



# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-1 (2:00 PM- 4:45 PM), 4<sup>th</sup> MARCH 2025

### Track 1

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	38	A Survey on the pixel based image segmentation techniques with the intent of optimization of system throughput in the field of automation systems	Ayesha Anjum
2:15 PM-2:30 PM	43	Analysis of Isotonic Calibration on Gaussian Naïve Bayes performance for Guitar Chords Classification	Dr Swati Sharma
2:30 PM-2:45 PM	49	Sentiment Analysis of Farmer Reviews on Pesticides for Disease Management	Yaswanth Mallimpalli
2:45 PM-3:00 PM	61	Mental Health Well-Being Assessment and Surveillance Mobile App	Atiya Khan
3:00 PM-3:15 PM	96	Enabling Inclusive Communication: A Sign Language Chatbot for Diverse Audiences	Mithun P
3:15 PM-3:30 PM	119	Deep Learning Models for Predictive Stability in Renewable Energy	Banka. Sujatha
3:30 PM-3:45 PM	130	Advanced Learning Platform Integrating AR/VR, AI and Voice Command Technologies for Innovative Educational Experiences	Sandeep Chouhan
3:45 PM-4:00 PM	133	Applying Machine Learning Approaches in Fertilizer Optimization and Yield Prediction for Smart Agriculture	Ramandeep Sandhu
4:00 PM-4:15 PM	155	Consumer Behavior Trends - The Influence of Social Media Marketing on Brand Loyalty Among Millennials	Manimegalai V
4:15 PM-4:30 PM	156	Exploring The Role of Artificial Intelligence in Enhancing Talent Acquisition and Employee Retention Strategies	Tamilselvan P
4:30 PM-4:45 PM	1549	Leveraging Artificial Intelligence for Ergonomic Assessments: An Approach to Workplace Safety and Optimization	Anil Kumar Chaudhary



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### Track 2

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	161	The Role Of Behavioral Finance In Investment Decision-Making using Machine Learning - Understanding The Psychology Behind Stock Market Trends	Kalaivani E
2:15 PM-2:30 PM	163	The Impact of Remote Work on Employee Engagement and Organizational Culture in The Post-Pandemic Computational Perspective	Vijay C R
2:30 PM-2:45 PM	164	COMPARATIVE STUDY OF DEEP AND MACHINE LEARNING MODELS IN KNEE OSTEOARTHRITIS DETECTION	Vaidhi Kapoor
2:45 PM-3:00 PM	166	Analyzing the Effect of Eco-Friendly Branding on Consumer Purchasing Decisions on Sustainability in Marketing using Data Analytics	Mageswaran J
3:00 PM-3:15 PM	172	Study on Optimized Hardware Design for High Speed and Noise Resilient Bio Signal Transmission Using Chaotic Memristor-Capacitor Integrated Cryptosystem with RealTime Alarm System	Hemavathy S
3:15 PM-3:30 PM	178	Real-Time Sentiment Analytics: Integrating NLP for Social media Insight	Salman Latheef T A
3:30 PM-3:45 PM	185	AI based Smart Resource Sharing and Donation System for Hospitality and Charities	Ashibha S
3:45 PM-4:00 PM	199	Predicting Solar Power Based on Machine Learning Approaches and Their Efficacy	Muthuvel Raj Suyambu
4:00 PM-4:15 PM	217	Real-Time Language Translation Using IoT Technology	Latika Pinjarkar
4:15 PM-4:30 PM	218	MOVIE RECOMMENDATION SYSTEM USING HYBRID BASED METHOD	Latika Pinjarkar



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## Technical Paper Presentation Schedule (OFFLINE)

Day-1 (2:00 PM- 4:30 PM), 4<sup>th</sup> MARCH 2025

### Track 3

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	259	Towards Precision Cardiovascular Medicine - A Novel Framework for Risk Prediction Using Multi-Omics and Imaging Data	S Lalitha
2:15 PM-2:30 PM	303	Arduino-Based Solar Panel Cleaning System for Renewable Energy Optimization	Dr Parul Dubey
2:30 PM-2:45 PM	314	Unified Disease Prediction System using Machine Learning Techniques	Shalini Verma
2:45 PM-3:00 PM	316	Enhancing Customer Retention: A Federated Machine Learning Framework for Banking Churn Prediction	Vanitha M
3:00 PM-3:15 PM	317	Advanced Machine Learning Approaches for Fastag Fraud Detection	Sunil Kumar
3:15 PM-3:30 PM	330	Hybrid CNN-RNN Models for Multimodal Analysis of Autism Spectrum Disorder Neuroimaging	RAJAT KISHOR VARSHNEY
3:30 PM-3:45 PM	336	Stacking-Based Transfer Learning for Optimized Employee Management and Retention in HR Systems	Dr.K. Krishna Rao
3:45 PM-4:00 PM	396	CONSUMER PURCHASE DECISION MAKING OF OMNI-CHANNEL MARKET - A STUDY WITH SPECIAL REFERENCE TO CHENNAI CITY	Dr.M.Kavitha
4:00 PM-4:15 PM	398	IMPACT OF ORGANISATIONAL AGILITY ON CHANGE MANAGEMENT WITH THE MEDIATING EFFECT OF TECHNOLOGICAL ADVANCEMENT IN IT SECTOR	Nisbath Majnoor
4:15 PM-4:30 PM	402	BALANCING TECHNOLOGY WITH PEDAGOGY IN SMART CLASS ROOMS FOR ENGLISH LANGUAGE	Dr. Ragupathi Ramasamy



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## Technical Paper Presentation Schedule (ONLINE)

Day-1 (2:00 PM- 4:30 PM), 4<sup>th</sup> MARCH 2025

### Track 4

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	406	A STUDY ON IMPACT OF SOCIAL MEDIA MARKETING ON FLATS PURCHASE DECISION OF CONSUMERS WITH RESPECT TO REAL ESTATE IN PUDUCHERRY UT	Vinayagam K
2:15 PM-2:30 PM	424	Detection and Prevention from Deepfake Images Videos Using Increasing Frame Method	Dr. Pramod Vishwakarma
2:30 PM-2:45 PM	425	Study of Deep Fake in Images and Videos using Convolutional Neural Network	Dr. Pramod Vishwakarma
2:45 PM-3:00 PM	426	Empirical Study to Select a Place to Stay in NCR Area Using Data Mining and Machine Learning	Dr. Pramod Vishwakarma
3:00 PM-3:15 PM	461	Enhancing Tumor Segmentation in MRI Images Using U-Net Architecture with Attention Mechanism	Kapesh Subhash Raghatate
3:15 PM-3:30 PM	462	Enhancing Sales Forecasting in E-Commerce Through Advanced Predictive Analytics and Deep Neural Networks	Anil P S
3:30 PM-3:45 PM	464	Enhancing Industrial Automation through IIoT-Enabled Cloud Computing and LSTM for Scalable and Real-Time Data Analytics	Selvin Pradeep Kumar S
3:45 PM-4:00 PM	465	Designing Energy-Efficient Embedded Systems with CNNs for Real-Time Control in Autonomous Robotics	Priti Sharma
4:00 PM-4:15 PM	467	Crop Yield Forecasting Using Bidirectional Gated Recurrent Unit (Bi-GRU) Networks	.A.Devendran
4:15 PM-4:30 PM	468	Facial Expression Recognition in Real-Time Surveillance Using CNN and Transfer Learning with ResNet-50	NANDHINI T J



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Track 5

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	469	Automated Fruit Counting with YOLOv5 Model for Harvest Management in Orchards	Dilli Ganesh V
2:15 PM-2:30 PM	472	Adaptive Cybersecurity Framework Utilizing Random Forest and SVM for Real-Time Threat Detection in Cloud Environments	Vasani Vaibhav Prakash
2:30 PM-2:45 PM	473	Harnessing CNN and LSTM Models for Enhanced Predictive Maintenance in Industrial IoT Systems	Balasubramaniam Kumaraswamy
2:45 PM-3:00 PM	474	Histopathological Image Analysis for Cancer Detection Using Inception-v3 and Gradient Boosting	Lalnunthari
3:00 PM-3:15 PM	482	Machine Learning-Enhanced Wireless Communication Protocols for Ultra-Reliable and Low-Latency Applications in Smart Cities	Ankita Tiwari
3:15 PM-3:30 PM	483	Medical Image Denoising Using Deep Convolutional Autoencoders for Ultrasound	Vasani Vaibhav Prakash
3:30 PM-3:45 PM	484	Mining Consumer Behavior Patterns in E-Commerce Using Apriori Algorithm and Sequential Pattern Analysis	Deepika R
3:45 PM-4:00 PM	488	Predicting Pest Infestation Patterns with Graph Convolutional Networks (GCN) in Precision Farming	Prashant Johri
4:00 PM-4:15 PM	490	Real-Time Traffic Sign Detection and Recognition Using Faster R-CNN with VGG16 Backbone	Kapesh Subhash Raghatat
4:15 PM-4:30 PM	501	Utilizing Recurrent Neural Networks for Sentiment Analysis of Financial News to Enhance Market Prediction and Investment Strategies	T. Rajesh Kumar



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Day-1 (2:00 PM- 4:30 PM), 4<sup>th</sup> MARCH 2025

### Track 6

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	503	Real-Time Crop Health Assessment with MobileNet for Agricultural Applications	L. Pattathu Rani
2:15 PM-2:30 PM	505	Soil Moisture Prediction with Temporal Convolutional Networks (TCN) for Precision Irrigation	Rajat Kumar Dwibedi.
2:30 PM-2:45 PM	508	Real-Time Analytics for Big Data in Smart City Applications: Transforming Urban Environments with Data-Driven Insights	Prashant Johri
2:45 PM-3:00 PM	512	Automated X-ray Image Classification for COVID-19 Detection Using DenseNet-121 and SVM	Gaurav Kumar Ameta
3:00 PM-3:15 PM	517	Big Data in Financial Markets: Advanced Risk Assessment and Fraud Detection Frameworks Using RNN	Dhamayanthi Arumugam,
3:15 PM-3:30 PM	519	Big Data Solutions for Predictive Healthcare Analytics: Enhancing Patient Outcomes and Operational Efficiency	Nishi Kant Kumar
3:30 PM-3:45 PM	521	Building Resilient Supply Chains with IoT and Advanced Analytics: A Path to Operational Excellence	Gnanajeyaraman Rajaram
3:45 PM-4:00 PM	524	Enabling Smart Manufacturing through Big Data and IoT Integration: A Paradigm Shift in Industrial Processes	Mohit Shrivastav
4:00 PM-4:15 PM	528	IoT in Smart Homes: Enhancing Lifestyle Through Intelligent Automation and Control	W. Sarada
4:15 PM-4:30 PM	531	Optimizing Retail Operations with Big Data-Driven Insights: From Inventory Management to Personalized Marketing	Prakhar Mittal



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## Technical Paper Presentation Schedule (ONLINE)

Day-1 (2:00 PM- 4:30 PM), 4<sup>th</sup> MARCH 2025

### Track 7

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	552	EMPLOYEE PERCEPTION TOWARDS WORKPLACE ETHICS: A STUDY ON MANUFACTURING INDUSTRIES IN CHENNAI	T S Padmaja
2:15 PM-2:30 PM	553	The Role of AI in Shaping HRM Skills and Strategies in Private Banks: A Study on Manager-Employee Dynamics in Chennai City	Vinayagam K
2:30 PM-2:45 PM	554	Deepfake Detection in Picture	Dr. Pramod Vishwakarma
2:45 PM-3:00 PM	584	Leveraging Artificial Intelligence for Colon Cancer: Trends, Challenges and Innovations	Sakshi Takkar
3:00 PM-3:15 PM	593	A Comprehensive analysis of Blockchain-based Cryptographic framework for Network Security	Vyshnavi A
3:15 PM-3:30 PM	594	Biometric sensors for secure and continuous health tracking in healthcare applications	Noel Prashant Ratchagar
3:30 PM-3:45 PM	597	Towards Reliable and Energy-Efficient Communication Protocols for Wireless Body Area Networks in Medical Applications	Jayaprakash B
3:45 PM-4:00 PM	598	Exploring the Potential of IoT and Sensor-enabled Logistics Management for Supply Chain Optimization	G.Sundari
4:00 PM-4:15 PM	599	Novel Antenna Designs for High Data Rate Body-Centric Communications in Wearable Devices	Ishika Soni
4:15 PM-4:30 PM	601	IoT and Sensor-based Water Quality Monitoring for Sustainable Management of Water Resources	Amritpal Sidhu



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## Technical Paper Presentation Schedule (ONLINE)

Day-1 (2:00 PM- 4:30 PM), 4<sup>th</sup> MARCH 2025

Track 8

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	602	Smart Lighting Systems for Energy Efficiency using IoT and Sensor Technologies	Biswaranjan Swain
2:15 PM-2:30 PM	604	IoT and Sensor-enabled Predictive Maintenance for Industrial Machinery: Analysis of the Manufacturing Sector	Avni Garg
2:30 PM-2:45 PM	605	Integrated Photonic Routing and Switching for Scalable Optical Interconnects	G.RAJALAKSHMI
2:45 PM-3:00 PM	607	Sensor Networks for Real-time Air Quality Monitoring in Smart Cities	Neeraj Das
3:00 PM-3:15 PM	608	Leveraging Machine Learning for Dynamic Resource Allocation in Cloud Automation	Gunveen Ahluwalia
3:15 PM-3:30 PM	1029	A Novel Approach to Brain Tumor Classification Using RNN and CNN Algorithm	Hannah Jessie Rani R
3:30 PM-3:45 PM	610	Applying CNNs for the Early Detection of Bone Malignant Tumors in X-ray Images	Ankit Punia
3:45 PM-4:00 PM	611	Integrating Dynamic Access Control in Hybrid Cloud Environments for Enhanced Security and Load Balancing	Lakshya Swarup
4:00 PM-4:15 PM	612	Human Activity Recognition using Wearable Sensors in IoT Environments: Challenges and Opportunities	B.P. Singh
4:15 PM-4:30 PM	614	Hybridizing a Geothermal Power Plant with Solar Thermal Collectors: A Techno-Economic Feasibility analysis	Bhavuk Samrat





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Day-1 (2:00 PM- 4:30 PM), 4<sup>th</sup> MARCH 2025

### Track 9

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	615	A Green and Secure Model for Fog Computing in Mobile Cloud Environments using Containerization	Bichitrananda Patra
2:15 PM-2:30 PM	616	Time-Series Analysis of Cancer Progression Using LSTM Network	Sheethal
2:30 PM-2:45 PM	904	Link Adaptation Techniques for Massive MIMO Communication Systems	Prativa Das
2:45 PM-3:00 PM	618	Efficient Abstraction of Healthcare Data for Real-Time Decision Making using Logistic Regression and Linear Regression	Abhinav Rathour
3:00 PM-3:15 PM	621	Enabling Interoperability in Heterogeneous IoT Networks through Standardization Protocols	Ashu Katyal
3:15 PM-3:30 PM	622	Optimizing Cost Efficiency in Cloud-Based Automation with DevOps Techniques	Avni Garg
3:30 PM-3:45 PM	639	Blockchain based Supply Chain and User Centric Service Oriented Framework for Healthcare 5.0	BIDYUTMALA SAHA
3:45 PM-4:00 PM	679	Advancements in IoT and Sensor-enabled Wearable Devices for Healthcare Applications	Srijit Chowdhury
4:00 PM-4:15 PM	685	Federated Learning for Protecting Privacy in Big Data Networks	Binod Kumar Pattanayak
4:15 PM-4:30 PM	688	Integrating Blockchain Technology for Secure and Decentralized Network Communication	Manish Nagpal



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Track 10

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	690	Throughput Maximization in Wireless Powered Communication Networks	Mukul Mishra
2:15 PM-2:30 PM	700	Next-Generation Encryption Protocols for Enhanced Data Privacy in Network Communications	M.SUGADEV
2:30 PM-2:45 PM	705	Smart Sports: Enhancing Physical Performance with IoT and Sensor Technologies	Sudhanshu Dev
2:45 PM-3:00 PM	713	Advanced Battery Materials for High Energy Density and Improved Rate Capability in Automotive Applications	Kundan Chandra Patra
3:00 PM-3:15 PM	718	An improved Digital Signal Processing for Signal Enhancement and Interference Mitigation	Intekhab Alam
3:15 PM-3:30 PM	723	Mitigating DDoS Attacks in Software-Defined Networks (SDN) using Machine Learning Techniques	Dibya Ranjan Das Adhikary
3:30 PM-3:45 PM	727	Detecting and Preventing Brute Force Attacks on Mobile Devices using Advanced Encryption Techniques	Ramya G Franklin
3:45 PM-4:00 PM	728	The Role of Blockchain Technology in Enhancing Network Security	Lovish Dhingra
4:00 PM-4:15 PM	735	A Deep Learning-Based Approach for Real-Time Network Intrusion Detection and Prevention	Neeraj Das
4:15 PM-4:30 PM	737	Design and Implementation of a Low-Power Body Area Network for Real-Time Monitoring of Vital Signs	SENTHIL NAYAGAM



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## Technical Paper Presentation Schedule (ONLINE)

Day-2 (9:00 AM- 11:30 AM), 5<sup>th</sup> MARCH 2025

### Track 11

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	744	Energy Harvesting Techniques for Self-Powered Body-Worn Sensors in Wireless Body Area Networks	Bhupendra Ku. Gupta
9:15 AM-9:30 AM	746	Unlocking the Full Potential of Battery Energy Storage Systems in Electric Vehicles	Sankar Kumar Mridha
9:30 AM-9:45 AM	748	Advancements in Wavelength Division Multiplexing for High-Capacity Optical Networks	Nandhitha N M
9:45 AM-10:00 AM	750	Next-Generation Firewalls: Enhancing Network Security with Application-awareness	Noopur Pandey
10:00 AM-10:15 AM	752	Deep Learning-Based Forecasting of Solar Photovoltaic Generation for Microgrid Control	K. Ankith Kumar
10:15 AM-10:30 AM	753	Machine Learning Based Channel Estimation Techniques for 5G Communications	Nagaraj Patil
10:30 AM-10:45 AM	756	Machine Learning Techniques for Intrusion Detection in Software-Defined Networks	Anima Pradhan
10:45 AM-11:00 AM	762	Behavior-based Malware Detection in Enterprise Networks Using Artificial Intelligence	Jatin Khurana
11:00 AM-11:15 AM	768	Enabling Confidentiality in Data Analytics for Outsourced Social Networks	Daljeet Pal Singh
11:15 AM-11:30 AM	769	Sequential Optimization of Healthcare Processes using Reinforcement Learning and Sequential Function Models	Malatesh Akkur



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## Technical Paper Presentation Schedule (ONLINE)

Day-2 (9:00 AM- 11:30 AM), 5<sup>th</sup> MARCH 2025

### Track 12

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	775	Secure Multi-party Computation for Privacy Preservation in Collaborative Networks	GODWIN PREMI.M.S
9:15 AM-9:30 AM	778	Network Coding Techniques for Resource Allocation in Wireless Relay Networks	Lalit Khanna
9:30 AM-9:45 AM	786	Optimized User Scheduling for Full-Duplex Communications in Wireless Networks	Debabrata Roy
9:45 AM-10:00 AM	788	Challenges and Solutions for Securing Cloud-based Virtual Private Networks (VPNs)	Yuvraj Parmar
10:00 AM-10:15 AM	800	Smart Transportation Systems: The Role of IoT and Sensor-based Solutions	Ankita Agarwal
10:15 AM-10:30 AM	801	Game Theory Based Spectrum Sharing Techniques for Cognitive Radio Networks with Multiple Primary Users	Rangaballav Pradhan
10:30 AM-10:45 AM	804	Physical Layer Security Techniques for Wireless Communication Systems	Manish Nagpal
10:45 AM-11:00 AM	806	Design and Implementation of a Low-power Wireless Sensor Network for Environmental Monitoring in IoT Environments	Dushyanth V
11:00 AM-11:15 AM	810	Security and Privacy Challenges in IoT and Sensor Networks: A Review of Current Solutions	V.J.K.Kishore Sonti
11:15 AM-11:30 AM	813	QoE-Based Resource Allocation in Wireless Networks: An analysis	Trpty Agarwal



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## Technical Paper Presentation Schedule (ONLINE)

Day-2 (9:00 AM- 11:30 AM), 5<sup>th</sup> MARCH 2025

Track 13

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	816	IoT and Sensor-enabled Waste Management: Towards Smart and Sustainable Cities	Srikantha H
9:15 AM-9:30 AM	821	Optimizing Indoor Air Quality with IoT and Sensor-based Solutions: A Case Study of Office Buildings	Kanika Seth
9:30 AM-9:45 AM	824	Radio Resource Management for Hybrid Satellite-Terrestrial Network	REVATHY S
9:45 AM-10:00 AM	825	Evaluating the Robustness of RSA Encryption against Sophisticated Cyber Attacks	Prateek Garg
10:00 AM-10:15 AM	831	Spectrum Sensing and Allocation Techniques in Cognitive Radio Networks with Primary User Traffic	Naveen Kumar Rajendran
10:15 AM-10:30 AM	835	Enabling Smart Farming with IoT and Sensor Networks: Case Studies from Developing Countries	Mohan Garg
10:30 AM-10:45 AM	847	Using IoT and Sensor Technology for Precision Agriculture: Opportunities and Challenges	Deepak J
10:45 AM-11:00 AM	848	Multi-Connectivity Techniques in 5G Networks: Performance Analysis and Optimization	Shrestha Tripathy
11:00 AM-11:15 AM	849	Real-time Monitoring of Structural Health with Wireless Sensor Networks in IoT Infrastructure	Bharat Bhushan
11:15 AM-11:30 AM	851	The Impact of Ultra-wideband Sensors in Industrial Automation and Robotics Applications	Pavan Chaudhary



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Day-2 (9:00 AM- 11:30 AM), 5<sup>th</sup> MARCH 2025

### Track 14

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	854	Sensor Fusion Techniques for Accurate Indoor Tracking in IoT-based Smart Environments	S.Krishnakumar
9:15 AM-9:30 AM	857	Enhancing Academic Excellence Using A Data-Driven Approach for NIRF Ranking Improvement of Newly Established IITs	Esakkiammal S
9:30 AM-9:45 AM	863	A Novel Deep Learning framework for Diabetes Detection: DiabetesNet	Gaurav Nayak
9:45 AM-10:00 AM	894	AI-Driven MBA Programs For Personalized Learning And Skill Development For Future Business Leaders	Anitha Kumari D
10:00 AM-10:15 AM	902	Fiber Optic Communication Systems for Next- Generation Smart Cities	Shrinivas Patil
10:15 AM-10:30 AM	903	Integration of Continuous Improvement Approach in Sustainable E-Government Services towards Citizen Satisfaction in Health Sector Development of Conceptual Model	R. Anandhakrishnan
10:30 AM-10:45 AM	617	IOT and Sensor-based Flood Monitoring and Warning Systems for Disaster Management	P. CHITRA
10:45 AM-11:00 AM	905	Optical Cross-Connect Technologies for Flexible Optical Networks	Prateek Aggarwal
11:00 AM-11:15 AM	906	The Role of Flexible Batteries in Enabling Electric Vehicle Adoption	K Bhanu Rekha
11:15 AM-11:30 AM	915	Innovations in Battery Design for Improved Cycle Durability and Flexibility in Automotive Applications	Avni Garg



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Track 15

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	908	Predictive Modeling of Eye Cancer Using Deep Learning Techniques: An analysis	Simran Raj
9:15 AM-9:30 AM	911	Machine Learning for Interference Management in Dense Wireless Networks	Anoop Dev
9:30 AM-9:45 AM	913	Intelligent Energy Management System for Microgrids with Energy Storage Integration	Simranjeet Nanda
9:45 AM-10:00 AM	914	An Enhanced SVM Model for Eye Cancer Diagnosis Using Image Feature	Lakshmisree Panigrahi
10:00 AM-10:15 AM	907	Real-Time Environmental Monitoring and Control using Cyber-Physical Systems: A Case Study in Agriculture	Dhananjay Kumar Yadav
10:15 AM-10:30 AM	916	Deep Learning-Based Melanoma Detection: A CNN and RNN Hybrid Approach	Dhananjay Kumar Yadav
10:30 AM-10:45 AM	917	The Role of Cyber-Physical Systems in Revolutionizing Transportation: From Connected Cars to Autonomous Vehicles	Anilloy Augustine Frank
10:45 AM-11:00 AM	1376	Hybrid Learning in Medical Imaging: CNN-SVM Applications in Lung Cancer Detection	Anubhav Bhalla
11:00 AM-11:15 AM	919	Non-Orthogonal Multiple Access (NOMA) Techniques for 5G Networks	Dhanasingh B Rathod
11:15 AM-11:30 AM	921	Optimization of SVM Parameters for Accurate Breast Cancer Diagnosis	N. Beemkumar



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### Track 16

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	922	Optimizing Resource Allocation and Load Balancing for Multimedia Applications in Hybrid Clouds	Preeti Naval
9:15 AM-9:30 AM	924	Wearable biosensors for continuous monitoring of cardiovascular health	Adarsha H
9:30 AM-9:45 AM	925	LSTM-CNN Ensemble Methods for Predicting Malignant Brain Tumors	Ayaan Faiz
9:45 AM-10:00 AM	929	Design and Performance Analysis of a Rooftop Solar-Wind Energy System for Residential Buildings	R Thanga Kumar
10:00 AM-10:15 AM	931	Optimizing Battery Energy Efficiency and Power Consumption for Extended Range in Electric Vehicles	Tarang Bhatnagar
10:15 AM-10:30 AM	933	Artificial Intelligence in Banking: Regression Analysis for Credit Risk Prediction	Manisha Chandna
10:30 AM-10:45 AM	939	A Comparative analysis of Regression Algorithms in Lung Cancer Prediction	Prakash Kumar Jha
10:45 AM-11:00 AM	947	Machine Learning Optimization Techniques for Accurate Melanoma Diagnosis	Jaspreet Sidhu
11:00 AM-11:15 AM	952	The Threat Landscape of Ransomware in Critical Infrastructure: An Optimization Perspective	Peer Mohammed Jeelan
11:15 AM-11:30 AM	955	Deep CNN Architectures for Predicting Malignant Bone Tumors from MRI Scans	N Prabhakaran





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### Track 17

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	961	Real-time Indoor Localization using IoT and Sensor Networks for Human Activity Monitoring	V Muthu Ganesh
9:15 AM-9:30 AM	962	Maximizing Renewable Energy Utilization in a Hybrid Grid-Connected PV-Biomass System with Demand Response Strategies	Ankita Thakur
9:30 AM-9:45 AM	964	Opportunistic Spectrum Access Techniques for Cognitive Radio Networks	Ankita Agarwal
9:45 AM-10:00 AM	967	Real-time monitoring of sleep patterns using wearable EEG sensors	Girija Shankar Sahoo
10:00 AM-10:15 AM	974	Revolutionizing Energy Storage Management with Advanced Battery Algorithms	Shubhansh Bansal
10:15 AM-10:30 AM	978	Real-time tracking of physical activity and exercise performance with wearable sensors	Savitha R
10:30 AM-10:45 AM	984	Reinforcement Learning-Based Optimal Power Flow Control in Islanded Microgrids	Ankita Agarwal
10:45 AM-11:00 AM	986	Quality of Service (QoS) Provisioning in Cellular Networks: Issues and Solutions	Sourav Rampal
11:00 AM-11:15 AM	989	Low-cost wearable sensors for continuous measurement of vital signs in resource-limited settings	Jatin Khurana
11:15 AM-11:30 AM	1022	Maximizing Cost and Energy Efficiency in a Hybrid Wind-Solar Energy System	Sukhman Ghumman



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Track 18

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	1024	Optimizing CNN Architectures for Early Detection of Lung Cancer Using CT Images	Swagatika Devi
9:15 AM-9:30 AM	1027	Parallel Selective Meta-Heuristic Algorithms for Real-Time Non-Convex Optimization in Big Data Analytics	Shreya Ghosal
9:30 AM-9:45 AM	1028	Optimal Sizing and Control of a Hybrid PV-Hydrogen System for Off-Grid Applications	Anu Devan
9:45 AM-10:00 AM	609	The Role of Sensors in Autonomous Vehicles and its Impact on Smart Transportation Systems	Aneesh Wunnava
10:00 AM-10:15 AM	1030	Malignant Tumor Classification Using Hybrid CNN-SVM Models in Medical Imaging	Simran Kalra
10:15 AM-10:30 AM	1031	Unleashing the Potential of Battery Algorithms for Optimal Performance in Electric Vehicles	Ashwini B
10:30 AM-10:45 AM	1033	Hybrid Ant-Bee Colony Algorithm for Signal Representation in Real-Time AI Applications	Ruby
10:45 AM-11:00 AM	1034	Integrating Regression Models and Deep Learning for Lung Cancer Risk Prediction	Divya Sharma
11:00 AM-11:15 AM	1036	Next Generation Energy Storage Solutions for the Automotive Industry	Pavan Chaudhary
11:15 AM-11:30 AM	1039	Hybrid Optical-Electrical Transceiver Architecture for High-Speed Data Communications	Suryakanta Panda



# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-2 (9:00 AM- 11:30 AM), 5<sup>th</sup> MARCH 2025

### Track 19

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	1040	Integrating Electronics for Enhanced Energy Management and Efficiency in Electric Vehicles	Pratibha Sharma
9:15 AM-9:30 AM	1041	Real-Time Object Detection Using Convolutional Neural Networks for Autonomous Vehicles	Premalatha K P
9:30 AM-9:45 AM	1044	The Potential of IoT and Sensor-enabled Drones for Precision Agriculture and Crop Monitoring	Gopalakrishna V Gaonkar
9:45 AM-10:00 AM	1045	Analysis of Convolutional Neural Network Architectures for Image Denoising and Restoration	Mukul Mishra
10:00 AM-10:15 AM	1048	Exploring the Potential of Serverless Architecture for Cloud Automation	REFONAA
10:15 AM-10:30 AM	1063	Deep Learning-Based Speech Enhancement for Robust Speech Recognition in Noisy Environments	Sowmya C S
10:30 AM-10:45 AM	1110	Adaptive Mutation Strategies in Non-Convex Optimization for Big Data Processing	Takveer Singh
10:45 AM-11:00 AM	1111	Cyber-Physical Systems in Disaster Management: Real-Time Data Collection and Analysis for Improved Response	Pavan Chaudhary
11:00 AM-11:15 AM	1112	Meta-Heuristic Approaches to Parallel Processing in Signal Representation and Real-Time Analysis	Harisha Naik N T
11:15 AM-11:30 AM	1115	A Scalable Privacy Preservation Block Chain-Based Method For Smart Healthcare System	Shubhangi Dongre



# AUTOCOM 2025

## Technical Paper Presentation Schedule (**OFFLINE**)

**Day-2 (9:00 AM- 11:30 AM), 5<sup>th</sup> MARCH 2025**

**Track 20**

Time Slot	Paper Id	Paper Title	Corresponding Author
9:00 AM-9:15 AM	1121	Visual Questions Answering: In-Depth Analysis of Method, Datasets, and Emerging Trends	Pooja Singh
9:15 AM-9:30 AM	1126	A Comprehensive Analysis of Hate Speech Detection and Recognition Utilising Advanced Machine Learning Algorithms and Techniques	Dr.Praveen Kumar
9:30 AM-9:45 AM	1152	Early Detection of Nipah Virus Infection Using Convolutional Neural Networks: A Deep Learning Approach	Eshika Jain
9:45 AM-10:00 AM	1153	Cataract Detection Using Transfer Learning on Fundus Images: A Deep Learning Approach for Automated Ophthalmic Diagnosis	Pratham Kaushik
10:00 AM-10:15 AM	1154	Automated Leukemia Detection Using EfficientNetB3: A Robust Deep Learning Approach for Accurate and Efficient Diagnosis	Pratham Kaushik
10:15 AM-10:30 AM	1158	Harnessing EfficientNetB5 for Accurate Skin Disease Classification: A Deep Learning Approach	Pratham Kaushik
10:30 AM-10:45 AM	1160	EfficientNet-Based Cassava Leaf Disease Classification with Advanced Augmentation for Enhanced Accuracy	Eshika Jain
10:45 AM-11:00 AM	1161	Automated Coffee Leaf Disease Detection Using Convolutional Neural Networks: An EfficientNet-Based Approach	Pratham Kaushik
11:00 AM-11:15 AM	1164	Efficient Colon Cancer Detection Using Transfer Learning with EfficientNet: A Deep Learning Approach for Enhanced Diagnostic Accuracy	Eshika Jain
11:15 AM-11:30 AM	1165	Automated Skin Tone Classification Using InceptionV3: Enhancing Accuracy and Inclusivity in Image Recognition	Pratham Kaushik



# AUTOCOM 2025

## Technical Paper Presentation Schedule (OFFLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

### Track 21

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1169	Revolutionizing Malaria Diagnostics with CNNs: Automated Blood Smear Image Classification	Eshika Jain
2:15 PM-2:30 PM	1204	An Intelligent Self-Aware Financial Inclusion System for Digital Society	Bina Kotiyal
2:30 PM-2:45 PM	1211	Identification of Organisational Citizenship Behavior during Virtual Interview : Risk Management using AI Based Deep Neural Network	Rajini.G
2:45 PM-3:00 PM	1218	OPTIMIZING TELEMEDICINE SERVICES FOR RURAL WOMEN: A DECISION TREE-BASED HEAP OPTIMIZER APPROACH FOR PREDICTIVE HEALTHCARE DELIVERY	R KRITHIGA DEVI
3:00 PM-3:15 PM	1221	FractureAI Revolutionizing Bone Fracture Detection with Deep Learning CNNs for Precision Medical Imaging	SUDHA I
3:15 PM-3:30 PM	1225	Data Mining Techniques for Predicting Energy Demand in Smart Grids: Optimizing Consumption and Production	Gajendra Tandan
3:30 PM-3:45 PM	1226	Advanced Bone Fracture Detection Using Hybrid Deep Learning Algorithms and Machine Learning Models for Enhanced Medical Imaging Diagnosis	Nidhi Mishra
3:45 PM-4:00 PM	1228	Harnessing Big Data for Precision Agriculture: Improving Crop Yields and Resource Management	Priti Sharma,
4:00 PM-4:15 PM	1229	Advancing Visual Marketing Strategies through Deep Learning-Based Image Recognition for Improved Customer Engagement and Brand Visibility	Nnadhini T J
4:15 PM-4:30 PM	1230	IoT and 5G Integration: Transforming Real-Time Applications in Smart Industries	Ahilya Dubey



# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 22

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1231	Enhancing the Performance of ResNet50V2 for Rice Leaf Disease Detection Using Squeeze-and-Excitation (SE) Blocks	Chatter Singh
2:15 PM-2:30 PM	1232	BLOCKCHAIN ENHANCED FACTORIZATION MACHINE - DEEP LEARNING BASED LIGHTNING SEARCH ALGORITHM FOR SECURE CLOUD DATA PROCESSING	DR M KAVITHA
2:30 PM-2:45 PM	1233	EMOTIONAL INTELLIGENCE-ENHANCED CONVLSTM-BASED WATER WAVE OPTIMIZATION FOR HEALTHCARE DATA ANALYSIS	ELIZEBATH LIGIA FERNANDEZ
2:45 PM-3:00 PM	1236	Cyber Threat Intelligence Extraction Using Text Mining Techniques for Proactive Security	C.Rohith Bhat
3:00 PM-3:15 PM	1240	Exploring the Transition from 5G to 6G: Advancements in Ultra-Low Latency, High-Speed Connectivity, and AI-Driven Network Optimization	Yalakala Dinesh Kumar
3:15 PM-3:30 PM	1244	Investigating Topology Optimization Techniques for Enhancing Network Performance in Cloud Computing Environments	Ahilya Dubey
3:30 PM-3:45 PM	1246	Object Detection in Autonomous Driving Systems Using YOLOv5 and Kalman Filtering	T. Rajesh Kumar
3:45 PM-4:00 PM	1249	Optimizing Advertising Campaigns through Advanced Deep Learning-Driven Audience Segmentation for Enhanced Targeting and Engagement	Aanandha Saravanan K
4:00 PM-4:15 PM	1273	A study on work life balance among nurses in trivandrum district	Dr sasi kumar
4:15 PM-4:30 PM	1274	WORK-LIFE BALANCE AND ITS IMPACT ON JOB PERFORMANCE: A STUDY WITH SPECIAL REFERENCE TO WOMEN POLICE IN CHENNAI CITY	Dr.M.Kavitha



# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 23

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1275	Hybrid Optimization Algorithms for Accurate Prediction and Classification of Cardiovascular Diseases	Gaurav Kumar
2:15 PM-2:30 PM	1278	Optimizing Wireless Mesh Networks for IoT Using Hybrid Genetic-PSO Algorithm	Lalnunthari
2:30 PM-2:45 PM	1289	Prediction of Welding Distortion Using Autoencoders with Thermal and Stress Data in Deep Learning Framework	Ghorpade Bipin Shivaji
2:45 PM-3:00 PM	1290	Revolutionizing Talent Acquisition in Human Resources with Advanced Deep Learning-Based Resume Screening and Candidate Matching Algorithms	Dilli Ganesh V
3:00 PM-3:15 PM	1295	COMPARATIVE ANALYSIS OF INFERTILITY WOMEN AFFECTED BY STRESS UNDER FUZZY ENVIRONMENT	Sujatha V
3:15 PM-3:30 PM	1303	Dark Patterns Detection on E-Commerce Websites	Gagandeep Kaur
3:30 PM-3:45 PM	1304	Image Captioning-A Comprehensive Encoder-Decoder Approach on Flickr8K	Gagandeep Kaur
3:45 PM-4:00 PM	1379	Automating Knee Osteoarthritis Severity Grading with CNN-Attention Hybrid Models	Savinder Kaur
4:00 PM-4:15 PM	1306	Super-resolution of Satellite Images Using Generative Adversarial Networks (GAN)	F. Rahman
4:15 PM-4:30 PM	1308	Tool Condition Prediction in High-Speed Milling Using Deep Q-Networks (DQN) and Sensor Fusion Data	Dilli Ganesh V



# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 24

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1315	Automated X-ray Image Classification for COVID-19 Detection Using DenseNet-121 and SVM	Rajeev Kumar Bhaskar
2:15 PM-2:30 PM	1317	Data Mining for Fraud Detection in Telecommunications: Detecting Anomalous Behaviors in Real-Time	Nidhi Mishra
2:30 PM-2:45 PM	1318	Improving Public Transport Systems Through Big Data Analytics: A Roadmap for Smarter Mobility Solutions	Gajendra Tandan
2:45 PM-3:00 PM	1322	IoT-Based Smart Agriculture: Real-Time Crop Monitoring and Yield Prediction for Sustainable Farming	Uruj Jaleel
3:00 PM-3:15 PM	1324	Multi-Class Skin Lesion Classification Using EfficientNet-B7 and Ensemble Learning	Palvi Soni
3:15 PM-3:30 PM	1327	Big Data-Driven Customer Experience in E-Commerce: Personalizing User Journeys with Advanced Analytics	Dhablia Dharmesh Kirit
3:30 PM-3:45 PM	1328	Utilizing Transforming Portfolio Management through Automation Using Advanced Deep Reinforcement Learning Algorithms for Optimized Investment Strategies	Prakhar Mittal
3:45 PM-4:00 PM	1340	Deep Learning and Machine Learning Fusion for Sleep Apnea Diagnosis and Classification	Amanveer Singh
4:00 PM-4:15 PM	1369	3D Object Reconstruction from 2D Images Using Variational Autoencoders (VAE)	NANDHINI T J
4:15 PM-4:30 PM	1370	Big Data and Machine Learning for Climate Change Prediction: An Integrated Approach to Environmental Monitoring	Aanandha Saravanan K





# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 25

Time Slot	P.aper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1371	Cutting Force Prediction in Drilling Operations Using Temporal Convolutional Networks (TCN) and Spindle Speed Data	Dilli Ganesh V
2:15 PM-2:30 PM	1372	Big Data for Enhancing Cybersecurity in Enterprise Environments Proactive Threat Detection and Prevention	N.Lavanya Devi
2:30 PM-2:45 PM	1374	Deep Learning Meets Traditional Machine Learning: CNN-SVM Hybrid Models for Parkinson's Diagnosis	Rishabh Bhardwaj
2:45 PM-3:00 PM	1375	Towards Clinical Decision Support: CNN-SVM Models for Kidney Tumor Classification	Anubhav Bhalla
3:00 PM-3:15 PM	918	Analysis of Sensor Technologies for Structural Health Monitoring in Civil Engineering Applications	Trpty Agarwal
3:15 PM-3:30 PM	1377	Multimodal Lung Cancer Diagnosis: Combining CT Image Features with Metadata Using CNN and RF	Savinder Kaur
3:30 PM-3:45 PM	1378	Enhancing CT-Based Lung Cancer Diagnosis with CNN and LSTM Architecture	Savinder Kaur
3:45 PM-4:00 PM	1305	Real-Time Fraud Detection in Financial Transactions Using Support Vector Machines (SVM) and Data Mining Techniques	Ankita Tiwari
4:00 PM-4:15 PM	1382	Hybrid CNN-SVM Approach for Time-Series Activity Recognition Using Wearable Sensors	Savinder Kaur
4:15 PM-4:30 PM	1383	Optimizing Fraud Detection Systems with Sequential Feature Analysis CNN and SVM Classification	Aseem Aneja



# AUTOCOM 2025

## Technical Paper Presentation Schedule (OFFLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 26

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1384	AI-Powered Diagnosis: A CNN-SVM Framework for Identifying COVID-19 in Chest Radiographs	Abhinav Rathour
2:15 PM-2:30 PM	1387	Advanced Waste Classification Using Deep Learning: A Convolutional Neural Networks (CNN) Approach	Vaibhav Matalia
2:30 PM-2:45 PM	1388	Deep Learning in Agriculture: Cotton Leaf Disease Identification Using CNNs	Jaydeep Ratanpara
2:45 PM-3:00 PM	1390	Bearing fault diagnosis using CWT and transfer learning	Nitish Kumar Choudhary
3:00 PM-3:15 PM	1391	Wavelet & transfer learning based prosthetics gestures control	Vidya
3:15 PM-3:30 PM	1392	Transformer fault analysis using ML and DGA	Rakesh Ranjan
3:30 PM-3:45 PM	1394	Epileptic Seizure Prediction: A Comparative Analysis of LSTM and ANN Models	Akansha Gupta
3:45 PM-4:00 PM	1425	Qualitative and Quantitative Perspectives on Video Watermarking Approaches	Dr. Chirag Sharma
4:00 PM-4:15 PM	1431	Leveraging Deep Learning Techniques for Tuberculosis Detection from X-ray Images	Saru Dhir
4:15 PM-4:30 PM	1432	Leveraging Quantum Computing for Multi-Criteria Decision Analysis in Strategic Business Planning	Priti Verma



# AUTOCOM 2025

## Technical Paper Presentation Schedule (OFFLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 27

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1433	Dynamic Knowledge Graphs for Predictive Business Insights: A Fusion of NLP and Graph Neural Networks	Ankur Pandey
2:15 PM-2:30 PM	1434	calable AI Models for Real-Time Ethical Decision-Making in Autonomous Business Operations	Dr. Jagriti Singh
2:30 PM-2:45 PM	1438	Hydrocephalus Classification from MRI Using Learning Vector Quantization-Based Factorization Machine Deep Learning	Uma P
2:45 PM-3:00 PM	1439	Unlocking Scholarly Insights Using Deep Learning-Based Evaluation Method for Research Impact Assessment in Academic Institutions.	Esakkiammal S
3:00 PM-3:15 PM	1442	NPC Behavior in Games Using Unity ML-Agents: A Reinforcement Learning Approach	Gagandeep Kaur
3:15 PM-3:30 PM	1443	AI and its impact on Learning patterns, Creative Quotient (CQ) and Emotional Quotient (EQ) of students: A Correlational study	Shweta Lalwani
3:30 PM-3:45 PM	1446	Fintech Innovation through Incubators: Exploring the Impact of Technology Business Incubators on Financial Technology Ventures	Raminder kaur khattri
3:45 PM-4:00 PM	1449	Advancing Agricultural Sustainability: Machine Learning-Driven Insights for Optimized Crop Yield Forecasting	Chirag Sharma
4:00 PM-4:15 PM	1451	ADVANCED SIGNAL PROCESSING FOR IOT DEVICE COMMUNICATION IN SMART HOMES	N.Jayanthi
4:15 PM-4:30 PM	1453	DEEP LEARNING TECHNIQUES FOR CYBER BULLYING DETECTION IN SOCIAL NETWORKS	Dr V Tamil Selvi



# AUTOCOM 2025

## Technical Paper Presentation Schedule (OFFLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 28

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1455	Optimizing Cross-Border Supply Chains and Customer Satisfaction Using Conditional Decision Trees	NAGABALAN U
2:15 PM-2:30 PM	1456	Enhancing Lung Cancer Detection Using Radial Deep Belief and Particle Swarm Optimization	Lalitha S D
2:30 PM-2:45 PM	1458	Consumer Behavior and Satisfaction Rate in Social Media Purchasing Ads Using Radial Basis Function Networks (RBFNS) Based BAT Algorithm	Sangeetha S
2:45 PM-3:00 PM	1459	Computational Intelligence based Plant Health Management System	Dr N Padmavathi
3:00 PM-3:15 PM	1460	Optimizing Logistics in E-Commerce Using Deep Random Forest for Enhanced User Satisfaction	Sekar S D
3:15 PM-3:30 PM	1462	ENHANCING EMPLOYEE RETENTION WITH AI: PREDICTIVE ANALYTICS AND DECISION SUPPORT SYSTEMS	S. Meenakshi
3:30 PM-3:45 PM	1463	DATA ANALYTICS AND AI FOR IMPROVING EMPLOYEE RETENTION STRATEGIES	S; Meenakshi
3:45 PM-4:00 PM	1466	SCALABLE CLOUD-BASED PLATFORMS FOR IOT APPLICATIONS	S SELVALAKSHMI
4:00 PM-4:15 PM	1472	Robust Signal Processing Approaches for Enhancing Communication Reliability in Ultra-Dense Massive MIMO Networks Facing Fading Challenges	Deepak Upadhyay
4:15 PM-4:30 PM	1475	A Review of Artificial Intelligence in Digital Watermarking Techniques	Chirag Sharma



# AUTOCOM 2025

## Technical Paper Presentation Schedule (ONLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 29

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	1477	Optimizing Brain Tumor Diagnosis Through Hybrid Deep Learning and Multi-Modal Image Integration	Amanveer Singh
2:15 PM-2:30 PM	1479	Spatial-Sequential Analysis for Breast Cancer Diagnosis: Integrating CNN and LSTM Architectures	Saniya Khurana
2:30 PM-2:45 PM	1480	Advancing Brain-Computer Interfaces: A Deep Learning Approach for Enhanced Neural Signal Processing	Deepak Kumar Verma
2:45 PM-3:00 PM	1491	A Robust CNN-LSTM Framework for Sensitive and Specific Brain Tumor Classifications	Danish Kundra
3:00 PM-3:15 PM	1494	Enhancing Sensitivity and Specificity in Diabetic Retinopathy Detection Using CNN-LSTM Models	Rishabh Bhardwaj
3:15 PM-3:30 PM	1505	Deep Learning-Driven Diagnosis CNN-LSTM Models for Accurate Grading of Knee Osteoarthritis	Rishabh Bhardwaj
3:30 PM-3:45 PM	1507	Revolutionizing Diabetic Foot Ulcer Detection with Hybrid CNN-SVM Models: An Accurate and Scalable Approach	Abhinav Rathour
3:45 PM-4:00 PM	1510	Enhancing Precision Agriculture with a CNN-RF Hybrid Model: A Case Study on Sunflower Disease Diagnosis	Aseem Aneja
4:00 PM-4:15 PM	1514	Hybrid Deep Learning and Random Forest-Based EyeSmart Framework for Enhanced Retinal Disease Detection	Abhinav Rathour
4:15 PM-4:30 PM	1515	AI-Enhanced Cardiovascular Diagnostics: Arrhythmia Detection with CNN and SVM	Savinder Kaur



# AUTOCOM 2025

## Technical Paper Presentation Schedule (OFFLINE)

Day-2 (2:00 PM- 4:30 PM), 5<sup>th</sup> MARCH 2025

Track 30

Time Slot	Paper Id	Paper Title	Corresponding Author
2:00 PM-2:15 PM	3	Automated Detection of Tomato Leaf Diseases Using Convolutional Neural Networks	Priyansha Rawat
2:15 PM-2:30 PM	1517	Enhanced ECG Signal Analysis Using Hybrid CNN-LSTM and Augmentation Techniques	Aseem Aneja
2:30 PM-2:45 PM	1522	Explainable AI in Medical Imaging A Hybrid CNN and Random Forest Framework for Brain Tumor Detection	Vinay Kukreja
2:45 PM-3:00 PM	1525	Smart Harvesting with AI: Analyzing Orange Ripeness Using Convolutional Neural Networks and Support Vector Machines	Anubhav Bhalla
3:00 PM-3:15 PM	1526	Automated Serve Shot Classification in Table Tennis Using CNN-LSTM Framework	Aseem Aneja
3:15 PM-3:30 PM	1530	Deep Learning Meets Traditional AI: A Hybrid CNN-RF Model for Accurate and Explainable Skin Lesion Classification	Aseem Aneja
3:30 PM-3:45 PM	1531	Harnessing Deep Learning AI for Brain Tumour Classification Using MRI Images	Saru Dhir
3:45 PM-4:00 PM	1533	A DATA-DRIVEN RETROSPECTIVE ANALYSIS OF CYBERBULLYING USING MACHINE LEARNING ALGORITHMS	Dr.Himani Sivaraman
4:00 PM-4:15 PM	1540	Optimized Detection of Tomato Leaf Diseases via VGG16 Neural Network	Deepak Kumar chohan