singh (S Africa, South Africa & University of Johannesburg, India); Durgesh Nandan (SR University, Warangal, Telangana, India)

12:00 pm: *SemaRIC: An LLM-to-MAC Semantic Scheduling Framework for AI-Native 6G RAN*

Amit Anand (University of Johannesburg, South Africa); Prabhat Thakur (University of Johannesburg, South Africa); Ghanshyam Singh (S Africa, South Africa & University of Johannesburg, India); Durgesh Nandan (SR University, Warangal, Telangana, India)

12:15 pm: Artificial Intelligence Recruitment Systems and DEI Natural Language Processing Talent Acquisition

Ramachandran G (VMKVEC, India)

12:30 pm: AI-Driven Transformation in Procure-to-Pay: A Practitioner Framework for Supply Chain Automation in Enterprise ERP Environments

Manykandaprebou Vaitinadin (Epson America, Inc., USA); Elayaraja Subbaiah (American Express, USA); Elavarasi Kesavan (Cognizant, USA); Senduru Srinivasulu (Sathyabama Institute of Science and Technology, India)

