**Technical Paper Presentation Schedule (ONLINE / OFFLINE)**
**Day-1 (2:00 PM- 4:45 PM), 4th 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 |

# AUTOCOM-25

Technically Co-sponsored by IEEE UP SECTION (INDIA)

SERB INDIA

Graphic Era Hill University — DEHRADUN CAMPUS

| 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 |

# AUTOCOM-25

Technically Co-sponsored by IEEE UP SECTION (INDIA)

iNSERB DIA

Graphic Era Hill University DEHRADUN CAMPUS

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
| :---: |
| Day-1 (2:00 PM- 4:30 PM), 4th 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 |

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|---|
| Day-1 (2:00 PM- 4:30 PM), 4th 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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**SERB India**

**Graphic Era Hill University DEHRADUN CAMPUS**

| | | |
|---|---|---|
| **Technical Paper Presentation Schedule (ONLINE / OFFLINE)** | | |
| **Day-1 (2:00 PM- 4:30 PM), 4th MARCH 2025** | | |
| **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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| | | |
|---|---|---|
| **Technical Paper Presentation Schedule (ONLINE / OFFLINE)** | | |
| **Day-1 (2:00 PM- 4:30 PM), 4th 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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**SERB INDIA**

**Graphic Era Hill University DEHRADUN CAMPUS**

| 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 |

# AUTOCOM-25

**Technically Co-sponsored by**
**IEEE**
**UP SECTION (INDIA)**

**NSERB DIA**

**Graphic Era Hill University**
**DEHRADUN CAMPUS**

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|:---:|
| Day-1 (2:00 PM- 4:30 PM), 4th 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 |

**AUTOCOM-25**

Technically Co-sponsored by

**IEEE**
UP SECTION (INDIA)

**SERB** DIA

**Graphic Era Hill University**
DEHRADUN CAMPUS

**Technical Paper Presentation Schedule (ONLINE / OFFLINE)**
**Day-1 (2:00 PM- 4:30 PM), 4th 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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|---|
| Day-1 (2:00 PM- 4:30 PM), 4th MARCH 2025 |
| 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 |

# AUTOCOM-25

**Technically Co-sponsored by**
**IEEE**
UP SECTION (INDIA)

**NSERB** DIA

**Graphic Era Hill University**
DEHRADUN CAMPUS

**Technical Paper Presentation Schedule (ONLINE / OFFLINE)**
**Day-2 (9:00 AM- 11:30 AM), 5th 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 |

# AUTOCOM-25

**Technical Paper Presentation Schedule (ONLINE / OFFLINE)**
**Day-2 (9:00 AM- 11:30 AM), 5th 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 | Trapty Agarwal |

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|---|
| Day-2 (9:00 AM- 11:30 AM), 5th 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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| 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 |

# AUTOCOM-25

**Technically Co-sponsored by**
**IEEE UP SECTION (INDIA)**

**Graphic Era Hill University**
**DEHRADUN CAMPUS**

| 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 |

# AUTOCOM-25

Technically Co-sponsored by

**IEEE**
UP SECTION (INDIA)

iNSERB DIA

**Graphic Era**
**Hill University**
DEHRADUN CAMPUS

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|---|
| Day-2 (9:00 AM- 11:30 AM), 5th MARCH 2025 |
| 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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| 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 |

# AUTOCOM-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| 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-25

Technically Co-sponsored by **IEEE** UP SECTION (INDIA) · iNSERB · **Graphic Era Hill University** DEHRADUN CAMPUS

| 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-25

Technically Co-sponsored by
**IEEE**
UP SECTION (INDIA)

NSERB DIA

**Graphic Era Hill University**
DEHRADUN CAMPUS

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|:---:|
| Day-2 (9:00 AM- 11:30 AM), 5th 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-25

Technically Co-sponsored by IEEE UP SECTION (INDIA) · iNSERB INDIA · Graphic Era Hill University DEHRADUN CAMPUS

| 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-25**

Technically Co-sponsored by
**IEEE**
UP SECTION (INDIA)

**NSERB**

**Graphic Era Hill University**
DEHRADUN CAMPUS

**Technical Paper Presentation Schedule (ONLINE / OFFLINE)**
**Day-2 (2:00 PM- 4:30 PM), 5th 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-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**iNSERB DIA**

**Graphic Era Hill University DEHRADUN CAMPUS**

| 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 |

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
| --- |
| Day-2 (2:00 PM- 4:30 PM), 5th 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-25

**Graphic Era Hill University** DEHRADUN CAMPUS

## Technical Paper Presentation Schedule (ONLINE / OFFLINE)
## Day-2 (2:00 PM- 4:30 PM), 5th 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 | Trapty 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-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| 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 |

**Technical Paper Presentation Schedule (ONLINE / OFFLINE)**
**Day-2 (2:00 PM- 4:30 PM), 5th 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-25**

Technically Co-sponsored by
**IEEE**
UP SECTION (INDIA)

**Graphic Era Hill University**
DEHRADUN CAMPUS

| | | **Technical Paper Presentation Schedule (ONLINE / OFFLINE)** | |
|---|---|---|---|
| | | **Day-2 (2:00 PM- 4:30 PM), 5th 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-25

**Technically Co-sponsored by IEEE UP SECTION (INDIA)**

**Graphic Era Hill University DEHRADUN CAMPUS**

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|:---:|
| Day-2 (2:00 PM- 4:30 PM), 5th 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-25

| Technical Paper Presentation Schedule (ONLINE / OFFLINE) |
|---|
| Day-2 (2:00 PM- 4:30 PM), 5th 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 |