



4th IEEE DELCON 2025

Day 1, Friday (31/10/2025) Presentation Schedule

Day 1, Friday (31/10/2025)	
Session S2 (12:30 PM-5:30 PM)	Venue: FET Assembly Lawn
Poster Presentation	
Paper ID	Paper Title
31	Non-Invasive Sensor Based Detection of 2-FAL and Moisture in Transformer Oil
234	Deep Learning-Based Multi-Class Brain Tumor Classification from MRI Using a Novel MS-DSCC Net Architecture
257	Future of Urban Mobility: Design and Performance Analysis of Fuel Cell Hybrid Electric Rickshaw
408	A 3-Stage DCCS-VCO Design using Proposed 2-Stage Cascaded CMOS Buffer for Power Constrained Wide Tuning Range
490	BER Topic Analysis of Autism-Related Twitter Conversations: Insights into Public Discourse on ASD
544	A Survey of EV Charging Systems with Solar PV in India
763	Low-Cost and Compact Spot-Welding Machine For Sheet Metal Fabrication
742	Design and Simulation of a Python-Based Fuzzy Logic Irrigation System
797	Grid-aware Scheduling and Control of Electric Vehicle Charging Stations: A Review
798	State-of-Charge Estimation of Lithium-ion Batteries with BiLSTM Architecture
799	A Hybrid Machine Learning Framework for Adaptive Quantum Communication Networks
800	Short-Term Load Prediction for EV Charging Stations in Sustainable Energy Systems
801	A Comprehensive Review on SOC Estimation Techniques of Batteries
802	Impact of charging/discharging cycles on the health of VRLA battery
803	Mathematical Modelling and ANN-Based Forecasting of Electric Vehicle Charging Load for Smart Grid Demand Management
805	An Improved Water Level Fuzzy Controller for the Drum Boiler System
807	DQN-based Dynamic Workload Scheduling with Aging-Aware Queues
558	LiFi Technology for Data and Voice Transmission and Device Control
718	Modelling & Analysis of Bifacial PV Module under Different Operating Conditions
809	Impact Analysis of Identified Parameters of ECBS



Day 1, Friday (31/10/2025)

Session S3 (2:30 PM-4:30 PM)

Venue: Smart Grid RTDS Lab (Room 119)

Track 1: Smart Grid Technologies

Google Meet Link: meet.google.com/utn-mijd-dvq

Paper ID	Paper Title	Mode of Presentation
137	Effect of Geometry Dimensions on Power Output in a SUT: An Experimental Study	Online
522	Adaptive Transfer-Based Fog Load Balancing Using Transfer Learning for Fault-Tolerant Cloud Systems	Online
526	Use of Loyalty Based Reward Systems in India: Generational and Technological Study	Online
145	Intelligent Load Prediction for Smart Grids: A Fuzzy Based Deep Learning Approach	Offline
146	Efficiency Enhancement in Smart Grids Using Artificial Intelligence Techniques: A Review	Offline
169	Exploring Energy Arbitrage Opportunities for Battery Energy Storage Systems in United States and India	Offline
176	Smart Energy Management in Indian Universities: A Comparative Review and Implementation Roadmap	Offline

Day 1, Friday (31/10/2025)

Session S4 (2:30 PM-4:30 PM)

Venue: Smart Classroom (Room 119)

Track 2: Power System Operation & Control

Google Meet Link :<https://meet.google.com/piu-uqou-bzd>

Paper ID	Paper Title	Mode of Presentation
4	Performance Computing of Shunt Compensator in the Power Transmission Systems	Online
268	Performance Analysis of CNN-MPPT-Based PV System with Filter for Power Quality Enhancement	Online
194	Solar and Biomass based Hybrid Power System for Institutions in Delhi-NCR	Offline
208	A Novel Hybrid Computational Approach for Economic Load Dispatch in Power Systems	Offline
300	Dual Battery Management System in Electric Vehicles And Temperature Evaluation Analysis By Life-Net	Offline
473	Cybersecurity Risk Assessment Models for Renewable Energy Integration in Smart Power Systems	Offline
479	Laboratory Setup for Substation Automation Study based on IEC 61850 Standard	Offline
516	Improving Power Quality in Distribution Networks: A Comparative Study of LMS and SRF Controlled DSTATCOM	Offline



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Day 1, Friday (31/10/2025)

Session S5 (2:30 PM-4:30 PM)

Venue: FET Committee Room (Room 119)

Track 3: Control Systems

Google Meet Link: <https://meet.google.com/dzo-dhjh-uck>

Paper ID	Paper Title	Mode of Presentation
192	Fuzzy Modeling of Radiative Encoded Tissues Response during the Cardiac Cycle.	Online
768	Vision based traffic control system for pedestrian safety	Online
705	Design and Implementation of a Hall Effect-Based Pressure Monitoring System with IoT Connectivity.	Offline
253	Evaluation of the PEMFC's Performance for Green Electric Vehicle Use.	Offline
363	Nature-Inspired Optimization of FO-LQR for the Control of Rotary Double Inverted Pendulum	Online
17	Trajectory generation using Non Convex Model Predictive Control for Satellite Formation Flight under J2 perturbation with obstacle avoidance.	*

Day 1, Friday (31/10/2025)

Session S6 (2:30 PM-4:30 PM)

Venue: EED Seminar Room (Room 125)

Track 4: Robotics and Automation

Google Meet Link: <https://meet.google.com/rps-wqda-itv>

Paper ID	Paper Title	Mode of Presentation
235	Pneu-Net: A Multi-Scale Attention-Enhanced CNN for Pediatric Pneumonia Detection from Chest X- rays	Online
78	Smart Home Automation System: Secure Face Recognition and Gesture-Based Control	Offline
341	Privacy-Preserving Heart Disease Prediction Using Federated Deep Learning	Offline
198	A Particle Swarm Optimization-based Enhancement of Classical and Sampling-based Path Planning for UAV Sin 3d STATIC Environments.	Offline
98	Integrating Preference Tuning and Human	*
50	Development of a Smart Retail Management System using IoT Technology	*

Day 1, Friday (31/10/2025)

Session S7 (2:30 PM-4:30 PM)

Venue: Computer Lab (Room 124)

Track 5: Power Electronics, Machines and Drives

Google Meet Link: <https://meet.google.com/qrv-finj-wyh>

Paper ID	Paper Title	Mode of Presentation
89	A Current States of Modern Electric Vehicle Wireless Power Transmission	Online
279	Hybrid CNN-LSTM Deep Learning Frame work for Accurate Prognostics of Lithium-Ion Battery Remaining Useful Life	Online
77	Hybridizing CNT FET and MOSFET for Modern VLSI Systems	Online
344	Exploring Power Electronic Interfaces for Minimizing Torque Ripple in SRM Systems - A Review	Offline
360	Simulation and Analysis of Strong Coupling Effect on the Dynamics of Double	Offline
707	PSIM Based Simulation Analysis for Reliable Single-Phase Inverter Fed Smart AC	Offline
40	Mathematical Modeling and Controller Design for Non-Ideal Forward Converter	*



Day 1, Friday (31/10/2025)		
Session S8 (2:30 PM-4:30 PM)		Venue: Room No. 105
Track 6: Sensors and Measurement Technology		
Google Meet Link: https://meet.google.com/hqu-iito-eyt		
Paper ID	Paper Title	Mode of Presentation
96	Smart Vision Enhancing Independence with Object Recognition for Visually Impaired.	Online
132	Graph-Based Visualization and Fault Diagnosis in Large- Scale Industrial Sensor Networks Using KNN- Constructed Graph Neural.	Online
141	Beyond Reflection: A Comprehensive Exploration of Smart Mirror Technology and Applications.	Offline
262	A Novel Graphene Based Hetero Structured Bio-TFET for Improved Bio-molecule Sensing	Online
13	Advances in AI-Driven Optical Sensing for Aflatoxin Detection in Rice: A Review.	*
39	State of Charge Estimation in Lithium-Ion Batteries: A Deep Neural Network Approach	*

Day 1, Friday (31/10/2025)		
Session S9 (2:30 PM-4:30 PM)		Venue: Room No. 106
Track 7: Electronics & Communication Systems		
Google Link: https://meet.google.com/ggg-qrgz-myk		
Paper ID	Paper Title	Mode of presentation
3	Performance Computing of The Flyback Converter in The Discontinuous Conduction Mode	Online
32	LoraNet: Robust LoRa Signal Classification using Deep Convolutional Neural Networks and Spectrograms	Online
125	Design, Analysis and Verification using UVM of SRAM Architectures	Online
487	Computational Implementation of Group Theory in Cryptography and Chemistry: A Unified Mathematical Framework	Online
94	2D-Convolutional Neural Network for Non- Surgical Breast Cancer Detection in Mammograms	Offline
499	Adaptive LBIST for Aging-Induced Fault Dynamics in Deep-Submicron VLSI Circuits	Offline
222	FPGA-Based Secure Automated Car Parking System Using FSM and VHDL	Offline
349	Analysis and Design of a Parametric Hybrid Adder with Tunable Accuracy Using Kogge-Stone and Approximate Ripple-Carry Architecture	Offline
811	A Review On Compact Circular Polarized Microstrip Patch Antenna For 6G Application	Offline



Day 1, Friday (31/10/2025)

Session S10 (2:30 PM-4:30 PM)

Venue: Room No. 108

Track 8: Computer Technology

Google Meet Link: <https://meet.google.com/cwi-zsbc-wnf>

Paper ID	Paper Title	Mode of Presentation
81	A Novel Blockchain Framework for Agriculture: Enhancing Security and Transparency with Weighted Bidding and MBP-AgroBFT	Online
104	Improving Customer Relationship Management (CRM) With Data Mining: Insights from Retail Analytics.	Online
359	Advancements in AI for Healthcare: Emerging Deep Learning Solutions for Covid-19 Diagnosis and Treatment.	Offline
386	Revolutionizing Green IT and E-Waste: Pioneering a sustainable Bottom Line for Viksit Bharat's Future with Cutting-Edge Technology.	Online
12	Virtual Car Showroom: A User-Centric Approach to Car Customization.	*
19	AI for Climate Tipping in the Indian Ocean: Interpretable Prediction of Environmental Impact Using TIP-GAN.	*

Day 1, Friday (31/10/2025)

Session S11 (2:30 PM-4:30 PM)

Venue: Apple Lab (Room No. 211)

Special Session 1: Intelligent Energy Conversion and Emerging Technologies for Sustainable Power Systems

Google Meet Link: <https://meet.google.com/xuw-noox-jgh>

Paper ID	Paper Title	Mode of Presentation
670	A Sustainable Approach to Urban Mobility Through Regenerative Electric Bicycle	Online
706	Evaluating the Spatial and Technical Potential of Solar Energy Across Europe: A Critical Review	Online
728	A Comprehensive Review on the Role of Ceramic Based Nano-particles in Enhancing Electro-Mechanical Properties of Transformer Oil and Future Improvements	Online
752	Nano-Dielectric Fluids in Enhancing Electrical Properties of Transformer Solid and Liquid Insulation: A Comprehensive Review	Online
672	Lightweight Machine Learning (ML) Framework for Predicting Thermal Runaway in Lithium-Ion Battery	Offline
745	Grid-Tied Solar EV Charging Infrastructure: A Feasibility Study for Urban Deployment in India	Offline



Day 1, Friday (31/10/2025)

Session S12 (2:30 PM-3:30 PM)

Venue: FET Auditorium

Special Session 1: Digital Humanities: Tools and Applications for a Sustainable Future

Google Meet Link: <https://meet.google.com/syz-rxcc-avs>

Paper ID	Paper Title	Mode of Presentation
623	Mathematical Modeling and Simulation of Multimodal-Aware Virtual Traffic Lights for Safe and Efficient Urban Intersections	Offline
624	Cipher Vault: A Secured Varied Steganography Approach based on Improved Least Significant Bit Method	Offline
627	Fake News in the Digital Age: The Role of Social Media and its Consequences	Offline
632	Waste Object Recognition via Integrated U-Net Segmentation and YOLOv5 Detection Models	Offline
633	A Wearable Non-Contact Device for Intraocular Pressure Monitoring	Online
617	Epigenetic Modifications in MC1R, SLC24A5, and FOXL2 Genes for Phenotypic Trait Engineering	Online
625	AI-Powered Student Recruitment: Intelligent Resume Parsing, Semantic Matching, and Predictive Hiring with SkillTract	Online
626	TrustLens-AI: A Multidimensional Analytical Framework for Measuring Public Trust in AI-Generated News	Offline
631	Digitization and OTT Platforms in Hindi Cinema: A Survey of Trends, Thematic Shifts, and Representation Metrics	Offline
649	An Analytical Study on the Gender Digital Divide with Reference to Women's Digital Literacy	Offline

Day 1, Friday (31/10/2025)

Session S13 (3:30 PM-4:30 PM)

Venue: FET Auditorium

Special Session 1: Digital Humanities: Tools and Applications for a Sustainable Future

Google Meet Link: <https://meet.google.com/syz-rxcc-avs>

Paper ID	Paper Title	Mode of Presentation
635	Analysing Social Media as a Digital Tool for Inclusive Higher Education in India	Offline
637	Engaging the Digital Spectator: Immersive Storytelling in the Indian Cinematic Context	Offline
641	Dynamic Inter-VLAN Routing using Layer 3 Switch: A Practical Simulation	Offline
643	AI and Human Collaboration in Media: Preparing Media Professionals for AI-Integrated Workplaces	Offline
669	A perspective towards the evolution of Audience Value in the era of Information flood: A study explaining News and its Values in Today's Time	Online
679	AquaGuard: A cGAN-Augmented Ensemble Learning Framework for Robust Anomaly Detection in IoT-Based Water Quality Monitoring	Online
680	An Edge-Assisted Architecture for Context-Aware Matching in Real-Time Goods Transportation Systems	Online
683	Smart Assistive Systems for the Visually Impaired: A Comprehensive Survey	Online
638	Predictive Modeling of Viewer Migration: Analyzing the shift from Theatres to OTT Platforms in Urban India Using Decision Trees	Offline
640	An Assessment of Audio Podcasting Reach and Popularity among Youth in Delhi	Offline
650	AI-Driven Research Practices in Indian Academia: Adoption, Challenges, and Opportunities	Offline
639	A Comparative Assessment of Data Privacy Standards in AI Personalization of Media Platforms	Offline



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Day 1, Friday (31/10/2025)

Session S14 (4:45 PM-5:45 PM)

Venue: FET Auditorium

Special Session 1: Digital Humanities: Tools and Applications for a Sustainable Future

Google Meet Link: <https://meet.google.com/syz-rxcc-avs>

Paper ID	Paper Title	Mode of Presentation
668	AI in the Newsroom: Disruptor or Assistant? A Critical Study on the Future of Human Journalism	Offline
682	An Analysis of Employee Engagement in IT Enterprises in Digital India: A SEM Based-Approach	Offline
693	MD3:Multimodal Driver Drowsiness Detection Framework	Offline
724	A Mobile App For Easy Connection Between Natural Waste Processor And Industries	Online
749	An Interdisciplinary Framework for Monitoring and Public Engagement at the Big Solar Furnace of Parkent	Online
761	Impact of Social Media on Consumer Decision Process Regarding Purchasing of Organic Cosmetics in West Delhi	Offline
658	A Data-Driven Civic Communication Model for Air Quality Governance in Smart Cities Using IoT Sensor Technologies	Offline
775	A Comprehensive Review of Microsoft Semantic Kernel: Architecture, Capabilities, and Research Directions	Offline
790	Disaster Management in the Digital Age: A Study on the Use of Digital Media During Delhi's 2023 Yamuna Flood	Offline
654	A Continuing Analysis Of Challenges in Imparting Quality Media Education in Govt. and Private Media Institutions Across Delhi-NCR	Offline
659	Towards Sustainable Menstrual Hygiene: A Biodegradable and Eco-Friendly Waste Disposal System for Menstrual Waste	Offline
786	AI-Generated Content on Social Networking Sites: Reviewing Trust and Authenticity of the Users	Offline
769	AgroVision – Crop Disease Detection and Yield Forecasting System	Offline
482	Causal Analysis and Mapping of Urban Traffic Congestion using Geosocial Analytics	Offline



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025) Presentation Schedule

Day 2, Saturday (01/11/2025)		
Session S15: 09:30Am-11:00AM		Venue: FET Committee Room (Room No.119)
Track 4: Robotics and Automation		
Google Meet Link: https://meet.google.com/rps-wqda-itv		
Paper ID	Paper Title	Mode of Presentation
476	Intelligent Orthopedic Diagnosis: A Machine Learning Approach for Biomechanical Data Classification	Online
762	Adaptive Evaluation of Classical and PSO-Augmented Path Planning Algorithms Across Varying Obstacle Densities for AGVs.	Offline
534	Design and Implementation of Smart Solar Tracker	Online
287	Haptics Enabled Virtual Reality Training System for Nuclear Reprocessing Plants	Offline
69	Integrating Gen-AI with RAG for Automating SDG Mapping from Sustainability Report of Organisations	Offline
181	Malware Crypto-Jacking Attack and Algorithm Analysis in Blockchain Learning Network	*

Day 2, Saturday (01/11/2025)		
Session S16: 09:30Am-11:00AM		Venue: Room No: 105
Track 6: Sensors and Measurement Technology		
Google Meet Link: https://meet.google.com/hqu-iito-eyt		
Paper ID	Paper Title	Mode of Presentation
195	Stylus Length Impact on Measurement Accuracy in CMM: A Static and Experimental Analysis	Offline
119	Wave-Guard Application: A Comprehensive Solution for Coastal Safety with Real- Time Data	Online
168	Clima-shield: An Integrated Framework for Climate Data	Online
174	A Review of Gesture-Based Wireless Pen Interfaces for Human-Computer Interaction: Sensors, Algorithms, and Applications	Offline
59	Prediction: Landslides and Floods Detection using Deep Learning Techniques	*
61	Smart Stroke Prediction and Risk Mitigation System Using Hybrid DL & TL Techniques	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



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Day 2, Saturday (01/11/2025)

Session S17: 09:30Am-11:00AM

Venue: Room 106

Track 7: Electronics & Communication

Google Link: <https://meet.google.com/ggg-grzg-myk>

Paper ID	Paper Title	Mode of Presentation
197	Review on Low Noise Amplifier for High Frequency Applications	Online
225	Dark Pulse for Enhancing High Speed Long-Haul Fiber Optic Communication	Online
248	AI-Driven Sign Language Translation for Real-Time Interaction	Offline
325	ECC Based Lightweight Security Solution in IOT Network: Survey on Authentication Protocol	Offline
326	Frequency-Domain Characterization of BaZrS ₃ Photovoltaic Devices via Impedance Spectroscopy: Influence of Absorber Thickness on Electro-Optical Response	Offline
196	Wideband CMOS LNA Utilizing Transformer-Based Positive Feedback	*

Day 2, Saturday (01/11/2025)

Session S18: 09:30Am-11:00AM

Venue: Apple Lab(Room No 211)

Track 7: Electronics & Communication Systems

Google Meet Link: <https://meet.google.com/qnn-pvpu-wti>

Paper ID	Paper Title	Mode of Presentation
18	Parasitic Effect and Non-Ideal Behaviours of IGBT in The Static Converters	Online
33	Deep Learning-Based Spectrum Sensing for Dynamic Spectrum Access	Online
409	Wireless Network Evolution: Comparative 1G to 6G Study and Vertical Handoff Improvements	Online
144	Delay Optimized Hybrid 4-to-1 DGM-MUX using Novel DGM-OR gate at 180nm	Offline
212	Tissue Engineering: Integrating IoT and Nanotechnology for Tissue Repair and Regeneration	Offline
129	Design and FPGA Realization of an Adaptive Slot Machine with Dynamic Threshold Control	*

Day 2, Saturday (01/11/2025)

Session S19: 09:30Am-11:00AM

Venue: Room 108

Track 8: Computer Technology

Google Meet Link: <https://meet.google.com/cwi-zsbc-wnf>

Paper ID	Paper Title	Mode of Presentation
142	Fake News Detection and Knowledge Verification on Social Media Using Deep Attention Networks	Online
472	Skin Cancer Detection and Classification using Dermoscopic imaging with deep learning analysis	Online
491	Lung Cancer detection and classification using deep learning methods: a comparative study	Online
328	Improvised Sentiment Analysis on Twitter Data	Offline
107	AI and NLP in Social Good: Enhancing Disaster Response and Crisis Management with Text Analytics	*
275	Comparative Analysis of the Effect of Merging Layers on Vision Transformers and Convolutional Neural Networks	Offline

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

Session S20: 9:30 AM-11:30 AM

Venue: Room

109

Track 8: Computer Technology

Google Meet Link: <https://meet.google.com/vyb-zjyb-fme>

Paper ID	Paper Title	Mode of Presentation
155	Neural Network-Based Acoustic Detection of Red Palm Weevil Infestation in Coconut Trees	Online
316	Shattered Aspirations in the Age of AI: Investigating the Impact of the Glass Ceiling on the Mental Health of Working Women	Online
320	Robust Head Pose Estimation Using 468 MediaPipe Landmarks: A Comparative Study of CNN and XGBoost Regression	Online
372	Advanced Database Testing and Verification: Methodologies, Vulnerability Analysis, and Automated Methods of Testing Modern Database Backends	Online
115	Natural Language Processing for Automated Customer Service in Banking	*
286	A Multi-Feature Fusion Pipeline for Robust Face Verification in Security and Surveillance Systems	Offline

Day 2, Saturday (01/11/2025)

Session S21: 9:30 AM-11:30 AM

Venue: Computer Engg. Seminar (Room No 206)

Track 8: Computer Technology (AI& ML)

Google Meet Link: <https://meet.google.com/hve-yekq-kag>

Paper ID	Paper Title	Mode of Presentation
711	Enhancing Cybersecurity in Connected and Autonomous Vehicles: A CatBoost-Based Ensemble Framework for Multi-Class Threat Detection	Online
713	Applying Vision–Language Models for Intelligent Multimodal Surveillance and Crime Detection	Offline
542	Deep Learning Approaches for Sentiment Analysis: Comparative Insights into Sequential, Convolutional, and Transformer Architectures	Online
471	Transformation, Analysis, and Storage of Real-Time Stock Data: An Edge Computing Approach	Online
648	Blockchain-Enabled Academic Assessment for Secure, Scalable, and Tokenized Evaluation on Ethereum and Polygon	Online
562	CARVIS: End-to-End Deep Learning Framework for Intelligent Car Assistance	Online

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

**Session S22: 9:30 AM-11:30 AM
No.119)**

Venue: Smart Grid RTDS Lab (Room

Track 8: Computer Technology (AI& ML)

Google Meet Link: <https://meet.google.com/fbx-kifo-aav>

Paper ID	Paper Title	Mode of Presentation
795	Context-Aware and Behavior-Driven Authentication System Using AI and Machine Learning	Online
83	A Web-Integrated AI Model for Food Recognition and Multi-Stage Health Estimation	Online
719	Offensive Youtube Comment Classification using Deep Learning	Offline
733	From Feedback to Insights: Analyzing User Reviews of BRPL Power Utility App	Offline
576	Explainable AI (XAI) Techniques in Sentiment Analysis – A Systematic Review	Offline
622	Intelligent Code Review and Bug Prediction: Leveraging AI for Automated Software Quality Assurance	*

Day 2, Saturday (01/11/2025)

Session S23: 9:30 AM-11:30 AM

Venue: EED Seminar Room (Room No 125)

Track 8: Computer Technology (Computer Vision)

Google Meet Link: <https://meet.google.com/bkm-koqt-ooe>

Paper ID	Paper Title	Mode of Presentation
153	Smart Surveillance for Coconut Tree Health:YOLOv11 Nano-Based Detection of Red Palm Weevil	Online
202	Automatic Diabetic Retinopathy Identification and Grading in Retinal Fundus Pictures	Online
371	Fish-Doc: A Novel Smart Fish Disease Detection and Monitoring System	Online
581	Neural Tribunal: Adjudicating Pretrained Architectures for Tumor Cognition on Brain MRI	Online
590	Real-Time Vehicle Detection and Counting Using YOLOv8: Techniques, Challenges, and Evaluation	Online
722	Windows Based Ransomware Detection	Online
219	Domain-Adaptive One-Shot Target Presence Detection	Offline

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



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Day 2, Saturday (01/11/2025)

Session S24: 9:30 AM-11:30 AM

Venue: Smart Classroom (Room. No. 119)

Track 8: Computer Technology (Computer Vision)

Google Meet Link: <https://meet.google.com/agn-syau-ttd>

Paper ID	Paper Title	Mode of Presentation
387	Role Of AI In Breast Cancer Detection by Using CNN Model	Offline
82	Medaug-net Powered Hybrid CNN-SVM: A Robust Model for Capsule Endoscopy Image Classification	Online
148	Enhanced Intrusion Detection in Sdn Using Ensemble Learning and Hybrid Feature Optimization	Online
154	Early Detection and Risk Stratification of Breast Cancer Using Machine Learning Techniques	Online
157	Nature-inspired Optimization of Kolmogorov-arnold Networks	Online
215	Identification Of Oils by Ars and Ecoc-svm Classifier Framework	Online
228	Wavelet-based Terrain Generation: Optimizing Ray Tracing Performance in a Games	Online

Day 2, Saturday (01/11/2025)

Session 25 (12:15 PM-1:30 PM)

Venue: FET Committee Room 119

Track 1: Smart Grid Technologies

Google Meet Link: meet.google.com/utn-mijd-dvg

Paper ID	Paper Title	Mode of Presentation
571	Blockchain-Based Peer-to-Peer Power Trading: An Analysis in India	Online
588	Multi-objective based optimal sizing of Battery Energy Storages Systems for reliability improvement and Electricity cost reduction in Microgrids	Online
321	Techno-Economic and Environmental Analysis of Hybrid Renewable Energy-Based EV Charging Infrastructure	Offline
467	Quantum-Enhanced Sensors and Measurement Technologies: A New Paradigm for Precision and Sensitivity	Offline
568	Comparative Analysis of Machine Learning Methods for Electric Vehicle Charging in Smart Grids	Online
481	Integrating Transfer Learning and Deep Feature Fusion for High-Accuracy Osteosarcoma Detection in Medical Image Analysis	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

Session S26 (12:15 PM-1:30 PM)

Venue: Smart Classroom (Room No 119)

Track 2: Power System Operation & Control

Google Meet Link : <https://meet.google.com/piu-uqou-bzd>

Paper ID	Paper Title	Mode of Presentation
688	Hourly Load Forecasting of EV Charging Stations Using ARIMA and LSTM Model	Online
694	Binary Stage-Wise Transformer Fault Diagnosis Using Chemically Weighted DGA and Machine Learning	Offline
589	Energy Efficient Hybrid Power Buy	Online
517	Electricity Theft Detection Using Data-Driven Approach	Offline
565	Impact of Bi ₂ WO ₆ Nanoparticle Dispersion on the Electrical properties of Natural Ester Oils for High Voltage Insulation	Offline
595	Electrical Distribution System Overload Contingency rectification using Particle Swarm Optimization	Offline
619	Performance Analysis of Photovoltaic Arrays Under Various Configurations Based on Partial Shading Effects	Offline

Day 2, Saturday (01/11/2025)

Session S27 (12:15 PM-1:30 PM)

Venue: Smart Grid RTDS Lab (Room No. 119)

Track 3: Control Systems

Google Meet Link: <https://meet.google.com/dzo-dhjh-uck>

Paper ID	Paper Title	Mode of Presentation
427	Hybrid YOLO-CRNN Framework for Real-Time License Plate Detection and Recognition.	Online
477	Design and Control of PI Controller based ZVS Boost Converter.	Online
766	Design and Optimization of a Stand-alone Hybrid Renewable Energy System.	Offline
426	Hybrid Deep Learning Pipeline with Bi-LSTM Attention Autoencoder for Malware Detection	*
442	A Social Network Analysis Approach to Brigading Detection and Prevention on Reddit	*

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Day 2, Saturday (01/11/2025)

Session S28 (12:15 PM-1:30 PM)

Venue: EED Seminar Room (Room No. 125)

Track 4: Robotics and Automation

Google Meet Link: <https://meet.google.com/rps-wqda-itv>

Paper ID	Paper Title	Mode of Presentation
354	A bibliometric study on unskilled and reskilled in the Era of Robotics and Automation	Online
500	Passpotron: An Integrated Framework for Real- Time Passport Authentication Using OCR, Facial Biometrics, and Eye- Blink Liveness Validation	Online
302	AI in Financial Forecasting: Enhancing Portfolio Optimization with Deep Learning	Online
748	Application of Machine Learning for Isomorphic Analysis of Epicyclic Geared Mechanisms	Offline
452	Analysis of Trends and Innovations in Spam Techniques	*
290	Transforming Patient Care Machine Learning and Biomedical Data for Adaptive and Real-Time Healthcare Solutions	*

Day 2, Saturday (01/11/2025)

Session S29 (12:15 PM-1:30 PM)

Venue: Computer Lab (Room No. 124)

Track 5: Power Electronics, Machines & Drives

Google Meet Link: <https://meet.google.com/qrv-finj-wyh>

Paper ID	Paper Title	Mode of Presentation
493	Machine Learning-Based Eddy Current Loss Prediction in Transformer Cores Under PWM Inverter Operation	Online
715	Modeling and simulation of double sided LCC compensation Wireless	Online
744	Converter for Ultra-Fast EV Charging: A Comparative Study of SPS, EPS and DPS Modulation with HIL	Offline
690	The Heat Generation in Eddy Current Brakes: An Impact Analysis	Offline
443	Smart Power Quality Enhancement using Fuzzy Logic-Driven Active Filtering	*
612	Modeling and Performance Evaluation of Sensor-less Switched Reluctance Motor Drives Using Inductance Estimation in MATLAB/Simulink	*

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Day 2, Saturday (01/11/2025)

Session S30 (12:15 PM-1:30 PM)

Venue: Room No. 105

Track 6: Sensors & Measurement Technology

Google Meet Link: <https://meet.google.com/hqu-iito-eyt>

Paper ID	Paper Title	Mode of Presentation
448	Autonomous Drainage Control Systems Enabled by A IoT for Improved Building Infrastructure Efficiency	Online
541	Real-Time Wildlife Intrusion Detection Using YOLOv8 and OpenCV	Online
210	EcoGrow: IoT-Based Smart Plant Monitoring System	Offline
313	3DSPC-ResNet3D: A ResNet- 3D Architecture Tuned by 3DSPC for Precise Hyperspectral Classification	Offline
75	Streamlined CNN-Based Multi-Class Diagnosis of Pulmonary Carcinoma	*
95	Prediction of Accidents by Surveillance and Continuous Monitoring of Road Conditions Using Deep	*

Day 2, Saturday (01/11/2025)

Session S31 (12:15 PM-1:30 PM)

Venue: Room No. 106

Track 7: Electronics & Communication Systems

Google Link: <https://meet.google.com/ggq-qrgz-myk>

Paper ID	Paper Title	Mode of Presentation
417	Fuzzy Reliability Analysis of a Two-Unit Machine Repair System with Imperfect Repairs	Online
546	Developing a Hybrid Multiplier Architecture for an Effective DA-FIR Filter	Online
560	Adaptive Communication Protocols for Manager-Worker Small LLM Multi-Agent Systems in Resource-Constrained Environments	Online
556	PPO-Driven Dynamic Power Allocation for D2D Communication in NOMA	Offline
741	Payload Vision: A Nanosatellite Payload System for Efficient Data Transmission	Offline
760	Selective encryption of medical images using modified chaotic maps and YOLO-Assisted ROI selection	Offline

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



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Day 2, Saturday (01/11/2025)

Session S32 (12:15 PM-1:30 PM)

Venue: Room No. 108

Track 8: Computer Technology (AI&ML)

Google Meet Link: <https://meet.google.com/fbx-kifo-aav>

Paper ID	Paper Title	Mode of Presentation
259	A Multi-Factor Analysis of Gaming Habits and Their Impact on Mental Health, Learning Efficiency, and Behavioral Outcomes in Indian College Students	Online
382	The Role of Artificial Intelligence in Game Design and NPC Behaviour	Online
434	Real-Time Threat Detection in Networks Using Machine Learning: A Predictive Approach to Cybersecurity	Online
217	Intelligent Resume Analysis with Real-Time Multi-Platform Job Matching: A Comprehensive NLP-Driven Recruitment Automation System	Offline
783	4-E evaluation for parabolic trough collector PTC system producing hydrogen.	Offline
778	Advancing Multimodal Sentiment Analysis: Models, Datasets, and Future Directions	*

Day 2, Saturday (01/11/2025)

Session S33 (3:45 PM-5:00 PM)

Venue: EED Seminar Room (Room No. 125)

Track 4: Robotics & Automation

Google Meet Link: <https://meet.google.com/rps-wqda-itv>

Paper ID	Paper Title	Mode of Presentation
566	Threshold Strategies in Swarm Robotics: A Game-Theoretic Approach to Equilibrium in Task Allocation	Online
318	Digital Health Records and E-Governance: Advancing Age-Friendly Healthcare Systems	Offline
35	An Intelligent Task Scheduling Framework In Fog Computing Using Q-Learning	Online
100	Reinforcement Learning Algorithms of Trading Multi-Agent Deep Allies for Adaptive Systems	*
80	HTHTA-ViT++: Edge Optimized Hierarchical Transformer for ECG and Smart-Grid Time- Series	*
301	The Role of Computer Vision in AI-Based Product Recommendation Systems	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

Session S34 (3:45 PM-5:00 PM)

Venue: Room No. 105

Track 6: Sensors & Measurement Technology

Google Meet Link: <https://meet.google.com/hqu-iito-eyt>

Paper ID	Paper Title	Mode of Presentation
569	An IoT Based Smart Home Security System for Smart Buildings	Online
599	Real time vitals monitoring using STM32 Microcontroller	Online
332	A Review of EEG Preprocessing and Feature-Extraction Techniques for Automated	Offline
462	Network Telescope: An emerging Cybersecurity Threat Intelligence Tool	Offline
384	A User -Centric Interactive System for Multi-model Communication Using Face Gestures, Hand Signs and	*
263	Smart AI-Powered Human Posture Detection for Gym Workouts	*

Day 2, Saturday (01/11/2025)

Session S35 (3:45 PM-5:00 PM)

Venue: Room No. 106

Track 7: Electronics & Communication System

Google Link: <https://meet.google.com/ggq-grzg-myk>

Paper ID	Paper Title	Mode of Presentation
578	Comprehensive Review of STAR-RIS-Assisted Vehicular Communications	Online
258	First-Principles Design and Analysis of Cr ₂ O ₃ -Based Anti ferromagnetic Tunnel Junctions (AFMTJs) for Spintronic Applications	Online
16	Soft Switching in the Resonant Buck Converter Systems	Online
514	Learning to Defend: Trust-Based Malicious Behavior Detection Using LSTM in Vehicular Ad Hoc Networks	Offline
614	RetroWraith: A Lightweight OS for Data Recovery and Cloud Sync for Faulty Systems	Offline
702	Enhancing Bus Performance Analysis Using GPS Data : Insights and Recommendations	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



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Day 2, Saturday (01/11/2025)

Session S36 (3:45 PM-5:00 PM)
211)

Venue: Apple Lab(Room No

Track 7: Electronics & Communication System

Google Meet Link: <https://meet.google.com/qnn-pvpu-wti>

Paper ID	Paper Title	Mode of Presentation
600	Enhanced Soil Classification and Moisture Monitoring System using Raspberry Pi 3B+ with IoT Integration	Online
616	Compact and Versatile Mini CNC Plotter for Precise Drawing and Prototyping	Online
587	Intra-version comparative performance analysis of Tesseract on different hardware platforms	Offline
772	Bayesian-Optimized XGBoost for Early Diagnosis of Mild Cognitive Impairment in Alzheimer's Disease	Offline
529	A Novel Area and Energy Efficient Design of 4:1 Multiplexer Based on Ambipolar CNTFETs	Offline
45	Design and Performance Analysis of Underwater Wireless Optical Communication Link for Different Modulation Technique.	*

Day 2, Saturday (01/11/2025)

Session S37 (3:45 PM-5:00 PM)

Venue: Room No. 108

Track 8: Computer Technology

Google Meet Link: <https://meet.google.com/cwi-zsbc-wnf>

Paper ID	Paper Title	Mode of Presentation
120	Predictive Modelling of Global EV Sales Using Different Machine Learning Models	Online
451	Gated Recurrent Unit based Feature Engineering for Malware Classification	Offline
446	Deep Hybrid Feature Extraction with Ensemble Strategies for Tweet Sentiment Analysis	Offline
574	Explainable AI (XAI) Techniques in Healthcare: A Comprehensive Review	Offline
388	AI-Driven Hybrid Stacking Approach for Accurate Thyroid Disease Prediction	*
389	Secure Decentralized IDS in IoT via Federated Blockchain Learning	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

Session S38 (3:45 PM-5:00 PM)

Venue: Room No. 109

Track 8: Computer Technology

Google Meet Link: <https://meet.google.com/vyb-zjyb-fme>

Paper ID	Paper Title	Mode of Presentation
179	Detecting Deepfake Audio: A Hybrid CNN-LSTM Approach Leveraging Spectrogram Analysis	Online
418	Fuzzy Performance Analysis of Machine Systems with Imperfect Service and Spare Unit	Online
455	Adaptive Recommendation Engines for Sparse Interaction Data	*
456	Adaptive System Transition for Cloud-Native Platforms: Iterative Architectural Refinement	*
753	Advances and Open Challenges in Small Object Detection for UAV Imagery: A Deep Learning Perspective	Offline
755	Visual Question Answering for Primary Classroom Engagement	Offline

Day 2, Saturday (01/11/2025)

Session S39 (3:45 PM-5:00 PM)

Venue: Computer Engg. Seminar (Room No 206)

Track 8: Computer Technology (AI & ML)

Google Meet Link: <https://meet.google.com/hve-yekq-kag>

Paper ID	Paper Title	Mode of Presentation
551	AI-Based Malware Analysis And Classification Techniques	Online
567	Simulation-Based Benchmarking of Consensus Algorithms for Scalable Blockchain Networks	Online
743	Exploring Vectorizer–Classifier Interactions in Suicide Text Classification Using Classical Machine Learning	Online
207	The Architecture of AI Agents in Web3: Decentralized Networks to Semi-Autonomous Systems	Offline
244	Machine Learning Driven Evaluation of Obstructive Sleep Apnea Detection using Multimodal Physiological Signals	*
269	Advanced Phishing Detection Using Boosting and Voting-Based Machine Learning Techniques	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

Session S40 (3:45 PM-5:00 PM)

Venue: Smart Grid RTDS Lab (Room No. 119)

Track 8: Computer Technology (AI & ML)

Google Meet Link: <https://meet.google.com/fbx-kifo-aav>

Paper ID	Paper Title	Mode of Presentation
572	Integrating AI and Human-in-the-Loop feedback for enhanced Cyber Défense and Cryptanalysis	Offline
559	Logistic Regression based Meta-model using SVM and Light GBM for Breast Cancer Prediction	Online
618	Enhancing Missing Data Recovery via Statistical-Deep Learning Hybridization	Online
645	The Executive Copilot: Investigating the Impact of Generative AI Assistants on Strategic Decision-Making, Leadership Efficiency, and Managerial Creativity	Online
399	Context-Based Query Rewriting & Answering Using a Large Language Model (LLM)	*
402	Enhancing Cloud API Security Using Artificial Intelligence for Adaptive Threat Monitoring	*

Day 2, Saturday (01/11/2025)

Session S41 (3:45 PM-5:00 PM)

Venue: FET Committee (Room No. 119)

Track 8: Computer Technology (Computer Vision)

Google Meet Link: <https://meet.google.com/bkm-koqt-ooe>

Paper ID	Paper Title	Mode of Presentation
754	Comparative Analysis of Deep Learning Architectures for Brain Tumor Classification Using MRI	Online
10	ECG Anomaly Detection Using Machine Learning: Comparative Analysis	*
34	Analysis of Multiple Techniques for Real-time Sign Language Translation	Online
161	Brain Tumour Detection Using DenseNet121: Exploring the Role of Data Augmentation and Test-Time Augmentation	Offline
726	Precision Diagnostics in Prostate Cancer: The Role of AI and Advanced Imaging	Offline
213	A Comparative Analysis of Machine Learning and CNN- GNU Models for Early Detection of Breast Cancer	Online
108	Cybersecurity in 5G Networks: Challenges and Solutions for Securing the Next Generation of Wireless Communication	Online

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 2, Saturday (01/11/2025)

Session S42 (3:45 PM-5:00 PM)

Venue: Smart Classroom (Room No. 119)

Track 8: Computer Technology (Computer Vision)

Google Meet Link: <https://meet.google.com/agn-syau-ttd>

Paper ID	Paper Title	Mode of Presentation
352	A Systematic Review of Deep Learning Techniques for Mango Leaf Disease Detection and Classification	Online
298	A Novel Deep Learning Framework for High-Gamma EEG Signal Classification Using Hybrid Compact-CNN-LSTM Network	Online
365	Yoga Recommendation System: A Desktop-centric GUI for Yoga Pose Detection and Health Benefit Mapping using allMiniLM-L6-v2 Embeddings	Online
788	Role of Sampling Frequency in BiLSTM-Driven ECG Heart Disease Diagnosis	Online
665	Hybrid CEEMDAN–Bi-LSTM–XG-Boost Framework for AQI Prediction	Offline
310	Emotion Recognition using Electroencephalogram Signals	Offline



4th IEEE DELCON 2025

Day 3, Sunday (02/11/2025) Presentation Schedule

Day 3, Sunday (02/11/2025)		
Session S43 (09:00 AM-11:30 PM)		Venue: Smart Grid RTDS Lab (Room No. 119)
Track 1: Smart Grid Technologies		
Google Meet Link: meet.google.com/utn-mijd-dvg		
Paper ID	Paper Title	Mode of Presentation
653	Improving Healthcare Outcomes with Explainable Machine Learning for Early Epileptic Seizure Detection Using EEG Signals	Online
716	Securing the Industrial Internet of Things: A Mutual Information and XGBoost-Based Approach	Online
732	Comprehensive Fault Analysis in Transmission Lines Using Artificial Intelligence	Online
496	Sustainability Analysis of Grid-Connected Rooftop Solar PV System: A Case Study	Offline
577	Machine Learning-Based Optimization of Battery Charging Profiles: A Multi-Objective Framework for SOC Stability, Thermal Safety, and Cost Reduction	Offline
580	Edge-Cloud Multi-Agent Framework for Real-Time Thermal Runaway Prevention in Lithium Iron Phosphate Batteries Using Lightweight Deep Models	Offline

Day 3, Sunday (02/11/2025)		
Session S44 (09:30 AM-11:30 AM)		Venue: FET Committee Room (Room No. 119)
Track 2: Power System Operation & Control		
Google Meet Link : https://meet.google.com/piu-uqou-bzd		
Paper ID	Paper Title	Mode of Presentation
671	Hybrid Forecasting and Optimization Approach for EV Charging Stations Using ARIMA-LSTM and MILP with TOU Pricing	Online
92	Optimal Power Flow In Power System Network Using Sectary Bird	*
698	From smart charging to impact on power grid: A review of infrastructure and Challenges	Offline
735	An approach for EV charging stations load forecasting	Offline
737	Investigation of composite ESS with hybrid controller for restructured AGC system	Offline
792	Energy Management of Grid Connected Renewable Energy Sources based Microgrid using Grey Wolf	Offline

Day 3, Sunday (02/11/2025)		
Session S45 (09:30 AM-11:30 AM)		Venue: Smart Classroom (Room No. 119)
Track 3: Control Systems		
Google Meet Link: https://meet.google.com/dzo-dhjh-uck		
Paper ID	Paper Title	Mode of Presentation
233	Chronicle Connect: An AI-Driven Educational Platform for Real-Time Student- Teacher Collaboration and Resource Sharing.	Online
708	Optimal Sizing of Battery Energy Storage Systems for Generation based Economic	Online
691	Eddy Current Brake Design: An Axial Type Technique.	Offline
489	Non-Invasive Blood Pressure and Heart Rate Estimation Using Remote Photoplethysmography and Machine Learning Models	*
504	Comprehensive Transportation and Tourism Platform with Conversational AI, Automotive Recognition, Climate Information, and Complete Web Stack	*
507	Traffic signal optimization using Proximal Policy Optimization with Unity simulator: a Reinforcement Learning approach	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 3, Sunday (02/11/2025)

Session S46 (09:30 AM-11:30 AM)

Venue: EED Seminar Room 125

Track 4: Robotics and Automation

Google Meet Link: <https://meet.google.com/rps-wqda-itv>

Paper ID	Paper Title	Mode of Presentation
224	Design and development of an AGV with Multi-Sensor Fusion for autonomous navigation	Online
294	AI-Driven Consumer Behavior Analysis: Predicting Purchase Patterns Using Machine Learning	Online
549	ML driven adaptive resource allocation for high performance ultra fence WDM based hybrid FSO network	Online
124	Automated Data Retrieval from CSV and Google Sheets Using Intelligent AI and Adaptive Prompt-Based Querying	*
131	Optimizing Computational Efficiency: Design and Analysis of Algorithms in Modern Applications	*
308	The Relationship of Core Self-Evaluation and Organisation's Internal CSR on Happiness at Work Place	*

Day 3, Sunday (02/11/2025)

Session S47 (09:30 AM-11:30 AM)

Venue: Room No Computer Lab (Room No. 125)

Track 5: Power Electronics, Machines & Drives

Google Meet Link: <https://meet.google.com/qrv-finj-wyjh>

Paper ID	Paper Title	Mode of Presentation
657	Integrated Solar-Driven LCC-S Compensated Wireless Power Transfer System with High-Gain Boost Converter for Electric Vehicle	Online
734	Simulation of Vehicle-to-Grid (V2G) and Grid-to-Vehicle (G2V) Converter	Online
229	Grid Connected Micro Grid Control with Distributed Generation and Energy Storage Integration	Online
273	Agrivoltaics: A Review of Systems, Performance and Future Directions	Offline
785	Design and Implementation of Active Cell Balancing for the Lead Acid Batteries	*
410	Efficient Three-Level CLLC Converter for DC Microgrid-Based EV Charging	*

Day 3, Sunday (02/11/2025)

Session S48 (09:30 AM-11:30 AM)

Venue: Room No 105

Track 6: Sensors and Measurement Technology

Google Meet Link: <https://meet.google.com/hqu-iito-eyt>

Paper ID	Paper Title	Mode of Presentation
540	Effect of pressure on damping for a novel vertical sense mass MEMS gyroscope	Offline
681	An Intelligent Home Security System Using IoT and Deep Learning	Online
687	Enhanced Alert System: ADAS Based Driver Drowsiness Detection	Offline
569	An IoT Based Smart Home Security System for Smart Buildings	Online
583	Aging Behavior of Transformer Oil: A Comparative Experimental Investigation Between Accelerated and Real-Time Aging	Offline
480	Crop Recommendation and Yield prediction Using Ensemble machine learning techniques	Online

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 3, Sunday (02/11/2025)

Session S49 (09:30 AM-11:30 AM)

Venue: Room No 106

Track 7: Electronics & Communication

Google Link: <https://meet.google.com/ggq-qrgz-myk>

Paper ID	Paper Title	Mode of Presentation
666	Enhanced Queen Bee Presence Detection Using Gammatone Frequency Cepstral Coefficients and Machine Learning Techniques	Online
738	Approximate Computing-Based VLSI Architecture for Optimized 2D FIR Filter Implementation	Online
739	FPGA and ASIC Realization of a Saturation-Driven Image Dehazing Technique	Online
804	Stakeholder Perspectives on India's National e-Sanjeevani Telehealth Platform	Online
810	A Review on Compact Circular Polarized Microstrip Patch Antenna For 6G Application	Offline
314	AI-Driven Speech-to-Text Systems for Enhanced Accessibility in the Hearing-Impaired Community	Offline
723	Hybrid Deep Learning Model to Enhance Intrusion Detection Systems in PySpark Big Data Framework	Offline
704	Hybrid Optimized Prediction of COPD Using Enhanced Grey Wolf Optimizer and Pyramidal Dilation Network	Online
518	A High-PSR, Ultra-Low Quiescent Current, Capless LDO Regulator Using a Self-Biased Recycling Folded-Cascode Error Amplifier in 90 nm CMOS	Offline

Day 3, Sunday (02/11/2025)

Session S50 (09:30 AM-11:30 AM)

Venue: Apple Lab (Room No. 211)

Track 8: Computer Technology

Google Meet Link: <https://meet.google.com/cwi-zsbc-wnf>

Paper ID	Paper Title	Mode of Presentation
381	Toward Hybrid LLM-Assisted Vulnerability Detection for Continuous Integration: A Bias-Free Framework with Context-Rich Dataset	Online
416	Machine Learning-Powered Cyber attack Detection	Online
232	Transcriptomic Signatures and Pathway Perturbations in Wilson Disease Liver Tissue	Offline
552	Phishing Detection: A Comprehensive Survey of Methods and Trends	Online
245	The Role of Artificial Intelligence in Transforming the Insurance Industry	*
246	LIVEVISION Aid: A Real-Time Visual Scene Interpretation and Audio Feedback System for the Visually Impaired	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.



4th IEEE DELCON 2025

Day 3, Sunday (02/11/2025)

Session S51 (09:30 AM-11:30 AM)

Venue: Room No 108

Track 8: Computer Technology (AI & ML)

Google Meet Link: <https://meet.google.com/fbx-kifo-aav>

Paper ID	Paper Title	Mode of Presentation
714	Securing the Future of Transportation: A High-Performance Ensemble Machine Learning Model for Intrusion Detection	Online
784	Threats and Countermeasures in Smart Healthcare Edge Computing Systems: A Layer Wise STRIDE-Based Approach	Offline
675	Detecting Fake Reviews on E-Commerce Platforms using NLP and Machine Learning	Online
550	A Nature-Inspired Optimization Framework for Enhanced Intrusion Detection Using Multiple Machine Learning Models	Online
385	A Variant of Simpson's Technique for Accelerated Third Order of Convergence	Offline
586	Machine Learning-Based Brain Tumor Classification Using ACCF and BPPF Features with Linear Regression, Naïve Bayes, and Additive Regression	*
515	Design and Implementation of a Trust-Based Peer-to-Peer Lending Platform for Hyperlocal Academic Communities	*

Day 3, Sunday (02/11/2025)

Session S52 (09:30 AM-11:30 AM)

Venue: Room No 109

Track 8: Computer Technology (Computer Vision)

Google Meet Link: <https://meet.google.com/bkm-koqt-ooo>

Paper ID	Paper Title	Mode of Presentation
337	Comparative analysis of CNN architectures with transfer learning for diagnosis of Polycystic Ovary Syndrome using Ultrasound Data	Online
411	Developing an efficient under water object detection using yolo	Online
520	Balancing Efficiency and Accuracy in Image Classification Using CNNs	Online
355	Comprehensive analysis of novel and distinctive approaches used for early detection of oral cancer	Offline
364	A Comprehensive Survey of Early Skin Disease Detection using Machine Learning Models: Insights and Future Directions	*
368	An Innovative Framework on Predicting House Price Using Machine Learning Approaches	*

* The paper will be presented and considered for publication in IEEE Xplore only after the registration is complete.