

CSITSS-2026

Computational Systems & Information Technology for Sustainable Solutions

DETAILED SESSION SCHEDULE | 30th & 31st OCTOBER 2026

Track 1 - Emerging Technologies

Session 1-A – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 02:00 – 03:45 PM | Venue : Bio Tech Seminar Hall

Theme / Track Track 1 - 1: Emerging Technologies

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	676	Fabrication and Structural Characterization of Zn-rGO/PVP Polymer Nanocomposite Films for Potential EMI Shielding	Varuna M
2	864	An Ensemble Learning Framework for Binary and Multiclass Heart Disease Prediction Using Integrated UCI Clinical Datasets	Mohit Maharana
3	10	Automation versus Manual Work in Small and Medium Industries: A Data-Driven Empirical Analysis Using Structural Equation Modeling	Riya Jaiswal
4	754	Design and Implementation of 5G Antenna Sensors for Healthcare Monitoring system using IoT	Nisha SL
5	680	CampusConnect: A Multimodal Touchless Interaction System for University Information Kiosks	Manyamala Sunaina
6	1171	A Hybrid CNN Architecture with Abs-DPD Pooling and Attention-Based Feature Extraction for Kidney Cancer Detection in CT Scans	Dr. Dinah Ann Varughese
7	855	An Intelligent Disaster Response Drone for Victim Localization, Situational Monitoring, and Communication Restoration	Dhruthi S
8	1028	Explainable AI Enabled Brain Tumor Diagnosis using Vision Transformer Models	Sri Vaishnavi Varikuti

Session 3A – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 10:45 AM – 12:00 Noon | Venue : TE 201
Theme / Track *Track 1 -2: Emerging Technologies*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	240	Residual Multi-Layer Perceptron Framework for Pharmacogenomic Drug Response Prediction	DR Priyanka H
2	1219	NutriSafe: A Local-First Hybrid AI and Rule-Based Mobile System for Food Spoilage Risk Assessment	Tanushree Parkhi
3	118	Multi-Objective Flight Path Optimization Integrating Cosmic Radiation Exposure: A Machine Learning and Graph-Theoretic Approach	Nitya N. Kulkarni
4	947	DRONENET: A DEEP LEARNING-BASED ACOUSTIC FRAMEWORK FOR ROBUST UAV DETECTION AND SOUND CLASSIFICATION	Malini K
5	1195	A Non-Iterative Least-Squares Approach to Orbit Determination of Ceres from Angular Measurements	Sundaravel Sakthivel
6	1094	Autism Spectrum Disorder prediction Based on Multimodal Analysis of Neuroimages	Shravya K B
7	884	Continuous OT Asset Discovery and Cyber Risk Assessment Using Digital Twins	Nidhi Vinayak Kulkarni

Track 2 - Computing & Intelligent Systems

Session 1-B – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 02:00 – 03:45 PM | Venue : MCA Seminar Hall

Theme / Track *Track 2 - 1: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	104	An Attention-Guided Hybrid Deep Learning Framework Towards Domain-Invariant ECG Arrhythmia Recognition	Nidhi G D
2	105	Multi-Task Bacterial Colony Detection and Classification Using YOLOv8 with Edge Optimization for Resource-Constrained Deployment	Rohan Rajesh
3	112	Stochastic Acoustic Modeling Using Monte Carlo Simulation and Markov Chains: A Data-Driven Approach Benchmarked Against Industry-Standard Deterministic Methods	Gnanendra Naidu N
4	147	Real-Time Location-Based Safety Alert System with Multi-Channel Redundancy for Enhanced Personal Security	Sanjana Kathare
5	173	A Data-Driven Framework for Marketing Campaign Optimization Using Two-Factor ANOVA and Clustering	Prakash R
6	183	A Comparative Study of Edge AI Devices for Crop Disease Detection	Revathi G P

Session 2-A – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 04:00 – 05:45 PM | Venue : MCA Seminar Hall
Theme / Track *Track 2 - 2: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	224	Prompt Arena – A Multi-Level Framework for Assessing Prompt Engineering and Responsible AI Practices in AI-Assisted Programming	Dr Ganeshayya Shidaganti
2	271	Automated Testing Framework for Embedded Electronic Systems Using Python and PyVISA	Sarthak Mittal
3	285	DTARO: Zone-Scoped Cooperative Obstacle Awareness for Communication-Efficient Multi-Robot Coordination	Somanatha Basavanuty
4	286	ECHLEON: Secure MLOps Framework with Integrated Monitoring and Risk-Aware Inference	Karan R A
5	300	Poisson Noise Removal via Non-Convex Log Total Variation Regularization with Spatially-Adaptive Neural Parameter Estimation	Daksh Chauhan
6	322	Deterministic Patch-Based Edge Correction for Seamless Image Stitching	Jaya Sri Jawahar Sripathy
7	324	Edge-AI-Based License Plate Recognition for Intelligent Tolling and Parking Systems	M V Amarnath

Session 2-B – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 04:00 – 05:45 PM | Venue : BT 218
Theme / Track *Track 2 - 3: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	343	Supervisor-Driven Multi-Agent Orchestration for Legal AI with Conditional Chaining	Saurabh R
2	354	Multi-Agent Architecture for Intelligent Procurement and Negotiation Automation	Mridula G Narang
3	367	Immersive Virtual Chemistry Laboratory Using Extended Reality for Practical Science Education	Kavya R
4	371	Learning Outcomes and Student Experiences of Virtual Reality in Higher Education Mathematics: an Umbrella Review	Judith Jakob
5	373	Predictive Eco-Irrigation: Integrating AI and IoT for Water-Scarce Regions	Dr. Kallur V Vijayakumar
6	374	Context-Aware Retrieval-Enhanced Framework for Document Question Answering	Harsh Vardhan Singh
7	391	Analysing Performance Overheads of Post-Quantum TLS in Cloud Environment	Goutham M K

Session 3B – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 10:45 AM – 12:00 Noon | Venue : TE 202
Theme / Track *Track 2 - 4: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	411	Dual-Point Vibration Monitoring for Chatter Detection in Conventional Lathe Machines: A Low-Cost IIoT Retrofit for Indian SMEs	Gaurav Kumar
2	445	FinStruct: Multi-Channel Sparse Retrieval for Financial Document Question Answering	Divyashree H
3	458	5G-Enabled Intelligent Fall Detection System for Real-Time Safety Monitoring	Kusuma S M
4	462	A Hybrid Quantum-Classical Framework for Computational Speed Degradation Detection: A Simulation-Based Study for Industrial IoT	Dr Prabhavathi C N
5	488	Online Constrained MIMO Model Predictive Control for Turbocharged Engine Airpath Management	N Akshay Urs
6	495	EA-Real-ESRGAN: Edge-Aware Perceptual Loss for Real-World Image Super-Resolution	Chandrasekar MB
7	502	Voltage-Mode CMOS Leaky Integrate-and-Fire Neuron Circuits for Neuromorphic Systems	Dr Vishnu D

Session 3C – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 10:45 AM – 12:00 Noon | Venue : TE 203
Theme / Track *Track 2 -5: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	533	MicroGraph-K8s: A Spatio-Temporal Graph Dataset for Anomaly Detection in Kubernetes Microservice Environments	Nidhi Nitin Nag
2	561	Entropy-Linked Autonomous Propagation and Self-Erasure (ELAPSE): A Multi-Domain Ensemble Framework for Active Data Containment	Hitarth Mehra
3	599	A Parallel Hybrid CNN-Vision Transformer Framework for Accurate Brain Tumor Recognition from MRI Image	Nayana KN
4	613	SEDIR: A Dormancy-Aware Mathematical Model for Malware Propagation in Heterogeneous IoT Networks with Stochastic Trigger Activation	Sankalp Khamesra
5	622	NEUROSHIELD BRAINWAVE BASED MULTI-FACTOR AUTHENTICATION	De Sowmyashree M S
6	641	QueryMind: A Secure Multi-Tenant AI-Driven SQL Analytics System with MCP-Orchestrated Safety Validation	Navith
7	643	LiteStrokeEmbedNet: A Lightweight Hybrid Deep Embedding Framework for Brain Stroke CT Classification	Sachin B D

Session 4A – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 12:00 – 01:15 PM | Venue : TE 202
Theme / Track *Track 2 - 6: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	672	COMPANIONCUE: AN IOT AND AI-BASED SMART VOICE ASSISTANT FOR ELDERLY CARE	Able Gerard Saji
2	710	Noise-Aware Benchmarking of Hybrid Quantum-Classical Architectures Across Diverse Biomedical Datasets	Brunda G
3	742	BovineGuard: Temporal Behaviour-Based Identity-Aware Cattle Distress Detection and Monitoring	Dr. Manasa S M
4	794	Stress Detection via Keystroke Dynamics Using Random Forest Ensemble Learning with Sliding Window Augmentation	Nidhi HR
5	845	Cross-Encoder Brittleness in CLIP Prompt Inversion and an Ensemble Remedy	Noel S Mathew
6	867	Intelligent Adaptive Load Balancer with Real Time Monitoring, Auto Scaling and Fault Tolerance	Thrisha B P

Session 4B – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 12:00 – 01:15 PM | Venue : TE 203
Theme / Track *Track 2 - 7: Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	880	Agri-RAG: NLI-Gated Subgraph Pruning for Reliable Indian Agriculture Reasoning	Sachidanand Channayya Garampalli
2	948	EduAssessML: A Dependency-Aware Prerequisite Assessment Platform for Machine Learning Education	Nikita S Raj Kapini
3	958	Proactive Cloud Infrastructure Resilience Through LSTM-Based Failure Early Detection and Autonomous Multi-Agent Orchestration	Yogesh R Sindagi
4	964	An Intelligent Indoor Navigation Framework for Autonomous Voice-Controlled Wheelchairs Using Computer Vision and Grid-Based Path Planning	Shreyas R Gowda
5	969	Quantum Cryptanalysis in Practice: End-to-End Simulation of Shor's Algorithm for the Discrete Logarithm Problem Across Comprehensive Prime-Pair Parameters	Nandan M Shekar
6	972	Automated Y-Balance Test Assessment Using RGB Video for Dynamic Balance Evaluation	Leela Kanaka Durga M

Session 5A – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 02:00 – 03:15 PM | Venue : ET 201
Theme / Track *Track 2 - 8 : Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	1013	Efficiency-Driven Classical Vision for Textile Waste Sorting on Low-Cost Edge Devices	Tharun Premkumar
2	1015	Q-MedImager: Tensor-Train Accelerated Deep Reconstruction for Low-Dose Medical CT Imaging	Keerthana K
3	1020	eBPF-Driven Dual-Track Control Plane for FSM-Gated Autonomous Remediation of Containerized Workloads	Reema Sarkar
4	1022	FedShield: Physics-Informed Temporal Trust Aggregation for Byzantine-Resilient Federated Intrusion Detection in Industrial Control Systems	Pavan P S
5	1024	An Agentic AI Framework for Behavioral Risk Modeling of AIS-Silent (Dark) Vessels Using AIS–SAR Data Fusion	Pulluru Manaswi
6	1025	Implementation of paper FlagVNE: A Flexible and Generalizable Reinforcement Learning Framework for Network Resource Allocation	Manaswini Simhadri Kavali

Session 5B – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block Time : 02:00 – 03:15 PM | Venue : ETE Seminar Hall
Theme / Track *Track 2 - 9 : Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	1029	A Privacy-Preserving Framework for Real-Time Code Tampering Detection in DevOps Pipelines	Diya Prakash
2	1031	EdgeNeuro-Lite: A Lightweight Attention-Enhanced EEGNet Framework for Real-Time EEG Seizure Classification on RISC-V Edge Devices	S Geetha
3	1037	Robust Anomaly Detection for Industrial Control Systems Against Adaptive Reinforcement Learning Attacks	Rishab Rajesh Nayak
4	1063	DefencePath Analyzer: Attack Path Prediction and Mitigation through Graph Intelligence	Vibha Shankar Rao
5	1100	An Intelligent approach for Monitoring Patient–Ventilator Synchrony in Critical Care.	Shreya S Poojary
6	1126	DeepFakeShield: Automated Detection of Deepfakes and Misinformation in Social Media	Sumathi C
7	30	Phoenix: A Multimodal AI Pipeline and WebXR Streaming Architecture for VR Crime Scene Reconstruction	Mohit Raj N A

Session 6A – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block Time : 03:15 – 04:30 PM | Venue : TE 201
Theme / Track *Track 2-10 : Computing & Intelligent Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	1176	ADAPT-Trap: Reinforcement-Learning–Driven Adaptive Honeypot and Sandbox Network for Cyber Threat Intelligence	Rajshekar P
2	1178	Enhancing Graph Neural Network Performance Through Gumbel Softmax-Based Feature Selection	Sherin Rappai
3	1191	Real-Time Edge-Based Anomaly Detection System using Apache Kafka and Spark Structured Streaming	Sumithra Suresh
4	1199	Federated Deployment to Achieve Zero Downtime: A Comparative Study of Blue-Green, Canary, and Rolling Update Strategies	Prem Mahendra Naik
5	1208	AI-Enabled Skill Recognition and Employment Support Platform for Hands-On Workforce	Prathiksha Nayak
6	1209	Simulyn: A Server-Authoritative Framework for Virtual Programming Labs	Sunitha K

Track 3 - Sustainable Environment and Circular Economy

Session 2-C – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 04:00 – 05:45 PM | Venue : BioTech Seminar Hall

Theme / Track *Track 3 - 1: Sustainable Environment and Circular Economy*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	1087	Change-Aware Siamese U-Net for Satellite-Based Post-Disaster Building Damage Segmentation with Grad-CAM Explainability	Sindhura.R
2	737	Sustainable Biodegradable Hydrogel Electrodes Based on Kenaf Fiber and Chitosan for Wearable Healthcare Applications	Nethravathi
3	1116	Comparative Mechanical Assessment of Carbon-Jute and E-Glass-Jute Hybrid Laminates for Lightweight Structural Applications	Tillak S
4	256	Virtual inertia and optimization-based power management control in microgrids for enhanced voltage regulation and power sharing	J. Jayachandran
5	999	Model Predictive Control-Based Optimal Energy Dispatch for Renewable Energy Integrated Microgrids	Kuruva Akhila
6	504	First-Principles Analysis of Fe-Doped ZnO and Experimental Piezoelectric Energy Harvesting	Sanjay S
7	1169	Surface Engineering of Hexagonal Boron Nitride Nanosheets for Enhanced Thermal Characteristics of Epoxy Nanocomposites: A Comparative Study of APTES Functionalization and PEGylation Strategies	Dr. Jerrin Joy Varughese

Session 3D – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | 10:45 AM – 12:00 Noon | Venue : ETE Seminar Hall
Theme / Track *Track 3 - 2 : Sustainable Environment and Circular Economy*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	917	Adaptive Real-Time Carbon-Aware Hierarchical Workload Execution and Routing for Sustainable Cloud Systems	Shreya R
2	254	AirSense: AI driven Pipeline for High-Resolution Urban Air Quality Prediction	Rajashree Shettar
3	1058	The digital platform for monitoring forest and wildlife using AI	Venu Kumar C K
4	684	Proof-of-Concept Integration of IoT-Enabled UV-C Disinfection within Traditional Terracotta Water Storage Systems	Jithuri koushik
5	1038	Evaluation of Biofiltration Using Bacterial Extracellular Polymeric Substance and Activated Charcoal Entrapped in Alginate for Heavy Metal and Dye Remediation	Lokeshwari M
6	552	Air Pollution Attribution: Tracking Pollutant Transport Across Urban Monitoring Stations Using Regularised Inversion and Bayesian Inference	SriRam.A

Session 4C – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 12:00 – 01:15 PM | Venue : ETE Seminar Hall
Theme / Track *Track 3 -3: Sustainable Environment and Circular Economy*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	770	GENOMIC INTEGRITY AND MUTATION ANALYSIS SYSTEM	Kulandaivelu Ganesavelu Sakthivelu
2	924	Intelligent Hybrid Solar–Wind Microgrid with Source-Adaptive Switching and Proactive System Monitoring	Manish Shubhan
3	1032	Development of a High-Voltage Step-Up Non-Isolated Ćuk-Based Converter with DC Motor Drive for Electric Vehicle Applications	Aishwarya
4	1124	Structural and Spectroscopic Characterization of Zeolite 13X and a Triphenylamine COF as Post-Combustion CO ₂ Sorbents	Vinod Rajamani
5	1127	AI-Based Analysis of Biological Effects of THz Radiation	S Shreya
6	1223	Urban Air Quality Risk Index (UAQRI): An Integrated Geospatial Framework for Ward-Level Air Quality Risk Assessment and Urban Greening	Sunny

Track 4 – Data Science, Analytics, and Intelligent Decision Systems

Session 1-C – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 02:00 – 03:45 PM | Venue : MCA 005

Theme / Track *Track 4 - 1: Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	361	MAST-Rec: An LLM-Assisted Gradient-Boosted Framework for Explainable and Sustainable Hotel Recommendation	Ramesh Venkatachalapathy
2	1001	Unified Hybrid Image Forensics Pipeline Integrating Spatial–Frequency Deep Feature Fusion for Cross-Dataset Forgery Detection	Vanishri V Sataraddi
3	642	HLRAN: A Hybrid Lightweight Ridge-Aware Attention Network for Fingerprint Recognition Using Adaptive Feature Fusion	Ajay S
4	614	DiabEYetic Insight: A Consensus-Guided Reasoning Framework for Diabetic Retinopathy Classification	Nikita S Raj Kapini
5	455	Bullwhip Effect Evaluation in a Dairy Supply Chain – A Data Analytics Approach	Harsha vardan B P
6	841	A Multimodal Deep Learning Framework for Audience Engagement Prediction in Tenkutittu Yakshagana YouTube Videos	Anantha Murthy
7	904	A Low-Cost Hybrid IMU-Vision Wearable System for Real-Time Home Rehabilitation Assistance	Sapram Vijayashree
8	1113	CFTR Mutation Pathogenicity Detection Using DNABERT2 Embeddings and Downstream Classification	Nazeef Ahsan Rafiqui

Session 2-D – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 04:00 – 05:45 PM | Venue : MCA 005
Theme / Track *Track 4 - 2: Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	607	GA-Optimized Weighted Ensemble of ResNet50 and InceptionV3 with Transformer Attention for Brain Tumor Classification from MRI	Indresh Sahu
2	277	A Multi-Criteria Spatial Framework for Walkability and Accessibility Analysis in Urban Networks	Hemang Shrikar Desai
3	347	Design and Implementation of Hybrid Defense Mechanisms to Enhance Robustness of Deep Learning Models under Adversarial Attacks	Sanjana N
4	135	Real-Time Log Anomaly Detection Using Isolation Forest and Window-Based Behavioural Analysis	Manish Sabnis
5	1213	DeepRadText: An Integrated AI-Driven Clinical Decision Support System with Multi-Modal Medical Image Analysis and Evidence-Based Reasoning	Aditya Narayan
6	1218	QuBot: A Mobile Text-to-SQL System Using Local LLMs and Query Execution Validation	Richal Vanshika
7	1177	An End-to-End Embedded Pipeline for Dual-Modality Heart and Lung Sound Classification	Harshil Kundety

Session 3E – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | 10:45 AM – 12:00 Noon | Venue : TE 204
Theme / Track *Track 4 -3 : Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	995	Vasudha: A Multi-Model Layered Architecture for Sustainable Crop Optimization	Jiten Vijay Purswani
2	1035	Deep Reinforcement Learning-Based Parameter Optimization of Approximate Model Matching Controllers for High-Dimensional MIMO Systems	Manoj Samal
3	275	Learning-to-Rank Based Personalized Recipe Recommendation Using Multi-Feature Nutritional Modelling	Pedda Naga Bhavya Sree
4	1092	Graph-Based Urban Traffic Optimization Using Machine Learning and OpenStreetMap Data	Shriyansh Agrawal
5	1144	Demand Forecast–Based Inventory Optimization in Pharmacy Retail Using the Newsvendor Model	Dr. Gururaja H S
6	959	Hybrid Explainable Graph Neural Framework for Anti-Money Laundering in Ethereum-like Transaction Networks	Aditya s
7	730	Kamai: A Crowdsourced Real-Time Earnings Transparency and Spatial Allocation System for Quick-Commerce Delivery Workers in India	Kishan Bhat Kumble

Session 4D – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 12:00 – 01:15 PM | Venue : TE 204
Theme / Track *Track 4 - 4 : Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	683	A Deep Transfer Learning Framework for Gastric Cancer Tumour Tissue Analysis	Uma Shankari B
2	316	Modeling Political Misinformation Propagation in Social Networks : A Graph-Theoretic and NLP Hybrid Approach	Ullas H Gowda
3	897	Uncertainty-Aware Lagrangian-Constrained PPO for Autonomous Microgrid Energy Management with Explainable AI	Anjali Suresh Kalarikkal
4	307	AN INTEGRATED ANALYTICS FRAMEWORK FOR MANUFACTURING EXECUTION SYSTEMS	Suhas Peri
5	1088	Brain - Computer Interface for Developing Advanced Assistive Devices: A Deep Learning Framework for Motor Imagery EEG Classification	Sharanya Madhyastha
6	1222	Automated Fruit Quality Detection using Deep Learning Techniques	Teena G

Session 5C – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 02:00 – 03:15 PM | Venue : TE 203
Theme / Track *Track 4 - 5 : Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	508	rfMRI Data-Based Major Depressive Disorder Classification Using Static and Dynamic Functional Connectivity with Support Vector Machines	Sinchana Kolur
2	1097	FundSphere: An AI-Powered Hybrid RAG-Based Platform for Intelligent Grant Discovery, Eligibility Verification, and AI Proposal Assistant	Kashish Gaddigoudar
3	429	Assistive Technology for Individuals with Pathological Speech Disorders	Dr. Chandrashekar H M
4	661	Hybrid Attention-Based CNN–Transformer Framework for Early Diagnosis of Pancreatic Cancer Using Computed Tomography Images	Santosh Reddy P
5	537	Deep Learning Driven Identification and Interactive Visualisation of AYUSH Medicinal Plants	Shreyank Balaji
6	319	Edge AI Enabled Multi Sensor Smartwatch for Real Time Health Monitoring and Emergency Alert System	Shweta Dhareshwar
7	993	UA-RetNet: Risk-Controlled Multi-Disease Retinal Screening with Cross-Dataset Guarantee Transfer and Shift-Aware Recalibration	Md Samar Aazmi

Session 5D – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 02:00 – 03:15 PM | Venue : TE 204
Theme / Track *Track 4 - 6 : Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	553	Variational Mean Field Games for Adaptive Traffic Networks	Chetan M Patil
2	119	Cognitive PathFinder for Learning and Career Navigation	Sayyam Jain
3	916	An Explainable MetaFormer–Mamba Hybrid with KAN for Road Damage Classification on the RDD2022 Dataset	Rashmi M. Kittali
4	395	Development of an EEG-Based Machine Learning Model for Schizophrenia Detection: A case study on ASZED dataset	Namratha Shetty
5	1130	Mimir: AI-Driven Video Summarization Using Deep Learning and Retrieval-Augmented Generation for Efficient Content Management	Pavithra Manikandan
6	1189	EpiSentinel: A District-Level Dengue Outbreak Prediction and Advisory System for Karnataka, India	G N Disha
7	34	Real-Time Weed Detection in Cotton Fields Using a Hybrid YOLOv10n Model and Mobile Deployment using Edge AI	Revathi GP

Session 6B – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 03:15 – 04:30 PM | Venue : TE 203
Theme / Track *Track 4-7 : Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	1149	LogGuard: AI-Driven Log Observability System with Automated Root Cause Analysis	Deepthi Madugula Sharma
2	648	An Integrated AI Platform for Predictive Drug-Crime Analytics and Real-Time Drug Influence Detection in India	Srikanth S
3	1050	Computer Vision-Based Student Attention Tracking and Engagement Analysis System	Arya Dudalkar
5	491	Quantitative Analysis of High-Density Polyethylen Detection on and in Food Using Frequency Domain Fluorescence Imaging Microscopy	Nina Leiter
6	868	Metamodel-Based Optimization of a Less-Than- Truckload System Using Discrete-Event Simulation	Sonja Kuhnt
7	747	Deep Learning Driven-Anomaly Detection in Food Samples	Martin Versen

Session 6C – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 03:15 – 04:30 PM | Venue : TE 204
Theme / Track *Track 4- 8 : Data Science, Analytics, and Intelligent Decision Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	610	Decoding REM Sleep: An AI Framework for Identifying Mental Health Conditions and Dream-Associated Arousal	Surya P
2	657	Implementation of CNN-Based Image Classification on FPGA using FPG-AI and MobileNet-V1	Viktoria Stegemann
3	152	Day–Night Performance Evaluation of YOLOv8 for Camera-Based Vehicular Blind-Spot Detection	Nitya N. Kulkarni
4	604	FarmConnect: A Voice-Driven Adaptive Decision Support System for Aquaponic and Land Farm Planning with Multi-Scenario Financial Analysis	Chandan K
5	47	Spatiotemporal Modeling of Urban Growth in Bengaluru Using Satellite Data	Kiran Kumar S
6	835	EPI-FLAME: Explainable Privacy-Preserving Federated Graph Neural Networks for Epidemic Intelligence	Kaizen S

Track 5 - Advanced Electronics, Communication and Networking Technologies

Session 1-D – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 02:00 – 03:45 PM | Venue : BT217

Theme / Track Track 5 – 1 : Advanced Electronics, Communication and Networking Technologies

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	38	Design and Verification of SPI Core Design Using APB Interface for Embedded Platforms	Spoorthy K S
2	51	IoT-Driven Adaptive Robotic Rehabilitation System with Edge-Based Safety and Intelligent Control	Sahana B
3	94	Design and Verification of a Self-Healing Digital Architecture for Medical Signal Processing with Fault Detection and Autonomous Recovery Using System Verilog	Saanidhya Sajjan CV
4	136	Markov Chain-Based Graph Entropy Framework for Anomaly Detection in Wireless Sensor Networks	Ishitha Busetty
5	157	Deep Learning-Guided Adaptive Antenna Array Architectures for Sustainable Sixth-Generation Wireless Networks	Dr. Ramesh Amugothu
6	176	Low-Power RV32IM RISC-V Processor Architecture for Energy-Efficient Embedded Systems	Shalini M G
7	180	Implementation and Evaluation of a 10G Ethernet Offload Architecture on an AMD RFSoc Platform	Ayush Puttaraju
8	185	Blockchain-Enabled Reliable Emergency Alert Dissemination in Decentralized V2V Networks	Ailaboina Vijaya Lakshmi

Session 2-E – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 04:00 – 05:45 PM | Venue : BT 217
Theme / Track *Track 5 - 2: Advanced Electronics, Communication and Networking Technologies*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	223	Adaptive Scalable Multi-Bit Burst Error Correction Architecture for Reliable Embedded Memories	Sudeep S Kodad
2	344	Design and Verification of an Event-Driven Systolic Accelerator with Workload-Aware Scheduling	Pranav Sridhar
3	390	Design and Implementation of NOR based Memory Array for Embedded IoT devices	Dr Ibrar Jahan M A
4	409	Design and Coverage-Driven UVM Verification of an Enhanced Asynchronous FIFO for Reliable CDC	C S Mohit
5	492	Real-Time Sound Localization for Automotive Safety Using Microphone Array Signal Processing	Dhanishta Nathan
6	523	Design and Simulation of Combinational and Sequential Logic Circuits for a Ternary Digital System	S Prajan
7	527	Stealth Attacks on VLAN-Segmented University Networks Using Reinforcement Learning: A Comparative Study with CyberBattleSim	Sirisha Veluvolu

Session 4E – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 12:00 – 01:15 PM | Venue : TE 201
Theme / Track *Track 5-3 : Advanced Electronics, Communication and Networking Technologies*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	539	Machine Learning Based Traffic Prediction for Energy-Aware Congestion Management in Next-Generation Communication Network	Udhaya Sankari Surendra Kumar
2	560	Design and FPGA Implementation of a High-Security Low-Power AES-128 Encryption Architecture	Tulasi Prasad H
3	570	Design and Implementation of an Optimized AES-Based Encryption Core Using Lightweight S-Box and MixColumns	Tulasi Prasad H
4	656	OPTIMIZED DEEP NETWORK SOLUTION FOR AUTONOMOUS LANE DETECTION ON FPGA	Shreya Metri
5	699	Design and Simulation of a High-Gain Bidirectional Hybrid DC–DC Converter	Shanthi P
6	701	RapidRoute: A Multi-Layer V2X Emergency Corridor System with Predictive Signal Preemption, Cooperative Yielding, and Realistic Channel Modelling	Yadamreddy Navaneeth
7	762	Design and Develop ML-Based Predictive Cryptanalysis of RSA	Dhiya Janky

Session 5E – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 02:00 – 03:15 PM | Venue : TE 301
Theme / Track *Track 5 - 4 : Advanced Electronics, Communication and Networking Technologies*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	832	AI-Based Adaptive Cache Prefetching on RISC-V for Smart City Data Centers	Deepthi Prasad
2	860	Design and Evaluation of Hybrid Pseudorandom Number Generators for Hardware Security	Emani Sandeep Reddy
3	871	Array-Factor-Based Modelling of Frequency-Dependent Radiation-Mode RCS in CRLH Leaky-Wave Antennas	Mark Eberspächer
4	878	A Multiplierless Image Compressor in YCoCg Space using Probabilistic Run Length Coding Technique	M. Vinodhini
5	887	Real-Time Human Fall Detection Using Dual mmWave Radar with Automated Spatial Calibration and Sensor Fusion	Nikhil A E
6	921	Low-Cost FPGA Driven Neuromorphic Accelerator for Real-Time Sleep Apnea Detection via ECG and SpO2 Fusion	Aditya P.R
7	957	Automated Design Space Exploration of an Asymmetrically Scalable Approximate MAC Architecture for Dynamic Image Processing	Prem M

Session 6D – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 03:15 – 04:30 PM | Venue : TE 301
Theme / Track *Track 5-5 : Advanced Electronics, Communication and Networking Technologies*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	998	Energy-Aware Secure Cloud File Sharing Using OTP-Based Authentication and Symmetric Encryption	Likhitha C S
2	1008	Network Resilience Assessment in Hybrid Redundant Topologies Through ICMP, VLAN, and Protocol-Level Traffic Analysis	Chandrappa S
3	1027	Automatic Number Plate Recognition-Based Vehicle Intrusion Detection System Using Raspberry Pi Zero 2W	Gowthami T
4	1089	8 Channel WDM photonic link using shared laser technique	Nishanth Paramesh
5	1095	An FSM-Controlled Hybrid Cryptographic Engine Combining AES-Lite and SIMON-32/64 for Smart Grid Embedded Systems	Shrirang Pai
6	1138	Real-time Currency Denomination Recognition for Assistive Technology	Dhruthi S

Track 6 – AI & Ethics / Responsible AI Systems

Session 1-E – Paper Presentations Day 1 – 30 Oct 2026 | BT and MCA Block | Time : 02:00 – 03:45 PM | Venue : BT 218

Theme / Track *Track 6 - 1: AI & Ethics / Responsible AI Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	425	AI-Driven Pedagogy for Behavioral, Ethical, and Cognitive Learning	T Sukumar
2	853	MITRE ATT&CK-Grounded Threat Intelligence for Android Malware: A Hybrid RAG Architecture with Explainable Classification	Suchith H C
3	342	Agentic AI Framework for Automated Academic ERP Data Entry with Human-in-the-Loop Oversight	Raghuram P S
4	137	A Comparative Performance Evaluation of YOLOv8, YOLOv10, and YOLOv11 for Vehicle Detection and Traffic Density Estimation in Tumkur City	Kiran K G
5	87	AICloudOS	Muruges
6	746	Transformer-Based Static Malware Detection and Family Classification Using Portable Executable Features	Nandan Kumar S
7	857	Resolving Expert Conflict in Healthcare AI: A Hybrid Neutrosophic Z-Number Medical Expert System	Dr. Kallur V Vijayakumar

Session 3F – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | 10:45 AM – 12:00 Noon | Venue : TE 301
Theme / Track *Track 6 -2 : AI & Ethics / Responsible AI Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	1210	Optimizing Schedule Creation Using a Deterministic Algorithm	S.Manonmani
2	675	An Empirical Study of Label-Free Deepfake and AI-Content Detection	Chandana Y R
3	633	Real-Time Engagement-Aware Adaptive Learning in Fog-Cloud Architectures	Shreya Ammalajeri
4	460	A Unified Competency-Driven and Difficulty-Aware Framework for Prompt-Model Recommendation in LLM-Based Mathematics	Shreelakshmi G Bhat
5	861	SecureSign: Secure Edge-AI-Powered Indian Sign Language Gesture Communication System	Dishita Reddy Garudadri
6	360	Detection of Adversarial Attacks in Healthcare Prediction Systems Using Federated Learning: A Survey	Padmavathi S

Session 4F – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 12:00 – 01:15 PM | Venue : TE 301

Theme / Track	Track 6-3 : AI & Ethics / Responsible AI Systems
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SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	520	FusionTumorAI: A Multimodal 12-Agent Autonomous Framework for Volumetric Lung Cancer Diagnostics, Radiomic Profiling, and MLOps Cloud Orchestration	S Kushal
2	1201	Crash Severity Modeling from Event Data Recorder: An Explainable Ensemble Approach	Nidhi L
3	241	CORE: A Campus-Oriented Retrieval Engine	Vinaya Singh P
4	1056	PolluSkin AI: An Intelligent Deep Learning Approach to Skin and Scalp Disease Classification Based on Environmental Pollution Data	Priyanka B
5	1062	PatentIQ: An Agentic AI Framework for Automated Patentability Assessment through Multi-Source Prior-Art Retrieval	Chirag Chintaal
6	668	UVM Based Functional Verification of RISC-V Processor	Nitin Kumar Soni

Session 5F – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 02:00 – 03:15 PM | Venue : TE 202
Theme / Track *Track 6 - 4 : AI & Ethics / Responsible AI Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	652	UVM-Based Functional Verification of UART, I2C, and SPI Communication Protocols	Prajwal Mahantesh Vanarotti
2	669	Hardware-Efficient FPGA Implementation of a 4-Input Binary Neural Network for Real-Time Weather Prediction	Aditya Sarap
3	109	A Hybrid RAG-SQL Framework for Context-Aware and Hallucination -Resistant Query Processing in LLMs	Ashith Jain B N
4	41	When Explanations Lie: A Multi-Dimensional Taxonomy of XAI Failure Modes in Spurious Correlation Settings	Kambhampati Aasrika
5	406	Explainable AI- Based intrusion detection system	Dr. Chitra K

Session 6E – Paper Presentations Day 2 – 31 Oct 2026 | ETE Block | Time : 03:15 – 04:30 PM | Venue : TE 202
Theme / Track *Track 6-5 : AI & Ethics / Responsible AI Systems*

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	852	FAIRHIRE – Explainable Counterfactual Reasoning for Fair and Transparent Decisions in Employment System	Anvesh A Rai
2	1136	Transfer Learning-Based ResNet-18 Framework for Automated Neonatal Jaundice Classification	Kottaimalai Ramaraj
3	1236	Artificial Intelligence Driven Nadi Pariksha for Disease Classification and Prediction	Arun S
4	177	Privacy-Preserving RAG via Semantic Query Transformation	Sneha Shetty
5	69	RSPA for Crop Stress Prioritization Using Expert Rule Engine and Grad-CAM Explainability	Yug Patel
6	849	Curriculum Learning with GNN-based Reinforcement Learning for Job Shop Scheduling	Jayakrishnan Kalayilputhenpurayil Vasudevan

Track Online

Session 3G – Online Paper Presentations Day 2 – 31 Oct 2026 | Civil Block | 10:45 AM – 01:00 Noon | Venue : Civil Seminar Hall

SL NO	PAPER ID	TITLE OF THE PAPER	PRESENTER
1	528	Dynamic Spatio-Temporal Road Accident Risk Intelligence and Hotspot Detection using Apache Spark	Pranavi teja
2	525	RAG-Based Large Language Model for Agricultural Advisory: A Multi-LLM Comparative Evaluation	Pranavi teja
3	315	Trustworthy AI for Retinal OCT Screening: Evidential Deep Learning with Uncertainty-Guided Explainability and Clinical Decision Support	Abhyud Krishna
4	194	A Grid Connected PV System Fault Prediction Scheme Using Ensemble Stacking, SHAP, Combined Feature Selection, and GPVS Dataset	Mahfuzulhoq Chowdhury
5	187	CogniTrace: Adaptive Behavioral Identity Drift Modeling for Continuous Trust Intelligence	Darshan Hegde
6	222	IoT-Based Smart Hydroponic System for Automated Farming	Sindhu K
7	717	Operational Technology Asset Discovery and Segmentation Tool with Preliminary IEC 62443 SL (Security Level) 2 Compliance Check for SMBs	Shanoob N K
8	726	Efficient Deep Learning Framework for Hate Speech Detection in Resource-Scarce Indian Languages	Suryansh Tyagi
9	117	A Hybrid Blockchain–AI Ensemble Framework for Tamper-Resistant Financial Transaction Fraud Detection	Vijeta
10	171	Neuro Detect: Early Spotting of Alzheimer's Disease Using AI Deep Learning, With Feed Forward Neural Networks, Convolutional Neural Networks and MRI Integration	Nambi V C

