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VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY

An Autonomous, ISO 9001:2015 & QS I-Gauge Diamond Rated Institute, Accredited by NAAC with 'A++' Grade
NBA Accreditation for CE, EEE, ME, ECE, CSE, EIE, IT B.Tech. Programmes Approved
by AICTE, New Delhi, Affiliated to JNTUH, NIRF 109 Rank in Engineering Category
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Telephone No: 040-2304 2758/59/60, Fax: 040-23042761
E-mail: postbox@vnrvjiet.ac.in, Website: www.vnrvjiet.ac.in



6th International Conference on Advances in Computer Engineering and Communication Systems - ICACECS-2025

6th to 8th August 2025

Department of Computer Science and Engineering
PRESENTATION SCHEDULE

6 th Aug 2025	Presentations Track-1: Session-1 @ Machine Learning, Deep Learning, Federated Learning and Computer Vision	TIME
PID	(Faculty I/c: Mr.I Ravindra Kumar ravindrakumar_i@vnrvjiet.in, 9010090209)	
5	Understanding Infant Emotions Through Sound: A Computational Approach	2:00PM to 2:15PM
92	Personalized Treatment Recommendations for Multiple Sclerosis Using Support Vector Machine (SVM) Classification	2:15PM to 2:30PM
157	Comparative Analysis and Implementation of Image Inpainting using Greedy and Basis Pursuit Sparse Representation based Algorithms over Synthetic Dataset	2:30PM to 2:45PM
160	Industry 6.0 Era: ML Techniques to Analyze Customer Emotions and Satisfaction based on Hotels Reviews in Karnataka Region	2:45PM to 3:00PM
210	A Novel approach to Shakespeare Sonnet Gen-eration using LSTM and GRU	3:00PM to 3:15PM
290	CLTN: Convolution with Lite Transformer Network for Early Detection of Scoliosis and Spondylolisthesis from X-ray images	3:15PM to 3:30PM
334	Exploring Trends, Challenges and Future Directions In Drug Adverse Side Effects and Drug-Drug Interactions: a comprehensive survey	3:30PM to 3:45PM
394	A Hybrid Approach for Diabetic Retinopathy Grading Based on Vision Transformer and Graph Convolution Network	3:45PM to 4:00PM
431	Hybrid Machine Learning based Soybean Yield Prediction Using Multi-Source Data	4:00PM to 4:15PM
467	AGNet": An Attention-Guided Feature Selection framework for high precision Melanoma Classification from Dermoscopic Images	4:15PM to 4:30PM
554	Addressing Granularity: Named Entity Recognition Infused Aspect Sentiment Pair Extraction	4:30PM to 4:45PM



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6th Aug 2025	Presentations Track-1: Session-2 @ Machine Learning, Deep Learning, Federated Learning and Computer Vision	TIME
PID	(Faculty I/c: Mrs.S Sudeshna, Sudeshna_s@vnrvjiet.in , 9849965320)	
482	A Hybrid Deep Learning and U-Net Architecture for Automated Brain Tumor Detection and Classification	2:00PM to 2:15PM
489	Brain Tumor Classification Using EfficientNet: A Deep Learning Approach for Accurate and Efficient Diagnosis	2:15PM to 2:30PM
499	PRODUCT RECOMMENDATIONS : COMPARATIVE ANALYSIS OF CLASSICAL ML AND QUANTUM ML	2:30PM to 2:45PM
528	Federated Learning for Skin Cancer Detection with Optimized Client Selection and Hybrid aggregation strategies	2:45PM to 3:00PM
563	Integrating Machine Learning and Nash Equilibrium for Enhanced Climate Risk Management	3:00PM to 3:15PM
571	Integrating Ensemble Algorithms for Enhanced Cardiovascular Disease Detection	3:15PM to 3:30PM
594	AutoML-Driven Feature Engineering in Structured and Semi-Structured Enterprise Data	3:30PM to 3:45PM
618	Vision Transformers for Histopathological Image Classification: Techniques, Challenges, and Future Directions	3:45PM to 4:00PM
635	Automated Fault Detection and CO ₂ Storage Assessment Using K-Means Clustering and Full Waveform Inversion	4:00PM to 4:15PM
644	A Modular Time-Aware SMOTE and Autoencoder-XGBoost Framework for Interpretable Credit Card Fraud Detection	4:15PM to 4:30PM



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6 th Aug 2025	Presentations Track-1: Session-3 @ Machine Learning, Deep Learning, Federated Learning and Computer Vision	TIME
PID	(Faculty I/c: K Haripriya, Haripriya_k@vnrvjiet.in , 9985807366)	
669	Enhancing DRL Robustness with Prediction Intervals: A Software-Oriented Approach to Noise-Aware Policy Adjustment	2:00PM to 2:15PM
688	Hybrid Deep Learning-Based Methane Plume Detection from Aerial Imagery Using U-Net and DeepLabV3+.	2:15PM to 2:30PM
701	PAI-based Classification of Apical Periodontal Disease Using MobileNet on Panoramic Radiographs	2:30PM to 2:45PM
708	Machine Learning-Driven Predictive Modeling and Resilience Strategies for Enhancing Agricultural Productivity Under Extreme Weather Conditions	2:45PM to 3:00PM
709	Real-time Fraud Detection Using Advanced Deep Learning with Integrated External Data Sources	3:00PM to 3:15PM
756	Optimal control of PEM fuel cell using novel GA based Q-learning approach	3:15PM to 3:30PM
817	Machine Learning-Driven Anomaly Detection of IoT Devices Using Power Consumption Patterns	3:30PM to 3:45PM
873	The identification and prevention of privilege escalation attacks in the cloud through the utilization of machine learning	3:45PM to 4:00PM
968	Network Traffic Classification Using Hybrid Un-Supervised Machine Learning	4:00PM to 4:15PM
1018	Audio Analysis of the Gayatri Mantra: A Novel AI/ML Study with Cultural Insights	4:15PM to 4:30PM



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PRESENTATION SCHEDULE

6th Aug 2025	Presentations Track-1: Session-4 @ Machine Learning, Deep Learning, Federated Learning and Computer Vision	TIME
PID	(Faculty I/c: Mr. P Rajesh rajesh_p@vnrvjiet.in , 9703758158)	
1025	Temporal-Contextual Page Fault Prediction: An Ensemble Learning Framework for Operating System	2:00PM to 2:15PM
1038	Localized Federated Learning for Personalized Music Recommendations: Implementation and Evaluation on Android	2:15PM to 2:30PM
1075	FinFormer: A Dual-Attention Transformer for Interpretable and Adaptive Time-Series Forecasting	2:30PM to 2:45PM
1095	An End-to-End Software Framework for Single-View 3D Reconstruction Using Deep Neural Networks	2:45PM to 3:00PM
1099	MRI Analysis for Automated Staging of Liver Cirrhosis Severity using Multi-Modal	3:00PM to 3:15PM
1113	Wearable Gait and Fall Monitoring System for Parkinson's disease using Pressure and Inertial Sensors	3:15PM to 3:30PM
1128	AI-Compliance: A Framework for Navigating License Conflicts in Machine Learning Pipelines	3:30PM to 3:45PM
1166	Multi-Agent Deep Reinforcement Learning Allies for Adaptive Algorithms of Trading Systems	3:45PM to 4:00PM
1198	A Real-Time Credit Card Fraud Detection Approach Using Edge-Optimized Deep Learning Model	4:00PM to 4:15PM
1301	Real-Time Rice Seed Detection using Deep Learning and Augmented Reality	4:15PM to 4:30PM
1305	Machine Learning Analysis of Physical Activity Patterns: Quantitative Comparison Between Native and Non-Native Residents of the High North	4:30PM to 4:45PM

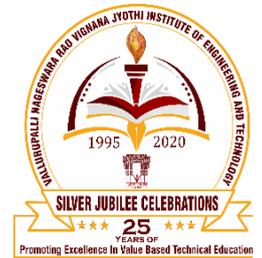
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Communication Systems - ICACECS-2025

6th to 8th August 2025

Department of Computer Science and Engineering

PRESENTATION SCHEDULE

7th Aug 2025	Presentations Track-2: Session-1 @ Artificial Intelligence, Explainable Artificial Intelligence, Natural Language Processing and Social Network Analysis	TIME
PID	(Faculty I/c: N Lakshmi Kalyani, lakshmikalyani_n@vnrvjiet.in , 9966319436)	
51	CALMBOT: Empowering Mental Health Support with Emotion Analysis and Adaptive Responses	11:45AM to 12:00 PM
192	Liquid and Spiking Neural Networks: A New Era in Alzheimer's Diagnosis	12:00PM to 12:15 PM
197	An Advanced Hybrid Tent-Tinker-Sine Map (TTSM) Chaotic Encryption Framework for Secure Distribution and Retention of Medical Images	12:15PM to 12:30 PM
327	RetroReviveAI: AI-Powered Restoration for Historical and Damaged Images	12:30PM to 12:45 PM
449	ShlokaSage: AI driven Emotion-Based Bhagavad Gita shloka Recommendation	12:45PM to 1.00 PM
540	Real-Time Audio Transmission over SIP: Metrics-Driven Performance Analysis and Visualization	1.00 PM TO 1.15PM
552	Enhancing Data Pipelines with Foundation Models: A New Approach to Automated Schema Mapping and SQL Generation	1.15 PM TO 1.30PM
630	AI-Enabled Smart Water Quality Monitoring System for Contamination Detection During Disasters	1.30 PM TO 1.45PM
636	CIFAKE: Fake vs Real an Explainable AI Approach to AI-Generated Image Classification	1.45 PM TO 2PM
722	Multimodal Classification of Telugu Memes: Detecting Vulgarity Using Vision-Language Models	2 PM TO 2.15PM
726	GenAI-Driven Intelligent Email Ticketing: An End-to-End Architecture for Automated Sentiment-Aware Customer Support	2.15 PM TO 2.30PM

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PRESENTATION SCHEDULE

7th Aug 2025	Presentations Track-2: Session-2 @ Artificial Intelligence, Explainable Artificial Intelligence, Natural Language Processing and Social Network Analysis	TIME
PID	(Faculty I/c: Mr.Ch. Suresh Kumar Raju, sureshkumarraju_ch@vnrvjiet.in , 8121285286)	
735	Optimizing Financial Time Series Forecasting with RNN and LSTM Networks Through Dimensionality Reduction and Feature Engineering	11:45AM to 12:00 PM
824	Predictive Models for Accounts Receivable Management Using AI	12:00PM to 12:15 PM
861	An Adaptive Prediction Model to Forecast Technicians Using Dynamic Workforce Assignment Algorithm	12:15PM to 12:30 PM
880	Classification of Retinal Diseases using DeepONet and Ensemble model and Interpretation using Explainable AI	12:30PM to 12:45 PM
895	A Hybrid Machine Learning Pipeline with Explainable AI for Road Anomaly Classification	12:45PM to 1.00 PM
955	Comparison of Fine-tuned Large Language Models for Structural Classification of Indian Legal Judgements	1.00 PM TO 1.15PM
988	Attention-Driven Rumor Suppression: A GAT-GNN Framework for Social Networks	1.15 PM TO 1.30PM
1055	Fluency AI: A Robust Hybrid AI-Powered Method for Classifying Stuttering Speech.	1.30 PM TO 1.45PM
1085	Improved Hierarchical Context Awareness NER Extraction Representation	1.45 PM TO 2PM
1168	AI Powered ECG Analysis For Cardiovascular Disease Detection	2 PM TO 2.15PM
1220	Beyond Borders: Unveiling Community and Influence in Multiplex Social Networks	2.15 PM TO 2.30PM
1252	" A Novel Context-Aware Algorithm for Detecting Suicidal Ideation in Tweets Using Advanced NLP Techniques"	2.30PM to 2.45 PM



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7th Aug 2025	Presentations Track-3: Session-1 @ Cyber Security, Internet of Things, Cloud Computing, Communication Systems, Distributed Systems	TIME
PID	(Faculty I/c: Mr.T.Gnana Prakash gnanaprakash_t@vnrvjiet.in, 9985223272)	
217	"Two-Phase Evolutionary Approach for Cloud Workflow Optimization"	11:45AM to 12:00 PM
422	Optimizing Urban Street Cleanliness Monitoring through Mobile Edge Computing	12:00PM to 12:15 PM
560	Improved Brain Tumor Classification using Capsule Networks with SAMME.R Boosting	12:15PM to 12:30 PM
667	Integration Principles and Predictive ML Models for Advanced Health Analytics for IoT-Driven Healthcare	12:30PM to 12:45 PM
592	A Dynamic CDN Server Selection Method for Hybrid CDN-P2P VoD Systems	12:45PM to 1.00 PM
657	Machine Learning-Based Intrusion and Anomaly Detection in Cyber-Physical Systems Using Random Forests and Kernel Density Estimation	1.00 PM TO 1.15PM
670	Optimizing Point Cloud Segmentation for Forest LiDAR Data: Effects of Window Size on Semantic Segmentation Performance	1.15 PM TO 1.30PM
719	Smart Office Automation with IoT-Based Fault Prediction: A Recommender Model Approach	1.30 PM TO 1.45PM
732	Lightweight Hybrid Machine Learning Approach for Real-Time DDoS Detection in Resource-Constrained IoT Devices	1.45 PM TO 2PM
856	Efficient 3D Point Cloud Segmentation for Industrial Bin-Picking Using Hybrid Algorithms	2 PM TO 2.15PM



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PID	(Faculty I/c: Mrs. K Swathi swathi_k@vnrvjiet.in , 9849012258)	
857	Cloud-Integrated Autonomous Vehicle Prototype for 2D Environment Mapping with IoT Communication	11:45AM to 12:00 PM
929	TFSN- Enhanced Trusted Forwarder Selection and Secure Data Transmission in Sensor Networks Using ECDS Encryption	12:00PM to 12:15 PM
984	Multilevel Clustering Approach -Based Butterfly Optimization for Maximum Coverage in Underwater Wireless Sensor Networks	12:15PM to 12:30 PM
985	Integrating ML with Cloud-Based Interfaces for Real-Time Access Management	12:30PM to 12:45 PM
1057	Next-Generation Intrusion Detection for IoT Networks: A Detailed Survey and Analysis	12:45PM to 1.00 PM
1096	Reliable Distributed Sorting Using Trust-Aware Node Assignment	1.00 PM TO 1.15PM
1186	Quantum Resilient Lightweight Encryption Algorithm for Resource Constrained Environments Using Modular Hybrid Cryptography	1.15 PM TO 1.30PM
1190	Energy-Efficient Trust-Aware Secured Clustering using Wombat Optimization Algorithm in Wireless Sensor Network	1.30 PM TO 1.45PM
1194	Random Forest-Based Intrusion Detection: Enhancing Cyber Defense	1.45 PM TO 2PM
1210	AI-Driven Adaptive Query Processing in Edge-Assisted Distributed IoT Systems	2 PM TO 2.15PM
1226	Uncovering Financial Fraud Using Integrated Sparse Similarity and Feature-Enhanced Anomaly Model	2.15 PM TO 2.30PM



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6th Aug 2025	Presentations OFFLINE Track-1: Session-2 @ Machine Learning, Deep Learning, Federated Learning and Computer Vision	TIME
PID	(Faculty I/c: N Sarika, sarika_n@vnrvjiet.in, 9908630569)	
1076	A Hybrid Machine Learning Approach for Detection of Malicious Android Apps	2:00PM to 2:15PM
1269	Cardiac Arrhythmia Detection Using QSR Analysis	2:15PM to 2:30PM
1344	Integrating EF-BER with Clustering and KNN for Enhanced Water Quality Assessment	2:30PM to 2:45PM
1358	SMART FIRE SENSING: FIRE CAUTION AND MITIGATION FOR WILDFIRE AND URBAN FIRE	2:45PM to 3:00PM
1360	BSFR-SH: Blockchain-Enabled Security Framework against Ransomware Attacks Using Machine Learning	3:00PM to 3:15PM
1418	Cross platform Robustness and Adversarial Resilience in Denial of wallet attack Detection for serverless Application	3:15PM to 3:30PM
1436	AI-Assisted Diagnosis of Skin Diseases Using Deep Convolutional Neural Networks	3:30PM to 3:45PM