

7th INTERNATIONAL CONFERENCE ON ADVANCES IN COMPUTER ENGINEERING AND COMMUNICATION SYSTEMS(online) ICACECS 2026

6th & 7th August 2026

Organized by

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

VALLURUPALLI NAGESWARA RAO VIGNANA JYOTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

In collaboration with

UNIVERSITY OF NORTH TEXAS, COLLEGE OF INFORMATION, USA

& Co-located at

PRESIDENCY UNIVERSITY, BENGALURU, INDIA

Tracks wise Schedule

Track-1:

Track Coordinator with contact number: Ms A Sandhya Rani 93462 99918

: Date and Time: 6th Aug 2026 from 1:30AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
448	A TRUSTFUL TASK-BASED MULTI-MODAL RAG USING LANGCHAIN FOR RESEARCH KNOWLEDGE MANAGEMENT IN ACADEMICS	Dr Alamelu Mangai J
478	Artificial Intelligence based Hybrid Strategies for False Positive Reduction in Anomalous Network Activity Detection	Dr AMALRAJ VICTOIRE TANGARADJOU
479	Smart crop recommendation system for farmers using soil and climate data	Dr Dr. Anand Prakash
1102	Automated Schema Induction for Standardised IPL Event Ontology Construction from Cricket Commentary	Ms Abseena Habeeb
1146	Adversarial Learning-Based Stress Testing and Security Hardening of Blockchain Smart Contracts	Mr Pallati Narsimhulu
1801	A Multi-Channel Retrieval-Augmented AI SaaS Platform for Real-Time Conversational Agents Across Web, Social Media, and Voice Interfaces	Dr Napa Lakshmi
1830	Agentic orchestration and integration of PBX and SaaS CRM Platforms.	Mr Sai Sidharth Sambasivan Chettiyar
1833	Lightweight Secure Compression Scheme for Energy-Efficient Green IoT Applications	Ms Rudra Harshitha
1841	FAI-XGB: An Interpretable Hybrid Framework Using Gradient Boosting, Autoencoder-Based Anomaly Learning, and Association Rule Mining for Insurance Fraud Detection	Mr Indresh Elluru
1845	RFA-Net: Ridge-Focused Attention Network for Fingerprint Matching Under Extreme Distortion	Ms Surabhi Gautam

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Tracks wise Schedule

Track-2:

Track Coordinator with contact number : Ms N Sarika 9908630569

Date and Time: 6th Aug 2026 from 1:30AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
482	Unsupervised Fabric Defect Detection Using Classical Texture Feature Ensembles on Woven Textile Crops	Mr Balaji Jadhav
535	Context-Aware Preprocessing for Software Requirement Classification	Ms Krupa Patel
581	FalsifyNot: Resource-Efficient Retrieval-Augmented Fake News Verification	Mr Venkataramana Battula
1233	Studying the Barrier to Green Entrepreneurship in Nagaland Using Fuzzy-DEMATEL	Dr Dr Elangbam Haridev Singh
1346	Intelligent Real-Time School Transport Monitoring and Delay Prediction System	Mr Uppala Bhaskar
1417	PersonaViz: A Real-Time Personalized Visualization Framework for Reducing Cognitive Overload in Executive Decision-Making	Mr Ashok Kumar Kakarla
1426	Ontology-Driven NOS Harmonisation and Structured NLP Pipeline for Scalable Digital Clinical Trial Protocol Design in Neurological Disorders	Mr Rajesh Gudapati
1488	Embedding Compression Trade-offs in Retrieval-Augmented Generation : PCA, Matryoshka Truncation, and Random Projection	Mrs Anuradha Onkar
1670	AU-PGAT: Action Unit-Guided Prototype Graph Attention Transformer for Facial Expression Recognition in the Wild	Mr ALI NAJI SALAMI
1864	Hybrid CNN-Transformer Architectures for Multi-Label Chest X-ray Classification: A Controlled Comparative Study	Dr Sravani Nalluri

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Tracks wise Schedule

Track-3:

Track Coordinator with contact number : Ms. Nagma Fariyal, Assistant Professor Presidency
University(63638 68733)

Date and Time: 6th Aug 2026 from 1:30AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
98	VeloRoute-B: A GRNN-Based Predictive and Controlled Rerouting Framework for Delay Reduction in VANETs	Dr Dr. K Jyostna
396	Optimizing Retrieval-Augmented Generation with Parameter-Tuned Local LLMs for Real-Time Disaster Response and Early Warning System	Ms Sagarika Jonnagadda
460	Bridging Supervised and Self-Supervised Transformers: ViT-B/16 and DINOv2 Feature Fusion for Scalable FAISS-Based Image Retrieval	Dr D Sirisha
645	Advanced Social Media Content Summarization Using PSO-Optimized LSTM-Gated RoBERTa with Reinforcement Learning and Graph Neural Networks	Ms M.VINITHA
957	Computer Vision–Based Real-Time Traffic Violation Detection System for Enhanced Road Safety	Ms Nagireddy Abhigna
1073	Deep Learning Based Audio Spectrogram Classification for Early Detection of Alzheimer’s Disease Using EfficientNetB0	Mr Rohith R
1227	Machine Learning-Based Fault Classification in Power Transformers Using Dissolved Gas Analysis	Dr Shashidhar Kasthala
1671	Human Posture Monitoring System using SiWG917 for Low-Power IoT Applications	Dr Narra Dhanalakshmi
1725	High-Performance Streaming FPGA Accelerator for SqueezeNet based Soyabean Weed Detection	Dr B B Shabarinath
1764	LHAF-SDN: A Lightweight Hybrid Authentication Framework for Secure Southbound Communication in Software-Defined Networks	Mr Gundepogu Venugopalarao

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Tracks wise Schedule

Track-4:

Track Coordinator with contact number : Ms. Ghazala Zameer, Assistant Professor Presidency University(80777 52556)

Date and Time: 6th Aug 2026 from 1:30AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
115	Advanced Deep Learning Approaches for Automated Defect Detection in FDM 3D Printing: A Comprehensive Review	Mr NISHANTH R
245	Freshness Detection of Cucumbers (Cucumis Sativus L.) using YOLO Models: Advancements in Quality Control	Mr Jeevan Prakash J
833	Enhanced IRS-Aided THz Communication using Adaptive Spectral Clustering and Joint Beamforming Optimization	Dr Dr. Kalpana Naidu
1492	Affective Route Optimization: Using Real-Time Emotional Feedback for Dynamic Navigation in Smart Vehicle	Ms Charuhasini P
1541	Edge-AI Based Architecture for Smart Healthcare and Urban surveillance	Dr KIRUBA BURI .R
1571	VDHM: An Offline-First Mesh-Based Telemedicine Framework for Rural Healthcare Access in India	Ms Anushree S Jambagi
1622	An Approach of Artificial Neural Networks and Cryptography for Secure Data Communication in Internet of Things	Dr Dr. Voore Subrahmanyam
1690	Vision Enhancement in Hazy Images using Deep Learning	Dr GOLLAPUDI RAMESH CHANDRA
1855	Entropy-Regulated Proximal Policy Optimization for Safe Closed-Loop Insulin Delivery in Type 1 Diabetes	Mr Mohammad Ashraf Baig
1857	DeepREAP: Integrating Regressive Ensemble Demand Prediction with Deep Reinforcement Learning for Cloud Resource Allocation	Ms Suma Sunil Nagral

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Tracks wise Schedule

Track-5:

Track Coordinator with contact number : Mr K Akhil 97018 76271

Date and Time: 6th Aug 2026 from 6:00PM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
1630	An Intelligent Conversational Payment Architecture for Real-Time Customer Engagement and Transaction Automation	Mr Sai Sidharth Sambasivan Chettiyar
1632	A Blockchain-Based Distributed Ledger Framework for Telecom Consent Management and Unsolicited Commercial Communication Prevention	Mr Sri Pavanendra Gandikota
1648	A Zero-Trust Microservices Architecture for Secure Enterprise Expertise Discovery: Design and Implementation	Mr Sandeep Sarngadharan
1651	An Enterprise Integration Framework for Zero-Touch Order Processing and Financial Automation in Oracle E-Business Suite Using AIA-OAGIS Business Object Documents	Mr Sreedhar Chenna
1673	A Scalable Enterprise Reporting Modernization Framework Using Snowflake and Tableau for Self-Service Analytics	Mr Vikram govindan
1763	Enterprise-Scale Architecture Unifying Virtual Primary Care and Mental Health Service	Mr Sridhar lanka
1765	A Scalable OSS/BSS Modernization Framework for Satellite Communications: Integrating Provisioning, Revenue Assurance, and Partner Monetization in Hybrid Cloud Environments	Mr Naveen Kumar Gadipe
1768	An Extensible SDK Architecture for Efficient Cross-Platform Diagnostics and High-Precision Location Analytics	Mr Tharun Kumar Nallamotheu
1798	Designing an Enterprise Unified Data Platform (UDP) on Databricks: A Medallion Architecture Framework for Multi-Source Data Consolidation, Data Modeling, AI-Powered Analytics, and Scalable Data Governance	Mr Murugan Ambalakannu
1850	World Models for RL How Agents Will Learn by Simulating Reality Internally	Mr Srikanth Mannem
1851	Modernizing Global Technical Services: A Functional Architecture for Multi-Regional Sample Delivery Management	Mr SAMEEL SYED
1852	AI Native Spend Classification Frameworks: A Transformer Driven Hybrid Architecture for Intelligent Procurement Analytics and Enterprise Spend Intelligence	Mr Kartheek Chandra Ambati
1874	AI-Driven Compliance-Aware DevSecOps Framework for Zero-Downtime	Dr Venkata Raja Anil Kumar

	Oracle Utilities CC&B Release Automation in Regulated Energy Enterprises	Suddala
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Tracks wise Schedule

Track-6:

Track Coordinator with contact number : Ms N Praveen Kumar 90521 75886

Date and Time: 7th Aug 2026 from 11:00AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
619	Comprehensive Parametric Sensitivity, Statistical Validation, and Security Performance Tradeoff Modeling of Modern Password Hashing Algorithms	Dr Divyashree D
638	Image Super Resolution for Disease Detection in Strawberry Plant Leaf using Thirtytwo Fold Broaden Residual Network (TFBRN)	Mrs Metta Jyothi
774	Chaotic Deep Belief Network Weighted Approximation For Enhanced Matrix Factorization In Recommendation Systems	Dr Buvaneswari Natarajan
988	Momentum and Stability-Driven Noise-Robust FCM (MSDNR-FCM) Clustering in Noisy or Complex Dataset	Mr KALYAN KUMAR DAS
1011	Intelligent Crop Recommendation Using Ensemble and Probabilistic Machine Learning: A Comparative Study of Cat Boost, XG Boost, Random Forest and Gaussian Naive Bayes	Ms Kusum Lata
1493	Lightweight Machine Learning-Based Intrusion Detection System for DDoS Attack Detection in Resource-Constrained IoT Devices	Ms Nisha Kumari
1665	Classifying Academic Procrastination Using TabTransformer Architecture on Item-Level Likert-Scale Responses	Mr Zhang Yanbin
1666	An Integration of YOLOV5 with Squeeze-and-Excitation Attention for Traffic Sign Recognition on Chinese Road Scenes	Mr Chen Yuhong
1707	Hybrid Community Detection-Based Link Prediction for Dynamic Network Analysis	Ms Gatadi Ashwitha
1847	How Reliable Are VLM Judges? Conformal Prediction Reveals Task-Dependent Uncertainty in Multimodal Evaluation for Generative AI Systems	Mr Edwin David



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Tracks wise Schedule

Track-7:

Track Coordinator with contact number : Ms I Sana 93461 69025

Date and Time: 7th Aug 2026 from 11:00AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
925	An AI-Based Visitor Recognition Module for Dementia Assistance Using Face Embeddings	Mrs Manpreet Kaur
928	Deep Learning Framework for Estimating Star Formation Activity in Galaxies	Ms Kashish Mandhane
1149	AI on the Edge: A Survey of Threat Detection Systems for Smart CCTV Cameras	Ms Shruthika Sunku
1159	Intelligent Inventory Management: A Literature Review on Reinforcement Learning, Genetic Algorithms, and Demand Forecasting	Mr Sujay Nimmagadda
1170	Actionable Satellite Image Super-Resolution for Precision Agriculture: A Systematic Review of Deep Learning Methods	Ms Nithyashree DR
1172	Explainable Lightweight Vision Transformer for Plant Disease Detection in Farmer-Centric Edge Intelligence Systems	Ms Eluri Hema Padmini
1870	Conversational Image Recognition Chatbot	Mr Peddaboina Yamuna
1875	A Multi-Level Semantic Assessment Framework for Automated Answer Evaluation, Score Prediction, and Personalized Feedback	Dr Muruganandham Rajagopal

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Tracks wise Schedule

Track-8:

Track Coordinator with contact number : Ms Ch Suresh Kumar Raju 81212 85286

Date and Time: 7th Aug 2026 from 11:00AM onwards(IST)

PID	Paper Title	Name of the Corresponding Author
9	Design and Development of a Smart Helmet for Accident Detection and Emergency Reporting	Dr T.V.Suresh Kumar
886	Integrated Decision Intelligence Framework for Quantifying Supply Chain Optimisation Readiness Using Fuzzy AHP–TOPSIS, XGBoost Ensemble Learning, and Covariance-Based SEM	Mr Manish Gupta
1175	Hybrid Machine Learning Framework for Predictive Fault Detection in Cloud Computing Environments	Mr Nilesh Dnyaneshwar Bhandarwar
1637	An Optimized Lightweight Authentication Framework for Energy-Efficient IIoT Edge Systems	Dr Dr. Voore Subrahmanyam
1020	AI-Driven Cloud Security: Behavioral Anomaly Detection and Graph-RAG Enrichment for AWS CloudTrail	Dr D. Sirisha
1865	Annotation-Efficient Image-Level Deep Learning Framework for Three-Class Osteosarcoma Histopathology Image Classification	Dr Sravani Nalluri
1866	Implementation of Quantum Circuit of SHA-3 (256)	Dr G. Padmavathi
1867	High-Performance Data Structures for Dynamic Graph Processing on GPUs	Mr Pasupuleti Venkata Vivek Vardhan
1868	Efficient and Secure Distributed Cloud Storage with Elliptic Curve Cryptography and Green Proof of Data Possession	Mr Shiak Khaleel

Program Chairs

Dr N Sandeep Chaitanya

Dr P Tejaswi