



PROGRAM SCHEDULE

2025 5th International Conference on Artificial Intelligence and Signal Processing (AISP)

**Technically Co-Sponsored by IEEE Hyderabad Section
22nd –24th November 2025**

**Organized by:
School of Electronics Engineering
VIT-AP University, Amaravati, Andhra Pradesh, India**

In association with:



Sponsor:



Associate International Universities:



Day-1, Saturday, 22 nd Nov 2025		
09:00 AM - 10:00 AM	Registration	Venue: AB2 Ground Floor.
10:00 AM - 10:50 AM	Inauguration	Venue: Prakasam Auditorium (AB2) https://meet.google.com/itv-xtqx-hxu
10:50 AM - 11:00 AM	Tea/Coffee Break : Prakasam Auditorium Lobby (AB2)	
11:00 AM - 11:50 AM	Keynote Address by: Dr. Surendra Pal (FIEEE, ISRO) Topic: Antenna Technology : Some Aspects Session Host: Dr. M Sucharitha	Venue: Prakasam Auditorium (AB2) https://meet.google.com/itv-xtqx-hxu
11:50 AM - 12:00 PM	Session Break	
12:00 PM - 01:15 PM	Track 1A	Session Chair: Dr. Vijayalata Yellalari (Past Chair IEEE HYD , VCE) Session Host: Dr. Ravindra Dhuli /Dr. K N V P S Rajesh Venue: Prakasam Auditorium (AB2) https://meet.google.com/ukq-vtrw-xen
	Track 1B	Session Chair: Dr. Swarnasri M (RVR & JC) Session Host: Dr. B.Ramakrishna/ Dr. Girish Kumar Mekala Venue: Newton Hall (AB1 4 th Floor) https://meet.google.com/thi-ymue-ztj
	Track 1C	Session Chair: Dr.Y Padma Sai (VNR VJIET) Session Host : Dr. M Mahesh Venue: Einstein Hall (AB1-1 st Floor) https://meet.google.com/spo-auvj-vbz
	Track 1D	Session Chair: Dr. Sreenivas Jasti (TCS) Session Host : Dr. Anil Kumar Nayak Venue: Board Room (AB1 1 st Floor) https://meet.google.com/ptu-vjzu-thi
	Track 1E	Session Chair: Dr. Ameet Chavan (VIT-AP), Dr. Amarjit Roy (GKCIET, WB) Session Host : Dr. M Sucharitha Venue: IIEC Board Room (CB-206) https://meet.google.com/iug-ktwa-noa
	Lunch Break (Rock Plaza, Dance Floor)	
	Keynote Address by: Prof. S.V. Kulkarni (FIEEE, IIT Bombay) Topic: Applications of AI in Electrical and Electronics Engineering: An Overview Session Host: Dr. Lakhan Dev Sharma Venue: Prakasam Auditorium (AB2) https://meet.google.com/tfm-gfjr-xui	
02:00 PM - 02:50 PM		

02:50 PM - 03:45 PM Special session on current research	Session by: IEEE Guntur Sub Section/VIT-AP IEEE SBC Dr. Usha Rani Nelakuditi (VFSTR, Guntur) Session Host : Dr. Sucharitha M/Dr. Swati Shukla/ Dr. Saladi Saritha/Dr.Neha/ Dr.Jayashree Pradhan		Venue: Prakasam Auditorium(AB2) https://meet.google.com/kua-nxby-tup
03:45 PM - 04:50 PM	Track 1F	Session Chair: Dr. Moirangthem Santoshkumar Singh (VR Siddhartha AP, India) Session Host : Dr. Saladi Saritha	Venue: Prakasam Auditorium(AB2) https://meet.google.com/mdw-wuin-jzr
	Track 1G	Session Chair: Dr. Nihar Ranjan Pradhan (SRM, AP) Session Host : Dr. Lakhdev Sharma	Venue: Newton Hall (AB1 4 th Floor) https://meet.google.com/ihq-pcqm-qaf
	Track 1H	Session Chair: Dr. Gaurav Upadhaya (MNIT Bhopal) Session Host : Dr. Rohit Lorenzo	Venue: Board Room (AB1) 1 st Floor https://meet.google.com/ahq-zfdq-ryo
	Track 1I	Session Chair: Dr. Shahadev Hake (PICT, Pune) Session Host : Dr. Jayendra Kumar	Venue: IR Board room (AB1-214) https://meet.google.com/umk-txxr-iup
04:50 PM - 05:00 PM	Tea/Coffee Break: Prakasam Auditorium Lobby (AB2)		
05:00 PM to 06:00 PM	Cultural Program By VIT-AP IEEE SB associate with VIT-AP clubs		Venue: Prakasam Auditorium (AB2)

Day-2, Sunday, 23rd Nov 2025			
10:00 AM - 10:45 AM	Keynote Address by : Prof. Neeleshb Mehta, (FIEEE, IISC Bengaluru) Topic: 4G to 6G: Past, Present, and Future Session Host : Dr. Lakhan Dev Sharma		Venue: Newton Hall (AB1 4 th Floor) https://meet.google.com/ukt-wgyn-pmz
10:45 AM - 11.00 AM	Tea/Coffee Break: Newton Hall Lobby		
11:00 AM - 01:15 PM	Track 2A	Session Chair: Dr. Subasish Mohapatra (OUTR, Odisha)	Venue: Newton Hall (AB1 4 th Floor) https://meet.google.com/hby-umuc-sfs
		Session Host: Dr. Umakanta Nanda	
	Track 2B	Session Chair: Dr. Asis Kumar Tripathy (VIT, Vellore)	Venue: Einstein Hall (AB1 1 st Floor) https://meet.google.com/icw-nfrr-gph
		Session Host: Dr. Lakhan Dev Sharma	
	Track 2C	Session Chair: Dr. Satyabrata Swain (Intel)	Venue: Board Room (AB1 1 st Floor) https://meet.google.com/uvz-qvaz-jxa
		Session Host : Dr. Atul Shankar Mani Tripathi	
	Track 2D	Session Chair: Dr. Ram Kumar (KEC, Bihar)	Venue: IR Board room (AB1-214) https://meet.google.com/umk-txxr-iup
		Session Host : Dr. Jayendra Kumar	
01:15 PM - 02.00 PM	Lunch Break		
02:00 PM - 02.50 PM	Keynote Address by Prof. Amine Bermek (FIEEE, HBKU, Qatar) Session Host: Dr. Bappadittya Roy		Venue: Prakasam Auditorium (AB2) https://meet.google.com/myk-daoe-jre
03:00 PM – 05:15 PM	Track 2E	Session Chair: Dr. Avishek Chakraborty (GITAM)	Venue: Newton Hall (AB1 4 th Floor) https://meet.google.com/myk-daoe-jre
		Session Host: Dr. Bappadittya Roy	
	Track 2F	Session Chair: Dr. Sankanta Bhanjan Prusty (REVA University)	Venue: Einstein Hall (AB1 1 st Floor) https://meet.google.com/eyx-fuft-yhr
		Session Host : Dr. Lakhan Dev Sharma	
	Track 2G	Session Chair: Dr. Akshay Bhosale (Symboysis, Pune)	Venue: Board Room (AB11 st Floor) https://meet.google.com/mum-qfsq-cmk
		Session Host : Dr. Atul Shankar Mani Tripathi	
	Track 2H	Session Chair: Dr. Pritam B. Nikam	Venue: IR Board room (AB1-214) https://meet.google.com/umk-txxr-iup
		Session Host : Dr. Jayendra Kumar	
Track 2P	Session Chair: Dr. Arnab De	Venue: IIEC Board Room (CB-206) https://meet.google.com/hby-umuc-sfs	
	Session Host: Dr. Umakanta Nanda		
05:15 PM - 05:30 PM	Tea/Coffee Break		Venue: Newton Hall (AB1 4 th Floor)

Day-3, Monday, 24th Nov 2025		
10:00 AM - 10:50 AM	Keynote Address by: Prof. Ljiljana Trajkovic (Simon Fraser University) Session Host: Dr. Swati Shukla	
10:50 AM - 11:00 AM	Tea/Coffee Break	
11:00 AM - 01:15 PM	Track 3A	Session Chair: Dr. Dhulipalla Venkata Rao (SRM) Session Host: Dr. Jayashree Pradhan / Dr. Chandan Kumar Pandey
		Venue: Newton Hall (AB1 4th Floor) https://meet.google.com/kua-nxby-tup
	Track 3B	Session Chair: Dr. Sibendu Samanta (SRM AP) Session Host: Dr. Suseela Vappangi
		Venue: Board Room(AB1) 1st Floor https://meet.google.com/rhu-sqqa-uve
	Track 3C	Session Chair: Dr. S Shit (SRM) Session Host : Dr. Mohit Kumar/Dr. Agam Das Goswami
		Venue: IR Board Room (AB1-214) https://meet.google.com/ory-zkeg-bzy
	Track 3D	Session Chair: Dr. Partha Pal (CMERI-CSIR) Session Host : Dr. Neha Gupta / Dr. Nalluri Purnachand
		Venue: Einstein Hall (AB1 1st Floor) https://meet.google.com/bqx-rdzf-yss
01:15 PM - 02:00 PM	Lunch Break	
02:00PM - 3:00PM	Keynote Address by: Prof. Erik Cambria, NTU Singapore Topic: Session Host: Dr. Rajeev Sharma / Dr. Chandan Nayak	
03:00 PM - 05:15 PM	Track 3E	Session Chair: Dr. C M Roy (VIT, Chennai) Session Host : Dr. Chandan P / Dr. Jayashree Pradhan
		Venue: Newton Hall (AB1 4th Floor) https://meet.google.com/dsg-brii-bce
	Track 3F	Session Chair: Dr. Kattupalli Sudhakar (LBRCE) Session Host : Dr. Chandan Nayak
		Venue: Board Room (AB1 1st Floor) https://meet.google.com/aog-kpdg-ivy
	Track 3G	Session Chair: Dr. C.Bennila (RMD, Chennai)/ Session Host : Dr. Gurumurthy Komanapalli
		Venue: Einstein Hall (AB1) https://meet.google.com/eab-rzhp-pns
	Track 3H	Session Chair: Dr. A Bhattacharya (HETC, Hooghly) Session Host : Dr. Khairnar Vikas Vishnu
		Venue: IR Board room (AB1-214) https://meet.google.com/dwp-pjpm-upg
05:15 PM - 05:30 PM	Tea/Coffee Break	
05:30 PM - 06:00 PM	Valedictory Function and Prize Distribution	

Track Summary Table (Timing + Venue)

Day-1: 22 Nov 2025

Track	Time	Venue
1A	12:00 PM – 01:15 PM	Prakasam Auditorium (AB2)
1B		Newton Hall (AB1 – 4th Floor)
1C		Einstein Hall (AB1 – 1st Floor)
1D		Board Room (AB1 – 1st Floor)
1E		IIEC Board Room (CB-206)
1F	03:30 PM – 04:45 PM	Prakasam Auditorium (AB2)
1G		Newton Hall (AB1 – 4th Floor)
1H		Board Room (AB1 – 1st Floor)
1I		IR Board Room (AB1-214)

Day-2: 23 Nov 2025

Track	Time	Venue
2A	11:00 AM – 01:15 PM	Newton Hall (AB1)
2B		Einstein Hall (AB1)
2C		Board Room (AB1 – 1st Floor)
2D		IR Board Room (AB1-214)
2E		Newton Hall (AB1 – 4th Floor)
2F	03:00 PM – 05:15 PM	Einstein Hall (AB1)
2G		Board Room (AB1 – 1st Floor)
2H		IR Board Room (AB1-214)
2P		IIEC Board Room (CB-206)

Day-3: 24 Nov 2025

Track	Time	Venue
3A	11:00 AM – 01:15 PM	Newton Hall (AB1 – 4th Floor)
3B		Board Room (AB1 – 1st Floor)
3C		IR Board Room (AB1-214)
3D		Einstein Hall (AB1)
3E		Newton Hall (AB1 – 4th Floor)
3F	03:00 PM – 05:15 PM	Board Room (AB1 – 1st Floor)
3G		Einstein Hall (AB1)
3H		IR Board Room (AB1-214)

Session Chair and Session With Google meet link for Online participants:

Track ID	Chair	Host	Venue	Google Meet Link
Day 1: Sat, Nov 22				
1A	Dr. Vijayalata Yellasiri (Past Chair IEEE HYD, VCE)	Dr. Ravindra Dhuli / Dr. K N V P S Rajesh	Prakasam Aud. (AB2)	https://meet.google.com/ukq-vtrw-xen
1B	Dr. Swarnasri M (RVR & JC)	Dr. B.Ramakrishna / Dr. Girish Kumar Mekala	Newton Hall (AB1 4th Fl.)	https://meet.google.com/thi-ymue-ztj
1C	Dr. Y. Padma Sai (VNR VJiet)	Dr. Mahesh M	Einstein Hall (AB1 1st Fl.)	https://meet.google.com/spo-auvj-vbz
1D	Dr. Sreenivas Jasti (TCS)	Dr. Anil Kumar Nayak	Board Room (AB1 1st Fl.)	https://meet.google.com/ptu-vjzu-thi
1E	Dr. Ameet Chavan (VIT-AP) / Dr. Amarjit Roy (GKCIET, WB)	Dr. M. Sucharita	IIEC Board Rm. (CB-206)	https://meet.google.com/iug-ktwa-noa
1F	Dr. Moirangthem Santoshkumar Singh (Siddhartha Academy)	Dr. Saladi Saritha	Prakasam Aud. (AB2)	https://meet.google.com/mdw-wuin-jzr
1G	Dr. Nihar Ranjan Pradhan (SRM, AP)	Dr. Lakhan Dev Sharma	Newton Hall (AB1 4th Fl.)	https://meet.google.com/iht-pcqm-qaf
1H	Dr. Gaurav Upadhaya (MNIT Bhopal)	Dr. Rohit Lorenzo	Board Room (AB1 1st Fl.)	https://meet.google.com/ahq-zfdq-ryo
1I	Dr. Shahadev Hake (PICT, Pune)	Dr. Jayendra Kumar	IR Board Rm. (AB1-214)	https://meet.google.com/umk-txxr-iup
Day 2: Sun, Nov 23				
2A	Dr. Subasish Mohapatra (OUTR, Odisha)	Dr. Umakanta Nanda	Newton Hall (AB1)	https://meet.google.com/hby-umuc-sfs
2B	Dr. Asis Kumar Tripathy (VIT, Vellore)	Dr. Lakhan Dev Sharma	Einstein Hall (AB1)	https://meet.google.com/icw-nfrg-gph
2C	Dr. Satyabrata Swain (Intel)	Dr. Atul Shankar Mani Tripathi	Board Room (AB1 1st Fl.)	https://meet.google.com/uvz-qvaz-jxa
2D	Dr. Ram Kumar (KEC, Bihar)	Dr. Jayendra Kumar	IR Board Rm. (AB1-214)	https://meet.google.com/umk-txxr-iup
2E	Dr. Avishek Chakraborty (GITAM)	Dr. Bappaditya Roy	Newton Hall (AB1 4th Fl.)	https://meet.google.com/myk-daoe-jre
2F	Dr. Sankanta Bhanjan Prusty (REVA University)	Dr. Lakhan Dev Sharma	Einstein Hall (AB1)	https://meet.google.com/eyx-fuft-yhr
2G	Dr. Akshay Bhosale (Symbiosis, Pune)	Dr. Atul Shankar Mani Tripathi	Board Room (AB1 1st Fl.)	https://meet.google.com/mum-qfsq-cmk

Track ID	Chair	Host	Venue	Google Meet Link
2H	Dr. Pritam B. Nikam	Dr. Jayendra Kumar	IR Board Rm. (AB1-214)	https://meet.google.com/umk-txxr-iup
2P	Dr. Arnab De	Dr. Umakanta Nanda	IIEC Board Rm. (CB-206)	https://meet.google.com/hby-umuc-sfs
Day 3: Mon, Nov 24				
3A	Dr. Dhulipalla Venkata Rao (SRM)	Dr. Jayashree Pradhan / Dr. Chandan Kumar Pandey	Newton Hall (AB1 4th Fl.)	https://meet.google.com/dsg-brii-bce
3B	Dr. Sibendu Samanta (SRM AP)	Dr. Suseela Vappangi	Board Room (AB1 1st Fl.)	https://meet.google.com/rhu-sqqa-uve
3C	Dr. S. Shit (SRM)	Dr. Mohit Kumar / Dr. Agam Das Goswami	IR Board Rm. (AB1-214)	https://meet.google.com/ory-zkeg-bzv
3D	Dr. Partha Pal (CMERI-CSIR)	Dr. Neha Gupta /Dr. Nalluri Purnachand	Einstein Hall (AB1)	https://meet.google.com/bqx-rdzf-yss
3E	Dr. C.M. Roy (VIT, Chennai)	Dr. Chandan Kumar Pandey / Dr. Jayashree Pradhan	Newton Hall (AB1 4th Fl.)	https://meet.google.com/dsg-brii-bce
3F	Dr. Kattupalli Sudhakar (LBRCE)	Dr. Chandan Nayak	Board Room (AB1 1st Fl.)	https://meet.google.com/aog-kpdg-ivy
3G	Dr. C. Bennila (RMD, Chennai)	Dr. Gurumurthy Komanapalli	Einstein Hall (AB1)	https://meet.google.com/eab-rzhp-pns
3H	Dr. A. Bhattacharya (HETC, Hooghly)	Dr. Khairnar Vikas Vishnu	IR Board Rm. (AB1-214)	https://meet.google.com/dwp-pjpm-upg

Day -1

22-11-2025

Highlights:

- Inauguration
- Keynote talk on antenna technology aspects
- Keynote talk on applications of AI in electrical and electronics engineering
- Panel Discussion on Women in Research (IEEE Guntur Sub-Section/VIT-AP IEEE SBC)
- Cultural Program by VIT-AP IEEE Student Branch & clubs.
- 9 Parallel Track Sessions covering general AI and signal processing themes
- 53 Presentations (28 offline/oral, 25 online)

DAY	TRACK ID	PAPER ID	TITLE OF THE PAPER	Presentaion Mode
22-11-2025 (12:00 PM - 01:15 PM)	1A	660	ANALYSIS ON DATA BY DETERIORATION AMBIGUITY TECHNIQUE USING DATA ANALYSIS FOR AGRICULTURE	OFFLINE
		738	A Low-Leakage 1T1T SRAM Cell with Sleep Transistors for Low Leakage and Improved Stability	OFFLINE
		309	Vehicle Tracking and License Plate Recognition Using YOLOv11 Integrated with OCR	OFFLINE
		828	Ensemble learning model using Inception-v4 and Dense Net for early detection of rice diseases	OFFLINE
		675	Multi-Stage Feature Fusion using Vision Transformer with Residual CNN and Channel Attention for Enhanced Brain Tumor Detection	OFFLINE
		169	Interpretable UNet+ViT Framework for Alzheimer's Detection from MRI Using Grad-CAM	OFFLINE
	1B	571	Prediction of Breast Cancer from Histopathological Images using Fusion of Deep Learning Models	OFFLINE
		393	A Novel Encoder - CNN Architecture for Robust Fingerprint Biometric Classification	OFFLINE
		297	Machine Learning Model for Lung Cancer Nodule Detection and Classification in Computer Tomography Images	OFFLINE
		656	Graph-Based Suicide Ideation Detection in Social Media using Text Convolutional Networks	OFFLINE
		797	Artificial Intelligence-based Selective Forwarding Attack Detection on Cloud-Enabled IoT	OFFLINE
		188	Efficient Parameter Estimation by Fine Tuning DistilBERT for Synthetic Text Detection	OFFLINE
	1C	714	Multi-Band Rectangular Patch Microstrip Antenna Design with UWB Notch for Wideband Applications	OFFLINE
		381	Design of Flexible Polygon Shape Compact Patch Antenna with Slit for Biomedical Application	OFFLINE
		550	Modelling of FOPID controller for Coupled Spherical Tank System	OFFLINE
		431	Self-Driving Trolley for Human Following Using GPS	OFFLINE
		433	Transformer-Based Approach for Disaster Tweet Classification	OFFLINE
		686	Kemeny and Borda rules in constructing central tendency estimators based on the preferential median	OFFLINE
	1D	475	Novel Federated Edge Learning Approach for Detecting Cyberattacks in IoT Infrastructure	ONLINE
		842	A Unified Evaluation Framework for Grounded LLM Architectures: Comparative Analysis of RAG, Self-RAG, and Agentic RAG	ONLINE

22-11-2025 (03:30 PM - 04:45 PM)	1E	720	Detecting AI-Generated Essays with Hybrid Supervised–Unsupervised NLP Techniques	ONLINE
		723	An EfficientNet2-Based Automated Waste Classification System for Sustainable Resource Recovery	ONLINE
		601	Unsupervised Learning Approach for Polycystic Ovary Syndrome Diagnosis Through CNN Feature Extraction and Clustering Algorithms	ONLINE
		113	Designing Ontology-Guided Crawling for Domain-Specific Retrieval	ONLINE
		522	MLOps in Practice: Applications, Challenges, and Insights Across Domains	ONLINE
		452	Building A Model Combining State Policy, Artificial Intelligence (AI), And Folk Knowledge In Responding To Climate Change (CC) In Vietnam: Potentials And Challenges	ONLINE
		20	Healthcare Copilot: A Modular Framework for Safe and Dynamic Medical Consultations Using Large Language Models	ONLINE
		307	A Novel Optimization Model to Detect Stages of Epileptiform Activities	ONLINE
		358	A Comparative Analytical Framework of Decoding Strategies for Offline Handwriting Recognition in Cursive Scripts	ONLINE
	1F	323	A reward optimized dueling double DQN approach for Flappy Bird	OFFLINE
		336	AI-Powered Solutions for Safer Driving: Traffic Forecasting and Dynamic Signal Control Using LSTM	OFFLINE
		612	Attention-Driven Hybrid Architecture for Automated Classification of Multiple Sclerosis	OFFLINE
		495	The Perils of Naive Truncation: A Context Ablation Study for Dialogue Summarization on DialogSum	OFFLINE
		677	Monitoring Parkinson’s Disease in the IoT-Cloud Framework Using Voice Data with a Random Forest Classifier	OFFLINE
		90	An inverted U shaped metasurface based microstrip antenna for 5G wireless communication systems	OFFLINE
	1G	329	Optimizing grid connected wind energy conversion systems through BG-PSO-PI controller	OFFLINE
		806	Employing an Adaptive Nonlinear H_{∞} Control for Depth Stabilization of an Autonomous Underwater Vehicle under sensor/actuator malfunctioning	OFFLINE
		77	Knowledge Graph-Augmented Image Captioning: Improving Contextual Understanding with Hybrid ViT-GAT Architecture	OFFLINE
		78	Duplicate Question Pair Detection Using Sentence BERT and Machine Learning	OFFLINE
		808	A Novel Attention-Integrated YOLOv11 Framework for Vision-Based Apple Detection and Localization in Robotic Harvesting	OFFLINE
		105	Speech Enhancement using Sub Convolutional based STCN Module	OFFLINE

	1H	172	Robust Deepfake Detection Against Adversarial Attacks Using Feature Fusion and FGSM Defense	ONLINE
		548	SAFER-VLM: A Vision-Language and LLM Based Framework for Intelligent Warehouse Surveillance	ONLINE
		633	A Modular and Real-Time Sign Language Recognition Framework Using Primary CNN and EfficientNet Cascade	ONLINE
		673	Deep Transfer Learning Models for Accurate Pneumonia Diagnosis in Medical Imaging	ONLINE
		641	Prediction of Revisit Intention in Organic Food Retail Using Machine Learning: Sensory and Behavioral Feature Analysis	ONLINE
		791	Automated Classification of Moisture Content in Wood Chips Using UWB Radio Transmission Signals	ONLINE
	1I	798	Cryogenic Investigation of FinFETs: Unveiling a Promising Pathway towards High-Performance Electronic Devices	ONLINE
		348	QuPID-Net: A Quantum-Inspired Pyramid Attention Convolutional Neural Network for IoT Intrusion Detection	ONLINE
		533	Ultra-Wideband FOPEN Antenna for Surveillance, Reconnaissance, and Remote Sensing in Foliage-Rich Environments	ONLINE
		827	Impact of Bandwidth Narrowing on the Performance of ROADM-Enabled DP-64QAM Systems: Data-Aided vs. Blind DSP	ONLINE
		809	Analysis of ATT Protocol for IRS-assisted WPC Network: A DDPG Approach	ONLINE
		151	Design an developing an efficient algorithm for autonomous underwater vehicle's homing and docking system	ONLINE

Day -2

23-11-2025

Highlights:

- Inauguration
- Keynote talk on evolution from 4G to 6G
- Keynote talk on emerging technologies
- 9 Parallel Track Sessions
- 80 Presentations (42 offline/oral, 38 online)

DAY	TRACK ID	PAPER ID	TITLE OF THE PAPER	Presentaion Mode
23-11-2025 (11:00 AM - 01:15 PM)	2A	95	ERROR ESTIMATION OF ORGANIC THIN FILM TRANSISTOR FOR ADVANCED GAS DETECTION USING COMSOL MULTIPHYSICS	OFFLINE
		554	Efficient Data Width Conversion Using AXI4 Stream Downsizer in Verilog	OFFLINE
		569	IoT Technologies and its Applications for Future Prospects	OFFLINE
		472	WOA-Optimized DD for QRS Complex Detection	OFFLINE
		316	Performance analysis of BG-OTFT with modulated channel length and varied dielectric material for future flexible electronics	OFFLINE
		357	Design and Analysis of Near-Threshold 6T SRAM Cell for Low Power Applications	OFFLINE
		398	High-Speed XOR-XNOR - Based 20T Full Adder in 22nm CMOS Technology	OFFLINE
		542	Enhancing Respiratory Sound Classification with Optimal Feature Ensembles in Convolutional Neural Networks	OFFLINE
		205	Interpretable Deep Learning for Fundus image classification using Grad-CAM frameworks	OFFLINE
		564	ANALYZING THE INFLUENCE OF PROPAGATION MODELS ON EFFECTIVENESS OF AD HOC ROUTING PROTOCOLS	OFFLINE
	2B	372	Investigating the Synergistic Effects of Learning Rate, Optimizer, and Activation Function on Convolutional Neural Network Training	OFFLINE
		830	Quantum-Enhanced Blockchain Architecture: Exploring Security and Scalable High Performance	OFFLINE
		795	Federated Learning-Based Distributed Firewall for Zero Trust Networks	OFFLINE
		834	Prediction of Customer Churn in Financial Sectors using Machine Learning Algorithms	OFFLINE
		244	HybridSoilNet: A Novel Approach to Classify Soil Nutrient Deficiencies	OFFLINE
		359	High-Sensitivity of Split-Source DGTFET Photosensor for Visible Spectrum Detection	OFFLINE
		180	Human Activity Recognition Using Conv-LSTM	OFFLINE
		21	Quantum-Cognizant Service Placement in Edge Computing Networks using Variational Quantum Algorithms	OFFLINE
		71	Design and Implementation of a Battery-Powered Smart Grass Cutter with Obstacle Detection	OFFLINE
	2C	385	Automated Diabetic Retinopathy Screening Using Custom Convolutional Neural Networks	ONLINE
		669	Automated Anemia Classification with MobileNetV2 and LIME for Enhanced Medical Image Analysis	ONLINE

23-11-2025 (03:00 PM - 05:15 PM)		112	A Hybrid Deep Learning Model Enhanced with PSO for Cryptocurrency Prediction	ONLINE
		335	The ID Net Architecture for Interpretable X-ray Baggage Image Denoising	ONLINE
		532	YogaVR: An AI and IoT-Based Posture Correction Approach for Yoga in Virtual Reality	ONLINE
		719	Automated Classification of Disaster Waste Using Vision Transformers: A Deep Learning Approach for Sustainable Post-Disaster Management	ONLINE
		319	CQT-ViT: Vision Transformer-Based Deepfake Audio Detection Using Constant-Q Spectrograms	ONLINE
		578	Deep Learning-Based Comparative Analysis for Pes Planus Classification in Diagnostic Imaging	ONLINE
		596	Performance Analysis of CNN and Hybrid Deep Learning Models for Automated Viloence Detection in Visual Stram	ONLINE
		799	Predictive Modelling for Atmospheric Conditions: A Machine learning and Deep learning Approach with Comprehensive Error Metrics and Forecast Visualization	ONLINE
	2D	325	Comparative Performance Analysis of Transformer-Based Summarization Models Using Transcripts	ONLINE
		195	OPTIMIZING THERMOELECTRIC COOLING SYSTEMS FOR TEMPERATURE-SENSITIVE MEDICINE TRANSPORT IN DRONES	ONLINE
		128	An Explainable Multi-Task Learning Approach for Behavioral Biometrics using Social Media Data	ONLINE
		751	Quantum Enhanced AI Assistant for Agriculture Knowledge and Advisory	ONLINE
		265	Improving Prediction of Credit Risks Based on Advanced Machine Learning and Feature Engineering Techniques in Banking Sector	ONLINE
		303	Enhancing ERP-Driven Sales Forecasting with AI Techniques: A Predictive Analytics Approach	ONLINE
		584	Vision Transformer Enabled Classification Framework For Brain Tumor Detection	ONLINE
		692	Feature-Optimized Deep Hybrid Classifier for Accurate and Early Detection of Cardiac Anomalies	ONLINE
		551	Energy-Efficient Secure Transmission for DF Relaying SWIPT-NOMA Systems	ONLINE
		328	Dynamic Adjustment of PIR Sensor Sensitivity and Timing via Bluetooth-Controlled Resistor Switching	ONLINE
	2E	816	Grouped Multivariate Chirp Mode Decomposition for Non-Stationary Signal Analysis	OFFLINE
		628	A Design of Wider Impedance Bandwidth with Spider-Parasitic Elements Patch Antenna for Ku-Band Applications	OFFLINE
		524	A Compact SIW-Based Millimeter-Wave Self-Diplexing Slot Antenna with Low Cross-Polarization for K-Band and 5G Applications	OFFLINE
		796	Low Area and Low Power Threshold Implementation Design Technique for AES S-Box	OFFLINE
		810	YOLOTrackNet-based Lane Detection and Segmentation for Autonomous Vehicles	OFFLINE

		570	A Broadside Radiating Vivaldi Antenna	OFFLINE
		620	Compact Semi-Flexible Antenna for ISM Band Applications with Bending and On-Body Evaluation	OFFLINE
2F		22	NEETHLING VIRUS DETECTION IN COWS AND BUFFALOS USING CNN-BASED TECHNIQUES	OFFLINE
		457	Detection of Emerging Respiratory Infections Using Chest Radiography	OFFLINE
		654	A Modular Cascaded Pipeline for Real-Time Speech-to-Speech Translation Across Indic Languages Using Bhashini APIs	OFFLINE
		428	Harnessing Quantum Computing to Optimize Reinforcement Learning for NLP Tasks	OFFLINE
		70	Remote Forest Monitoring Using AI for Deforestation Contro	OFFLINE
		823	Smart Surveillance: A Real-Time Deep Learning Model for Face Mask Monitoring	OFFLINE
		803	Wide-Angle Beam Steering Pattern Reconfigurable Antenna with Ground Plane Truncation	OFFLINE
		693	SmartHeart+: An Advanced Deep Learning Approach Combining CNN-GRU and Feature Selection for Cardiovascular Risk Forecasting	ONLINE
		577	Spatio-temporal deep learning for epileptic seizure detection in clinical EEG data.	ONLINE
2G		331	Monocular 3D Reconstruction: From Single-Image Perception to Structured Mesh Generation	ONLINE
		332	Machine Learning Approaches to Predict Organizational Citizenship Behaviour: A Study of IT Professionals in India	ONLINE
		318	Optimizing Customer Engagement in Multi-source E-commerce Retail Datasets Using Artificial Intelligence-Based Efficient Techniques	ONLINE
		126	Predicting Customer Churn in Financial Services Using Ensemble Machine Learning Models	ONLINE
		326	Alzheimer's Disease Detection: CNN-Based Analysis and Classification Approaches	ONLINE
		736	Real-Time Embedded Vision System for Plastic Bag Detection on Raspberry Pi 5	ONLINE
		440	HyperSegAnchor: A Hybrid Spatial-Spectral Clustering Approach for Hyperspectral Image Segmentation	ONLINE
		794	Light GBM-Based Workload Forecasting and HDBSCAN-Driven Scheduling Optimization for Cloud Resource Management	ONLINE
2H		441	End-to-End Rail Track Defect Monitoring Using Geo-Tagged Vision and Large Language Models: An Interactive LLM Assistant	ONLINE
		241	A Machine Learning Framework for Early Detection of Sleep Apnea and Insomnia	ONLINE
		334	Co-MAS: Towards Robust Multi-Agentic AI Assistant through Multi-Layered Reflection	ONLINE

2P	429	DeepSculpt Attack: Word-Level Adversarial Perturbations on Clinical Text in Electronic Health Records (EHR) Systems	ONLINE
	448	Design of an Integrated Artificial Intelligence Enhanced Interdigital Capacitive Sensing for Accurate and Robust Moisture Measurements for Different Scenarios	ONLINE
	322	Indian Sign Language Recognition using Neural Networks	ONLINE
	637	Artificial Intelligence-Powered Decision Support System for Crisis Coordination using Social Media Streams	ONLINE
	278	Dual-Stream Deep Learning Architecture for Deepfake Detection Using Spatial and Frequency Domain Analysis	ONLINE
	807	Fuzzy Critical Path Method: A Generalized Method to Project Scheduling with Fuzzy Activity Durations	OFFLINE
	121	Integrating Deep Learning and Traditional Image Enhancement Techniques for Underwater Image Enhancement	OFFLINE
	173	Orange disease classification using MobileNetV2	OFFLINE
	492	SMARTER, SAFER, STRONGER: THE FUTURE OF MEDICAL ROBOTICS WITH AI	OFFLINE
	148	A Machine Learning Approach on Use of Dolomite Powder for M30 Grade of Concrete in Sustainable Urban Infrastructure	OFFLINE
	627	Multi-Model Evaluation of Leak-Induced Pressure and Flow Dynamics in Pipelines Using Simulation Data	OFFLINE
	705	Fake News Detection Using Improved Machine Learning Approaches	OFFLINE
	706	Leveraging Machine Learning Techniques for Enhanced Algorithmic Trading Strategies	OFFLINE
	528	StableGAN: A Hybrid Approach to Mitigate Mode Collapse and Vanishing Gradients	OFFLINE
	294	Multimodal Decision Making System for LBW Outs in Cricket	OFFLINE

Day -3

24-11-2025

Highlights:

- Inauguration
- Keynote talk on signal processing innovations
- Keynote talk on AI frameworks
- Valedictory Function & Prize Distribution
- 8 Parallel Track Sessions covering general AI and signal processing themes
- 63 Presentations (8 offline/oral, 55 online)
- Valedictory Function and Prize Distribution

DAY	TRACK ID	PAPER ID	TITLE OF THE PAPER	Presentaion mode
24-11-2025 (11:00 AM - 01:15 PM)	3A	648	Design of a Miniaturized Millimeter-Wave Antenna Diplexer with Minimal Cross-Polarization Employing SIW Rectangular Cavity	OFFLINE
		784	Analysis of REO mechanism in Ci2ER Protocol using DDPG algorithm	OFFLINE
		619	Securing RIS-Assisted NOMA Network With Optimized Resource Allocation and Known Jamming Under Single and Multiple Eavesdropping Scenarios	OFFLINE
		568	Multi-Branch 4-Port MIMO Antenna with Improved Diversity for 5G Sub-6 GHz Applications	OFFLINE
		401	Circular Ring-Stub Loaded Hexagonal MIMO Antenna for Isolation Enhancement in ISM Band Applications	OFFLINE
		10	"Advanced Machine Learning and AI-Driven Security Frameworks for Intrusion Detection in Wireless Sensor Networks"	OFFLINE
		360	Design and Development of a Right-Hand Circularly Polarized Microstrip Patch Antenna Array for 8.25 GHz Satellite Radio Applications	OFFLINE
	3B	774	Triple-Notched UWB Monopole Antenna Incorporating Swastika Structures and a Closed π Shaped Slot	OFFLINE
		687	Weighed Quantum Wolf Optimization with ET Analysis for Accurate Sugarcane Crop Disease Identification	ONLINE
		4	Estimation of SOC using EKF Considering Warburg Effect and Capacity Variation	ONLINE
		825	Efficient Knowledge Graph Reduction using Popularity-Weighted Sampling	ONLINE
		756	Lightweight CoSCo-CNN Architecture with Integrated SE and GAP for Pathological Speech Classification	ONLINE
		186	Prediction of Cyclone Intensity based on Deep Learning Techniques from Indian National Satellite System	ONLINE
		368	Gesture Recognition based Home Automation for Specially-Abled People Using ESP32 CAM	ONLINE

24-11-2025 (03:00 PM - 05:15 PM)		815	Healthcare Using Generative AI: Integrating Medical Report Analysis and Conversational Intelligence	ONLINE
		525	Gradient Descent-Based Approach For Enhanced Pipeline Leak Detection	ONLINE
	3C	350	Design of an Efficient Traffic Light Control System Using Verilog HDL	ONLINE
		603	Investigation on a Novel DC-DC Resonant Power Converter for Electric Vehicle Applications	ONLINE
		609	Miniaturized CPW-Fed Multiband MIMO Antenna for 5G, WLAN, and IoT Applications	ONLINE
		531	Design and Development of a Lightweight Vivaldi FOPEN Antenna for VHF,UHF and L-Band Defense Applications	ONLINE
		702	Mitigating Contention in Wi-Fi HaLow: RAW Analysis, Grouping, and Energy Efficiency	ONLINE
		615	A NOVEL FEATURE PRIORITIZATION AND ENSEMBLE-BASED ALGORITHM FOR ECG-BASED CARDIAC RISK STRATIFICATION	ONLINE
		124	Modeling and Performance analysis of Capacitive Pressure Sensor with Hexagonal Diaphragm using COMSOL Multiphysics	ONLINE
	3D	287	Blind Source Separation Techniques for Space Based AIS Signal Processing Using FastICA	ONLINE
		676	A Deep Learning Driven Quantum Hybrid Approach for Early Breast Cancer Detection	ONLINE
		453	Fusion of Chaos with Time and Frequency domain features for Seizure Classification	ONLINE
		467	Efficient algorithm for real-time image processing for electronic endoscope based on FPGA	ONLINE
		566	EEG Signal Monitoring for AR/VR Wearable Safety	ONLINE
		352	Efficient Realisation of Audio Processing with an IIR Filter using an FPGA	ONLINE
		691	A Novel Creation of a Multi-Bridge Channel Ferroelectric-Field Effect Transistor	ONLINE
	3E	107	Transformer Based Personalized Medicine from Gene Expression Patterns with Privacy Considerations	ONLINE
		347	A Multimodal Multi-Objective Neuro-Evolutionary Framework for Multi-Robot Task Allocation with Learned Velocity Profiles and Energy Efficient Workload Distribution	ONLINE
		138	EARLY DETECTION OF CARDIOVASCULAR DISEASE USING MACHINE LEARNING	ONLINE
		536	Evaluating Optimizers in Customized CNNs for Multi-Class Respiratory Diagnosis using Chest X-rays	ONLINE
		787	A Machine Learning-Based Adaptive Prediction Model for Energy Optimization in Smart Grid Networks	ONLINE

		25	Deep Learning-Based Classification of Wheat Leaf Diseases Using Custom CNN Architecture	ONLINE
		306	Utilizing Yolo-framework for Green Amaranth Leaf Disease Detection	ONLINE
		2	Enhanced YOLOv5-Based Framework for Accurate Defect Detection of PCB using Deep Learning	ONLINE
	3F	607	Prediction of Tartrazine Adulteration in Turmeric Powder using NIR Spectroscopy and Machine Learning Algorithms	ONLINE
		388	Enhancing Real-Time Multi-Camera Face Detection and Tracking using Swin Vision Transformer for Robust Feature Extraction	ONLINE
		726	Predictive Plane Crash Risk Assessment for Public Safety Using YOLOv8 Vision Systems, Weather Data and LSTM-Based Anomaly Detection in Black Box Data	ONLINE
		772	On the Training Efficiency of RL-Based Control of 3-RPR Parallel Manipulator with MPC-Assisted Training	ONLINE
		296	CallSecure: A Hybrid Approach to Robocall Detection Using Federated Learning and Social Metrics	ONLINE
		411	Lightweight Onboard AI for Mars Rovers: A TinyML Approach to Environmental Prediction	ONLINE
		400	Employee Turnover Prediction: Enhancing Workforce Stability through Machine Learning	ONLINE
		271	A Blended Deep Learning Approach for Hidden Prediction of smoking status to reduce the risk of cardiovascular disease	ONLINE
		412	Performance-Centric Design and Physical Verification of Asynchronous FIFO for Low-Latency Applications	ONLINE
	3G	454	Low-Voltage 9T SRAM in 22 nm CMOS with Optimized Read Path for Reduced Access Time and Enhanced Stability	ONLINE
		664	SmartLegalCraft: A Novel AI-Powered Platform for Adaptive and Efficient Legal Document Processing	ONLINE
		420	Hybrid Adaptive Graph Neural Network (HAGNN) for Credit Card Fraud Detection	ONLINE
		526	Virtual Patient Chatbot for Medical Training using Small Language Models	ONLINE
		666	Pixel Perfect Mirroring on FPGA: A Modular Compliant VGA Pipeline with Minimal Latency	ONLINE
		210	RIS Systems for Modern Communication Networks	ONLINE
	3H	202	Compact Fractal Microwave Sensor with Capacitive Loading for Accurate HbA1c Monitoring	ONLINE

		203	Hilbert Fractal Resonator Sensor with Analytical Frequency Prediction for High-Sensitivity Non-Invasive HbA1c Monitoring	ONLINE
		206	Predictive Analysis in Healthcare Using Advanced Machine Learning Techniques	ONLINE
		272	A Dual Band Rectenna Designed with Binary Coding Technique of Genetic Algorithm	ONLINE
		395	OceanNeRF—Deep Learning for Physics-Aware, True-Color Underwater 3D Reconstruction	ONLINE
		480	AI-Based Framework for Ransomware Detection in Android Systems: Enhancing Mobile Security	ONLINE
		833	A Machine Learning based Framework for Intelligent Vehicle Health Diagnostics and Predictive Maintenance	ONLINE
		841	Design of a 2.4GHz Low Noise Amplifier	ONLINE
		267	WareRob: A Warehouse Management Robot	ONLINE
		207	Optimizing Resource Allocation in RIS-Assisted MIMO Systems Using Deep Q-Learning	ONLINE

Track Wise Paper ID:

	Track	PAPER ID	Track	PAPER ID	Track	PAPER ID
Day1 (22/11/2025) 12:00-13:15	Track 1A Prakasam Auditorium(AB2) ORAL	660	Track 1B Newton Hall (AB1-401) ORAL	571	Track 1C Einstein Hall (AB1-1st Floor) ORAL	714
		738		393		381
		309		297		550
		828		656		431
		675		797		433
		169		188		686
	Track 1D Board Room (AB1-102) ONLINE	475	Track 1E IIEC Board Room (CB-206) ONLINE	522		
		842		452		
		720		20		
		723		307		
		601		358		
		113				
	Track	PAPER ID	Track	PAPER ID	Track	PAPER ID
Day1 (22/11/2025) (15:30-16:45)	Track 1F Prakasam Auditorium(AB2) ORAL	323	Track 1G Newton Hall (AB1-401) ORAL	329	Track 1H Board Room (AB1-102) ONLINE	172
		336		806		548
		612		77		633
		495		78		673
		677		808		641
		90		105		791
	Track 1I IR Board room (AB1-214) ONLINE	798				
		348				
		533				
		827				
		809				
		151				

	Track	PAPER ID	Track	PAPER ID	Track	PAPER ID
Day2 (23/11/2025) 11:00-13:15	Track 2A Newton Hall (AB1-401) ORAL	95	Track 2B Einstein Hall (AB1-1st Floor) ORAL	372	Track 2C Board Room (AB1-102) ONLINE	385
		554		830		669
		569		795		112
		472		834		335
		316		244		532
		357		359		719
		398		180		319
		542		21		578
		205		71		596
		564				799
	Track 2D IR Board room (AB1-214) ONLINE	325				
		195				
		128				
		751				
		265				
		303				
		584				
		692				
		551				
		328				
	Track	PAPER ID	Track	PAPER ID	Track	PAPER ID
Day2 (23/11/2025) 15:00-17:15	Track 2E Newton Hall (AB1-401) ORAL	816	Track 2F Einstein Hall (AB1-1st Floor) ORAL	22	Track 2G Board Room (AB1-102) ONLINE	693
		628		457		577
		524		654		331
		796		428		332
		810		70		318
		570		823		126
		620		803		326

					736
	Track 2H IR Board room (AB1-214) ONLINE	440	Track 2P IIEC Board Room (CB-206) HYBRID	807	
		794		121	
		441		173	
		241		492	
		334		148	
		429		627	
		448		705	
		322		706	
		637		528	
		278		294	

	Track	PAPER ID	Track	PAPER ID	Track	PAPER ID
Day3 (24/11/2025) 11:00-13:15	Track 3A Newton Hall (AB1-401) ORAL	648	Track 3B Board Room Board Room (AB1-102) ONLINE	687	Track3C IR Board room (AB1-214) ONLINE	350
		784		4		603
		619		825		609
		568		756		531
		401		186		702
		10		368		615
		360		815		124
		774		525		
	Track 3D Einstein Hall (AB1-1st Floor) ONLINE	287				
		676				
		453				
		467				
		566				
		352				
		691				
	Track	PAPER ID	Track	PAPER ID	Track	PAPER ID
Day3 (24/11/2025) 15:00-17:15	Track 3E Newton Hall (AB1-401) ONLINE	107	Track 3F IR Board room (AB1-214) ONLINE	607	Track 3G Einstein Hall (AB1-1st Floor) ONLINE	412
		347		388		454
		138		726		664
		536		772		420
		787		296		526
		25		411		666
		306		400		210
		2		271		

Track 3H IR Board room (AB1-214) ONLINE	202		
	203		
	206		
	272		
	395		
	480		
	833		
	841		
	267		
	207		