4th International Conference on Artificial Intelligence and Applications

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 1 | Track: Evolutionary Algorithms

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Seminar Hall #06

Session Chair (External): Prof. (Dr.) Amit Prakash Singh, Professor, USICT, New Delhi

Session Co-Chairs (Internal): Prof. (Dr.) Koyel Datta Gupta, Dr. Geetika Dhand

Session Coordinators (Internal): Ms. Bhawna (Ph: 9712928268), Dr. Shikha Bhalla (Ph: 9868143102)

S.No.	Paper ID	Paper Title	Authors
1	**1092**	Leveraging Machine Learning Models in sustainability and Business Valuation	Ms. Komal Khatri, Dr. Sushma Malik, Dr. Anamika Rana
2	**1097**	Optimizing Enterprise Performance through AI-Driven Digital Management Systems	H S Abzal Basha, Indla Venkata Shreya, Vivek Veeraiah, Naim Shaikh, Rohit Anand, Ravinder Kaur, Neetu Sehrawat
3	**1098**	Transforming Organizational Decision-Making with Data-Driven Computing Frameworks	H S Abzal Basha, Gorantla Sriya Vardhini, Mamatha G, Naim Shaikh, Shahanawaj Ahamad, Tina Rani, Tripti Rathee
4	**1100**	Strengthening Corporate Agility via Smart Information Systems Architecture	Gitanjali Shrivastava, Veera Talukdar, Vivek Veeraiah, Asfa Ahamad, Ankur Gupta, Tina Rani
5	**1102**	Enabling Sustainable Organizational Growth using Data-Driven Intelligent Resource Planning Systems	A. Pankajam, Gitanjali Shrivastava, Vivek Veeraiah, Mamatha G, Ankur Gupta, Hardeep Kaur
6	**1104**	Reinventing Strategic Leadership through Predictive Analytics Algorithms	H S Abzal Basha, Kedas Manikanth, Veera Talukdar, Naim Shaikh, Shahanawaj Ahamad, Vijesh Chaudhary
7	**1292**	Cold-Start Inventory Replenishment Under Joint Demand and Supply-Yield Uncertainty: Yield-Aware Decision-Focused Meta-Learning	Nitin Kumar Mishra, Preeti Singh
8	**1340**	A Faithfulness Study of KernelSHAP and LIME on Large-Scale Anti-Money Laundering Transactions	Akshatha Srikantha, Manpreet Singh, Rohith Reddy Bellibatlu, Triveni Morla, Amandeep Kaur

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 2 | Track: AI for IoT Applications

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Room No. 210

Session Chair (External): Prof. (Dr.) Anurag Jain, Professor, USICT, New Delhi

Session Co-Chairs (Internal): Dr. Jyoti Jain

Session Coordinators (Internal): Dr. Vinita Rohilla (Ph: 9810550268), Dr. Pooja Kherwa (Ph: 9350501280)

S.No.	Paper ID	Paper Title	Authors
1	**938**	A Robust Attack Type Detection Model Enhancing IoT Network Security	Shobha Chawla, Neha Gupta, Mridula Batra, Malkeet Singh
2	**962**	Integrating Machine Learning and Memory Forensics for Enhancing Cybersecurity in IoT-Enabled Energy Systems	Sonika Malik, Vedaang Chopra
3	**974**	A Hybrid Edge AI Framework for Real-Time Cyber Threat and Object Detection Using NLP, Behavioral Analytics, and Contextual Intelligence	Tejinder Kaur, Swathi Cheripelli, P. Prince, Ms Scinthia Clarinda S, S.L Jany Shabu, Kumari Deepika
4	**993**	Cyber Threat Detection in the Era of AI: A Systematic Review from Traditional Machine Learning to Autonomous LLM Agents	Sujyoti Jha, Manoj Kumar
5	**994**	PhishScore: A Weighted Multi-Feature Phishing Email Scoring Framework for Human and AI-Generated Threat Assessment	Sujyoti Jha, Manoj Kumar
6	**1109**	AMR-Layer: Cloudflare Dependency Analysis and Adaptive Multi-CDN Failover for Internet Resilience	Mansimaran Singh, Anshpreet Singh Bindra, Parag Ravikant Kaveri, Anirudh Iyer, Dr. Manisha Mittal, Reshma R
7	**1140**	Modbus-Based Digital Energy Meter with Dual-Core Cloud Telemetry	Rohini Sharma, Abhinav Kumar Singh, Khushboo, Srishti, Sunil Gupta
8	**1243**	Deep Learning-Based Malware Classification with Explainable AI and Adversarial Robustness	Nakul Bakchi, Md Azmir Bhuiyan, Dr. Anshu Vashisth, Md Imran Hossain, Gagandeep Kaur, Buddha Dev Sarker
9	**1342**	Design of Optimized Hybrid Deep Learning Model Using Ensemble Learning for Attack Detection and Security Enhancement Using Encryption in IoT Network	Saya, Prof. Ajit Singh

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 3 | Track: Robotics & AI

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Seminar Hall #406

Session Chair (External): Prof. (Dr.) Sneha Kabra (IEEE Representative), Professor, Shaheed Rajguru College of Applied Sciences for Women, University of Delhi

Session Co-Chairs (Internal): Prof. (Dr.) Archana Balyan, Dr. Upma Singh

Session Coordinators (Internal): Dr. Shalu (Ph: 9953074247), Ms. Kirti Dahiya (Ph: 7428736909)

S.No.	Paper ID	Paper Title	Authors
1	**850**	Real-Time Crowd Density Estimation and Public Safety Monitoring Using YOLO-Based Deep Learning Framework	U. Sakthi, Datla Trilok Varma, Amarnath Devireddy
2	**1046**	Framework for Precise Weed-Crop Detection in Distorted Potato Farm Dataset Using A Robotic Vehicle with Manipulator	Prince Singh, Sanjay Patidar
3	**1056**	Sequential Activity Analysis: Implementing LSTM-CNN Models for Behavioral Anomaly Detection	Ashish Kumari, Parveen Kumar, Navdeep Bohra, Neeti Sangwan, Naveen Dahiya
4	**1154**	Predicting UAV Conflict Risk in Multi Traffic Environments Using Logistic Regression Model	Dr. A Saleth Mary Vetriselvi, Dr. S V Arun, P Madhuri, Kanmani Thirumalaisamy, C Srinivasan, Shally Grace Selvam
5	**1191**	Robust Edge Controlled IoT Autonomous Agricultural Robot for Efficient Precision Farming Operations	Sanjith N, Akhil Gupta, Prof. (Dr.) R. Jagadeesh Kannan, Dr. Deepa Dasarathan, S Sujatha, Shushmitha S J
6	**1245**	UAV Collision Avoidance: A Review of Strategies, Challenges and Algorithms	Himanshu Gandhi, Dr. Anshu Vashisth, Dr. Gagandeep Kaur
7	**1310**	Proximal Policy Optimization for Dynamic Obstacle Avoidance in Flapping-Wing Micro Aerial Vehicles	Vandana CP, Neelamegam G, N Varatharajan, Geetha V, Akshya. J, M Sundarrajan, Mani Deepak Choudhry
8	**1364**	AeroShield-AI: A Unified Data-Driven Architecture for Autonomous Flight Guidance, Navigation Resilience, and In-Time Operational Safety	Aashita Chhabra, Himang Tyagi, Aniket Verma

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 4 | Track: AI for Human Machine Interaction

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Seminar Hall #106A

Session Chair (External): Prof. (Dr.) Deepali Virmani, Professor, GTBIT, New Delhi

Session Co-Chairs (Internal): Prof. (Dr.) Prabhjot Kaur

Session Coordinators (Internal): Dr. Poonam (Ph: 9990734070), Dr. Parul Hooda (CSE) (Ph: 9736527300)

S.No.	Paper ID	Paper Title	Authors
1	**482**	CareerMate: A Multilingual AI-Powered Conversational System for Personalized Career Guidance and Job Recommendation	Mahika Harikumar, Debasmita Mishra, Priyanka Savadekar, Neha Arora, Chanti Vasavi, Nisarga A
2	**955**	NeuroNote: A Knowledge-Tracing-Augmented Framework for Adaptive Note Retention and Personalized Spaced Review	Shefali Sharma, Pokuri Rajesh Kumar, Pooja P, Rohitha Mettu, Suraj Datta Narayana
3	**1032**	Feature-Enhanced Handwritten Text Recognition Using CNN–BiLSTM with Attention and NLP Post-Processing	Anushree Raj, Sandhya Madhuri G, Aishwarya D Shetty, C. Naveeth Babu
4	**1089**	SummarEase: An AI-Integrated Multi-Modal LLM Framework for Hierarchical Structural Parsing and Adaptive Academic Summarization	Anika Sharma, Pooja Gupta, Aayushi Chakraborty
5	**1110**	Machine Learning Framework for Intelligent Career Prediction Using Academic, Behavioural, Personality, and Skill-Based Analytics	Vidushi, Yashika, Sneha Chandel, Shikha Jain, Sneha Ashiwal
6	**1162**	The Future Sensor Integration Applications for External Interface Devices and Artificial Intelligence	Dr. D. Geethamani, Jyothi D, Peddinti Neeraja, Ch V S Satyamurty, S. Venkatachalam, T. Sheela, Nishika M, A. Preethi
7	**1222**	AI-Powered Digital Employee for Enterprise Helpdesk Automation Using Retrieval-Augmented Generation and Agentic AI	Nivetha R T, Prithisha S, Karishma S, Sahana P
8	**1320**	A Smartphone based digital tool for health monitoring	Akash Singh, Abhinav Singh, Dheeraj Singh, Shivani Garg

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 5 | Track: Deep AI & Neural Networks

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Room No. 111

Session Chair (External): Prof. (Dr.) Achal Kaushik, Professor, BPIT, New Delhi

Session Co-Chairs (Internal): Prof. (Dr.) Man Singh

Session Coordinators (Internal): Mr. Sushil Kumar (Ph: 9873917853), Mr. Deepak (CSE) (Ph: 9468265596)

S.No.	Paper ID	Paper Title	Authors
1	**660**	High-Accuracy Multi-Class Cotton Leaf Disease Classification Using EfficientNet-B3 and Transfer Learning on the SAR-CLD-2024 Dataset	Gajanan Ankatwar, Chitra Dhawale, Supriya Narad
2	**874**	Soil-Centric Multimodal Learning for Plant Health Assessment in Precision Agriculture	Ilakshi Singh, Anuradha Chug, Amit Prakash Singh
3	**909**	Deep Neural Networks for Early Detection of Chili Leaf Diseases	Preeti, Dr. Ganesh Kr. Wadhwani, Dr. Pankaj Kr. Varshney, Khushi Dua, Ashima Dutta
4	**972**	A Deep Adversarial Adaptation Network with Efficient Net Backbone for Cross-Domain Plant Leaf Disease Detection and Reliable Classification	Aaftab Alam, Shabina Ghafir, Ihtiram Raza Khan
5	**1017**	Comparative Analysis of Deep Learning Models for Osteoporosis Classification in Knee X-ray Images	Ankur Rai, Sanjay Patidar
6	**1057**	CNN-Based Deepfake Detection Using Deep Learning Techniques	Mitu Sehgal, Sorabh Gupta, Suman Mann, Rashmi Makkar
7	**1067**	Deep Learning for ECG and EEG-Based Disease Detection: A Critical Survey of Architectures,Challenges and Emerging Trends	Jyoti Rani, Dr. Shilpa Gupta, Dr. Vikas Mittal
8	**1080**	Imbalance-Aware Skin Lesion Classification Using EfficientNetB0 with Focal Loss and Gradient-Based Visual Explanations	Shubham Mall, Shweta Meena
9	**1142**	Cluster-Oriented Sampling Methods for Imbalanced Data Learning: An Analytical Review of Algorithms, Challenges, and Innovations	Sangeeta Kapoor, Sumit Chopra, Prabhjot Kaur

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 6 | Track: Pattern Matching and Speech Recognition

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Seminar Hall #206

Session Chair (External): Dr. Anuradha Tomar (IEEE Representative), Associate Professor & HoD, FoT, University of Delhi

Session Co-Chairs (Internal): Dr. Anupama

Session Coordinators (Internal): Dr. Anshul (Ph: 8860323224), Dr. Akanksha Singh (Applied Science) (Ph: 8700714936)

S.No.	Paper ID	Paper Title	Authors
1	**551**	Sentiment Analysis of Cyberbullying on Social Media	Shivika Singh, Mohit Goyal, Saisha Handa, Sanskar Mishra, Rinki Chauhan, Yasha Istwal
2	**935**	TF-IDF VS BM25 with BERT for Multi-Task Crisis Type and Urgency Classification	Basudev Nath, Ashok Sahu, Swati Sucharita Roy, Sampa Chau Pattnaik, Jogeswar Tripathy, Nilima Rani Das
3	**998**	Text-Based Emotion Classification using a Transformer and Deep Learning Models	Sorabh Gupta, Rattan Deep Aneja, Shipra Raheja, Vandana, Mrinal Paliwal
4	**999**	Ensemble based Fake News Detection with Transformers and Random Forest	Piyush Vashistha, Jai Anand, Aryan Malik
5	**1004**	ACMA: Affective Cross-Modal Attention for Sarcasm-Aware Cyberbullying Detection in Code Mixed Memes	Vinayak Suryavanshi, Manish Kumar, Ishika Rohilla, Vivek Mehta, Deepika Kukreja, Amarjit Malhotra, Rinky Dwivedi
6	**1138**	An Efficient Deep Learning Framework Based on CNN– BiLSTM for Sentiment Analysis	Dr. Anamika Rana, Dr. Sushma Malik, Dr. Meena Siwach Rana, Dr. Prashant
7	**1145**	A Parameter-Efficient Domain Adaptation Framework for Speech Recognition Using Synthetic Data	Golla Madhu, Srikar Janjirala, Ashish Lukka, Swaroop Mallidi, Shaik Afzal Elahi
8	**1159**	A Stacking Ensemble Framework for the Robust Sentiment Analysis of Assamese-English Code-Mixed Social Data	Himanshu Sayankar, Harshala Shingne, Sruthi Nair, Charanjeet Dadiyala

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Session 7 | Track: AI Applications in Renewable Energy & Sustainability

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Room No. 504

Session Chair (External): Prof. (Dr.) Kanika Kaur, Professor, KIIT College of Engineering, Gurgaon

Session Co-Chairs (Internal): Prof. (Dr.) Pardeep Sangwan

Session Coordinators (Internal): Dr. Nidhi Gupta (EEE) (Ph: 9911635550), Ms. Jyoti (CSE) (Ph: 8585979700)

S.No.	Paper ID	Paper Title	Authors
1	**913**	Integration of Artificial Intelligence in Agriculture	Rohit Singh, Ranjan Kumar, Suman Paul, Neerja Negi
2	**929**	Regenerative Braking System in Solar Assisted Electric Vehicle	Dr. Sunil Gupta, Nirbhay Tiwari, Sujal, Kartikeya Singh Negi, Isha Gupta, Dr. Nidhi Gupta, Dr. Puneet Azad
3	**1005**	A Four-Tier Temporal Feature Engineering Framework for Meteorology-Only Urban AQI Forecasting	Harsh Garg, Sanjay Patidar
4	**1055**	Green Finance and Renewable Energy Investments: A Comprehensive Review of Technology Driven Sustainability	Prabhjot Kaur, Damanpreet Singh
5	**1152**	Multilayer Perceptron Model for Electrochemical Pollutant Detection Using Carbon Nanomaterials	N Abirami, Dr. R Kamaraj, Hari Krishna Kalidindi, Dr. J Lenin, C Srinivasan, Dr. Monisha R
6	**1181**	A Novel Weighted Marine Health Index for Real-Time Coral Reef Biodiversity Monitoring with Cumulative Multi-Species Tracking	Shri Harsan M, John Deva Prasanna DS
7	**1277**	Adaptive Ensemble of Transformers and XGBoost for Multi-Horizon NO2 Nowcasting in Urban Environments	Rohith A, Dr. Arikumar K S
8	**1376**	Spatially Transferable Machine Learning for Multi-Horizon Soil-Moisture Forecasting in Data-Sparse Smart Irrigation	Swaraj C M, Sasikumar A

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Session 8 | Track: AI for IoT Applications

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Room No. 107

Session Chair (External): Prof. (Dr.) Anita Khosla, Professor, MRIIRS

Session Co-Chairs (Internal): Prof. (Dr.) Puneet Azad

Session Coordinators (Internal): Dr. Suman Lata (Ph: 8295104600), Ms. Manju Dhull (Ph: 8708783338)

S.No.	Paper ID	Paper Title	Authors
1	**845**	An End-to-End MLOps Framework for Drift-Aware Scalable Predictive Analytics on Energy Consumption Forecasting	Sriram S, Dr. S. Venkatesh
2	**1034**	AI-Powered IoT Healthcare Wearable Ecosystem for Real-Time Health Monitoring and Predictive Analytics	Dr. Neha Gupta, Dr. Mridula Batra, Dr. Shobha Chawla
3	**1087**	Machine Learning-Based Resource Allocation and Channel Assignment in Wireless Communication: A Survey	Prity Sinha, M. Gangadharappa
4	**1150**	Cloud Computing and IoT Framework for Electric Vehicle Wireless Charging Infrastructure	Dr. Pavithra M R, Dr. D Shofia Priyadharshini, V Jahnavi, Dr. H Azath, Dr. M Kotteeswaran, C Srinivasan
5	**1151**	Multi-Node PIoT Sensor Analytics for Smart Grid Fault Prediction Using XGBoost	Dr. Pon Harshavardhanan, M Vadivel, Dr. M Saraswathi, R Poornima Lakshmi, C Srinivasan, Oviya V
6	**1155**	Edge Computing-Based Low-Latency Control for High-Gain DC–DC Converter Stability Improvement	Dr. S Vimali, R Leela Jyothi, Dr. R Srinivasan, D Amaravathi, Akhil Gupta, C Srinivasan
7	**1184**	Digital Twin with Cloud Analytics for Personalized Treatment of Chronic Neurological Disorder Patients	Dr. V Srividhya, Dr. R Poornima, S P Vimal, N Mohankumar, Dr. R Meenakshi, S Murugan
8	**1250**	OpenCyberKAN: Attack-Dependent Open-Set Intrusion Detection with Uncertainty-Calibrated Kolmogorov-Arnold Networks	Charanjeet Dadiyala, Rashmi Welekar, Padma Adane
9	**1291**	WeighGuard: A Physics-Informed Redundancy Autoencoder Framework for Detecting Adversarial Tampering in Weighbridge Load-Cell Systems	Mohamed Azeem A, Partha Sharathy K, Shyni Vinse R P

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 9 | Track: Deep AI and Neural Networks

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Room No. 104

Session Chair (External): Prof. (Dr.) Suman Mann, Professor, PIET

Session Co-Chairs (Internal): Dr. Ajay Gahlot

Session Coordinators (Internal): Dr. Ashish Kumari (Ph: 9671161354), Ms. Shweta Rana (Ph: 8920012971)

S.No.	Paper ID	Paper Title	Authors
1	**639**	Cervical Cancer Prediction Using Hybrid Models: Integrating Urine and Blood Biomarkers	Seema Jakhar, Yogita Yashveer Raghav, Tanvi Chawla
2	**723**	Transforming Critical Care: AI-Based Precision Sepsis Prediction Using Machine Learning	Kiran Preet Bedi, Aditi Kharga, Pritika Adhikari
3	**1033**	Machine Learning–Driven Diabetes Prediction Using Symptom-Based Clinical Features and Feature Optimization	Deepanshu Goyal, Apurva Vashist, Babita Deswal
4	**1108**	An Extensive Deep Learning Approach for Dental Disease Detection: Evaluating Architectures with Class Imbalance Handling	Himanshu, Manish Upadhya, Prince Pandey, Reena Gupta
5	**1189**	Random Forest Regression for Predicting Tensile Strength of Composite Materials	Dr. Deepa Dasarathan, Dr. S Vimali, V Vijaya Baskar, P Siva Durga Rao, V Balu, S Sujatha
6	**1194**	Random Forest-Based Assessment of Parkinson's Hand Tremor Using IMU Sensor Data	S P Vimal, K Vanishree, Challapalli Suma, N Divya Sri, N Mohankumar, S Sujatha
7	**1195**	Support Vector Machine-Based Clinical Blood Analysis for Early Dengue Detection	Nisha Rani D, Dr. Sujatha T, Dr. Damodharan D, Dr. Indhumathi M
8	**1249**	Quantum-Based Learning for Heart Disease Classification: A Comparative Study with Classical Approaches	Riya Kharwal, Renu Dalal
9	**1122**	Explainable Artificial Intelligence for Cardiovascular Risk Stratification and Early Disease Detection	Deepak Upadhyaya, Nookala Venu, Yogesh Lohumi, Deepak Suresh Asudani, Gunjan Chhabra
10	**1123**	Large Language Models for Evidence-Based Cardiovascular Clinical Decision Support	Deepak Upadhyaya, Nookala Venu, Yogesh Lohumi, Deepak Suresh Asudani, Gunjan Chhabra

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Day 1 — Thursday, 19 November 2026 (2:00 PM – 4:30 PM)

Session 10 | Track: Online Session

Date: Thursday, 19 November 2026 **Time:** 2:00 PM – 4:30 PM **Venue:** Room No. 101

Session Chair (External): Prof. (Dr.) Manoj Taleja, Professor, NIT Delhi

Session Co-Chairs (Internal): Dr. Deepshikha Yadav, Dr. Reenu Kumari

Session Coordinators (Internal): Ms. Nidhi Goel (Ph: 9958083008), Ms. Ankita Gupta (Ph: 9754762206)

S.No.	Paper ID	Paper Title	Authors
1	**1377**	When Does BERT Help? A Cross-Domain Study of the Marginal Value of Text Embeddings Beyond Structured Features	Ayush Srivastava
2	**561**	HEAL: Advanced AI System For Comprehensive Health And Eating Analysis Using Blood Reports Through Learning Techniques	Rakshitha, Minal Assadi, Disha D, Khyati S Suvarna, Rashmitha Shettigar
3	**757**	Energy Efficient and Sustainable Infrastructure for Smart Home IIoT: A Swarm-Intelligence Enhanced DRL Intrusion Detection Model	Sundaram P, Dr. M. Jayaprakash
4	**878**	Architecting the Next Generation of Semantic Plagiarism Detection: A Privacy-Preserving Framework Combining Local LLM Preprocessing, SBERT Embeddings, and Generative Validation	Sterlin S, S Gokulram, S Abirami
5	**1149**	Eden: A Multi-Modal AI Orchestration Engine for Automated Misinformation Analysis	Swathi A, Mohammed Sahil, Madhava K S Puranik, Mithun Kumar B V, Mohammed Abu Sufiyaan
6	**1180**	AI Based Healthcare Document Intelligence System for Medical Information Extraction and Semantic Search	Vignesh Manivannan, Balavigneshwar B, Dr. R. Vijayalakshmi
7	**1197**	KrishiSetu: Smart Soil Analysis & Weather-Based Fertilizer Recommendation System	Piyush Gawali, Shrirang Amle, Rohit Raut, Harsh Mishra, Shriram Vyavahare
8	**1200**	Deepfake Detection Using a Hybrid CNN–GRU Architecture with a Discriminative Distance Index	Riyanshu Akash, Isha Bharti, Tanmoy Ghosh, Anish Kumar, Nitish Kumar, Dishani Roy
9	**1211**	A Multimodal System for Emotion-Aware Music Recommendation and Generation	Prajyot Bhoskar, Smita Daware, Swati K, Pankaj Warule, Gautam Jha, Soham Kathalay, Chinmay Anjanka
10	**1218**	FAANet: A Fault-Aware Attention Network for Multi-Class Photovoltaic Defect Classification in Electroluminescence Images	Gaurav Kumar Sinha, Ritula Thakur
11	**1273**	ELACHI: Construction, Preprocessing and Benchmarking of an In-Field Cardamom Pod Detection Dataset from Fixed-Camera Plantation Video	Aishwarya M F Prabhakar, Shilpa S Chaudhari
12	**1365**	An Explainable AI Framework for Automatic Analysis of Laboratory Report in Context	P.Swetha, S. Dharsin, D. Dinesh, S. Sri Vishnu varthan

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 11 | Track: Evolutionary Algorithms

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Seminar Hall #06

Session Chair (External): Dr. Deepak Sharma, Associate Professor, IGDTUW, Delhi

Session Co-Chairs (Internal): Prof. (Dr.) Neeru Rathi

Session Coordinators (Internal): Dr. Swati Malik (CSE) (Ph: 9896706333), Ms. Sonia (ECE) (Ph: 9017510009)

S.No.	Paper ID	Paper Title	Authors
1	**973**	An Agentic AI Framework for Resolving Natural Language Ambiguity in Database Querying Through Semantic Validation	Tejinder Kaur, Rubika Walia, Ramesh Cheripelli, Kamna, Payala Krishnanjaneyulu, Kirti Sharma
2	**987**	A Systematic Literature Review of Autonomous AI Agents Powered by Large Language Models	Pooja Yadav, Rohit Beniwal
3	**1059**	A Graph-Theoretic Multi-Agent Framework for Quantifying Emergent Collective Intelligence in Distributed Adaptive Systems	Saumya Maheshwari, Pranjal Sharma, Ritik Jha, Dev Ujalayan, Puneet Azad, Deepak Goyal
4	**1082**	Design and Implementation of a High-Concurrency Resource Booking System	Suman Lata, Sachit Rathee, Dinesh Sheoran, Pardeep Sangwan, Ketan Gulati
5	**1101**	Redefining Business Process Efficiency through Intelligent Technology Integration Frameworks	Gitanjali Shrivastava, Veera Talukdar, Mamatha G, Asfa Ahamad, Ankur Gupta, Hardeep Kaur
6	**1271**	The Charitable Attribution Bias in LLM Strategic Reasoning: Implications for AI Governance and Robust Multi-Agent Coordination	Ronald Lopes
7	**1288**	Artificial Intelligence and Evolutionary Optimization for Multi-Energy Microgrid Dispatch: A Systematic Review of Algorithmic Trade-offs, Edge Deployability, and Grid Stability	Dr. Akshay Raj, Dr. Vaibhav Sharma, Mr. Gaurav Rai, Mr. Sandeep Kumar Verma, Ms. Zoya Naaz, Ms. Zeba Rani
8	**1398**	A Unified Trustworthy Framework for Tabular Decision Support with Conformal Calibration and Sandboxed Agent Execution	Vasu Dev Sharma, Gurleen Kaur, Kshem Dikshit, Angad Pal, Challa Vinod Reddy, Saumya Tripathi
9	**1402**	A Real-Time Multi-Engine Research Terminal for Precious-Metal Market Intelligence	Ramkrishna Bharsakade, Parth Dongre, Parth Birari, Atharv Patil, Aryan Patil

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 12 | Track: AI for IoT Applications

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Seminar Hall #206

Session Chair (External): Dr. Gurmeet Singh, Associate Professor, GTBIT, Delhi

Session Co-Chairs (Internal): Dr. Sunil Gupta

Session Coordinators (Internal): Ms. Jyoti Sandhu (Ph: 9671725120), Ms. Mansi (App. Sci.) (Ph: 7678488354)

S.No.	Paper ID	Paper Title	Authors
1	**1134**	A Smart IoT-Enabled Cyber-Physical Framework for Groundwater Surveillance and Control	Aakarsh Mishra, Vaani Garg, Bhawna Bhardwaj, Deepak, Divya Chaudhary, Sabnam Kumari
2	**1139**	Adaptive Cloud-Edge Task Offloading Using Reinforcement Learning in IoT Systems for Real-Time Optimization	Khushboo, Drishti Gulati, Raghav Garg, Ankit Singh Raghuvanshi, Puneet Azad
3	**1153**	Energy Aware GRU Framework for Robust IoT Network Intrusion Detection Systems	Dr Sundara Kumar M R, Challapalli Suma, Dr. Pon Harshavardhanan, Dr Rajasekar Rangasamy, C Srinivasan, Santhosh M
4	**1167**	Blockchain-Based IoT Network for Sustainable Farm-to-Fork Food Traceability and Certification	Dr. H Azath, Dr Uma Devi T, Cheepurupalli Raghuram, T Akila, M Muthulekshmi, M Jagadeeswaran
5	**1171**	Wearable IoT Sensors for Real-Time Detection of Night-Time Breathing Irregularities through Edge Analytics	Dr. D Sasikala, Buddaraju Rekha Madhavi, Dr. S Kala, M Vadivel, M Muthulekshmi, Dr. Ishwarya M V
6	**1186**	IoT-Based Fish Pond Water Contamination Analysis Using Random Forest Model	Dr. K Babu, Sugatha Kumari. B, Shaik Subhan, V Balu, S Murugan, Dr. Ishwarya M V
7	**1188**	Remote Postpartum Maternal Health Monitoring Using Wearable and Cloud Technology	M Vadivel, Dr. B Kannadasan, Potturi Sandhya, Ajay Kumar Vegi, S Murugan, V Aruljyothi
8	**1408**	A Secure Transmission of Data Using A Token-Based Method Over Wireless Sensor Networks	K. Kowsalya, J Swarnalakshmi, S Navaneethan, Kuruma Purnima
9	**1146**	Graph Convolution-Based Vehicle Clustering and Cluster Head Optimization for Dynamic VANETs	Ritu Kumari, Kusum Dalal

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 13 | Track: Robotics & AI

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Seminar Hall #406

Session Chair (External): Prof. (Dr.) Poonam Bansal, Professor, IGDTUW, New Delhi

Session Co-Chairs (Internal): Prof. (Dr.) Meena Tushir

Session Coordinators (Internal): Dr. Narender Singh (Ph: 9818261695), Dr. Anisha (Ph: 9468042223)

S.No.	Paper ID	Paper Title	Authors
1	**917**	Locally-Global Synergistic Temporal Perception Network for Lightweight Video Summarization	Vaani Garg, Anil Singh Parihar
2	**977**	Automated Smart Parking and Cantonment Infrastructure Detection Using YOLOv11-Large, Computer Vision, Crowdsourcing, and Multimodal Vision–Language Reasoning	Tejinder Kaur, Shweta Joshi, Jaspreet singh, Aakash Kumar, Shweta Gupta, Mansi
3	**1016**	Predicting Flight Delays via Multi-Relational Graph Attention Networks	Prajwal Gupta, N Parthiv Kumar, Dr. Ashwini M Joshi
4	**1165**	Sequential Pattern Learning in Animal-Centric Motion Analysis and Surveillance: A Review	Sakshi Maurya, Madhu Bala, Tanima Thakur
5	**1174**	A Deep Learning Framework for RGB-Thermal Image Denoising and Enhancement in Autonomous Unmanned Vehicle Navigation Systems	Bhargav Ram Rayapati, Kotla Sree Samyuktha, Shaik Shanawaz, Mohamad Shoyab Akhil
6	**1318**	An Ensemble Learning Framework for Urban Traffic Slowness Prediction with a Proposed Multi-Agent Control Architecture	Dr Alisha Banga, Dr Monika Jain, Dr Amba Mishra, Ms Meenakshi Vishnoi
7	**1332**	SecureIrisNet: Lightweight Deep Learning Framework for Robust Iris Recognition and Classification	Manoranjitham S, Farooq Ahmad, Rasika Padegaonkar, Jayshree Gorakh, Thinaharan N, Dharmadurai K
8	**1410**	NSDFNet: A Neighbourhood and Self-Similarity Distance Fusion Network for Robust Image Denoising	V Tejovathi, Venkata Lakshmi Keerthi K, R Priyadharshini, Kuruma Purnima, G Ravi Kumar, C. Sushama

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 14 | Track: AI for Human Machine Interaction

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Seminar Hall #106A

Session Chairs (External): Prof. (Dr.) Jyoteesh, Professor, NIT Delhi; Prof. (Dr.) Rishabh Dev Shukla, Professor, Chandigarh University

Session Co-Chairs (Internal): Prof. (Dr.) Naveen Dahiya

Session Coordinators (Internal): Dr. Jayesh (Ph: 8076600807), Dr. Neetu Sherawat (Ph: 9992976966)

S.No.	Paper ID	Paper Title	Authors
1	**897**	GitHub Issue Triage Bot	Dr. Ravi Sharma, Ananya Shakya, Ananya Singh, Prabhav Singh, Manibhav Gupta
2	**990**	Evaluating the Impact of Online Learning on Academic Performance: A Mixed-Methods Case Study of Undergraduate Students in Chennai	T.J.Nagalakshmi
3	**1177**	A Bi-LSTM–Based Conversational Framework for Early Academic Risk Prediction and Student Mentoring	S.M.Krishna Ganesh, Guhan Balaji. C, Vinoth Kumar V, Dr. G Vinoth Chakkaravarthy, Dr R. Santhana Krishnan, Nishanthini S
4	**1269**	Predictive Behavioural Analytics for Medical Tourists Using AI and Open Banking Data: A Domain Specific Feature Engineering and Fairness Governance Approach	Tejas Pawar, Dr. Ashwini Brahme
5	**1278**	Lexora-An Intelligent RAG-Based Business Legal Assistant	Aditya Raj Upreti, Anshul Kumar, Ansh Bansal, Sonika Nagar
6	**1373**	Reimagining Animation Education in the Age of Artificial Intelligence: Challenges and Opportunities for Teaching and Learning	Sanjay Kumar, Pratap Rajpoot, Dr. Dhara Hans
7	**1381**	University Students' Utilization of Generative AI-Generated Solutions for Academic Problem Solving: An Extended Task–Technology Fit Model	Duy Vu Le, Anh Phan Ngoc Que
8	**518**	Digital Wellness Paradigms: A Comprehensive Analysis of Social Media Overuse Mitigation Strategies and Emerging Solutions	Dr. Ikramov Murat Akramovich, Dr. Aajaz Ahmad Hajam, Roblwela Masalon Noronha, Dr. Samadhi Dilli, Dr Syed Arshad Ali, Amit Kumar, Abhishek Tiwari
9	**1232**	Agentic AI Based Local Student Support Assistant: An Autonomous Query Resolution System Using NLP and Machine Learning	Subodh Sharma, Anish Kumar, Dhruv Gupta, Dr. Chaitali Bhowmik

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 15 | Track: Deep AI & Neural Networks

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Room No. 111

Session Chair (External): Prof. (Dr.) Dheeraj Joshi, Professor, DTU

Session Co-Chairs (Internal): Prof. (Dr.) A.K. Singh

Session Coordinators (Internal): Dr. Sonia Goel (Ph: 9540040549), Ms. Nisha Singh (Ph: 8860983442)

S.No.	Paper ID	Paper Title	Authors
1	**915**	PocketGenMol: Structure-Conditioned Molecular Generation via Masked Diffusion over SAFE Representations	Monika Kumari, Arun Singh Bhadwal, Soham Das, Kenneth Lobo, Navya Singh, Ritik Dwivedi
2	**976**	A Deep Learning Framework for Automated Insurance Advisory and Intelligent Decision Support	Tejinder Kaur, CS Jyoti Arora, Daljeet Kaur, Kiranpal Singh Virk, Karan Walia, Karan Mahajan
3	**1021**	Integrating Machine Learning and Human-Computer Interaction for Accurate Early Dementia Detection	Dr. Jolly Parikh, Dr. Yugnanda Puri, Dr. Kirti Sharma, Dr. Sudesh Pahal, Mr. Manish Talwar, Urvi Maniar, Neetu
4	**1088**	Neural Network Architecture for Real-Time Warning Detection	Varsha Gupta, Gagandeep Kaur, Neetu Settia, Suhani Duggal, Shivani Duggal, Archna Priyadarshani
5	**1132**	Deep Dental Gender-Net: A GAN-Augmented Segmentation-Guided CNN–Transformer Model for Forensic Gender Identification from Teeth Images	Bhawna Bhardwaj, Amit Prakash Singh, Ruchi Sehrawat, Jeyaseelan Augustine, Mahesh Verma
6	**1133**	Sustainable AI Systems: Evaluating the Impact of Model Compression and Transfer Learning Strategies	Palak Gupta, Vedang Wadhawan, Vaani Garg, Deepak, Sunita Kumari, Pallavi Ranjan, Sabnam Kumari
7	**1281**	Vision Transformer-Based Framework for Multi-Stage Alzheimer's Disease Classification from Structural MRI	Dr. Anshu Vashisth, Tanvir Ahmed, Shahjadi Sultana, Khadija Slimani, Krima Ashokkumar Patel
8	**1317**	Pseudo-Multimodal MRI Representation Learning With Multi-Head Self-Attention Fusion for Alzheimer's Disease Classification	Shipra Raheja, Amit Kumar Bindal, Rattan Deep Aneja
9	**1389**	Topological Vision Transformer for Severity Aware Lung Disease Classification	Tharun M, Saravanan S, Kotteeswaran Rangasamy
10	**1143**	Performance Analysis of Classification Models for Breast Cancer Prediction on the Wisconsin Diagnostic Dataset	Shyla, Shalu, Ajay Dureja, Minakshi Tomer, Dhyanendra Jain, Mahesh Kumar

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 16 | Track: Pattern Matching and Speech Recognition

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Room No. 210

Session Chair (External): Prof. (Dr.) Sunita Yadav, Professor & Dean, IPEC, Ghaziabad

Session Co-Chairs (Internal): Prof. (Dr.) Tripti Sharma

Session Coordinators (Internal): Dr. Shilpam Malik (Ph: 7838889304), Dr. Sonika Malik (Ph: 9818820319)

S.No.	Paper ID	Paper Title	Authors
1	**984**	From Classical ML to Contrastive GNNs: A Systematic Review of Faux-Hate Detection Frameworks	Pooja yadav, Rohit Beniwal
2	**985**	ProxiMix: A Prototype-Driven Proximity-Aware Meta-Embedding Framework for Faux-Hate Detection	Pooja Yadav, Rohit Beniwal
3	**996**	A Systematic Review of Hallucinations in Large Language Models: Detection, Mitigation, and Evaluation	Prince Chaudhary, Rohit Beniwal
4	**1013**	A Hybrid Multi-Signal Framework for Hallucination Detection in Large Language Models	Prince Chaudhary, Rohit Beniwal
5	**1020**	PPO Fine-Tuning for Poetic Generation in Compact Llama-Style Language Models: A Controlled Two-Scale Study	Prabhsurat Singh, Poonam Narang
6	**1161**	Evaluating Seed Word Embeddings for Deep Learning Bugs Categorization	Gaurav Sandhu, Kamaldeep Kaur
7	**1106**	The Illusion of Sources: A Comparative Study of Citation Fabrication in Gemini-3 and ChatGPT-5.2	Mehak Singh, Yessica Malhotra, Sukhvir Singh, Mayank Chaudhary
8	**1387**	Disparate Impact in LLM-Based Resume Ranking: A Secondary Analysis of GPT-3.5 and GPT-4 Selection Rates Across Race and Gender	N Veena, P Niranjanbaby, K Jayanth, P Suresh, A. Kavitha

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 17 | Track: AI Applications in Renewable Energy & Sustainability

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Room No. 504

Session Chair (External): Prof. (Dr.) Amit Jain, Professor & Dean, IPEC, Ghaziabad

Session Co-Chairs (Internal): Dr. Neeti Sangwan

Session Coordinators (Internal): Dr. Pooja Singh (Ph: 9810778941), Ms. Pooja Mittal (Ph: 8810549225)

S.No.	Paper ID	Paper Title	Authors
1	**1091**	Disentangling Pollutant Dependency and Temporal Forecasting in Machine Learning Based AQI Prediction	Dhruv Yadav, Sonam
2	**1058**	A Data-Driven Framework For Thermoelectric Cooling and Power Generation Tracking Using Clustering And Polynomial Thermal Analytics	Deepshikha Yadav, Prinkle Talan, Koyel Datta Gupta, Archana Balyan
3	**1071**	Attention U-Net with Boundary-Aware Composite Loss for Urban Flood Detection from SAR Imagery	Rishabh, Amar Arora, Reena Gupta
4	**1173**	A Hybrid CNN and Bi-LSTM Deep Learning Framework for Accurate Water Quality Index Prediction	Bhargav Ram Rayapati, Narra Anuhya, Faisal Mohammad, Manivarun Nethi
5	**1229**	AI-Driven Solar Power Forecasting for Sustainable Development: Random Forest vs. LSTM	Ganesh Valiachi, S. Ishwarya, K. Kalidasu
6	**1343**	Renewable Energy-Based Feasibility Analysis for an Unelectrified Rural Village Using Load Survey Data	Shalom Irence LB, Dr. A Immanuel Selvakumar
7	**1366**	A Stacking Ensemble Architecture for High-Resolution Multi-Output Spatiotemporal Load Forecasting Across Multi-Zonal Smart Grids	Himanshu Sayankar, Harshala Shingne, Sruthi Nair, Charanjeet Dadiyala
8	**1371**	Comparative Analysis of Production-Ready Time Series and Recursive Machine-Learning Models with Socio-Economic Covariates for Electricity Demand Forecasting in Delhi	Ankit Srivastava, Manish Jain, Devi Prasad Bhukhya
9	**1390**	Technical Quality of AI-Enabled EV Charging Applications and Users' Charging Management Experience: Evidence from Consumers in Vietnam	Nguyen Dao Que Nhu, Duy Vu Le
10	**1409**	A Hybrid CNN–LSTM–DNN Framework for Electricity Theft Detection in Smart Grids	K Yuvaraj, M Lakshmi Prasanna, R Surekha, Kuruma Purnima, Vijayan P M, Shaik Hedayath Basha

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 18 | Track: AI for IoT Applications

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Room No. 107

Session Chair (External): Prof. (Dr.) Namita Gupta, Director, MBS College, New Delhi

Session Co-Chairs (Internal): Dr. Sobinder Singh

Session Coordinators (Internal): Dr. Pooja Singh (Maths) (Ph: 9654218465), Dr. Sonal (Ph: 9896220456)

S.No.	Paper ID	Paper Title	Authors
1	**1168**	Cloud-Integrated IoT Electrical Substation Monitoring for Improved Smart Grid Reliability	Dr. Pavithra M R, Dr. B. Gopi, P Ravi Krishna, Dr. B Kannadasan, M. Muthulekshmi, Dr. Ishwarya M V
2	**1169**	Modeling and Optimization of Resonant Wireless Charging for Electric Vehicles with IoT Integration	Dr. S Kala, K Durga Bhavani, M Ravi Sankar, R C Karpagalakshmi, Dr. V Vidya Lakshmi, M. Muthulekshmi
3	**1170**	Random Forest-Based Detection of Abnormal Residential Electricity Usage in Smart Homes	Dr. Indhumathi M, Dr. Christuraja S, Prof. (Dr.) R. Jagadeesh Kannan, Pasumarthy Rambabu, R. Poornima Lakshmi, M. Muthulekshmi
4	**1183**	Scalable Electric Vehicle Battery Traceability System Integrating Blockchain and IoT	Dr J Venkatesh, Ahmed Shahebaaz, S N V P Ravi Teja, Dr. S Vimali, S Murugan, Dr. Ishwarya M V
5	**1187**	Cloud-Assisted Monitoring and Fault Diagnosis of Isolated DC–DC Converters in Distributed Power Systems	Dr. Christuraja S, Rajarajeshwari Kamaja, Dr. R Srinivasan, T Prasad, Dr. S Karthikeyan, S Murugan
6	**1190**	A Scalable Edge-Enabled IoT Architecture for Monitoring Floating Solar Power Plants	S P Vimal, Dr. H Azath, Challapalli Suma, Dr. R Poornima, S Sujatha, Gunasundari B
7	**1193**	Cloud-Integrated IoT Framework for Real-Time Control of SiC-Based EV Fast Charging Converters	Dr. R Kamaraj, Potturi Sandhya, P V V Satya Eswara Rao, Dr. R Jagadeesh Kannan, Dr. V Vidya Lakshmi, S Sujatha
8	**1336**	Robust Multi-Objective Lightweight Deep Reinforcement Learning for Secure NOMA-Based Smart Grid Communications Under Imperfect Channel State Information	S.Senthazhai, D.Ilakkiaselvan, R.J.Kavitha, D.Dhanalakshmi, S.P.Anbukodi
9	**1198**	ManagerIoT-LLM: Retrieval-Grounded and Validation-Aware AI Decision Support for Industrial IoT-Enabled Smart Manufacturing	Antony Davis, Md Shaik Amzad Basha, M Martha Sucharitha, Puneeth N Thotad, Sridevi M

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 19 | Track: Deep AI and Neural Networks

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Room No. 104

Session Chair (External): Dr. Shilpa Gupta, Professor, Chandigarh University

Session Co-Chairs (Internal): Prof. (Dr.) Naresh Kumar

Session Coordinators (Internal): Dr. Nidhi (App. Sci.) (Ph: 9810512690), Dr. Rakesh Kumar (Ph: 9416270673)

S.No.	Paper ID	Paper Title	Authors
1	**1064**	Intelligent Medical Image Management System for Chest X-Ray Classification and Multimodal Clinical Retrieval	Ezeddin Hakami, Ali Alyatimi, Ali Hakami, Gargi Verma
2	**1090**	Predicting Cardiovascular Disease Vulnerability based on Lifestyle Factors Using Deep Learning	Nishtha Jatana, Koyel Datta Gupta, Kavita Sheoran, Shaily Malik, Geetika Dhand, Deepshikha Yadav, Prinkle Talan, Divya Jatain
3	**1156**	A Comprehensive Review of Hybrid Intelligence, Retrieval-Augmented Generation, and Explainable AI Approaches for Healthcare Informatics and Clinical Decision Support Systems	Mounika N, Deepak Vats, Navjeet Kaur
4	**1201**	Explainable AI-Driven Clinical Decision Support for Personalized Drug Recommendation and Medication Discontinuation Planning	Asmitha Reddy P, Jayasri S, Dr. R. Aishwarya
5	**1219**	A Hybrid Neuro-Statistical Stacking Architecture for Evaluating Bengali AI-Generated Health Responses	Himanshu Sayankar, Harshala Shingne, Sruthi Nair, Charanjeet Dadiyala
6	**1279**	Machine Learning-Based Alzheimer's Disease Detection Using Radiomic and Texture Features from Brain MRI	Dr. Anshu Vashisth, Mithun Das, Tanvir Ahmed, Khadija Slimani, Denesh Das
7	**1334**	Deep Learning and Explainable AI for Pancreatic Cancer Detection: A Review and Critical Analysis	Vishesh Tanwar, Bhisham Sharma
8	**1341**	An AI-Driven Clinical Decision Support System for Automated Tumor Multi Classification Using MRI Images	Blesson Samuel D, Samuelraj Chrysolite G, Sivaprasath K, Glory Precious J, Sameera Fathimal M, Jothiraj Selvaraj
9	**1392**	Federated CNN with Diffusion Augmentation and Differentially Private Gradient Centralization for Lung Disease Classification	Saravanan S, Tharun M, Kotteeswaran Rangasamy
10	**925**	Drug Detection Using Applied Machine Learning Algorithms	Rupam Bhagawati, Lohith R, Rishabh Dev Shukla, Naren P, N Jeevani, Adya

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Day 2 — Friday, 20 November 2026 (9:30 AM – 12:30 PM)

Session 20 | Track: Online Session

Date: Friday, 20 November 2026 **Time:** 9:30 AM – 12:30 PM **Venue:** Room No. 101

Session Chairs (External): Dr. Ekta Gandotra (IEEE Representative), Associate Professor, JIIT University; Prof. (Dr.) Shweta Bansal, Professor, K.R. Mangalam University

Session Co-Chairs (Internal): Prof. (Dr.) Rinky Dwivedi, Dr. Tripti Rathee

Session Coordinators (Internal): Dr. Anu Rana (Ph: 9729651175), Dr. Sandeep Kaur (Ph: 9530587024)

S.No.	Paper ID	Paper Title	Authors
1	**1230**	When Prediction Becomes Reconstruction: Quantifying Endpoint–Input Circularity in Respiratory Machine Learning	Adishree Gupta, Prof. Mahitha G
2	**1238**	An Optimized G–LSTM Framework for Option Price Forecasting	Shubhangi Porwal, Namita Srivastava, Manoj Jha
3	**1256**	Hybrid Quantum Deep Learning for Acute Lymphoblastic Leukemia Detection: A Pipeline Utilizing MedSAM Segmentation, Vision Mamba and Parameterized Variational Quantum Classification	John Annish Colin J, Kanuri Tagore Sai, Surukanti Eshwar Reddy, R L Aadithyaa, Dr. Suma Kamalesh Gandhimathi
4	**1276**	MemCP: Context-Aware Memory Compression and Retrieval for Long-Horizon Large Language Model Agents	Viomesh Singh, Praneel Jain, Raj Bapat, Ayush Mahajan, Prachi Jamdade, Sundaram Waghmare
5	**1378**	HalDetect: Entropy-Based Hallucination Detection for Medical LLMs	Harsh Kumar, Himanshu Kumar
6	**1383**	HalluGuard-Med: An Explainable Framework for Grounded Medical AI and Clinical Claim Verification	Dr. Ramkrishna S. Bharsakade, Harshvardhan M. Patil, Rajvardhan P. Patil, Bhavesh M. Patil, Kartik N. Patil
7	**1391**	A Hybrid OCR-CNN-LLM Framework for Automated Medical Prescription Analysis	Diya Saha, Mansi Bhagoria, Suhaib Ahmad, Reya Sharma, Pooja Chaudhary
8	**1404**	AetherSea: AI-Powered Marine Debris Intelligence and Cleanup Route Optimisation	Amruta V. Patil, Ananya P. Kulkarni, Anushka A. Khot, Aditi V. Menbudle
9	**1405**	AI-Enabled Augmented Reality Interaction Quality and Consumers' Shopping Experience on E-Commerce Platforms in Vietnam	Duy Vu Le
10	**1413**	Perceived Quality of AI-Based Pronunciation Assessment Systems and Students' Perceived English Speaking Performance in Vietnam	Thuy Truc Nguyen, Hong Tran Minh Ngoc