

ETA ACT 2026 Technical Schedule

| Oral Session-1: 10th April 2026 (3.30PM - 5.30PM) | | | |
|---|----------|--|--|
| Session Chairs: Dr Somanath Tripathy, Dr Ajit Nayak | | | |
| Sl. No. | Paper ID | Paper Title | Author Names |
| 1 | 317 | Improving Military Object Detection under Noisy Conditions Using Spatial Denoising Pipeline and ResNet-50 based Deep Features | Patrick Wah Sekey, Oscar Kiamba Munyao, Mark Aondohemba Ortese, Marron Tarlue, Ram Chandra Barik and niranjan behera |
| 2 | 422 | A Comparative Study of Machine Learning Algorithms for AQI Prediction in Key Indian Cities | Subhashree Mohapatra, Amit Kumar Keshari and Jai Govind Singh |
| 3 | 448 | An Ensemble Framework for Diabetes Prediction using SMOTE and Optimized Stacking | Srikanta Kumar Sahoo, Sandhyalati Behera and Mihir Narayan Mohanty |
| 4 | 622 | Comparative and Generative Analysis of Monte Carlo, EWMA, and LSTM Models for Financial Value-at-Risk Forecasting | Nitu Saha, Sayantani Das, Ujjwal Kumar Kamila, Arista Seth, Arunima Banerjee and Siddhartha Chatterjee |
| 5 | 734 | Towards Ethical AI for Hinglish Sentiment Classification: Performance, and Bias Mitigation | Arpita Satpathy, Ajay Tiwari and Pubali Chatterjee |
| 6 | 811 | An Attention Guided Stacked Ensemble of CNN and Vision Transformers Architectures for Early Melanoma Detection | Swapnil Umbarkar, Pramita Tiadi and Dancy Paul |
| 7 | 917 | SAFE-CHARM: A Context-Conditioned Hierarchical Model for Detection of Self-Harm Risk Indicators using Depression and Anxiety Signals | Satya Prakash Mohanty, Ayushi Mishra, Rimjhim Mohanty, Avinash Samantra and Arun Kumar Sahoo |
| 8 | 1959 | Prompt Optimization Using Instruction-Tuned Small Language Models for Cost-Efficient LLM Deployment | Likkith Reddy Chirasani, Surya Teja Mannava, Abhilash Thota and Sambit Kumar Mishra |

Oral Session-2: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr Pravat Kumar Rout, Dr Amrutanshu Panigrahi

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 402 | BERT-based Fake Odia news detection on Social media | Rajeswaree Nath, Barsha Pattanaik, Aparna Baboo, Puja Priyadarshani Dash, Tarun Kumar Naik, Poojarini Sahu, Manasi Rakshit and Sourav Mandal |
| 2 | 525 | A Secure Framework for Smart Waste Management Using IoT, Machine Learning, and Blockchain | Abdhisuta Dash, Bhabani Sankar Samantray, K Hemant Kumar Reddy, Fahad Amin and Sambit Kumar Mishra |
| 3 | 798 | Discourse Modeling for Text-based Emotion Recognition Using Fusion Approaches | Manjog Padhy, Rasmita Rautray and Premananda Sahu |
| 4 | 834 | A Blockchain-Enabled Supply Chain Management Framework with Consensus-Aware Performance Analysis | Swarna Lata Pati, Ranjan Kumar Dash and Debasis Gountia |
| 5 | 897 | NARNET-Based Traffic Prediction for Dynamic Spectrum Allocation: A Pre-FLATS-5G Baseline Study | Susil Kumar Nayak, Benudhar Sahu and Madhusmita Panda |
| 6 | 930 | An Attention-Enhanced Hybrid Framework Using SHAP-Based Feature Selection for Stock Price Prediction | Rajesh Kumar Ghosh, Bhupendra Kumar Gupta and Ajit Kumar Nayak |
| 7 | 1006 | Fetal Health Detection using CatBoost with Feature Selection techniques | Rajashree Dash, Aditi Tiwary, Prakriti Krishna and Mansi Baranwal |
| 8 | 1370 | An EOQ optimal ordering policy with varying generalised time-dependent demand allowing shortages | Pallavi Joshi , Trailokyanath Singh, Sudhansu Sekhar Routray and Rasmita Rautray |

Oral Session-3: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. Manash Ranjan Prusty, Dr. Siba Prasad Tripathy

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|---|
| 1 | 273 | A Novel GA-LSTM Method For Water Flow Prediction With Real Climate Data | Amer Salih, Qian Zhang, Alessandro Raschella, Ahmed Mohammed, Badr Abdullah, Omar Aldhaibani, Mukesh Kumar Maheshwari and Yongqiang Qiu |
| 2 | 475 | Multimodal Zero-Shot Reasoning Framework for Real-Time Edge Intelligence in Safety-Critical Systems | Sriramkumar R, Ankita Avthankar, M.Lakshmanan, Joshuva Arockia Dhanraj, R.Tamilamuthan and Shreyas Rajendra Hole |
| 3 | 476 | AI-Enabled Women Safety Surveillance with Instant Incident Prediction and Emergency | Sriramkumar R, Ankita Avthankar, M.Lakshmanan, Joshuva Arockia Dhanraj, R.Tamilamuthan and Shreyas Rajendra Hole |
| 4 | 569 | Vibetalk- AI-Powered Assistive Communication System for Hearing and Speech Impairment | Akshata Undri, Amulya R, Lakshitha S R, Jessica J Maris and Roma Kudale |
| 5 | 684 | Computer Vision-Powered Smart Attendance and Behavior Monitoring System for Early Detection of Student Disengagement | Dr. Dayal Pyari, Dr.S Swapna, Dr Riya Gupta, Dr K Uma Lakshmi, Kathari Santosh and B Kiran Bala |
| 6 | 907 | A Vision-Based Real-Time Navigation Assistance System for Visually Impaired Individuals Using Deep Learning | Gandla Vaishali, Arshia Tharannum and Nagaram Ramesh |
| 7 | 931 | MentalBot: An AI-Driven Conversational System for Mental Health Monitoring Using Smart Wearable | Stambamkadi Yagnyasri and Sandeep Lonkala |
| 8 | 1300 | A Hybrid Dynamic Projection Scheme for Secure and Cancelable Fingerprint Template Protection | Dilip Kumar Vallabhadas, Sai Pranav SVSS, Shanmuka Srinivasa Siva Sai Moram, Charith J, Sai Naidu Potnuru and M Sitha Ram |
| 9 | 1397 | Agentic Generative AI Framework for Multi-Modal Website Analysis and Optimization | Naresh Tangudu, Shravan Kumar Yadav, Uday Kumar Vaddi, Anjali Netinti, Suchitra Jami and Mohana Rao Ambati |

Oral Session-4: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. Arnab Mitra, Dr. Mrityunjoy Barman

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 345 | Efficient Fall Detection Using Lightweight Geometric Features and Gradient Boosting Classifiers | Tarun Tejash, Ankit Jha and Naveenkumar Mahamkali |
| 2 | 354 | Hybrid SVM and Genetic Algorithm Framework for Predictive Analytics in Stock Market Forecasting | L. Vijayakumar, Udhaya. M, S. Poongothai, P. Bindu, A. Jenifer Christinal and Rajlaxmi Pujar |
| 3 | 391 | Hybrid Chaos-Based Black Widow Optimization and Genetic Algorithm for Multi-Objective Load Balancing in Cloud Computing | Mohith Varun Regalagadda, Nandini Kodali, Sankar Jai Pavan Uttaravalli, Keerthi Madugula and Sambit Kumar Mishra |
| 4 | 509 | Development of a new technique Dam Gates Opening Scheme based on Whale Optimization Algorithm with Long Short Term Memory (WOALSTM) | Amer Salih, Qian Zhang, Alessandro Raschell'a, Ahmed Mohammed, Badr Abdullah, Omer Aldhaibani, Mukesh Kumar Maheshwari and Yongqiang Qiu |
| 5 | 532 | Hybrid Feature Selection and Classification for EEG-Based Epileptic Seizure Detection Using SMO and Advanced Classification Models | Sumant Kumar Mohapatra, Madhusmita Mohanty, Deba N. Pattanayak, Kaliprasanna Swain and Sabita Mali |
| 6 | 619 | Particle Swarm Optimized PI Control of a PV-Fed DC-DC Boost Converter for High Performance Renewable Charging Systems | R. Anitha, Gaurav Londhe, R.Tamilamuthan, T.Sridevi, M.Lakshmanan and Shreyas Rajendra Hole |
| 7 | 916 | A Simulated Federated Learning Framework for Brain Tumor MRI Classification Using ATSFO-Optimized Lightweight CNNs | M. Thukaram Reddy, Dandu Tejasree and A. Swamy Goud |
| 8 | 940 | AHQD-WSA: Adaptive Hybrid Quantum-Deep Reinforcement Learning Workflow Scheduling Algorithm for Secure and Energy-Efficient Edge Computing | A Swamy Goud, Turkapally Laveen Vara prasad and V Bhargavi |

Oral Session-5: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. Ramesh Mohapatra, Dr. Madhusree Kuanr

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 655 | A Comparison of Transformer Models for Classifying Sentiments in Indian Farmer Queries | Saravanan Selvam and Sooraj Sreemon |
| 2 | 731 | Advanced Deep Learning for Multi-Modal Mental Health Disorder Detection: A Framework Synthesizing Behavioural, Textual, and Physiological Data | Sanjeeb kumar Pothal, Aman Pratik Pattnaik, Biswojit Lenka, Aditya Nayak, Adyasha Rath and Ganapati Panda |
| 3 | 908 | Cross-Multilingual Code-mix Analysis & Translation | Jinal Patel and Archana Magare |
| 4 | 1108 | Real-Time Live Multilingual Lip-Sync Interpreter | Gunda Hemanth Kumar, M Divya Lakshmi and Uma nandhini D |
| 5 | 1212 | RAG-BioQA: A Retrieval-Augmented Generation Framework for Long-Form Biomedical Question Answering | Lovely Yeswanth Panchumarthi, Sumalatha Saleti, Sai Prasad Gudari, Atharva Negi, Harsit Upadhya and Praveen Raj Budime |
| 6 | 1318 | CyberBERT: An Intelligent Transformer-Based NLP Framework for High-Accuracy Cyber Threat Classification | Mettu Jhansi Rani, Chettaboina Hoyala, Tanya R, M Kavitha Lakshmi, Sasmita Kumari Pradhan and Chennaiah Kate |
| 7 | 1963 | Extractive Text Summarization using biased, adaptive and topic-aware Katz Centrality | Sonali Mhatre and Lata Ragha |

Oral Session-6: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. S P Santosh Kumar, Dr. Rakesh Ranjan Swain

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|---|--|
| 1 | 477 | Framework for Privacy-Preserving Synthetic Medical Image and Report Generation | Sriramkumar R, Nilesh Ashtankar, M.Lakshmanan, Joshuva Arockia Dhanraj, R.Tamilamuthan and Shreyas Rajendra Hole |
| 2 | 481 | Blockchain-Augmented Federated Learning for Secure and Healthcare Diagnosis from Distributed Electronic Health Records | Joshuva Arockia Dhanraj, Prashant Dhongle, R.Tamilamuthan, M.Lakshmanan, Nilesh Ashtankar and Shreyas Rajendra Hole |
| 3 | 526 | Automating Secure NAS User Provisioning and Management with n8n Workflows | Ekanth Gowda E, Nidhi Prashant Patil, Shreya Ojha and Shabana Sultana |
| 4 | 674 | Assessing the Resilience of Existing Incident Response Models in Mitigating Ransomware-Driven Cyber Threats | Puneet Chauhan and Shashiraj Teotia |
| 5 | 727 | Self-Supervised Learning and Few Shot Learning to Enhance Network Intrusion Detection in the IoT Environment | Aiswarya S and Parthiban S |
| 6 | 775 | Advancing Digital Wallet Security Through Multi-Factor Authentication and Homomorphic Encryption-Based Privacy Preservation | Dr. Musa Dima Genemo, Dr. Kotha Anil Kumar, Dr. Quazi Taif Sadat, Kathari Santosh, Dr.G Sreeram and I Infant raj |
| 7 | 975 | Blockchain-Based Audit Mechanism for Verifiable and Transparent Ethical Hacking in Enterprise Penetration Testing Systems | Dr. Prakash Chandra Behera, Dr Mohd Aarif, Dr. Syed Hassan Imam Gardezi, M Chaitanya Bharathi, S.T Gopukumar and A.Balakumar |
| 8 | 1601 | Data-Driven Fraud Detection in Carbon Markets using Machine Learning and Blockchain | L. V Krishna Rao, Yogitha Tippireddy, Sai Advaith Parimisetti, R Sri Hari Sai Praneeth and Pedapudi Meghana |

Oral Session-7: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. Rakesh Chandra Balabantaray, Dr. B K Pattanayak

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|---|
| 1 | 545 | Enhanced Intrusion Detection Through Machine Learning Classifiers on Trained KDD Dataset | Rajkishore Nayak , Sambit Ranjan Pattanayak, Abhilash Pati, Amrutanshu Panigrahi and Bibhuprasad Sahu |
| 2 | 594 | ADSDF: A Tri-Modal Gated Fusion Framework Integrating Semantic, Sparse, and Lexical Cues for Suicidal Ideation Detection | Arun Kumar Sahoo, Vaibhav Malviya, Shrikant Malviya, Avinash Samantra, Rashmi Rani Patro and Sasanka Choudhury |
| 3 | 770 | Comprehensive Evaluation of Vision Transformer Models for Brain Tumor Classification using MRI | Soumyarashmi Panigrahi, Dibya Ranjan Das Adhikary, Madhusree Kuanr, Subrat Kumar Nayak, Nrusingha Tripathy and Ibanga Kpereobong Friday |
| 4 | 841 | SmuggleDoS: Evasive DDoS Attacks using HTTP Request Smuggling | Deeraj U, Pradeep Kumar Tiwari, Vasudevan A. R. and Amit Praseed |
| 5 | 1016 | Deep Hybrid CNN–ViT Model with Neural Architecture Search for Robust Breast Cancer Image Classification | Bipasha Patnaik and Santanu Kumar Sahoo |
| 6 | 1556 | Decision Support System for Optimizing Rake Formation Strategies | Achint Kumar, Sidhant Das, Madan Bag and Rasmita Dash |

Oral Session-8: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. Korra Sathya Babu, Dr. Samer Kundu

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|---|--|
| 1 | 353 | A Soft Voting Ensemble Framework for Crisis Type and Urgency Classification in Tweets | Sunil Sovan Das, Basudev Nath, Jogeswar Tripathy, Swati Sucharita Roy, Sampa Chau Pattnaik and Nilima Rani Das |
| 2 | 797 | A Multi-Sensor Wearable Framework for Real-Time Industrial Worker Hazard Detection Using Adaptive Thresholding, Sensor Fusion, and Cloud-Integrated Alert Systems | J. Prince Job, S. M. Prasana and L. Steffina Morin |
| 3 | 883 | Novel Human Factors Driven Approach for Reducing Insider Threats Using Behavioral Biometrics and Machine Learning | Dr. Syed Hassan Imam Gardezi, Dr. M Kishore Kumar, Dr Neelam Sharma, Dr. Manivannan Govindasamy, Dr Hitendra Shukla and P. Nagaraj |
| 4 | 929 | A Review on the Security Challenges of Industrial Internet of Things | Md Shabab Anwar, Mahabub Hasan Mahalat and Mrinal Goswami |
| 5 | 1020 | Privacy-Preserving Heart Disease Prediction Using Federated Learning with Optuna-Optimized Gradient Boosting Algorithms | Syed Varish, Sudha Rani V and Dinesh Kumar Anguraj |
| 6 | 1175 | Two-Way Communication System Using Dynamic ISL Gesture Recognition and Voice Processing | M. Vijay Kumar, Ramamohana Rao Gudar, K. Sravya, Bhanu Chander Balusa, N. Sai Praneetha and B Thrinadh |
| 7 | 1434 | Towards Intelligent Network Security: An AI-Based Intrusion Detection System | Praveen Katha, Santhoshkumar S. P., Manohar G, Kamalakannan Machap, Nalini T and Vikram D |
| 8 | 1528 | Graph Neural Network Based Spatiotemporal Traffic Prediction Framework for Smart Communication Networks | Dharani R, Ahmad Abdelhafiz Ali Samhan, Bh. Prashanthi,, Roopa M, S.Agnes Shifani and Navdeep Singh |
| 9 | 1915 | An AI Driven Cyclone Intensity Prediction System | Amrutayan Mishra, Rajashree Dash, Soumya Ranjan Jena, Abhipsa Nandini and Ayaan Khan |

Oral Session-9: 10th April 2026 (3.30PM - 5.30PM)

Session Chairs: Dr. Sambit Ku Mishra, Dr. Abhilash Pati

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|---|--|
| 1 | 433 | MultiLayer SVM Model for Intelligent Pest Detection and Precision Crop Protection in Smart Agriculture | Hemagowri J, Amsaveni G, S Venkata Vara Prasad, Dr. Deepak Asrani, Dr. Komal Asrani and Mythili M |
| 2 | 759 | A Deep Learning–Based Intelligent Fault Detection Framework for DC and AC Side Faults in PV–Wind Hybrid Microgrids | S.Suganthi, Neeraj Jain, R.Tamilamuthan, S V Naga Lakshmi, M.Lakshmanan and Gaurav Londhe |
| 3 | 847 | A Prediction Model for Cardiovascular Disease Powered By Machine Learning | Rupa Debnath, Atanu Sen, Siddhartha Chatterjee and Saikat Samanta |
| 4 | 1082 | CloudImageHunt: Large-Scale Detection and Analysis of Malicious Container Images | Rahul Karne, Akshitha Segireddy and Akhil Joshi |
| 5 | 1137 | Computational Approaches for Brain Tumor Detection and Classification in MRI: A Review of Machine Learning and Deep Learning Models | N Penchalaiah and Esub Sayyed |
| 6 | 1431 | A Smart Multi-Sensor Blind-Spot Monitoring System with Predictive Warning for Vehicles | Sai Ananya R, Rithika G and Suresh Maruthai |
| 7 | 1884 | Portable IoT-Based Smart Farming Device For Real-Time Fertilizer Optimization And Crop Recommendation | Dr. T. Baranidharan, Dharun Pradeep S, Dharaniboopathi M H and Harish V |
| 8 | 1958 | A Comparative Analysis of Deep Face Recognition Backbones with ArcFace on VGGFace2 and IJB-C | Ajay Dilip Kumar Marapatla, M Sitharam, Mannem Yaswanth Sai, Samatham Jayanth Kumar, Kontham Ravi Prakash Reddy and Alahari Maydhazo Dhanyan |

Oral Session-10: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. Chandrashekar Narayan Bhende, Dr. Manohar Mishra

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 507 | Enhancing Recommender Systems using Multi-Graph Convolutional Networks with DyBooster-inspired Temporal Re-Ranking | Navya Sree Pinnamaneni, Eeshatwayi Annabathuni, Sujitha Namburu, Vidhathi Godavarthi, Pardhu Sankar Kalluri, Hemantha Kumar Kalluri |
| 2 | 528 | Road Accident Severity Prediction by Machine Learning Algorithm | Uma Sankar Mahankuda, Bodala Harshit, Aditya Mishra, Rasmita Panigrahi and Neelamadhab Padhy |
| 3 | 640 | An Optimized Hybrid Machine Learning Framework for Early Detection of Skin Cancer | Abhilash Pati |
| 4 | 921 | DTPKI: A Dynamic Trust Weighted Blockchain-based PKI | Amrutanshu Panigrahi |
| 5 | 925 | A Comparative Study of CNN with SMOTE and Transformer Encoder Architectures for EEG-Based Alzheimer's Disease Classification | Santosh Satapathy, Prince Patel, Utpal Patel, Suren Sahu, Rajanikanta Mohanty and Rajesh Mohapatra |
| 6 | 937 | Health Recommendation Model for Student Drug Addiction Risk Using Automated Machine Learning and Optimized Feature Selection | Madhusree Kuanr, Subrat Kumar Nayak, Sujit Bebornta, Nrusingha Tripathy and Soumyarashmi Panigrahi |
| 7 | 941 | An Efficient Diabetes Prediction Model Using Hybrid Feature Optimization and Extreme Gradient Boosting | Pinakshi Panda , Sukant Kishoro Bisoy, M. Arulkumar, Sanjib Kumar Nayak , Prabodh Kumar Sahoo and Debendra Kumar Sahoo |
| 8 | 1788 | Decoupled Cost-Sensitive Thresholding-based LightGBM for Reliable Predictive Maintenance | Vivek Kumar, Rashmikiranjan Nayak and Umesh Chandra Pati |

Oral Session-11: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. Pradyut Kumar Biswal , Dr. Bibhu Prasad Mohanty

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 346 | Deep Feature Extraction and PCA–Relief Optimization for Multi-Class Brain Tumor Classification | Bommasani Chihnitha , Varshitha Malladi, Gayathri Vijayalakshmi Alluri, Lakshman Sai Mangalagiri and Naveenkumar Mahamkali |
| 2 | 503 | Automated Lung Cancer Detection: A Comparison of Deep Learning and Classical Techniques | Madhusmita Sahu, Rasmita Dash and Ujjwal Kumar Kamila |
| 3 | 505 | Hybrid Deep Learning Approach for Early Detection of Cashew Plant Disease | Geet Sahu |
| 4 | 552 | Enhancing Brinjal Leaf Disease Detection: A Comparative Analysis of Convolutional Neural Network Architectures | Amit Kumar Mishra, Janmenjoy Nayak and Manohar Mishra |
| 5 | 1096 | A Multimodal Mood-Aware Music Recommendation Framework Using EfficientNet-Based Facial Emotion Recognition and Dense Prediction Transformers | Nisha Dodawad, Deepika Pawar, Sinchana Masaraddi and Namrutha Daivajna |
| 6 | 1621 | Multi-Scale EEG Feature Learning Using Convolutional and Recurrent Neural Networks for Brain Disorder Diagnosis in Clinical Decision Support Systems | Anshuman Sahoo, Shekharesh Barik, Madhulita Singh, Ankita Parida, Biswa Ranjan Jit and Mamata Jena |
| 7 | 1640 | Robust Language Identification in Noisy Environments using Progressive Framework | Arup Kumar Dutta and Arijul Haque |
| 8 | 1960 | XFMA-Net: Explainable Forensic Multi-Scale Attention Framework for Image Forgery Detection | Bandita Das, Suvendra Kumar Jayasingh, Rashmi Ranjan Sahoo, Bunil Kumar Balabantaray and Sambit Kumar Mishra |

| Oral Session-12: 11th April 2026 (11.00PM - 1.00PM) | | | |
|--|----------|--|---|
| Session Chairs: Dr. Sarat Chandra Nayak, Dr. Satya Verma | | | |
| Sl. No. | Paper ID | Paper Title | Author Names |
| 1 | 328 | Hybrid Deep Learning Models for Comparing Teacher Effectiveness and Student Engagement Across Schools | Swati Das, Manjusha Dubey (Tiwari), Dhara Ben, Shraddha Verma, Satish Kumar Sahu and Parul Dubey |
| 2 | 361 | Intelligent Waste Segregation and Recycling in Smart Cities Using a Clockwise RNN Approach | Uppara Raghu Babu, Keshar Mal Saini, Sunith Babu L, Arthi A, Dr. Paduchuru Viswanath and Radhey Shyam Jha |
| 3 | 387 | TFEA-Net: Triplet Feature Enhancement Attention Network for Breast Cancer Classification | Rahil Agarwal, Shreerudra Pratik and Ngangbam Herojit Singh |
| 4 | 401 | Deep Learning-Based Framework for Multi-Stage Classification of Alzheimer's Disease | Arla Gopala Krishna, Dhiraj Kumar Raut, Ch. Praveen Kumar, Sanjay Kumar and Pandu Sowkuntla |
| 5 | 410 | Hybrid Knowledge Graph and Graph Neural Network Framework for Context-Aware Consumer Behavior Modeling in E-commerce | A.Balamurugan, G. Sivakumar, Palagiri Mabjan, Bollam Srivani, Sabina A. Nair and Dr. Naveen Nandal |
| 6 | 478 | SESAN: A Self-Evolving Sparse Attention Network for High-Precision Human Activity Recognition | Joshua Arockia Dhanraj, Gaurav Londhe, Sriramkumar R, M.Lakshmanan, R.Tamilamuthan and Shreyas Rajendra Hole |
| 7 | 542 | Lightweight Hybrid Neural Architecture for Real-Time Deepfake Screening and Content Integrity Preservation | Santhoshkumar S.P, Sathyaseelan G. M. , Sai Krishna Gaduputi Subbammagari, Bharath Reddy Bethi, Saurabh Chandra and Gajalakshmi S |
| 8 | 607 | A Hybrid Deep Learning Framework for Underwater Image Enhancement in Marine Infrastructure Inspection and Archaeological Exploration | Bhanumathi M, Rathinapriya V and Anandha Mala G S |

Oral Session-13: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. Hemantha Kumar Kalluri, Dr. Sameer Kundu

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 860 | Transformer-Based Deep Learning Architecture for Automated Sleep Disorder Detection and Severity Analysis | Shree Smeka J, Sheeja Kumari V, Murugan A. S. S. , Kadamanchi Santhosha, Santhoshkumar S. P. and Jim Mathew Philip |
| 2 | 864 | Improved Variational Graph Autoencoder for Link Prediction on Real-World Telecom Graphs | Mugdha Arun Sathe, Pooja Shyamsundar, Ojas Naik and Navrati Saxena |
| 3 | 881 | MLP-GRU Framework for Enhanced Prediction of Cardiovascular Disease Risk | Dr.Manimekalai S, K.M Saranya, Dr.S Swapna, Dr. Manivannan Govindasamy, Dr. G. Nagaraju and Dhaaraani R |
| 4 | 890 | Decoding Emotions: Advancing Speech Emotion Recognition with Machine Learning | Poojithanjali Kurra, Sourav Mondal, Sumanjit Sarkar, Hansika Kuchipudi, Nissy Sathwika and Hema Latha |
| 5 | 919 | Lungs Disease Detection using Convolutional Neural Networks and Short-Time Fourier Transform | Sandhya Devi and Pallavi Khatri |
| 6 | 933 | Error-Resilient Approximate Adders for Efficient Image Processing Applications | Bijay Ojha and Dharamvir Kumar |
| 7 | 958 | Pseudocolorization of Images using Autoencoders | Aditi Singh, Abhijeet Mustafi and Vandana Bhattacharjee |
| 8 | 1009 | Improving Detection Accuracy of Phishing Attacks with Feature Selection and Machine learning Techniques in Cybersecurity | Sathesh P. Sivashanmugam, Shiva Kumara, Ashay Mohile and Deepak reddy Suram |

Oral Session-14: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. Jitesh Pradhan, Dr. Sipra Swain

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|---|--|
| 1 | 508 | VIBE-CAP: Vision-Language Baseline Enhancements for Image Captioning | Gitika Rath and Navrati Saxena |
| 2 | 1200 | An Explainable Deep Learning Framework for Real-Time Zero-Day Intrusion Detection | Dr. Anshu Vashisth, Dr. Gagandeep Kaur, Ramandeep Kaur and Dr. Inderpal Singh |
| 3 | 1214 | MicroNet: Automated Classification of Holographic Microplastics and Environmental Impact Analysis using Convolutional Neural Networks and Large Language Models | Chitrakant Banchhor, Pranjal Pandit, Arya Sawant, Atharva Salitri, Pratham Chintawar and Tripti Mirani |
| 4 | 1317 | Hybrid CNN–Transformer Framework for Behavior-Based Ransomware Detection Using System Call Traces | Khullar Shikha , Jayaprakash B , Vibhor Harit , Chennaiah Kate, P Sudheer and S. Kaliappan |
| 5 | 1358 | Snow Resilient Lane Detection through U-Net-based Multi-class Segmentation with Weather specific Augmentations | Yashaswini Manyam, Murari Nallamalli, Hemanth Saga, Thanuj Raja and Radha D |
| 6 | 1375 | Digital Twin–Driven Predictive Maintenance Using a Hybrid CNN–LSTM Framework for Intelligent IoT Systems | Shaik Samsheer, D Vigneswar Rao, Vibhor Harit, Sonia, A.T. Barani Vijaya Kumar and Chennaiah Kate |
| 7 | 1412 | An Efficient Autoencoder-Based Feature Learning Framework for Multi-Class Brain Tumor MRI Classification | Prathyusha Valluru, M Veerakumari, Uma Maheswari Rayudu , Joel krupakar Gutla, Keella Meenakshi and T.V Sai Krishna |
| 8 | 1442 | An Efficient Hybrid Deep Learning Model for Diabetic Retinopathy Detection Using Fundus Images | Geeta Tripathi , P Pratima Rani, Vullam Nagagopiraju , Ch Siva Subrahmanyam, A Lakshmanarao and P Chandra Sekhar Reddy |
| 9 | 1495 | Real Time Helmet and Triple Riding Detection System | Duddekunta Ram Prameedhan Reddy, Mullaguri Chandu and R. Roselin Kiruba |

Oral Session-15: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. Jitendra Kumar Rout, Dr. Mrutyunjoy Berman

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|---|
| 1 | 1019 | An Optimized model for Accurate Heart Disease Prediction using GWO-SVM | Syed Varish, Sudha Rani V and Dinesh Kumar Anguraj |
| 2 | 1588 | Smart Indian Farmer Assistant: A Tri-Modal AI Framework for Precision Agriculture Using MobileNetV2, XGBoost, and Multimodal Language Models | Varshan K., Vishnu Vatsan K.S., Arulselvan M. and Ms. Kowsalya K |
| 3 | 1602 | Video Surveillance Model for Anomaly Detection and Alert Generation using Deep Learning | Ms. Y. Surekha, Dr. G Lalitha Kumari, Thirandi Ramya, Paidimukkula Lavanya , Tatiparti Meghana and Valluru Divya Charitha |
| 4 | 1608 | Driver Drowsiness Detection Using Multi-CNN Fusion and Automatic Landmark-Based Labeling | Sri Charan Nagandla, Vishnu Vardhan Podapati, Uday Ganesh Botsa and Devi Rajeev |
| 5 | 1669 | Smart Civic Issue Tracker: Proof-Based Digital System For Effective Municipal Issue Resolution | P Govindaraju, T Marthandan, C Gowri Shankar, Bharathraj P, Inbaselvan N and Kavaya S |
| 6 | 1684 | Few-Shot Prototypical Networks for Multi-Class Alzheimer's Disease Classification from MRI | Asha Bharti and Ritesh Jha |
| 7 | 1725 | A Deep Learning-Based Approach to Intelligent Web Vulnerability Discovery and Risk Assessment | Hari Aravind Kishore A, Harry Herald R and Lekshmi S Raveendran |
| 8 | 1754 | Deep Ensemble Learning Model for Adaptive Entrepreneurship under Global Trade Policy Dynamics | Dr V. Ratha, Dr. Sankara Prasanna Kumar. M, Dr. Siva Kumar. A. P, Amshavalli M, Ramarajan M and Dr. Mamta Bansal |
| 9 | 1954 | A Federated Deep Learning Approach for Multi-Class Diabetic Retinopathy Detection | Sreeram Reddy Nandem, Gowthami Reddy Reddem, Manoj Kumar Settipalli, Regalagadda Mohith Varun and Satya Krishna Nunna |

Oral Session-16: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr Mohit Kumar, Mr. Ishan Ayush

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|---|
| 1 | 903 | Enhancing Crop Recommendation Accuracy using Quantum Support Vector Machines on Complex Agricultural Datasets | Varun S and Abirami S |
| 2 | 1129 | A Hybrid Random Forest and Logistic Regression Approach for Early Heart Disease Prediction | M Sitharam, Cheetirala Dhanush Krishna, Kotha Pavan Kumar, Kotha Nikhileswar, Palle Sudarshan Reddy and Annapareddy V N Reddy |
| 3 | 1313 | Machine Learning-Driven Risk Scoring Models for Retail Credit Assessment: Comparative Evaluation of Neural Networks, XGBoost, and Logistic Regression in the Indian Lending Sector | Amit Verma, Suby Baby and Anchal Lamba |
| 4 | 1482 | Software Reliability Prediction using Machine Learning | Ramesh Jana, Manmath Kumar Bhuyan, Chinmay Sahu, Nigar Parween, Chinmaya Rana and Deepak Kumar Mohanty |
| 5 | 1535 | Fuzzy-Rough Meta-Feature Selection For Compact Stack Ensemble Classification | Manaswini Reddy Avula, Nitheesha Boggavarapu, Padma Ananya Donthi Venkata, Yagna Sai Pravallika Jonnakuti and Pandu Sowkuntla |
| 6 | 1593 | Interpretable Wine Quality Prediction Using Autoencoder-Based Feature Compression and Stacking Ensemble Learning | Inturi Anitha Rani, Anusha Nalajala, Ramakrishna Eswar Naidu, Bommidi Pranay, Valluri Sai Raju and Alakunta Hashith |
| 7 | 1683 | Progressive Acoustic Stacking–Based Speaker Level System for Pathological Voice Disorder Detection | Bikash Sagar Koiri and Sumit Srivastava |
| 8 | 1772 | Machine Learning Based Framework for Crop Yield Prediction under Climate Variability | B Thulasi, R Varaprasad, Karanam Poorna Srikala, Kamarthi Swapna, Boya Akhilandeswari and Chakali Anjali |

Oral Session-17: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. Rajkumar R, Dr.Rakesh Ranjan Swain

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|--|--|
| 1 | 697 | Cooperative Task Offloading with Multi-Agent Deep Reinforcement Learning Using SAC | Reena Panwar |
| 2 | 851 | Liver Semantic Segmentation: Enhancing Medical Image Accuracy | Sangeeta Viswanadham , Jaya Lakshmi Nemana, Riju Bhattacharya, Deepak Kumar Asudani, Supriya Gupta Bani and Anand Tamrakar |
| 3 | 1081 | Measuring Cloud Misconfigurations in the Wild: An Empirical Multi-Cloud Study | Akshitha Segireddy, Rahul Karne and Akhil Joshi |
| 4 | 1193 | Performance Evaluation of Machine Learning, Deep Learning, and Ensemble Approaches in Diabetes Prediction | Swarnali Daw, Bingshati Mondal, Devadeepa Chakraborty, Suparna Paul, Ishika Halder and Bidyajani Maji |
| 5 | 1563 | Intelligent Framework for Traffic Accident Risk Prediction Using Machine Learning | Dipesh Dalmia, Akshit Saini, Aman Tyagi, Reshma Saluja, Kalpana Sangwan and Poonam Kukana |
| 6 | 1587 | Explainable Deep Neural Networks for Predicting Mutated Patterns in SARS-CoV-2 Variants with Geographic Analysis | Varshitha Bammidi, Santhosh Amilpur and Chandra Mohan Dasari |
| 7 | 1955 | Cancelable scheme for fingerprint template protection using PUF and ARX Encryption | Singarapu Pavan kumar, Dilip kumar Vallabhadas, M Sitharam and Jhansi Rani Inturi |
| 8 | 1961 | Real Time Face Recognition-based Smart Door Access Control System | Greeshma Goud Ede, Pranavi Samhita Danda, Sneha Battula , Hema Sumaswi Manchikalapudi and Sambit Kumar Mishra |
| 9 | 1962 | Adaptive Energy Management in Solar-Powered Smart Vehicles Using MPPT and SOC-Based Mode Switching | Rouf UL Bashir, Mousumi Mishra and Sambit Kumar Mishra |

Oral Session-18: 11th April 2026 (11.00PM - 1.00PM)

Session Chairs: Dr. B Ramachandra Reddy, Dr. Swagatika Devi

| Sl. No. | Paper ID | Paper Title | Author Names |
|---------|----------|---|---|
| 1 | 758 | Hybrid Fuzzy-ANN Voltage Control for Solar-Wind EV Microgrids | Suganthi. S, Gaurav Londhe, R.Tamilamuthan, S V Naga Lakshmi, M. Lakshmanan and Shreyas Rajendra Hole |
| 2 | 760 | Fuzzy Logic-Based MPPT Control Strategy for Stable EV Charging under Rapid Solar Irradiance Variations | S V Naga Lakshmi, Gaurav Londhe, R Tamilamuthan, Suganthi S, M Lakshmanan and Shreyas Rajendra Hole |
| 3 | 1151 | Automated Multi-Class Retinal Disease Classification Using OCT Images with Visual Interpretability Support | Dr.Kanakamedala Phaneendra, B Manasa, Ch Dhanush , V Harsha Vardhan and Bhanu Chander Balusa |
| 4 | 1501 | Deterministic Regularization via Centered Kernel Alignment in RF-DETR | Manav Madan, Raturaj Shelake and Christoph Reich |
| 5 | 1530 | Speech-to-Sign Language Translator | Dinky Khurana, Jasmine Kaur , Baishnavi Patsani and Amit Vajpayee |
| 6 | 1560 | Papaya Leaf Nutrient Deficiency Classification Using Transfer Learning based Deep Learning Models | Ajahar Pathan and Swati Pandey |
| 7 | 1773 | EMO-VIGIL: A Transformer-Based Framework for Fine-Grained Emotion Detection and Mental Health Risk Screening from Microtext | Mrs. GeethaRenuka Jalluri, Boyalapalli. Anil Kumar, Lakshmi Susmitha Thota, Sagar Kondiboyina and Durga Prasad Itharaju |
| 8 | 1953 | Design and Development of a Realistic VR Driving Simulation Platform Integrating UE5 and Physical Controls | Velaga Subhash, Yarra Krishna Teja, Popuri Chinni Krishna and Manikandan V M |