



2ND INTERNATIONAL CONFERENCE ON ADVANCES IN INTELLIGENT COMPUTING AND APPLICATIONS – AICAPS 2026

ORGANIZED BY,
DEPARTMENT OF COMPUTER APPLICATIONS, COCHIN UNIVERSITY OF SCIENCE AND TECHNOLOGY AND
IEEE KERALA SECTION
PRESENTATION SCHEDULE

Session 1 11/02/2026 (2:00 PM – 3:30 PM)

SL No:	Time	Paper ID	Room 1 Track I - Artificial Intelligence and Cognitive Systems
1	2:00 pm to 2:15 pm	AICAPS - 30	Autonomous Content Generation and Management for Startup Social Media Marketing using Agentic AI
2	2:20 pm to 2:35 pm	AICAPS - 32	An Exploratory Data Analysis Guided Machine Learning Framework with Feature Selection for Cardiovascular Disease Prediction
3	2:40 pm to 2:55 pm	AICAPS - 35	Data-Driven Crop Yield Forecasting in Tamil Nadu Using Advanced Deep Learning Models
4	3:00 pm to 3:15 pm	AICAPS - 62	Hinglish Abusive Comment Detection Using Transformer-Based Models
5	3:15 pm to 3:30 pm	AICAPS - 74	MAL-VSR : A Dual-Stream Architecture and Dataset for Malayalam Visual Speech Recognition

SL.No:	Time	Paper ID	Room 2 Track I - Artificial Intelligence and Cognitive Systems
1	2:00 pm to 2:15 pm	AICAPS - 182	Explainable AutoML for Efficient Detection of Thyroid Cancer
2	2:15 pm to 2:30 pm	AICAPS - 197	Authorship Attribution of Malayalam Biblical Texts using Deep Learning
3	2:30 pm to 2:45 pm	AICAPS - 218	CBAM-Enhanced Deep Learning Framework Using ResNet-101 and Mask-RCNN for Pill Identification in Pharmaceutical Quality Control
4	2:45 pm to 3:00 pm	AICAPS - 239	Knowledge Graph-Based Semantic Framework for Infodemic Analytics: Insights from COVID-19 Tweets
5	3:00 pm to 3:15 pm	AICAPS - 248	Multimodal Knowledge-Enhanced Misinformation Detection with Adversarial Robustness and Explainable AI

SL.No:	Time	Paper ID	Room 3 Track- III Computer Vision and Image Processing
1	2:00 pm to 2:15 pm	AICAPS - 25	Vision Transformers for Precise Multi-class Diagnosis of Ocular Diseases
2	2:15 pm to 2:30 pm	AICAPS - 26	Distance Perception in Vision-Language Models for Blind Navigation and Scene Interpretation
3	2:30 pm to 2:45 pm	AICAPS - 56	An Adaptive Ensemble-Based Multi-Focus Image Fusion Framework Using Classical Methods and Convolutional Neural Networks
4	2:45 pm to 3:00 pm	AICAPS - 123	Attention-Enhanced Mask R-CNN for Accurate Blood Cell Segmentation and Classification
5	3:00 pm to 3:15 pm	AICAPS - 227	Multimodal Emotion Recognition Using Optimized Spatio-Temporal Graph Convolutional Networks
6	3:15 pm to 3:30 pm	AICAPS - 236	FindMe.AI: A Multi-Modal Framework for Real-Time Missing Person Detection Using YOLOv5 and BERT

SL. No:	Time	Paper ID	Room 4 Track - II Security, Trust, Privacy and Authentication and Track - IV Networking, IoT and Sensors
1	2:00 pm to 2:15 pm	AICAPS - 162	A Hybrid DCT-CNN Framework for Adaptive and Secure Video Steganography with Multi-Chaotic Key Encryption
2	2:15 pm to 2:30 pm	AICAPS - 224	Adaptive Cryptographic Strategy Selection for Blockchain Evidence Systems: A Hybrid ECC Signing Framework
3	2:30 pm to 2:45 pm	AICAPS - 187	A Unified Task Scheduling Approach for Performance Optimization in 3D MNoCs
4	2:45 pm to 3:00 pm	AICAPS - 190	SARA: A Scalable Fault Tolerant Routing Algorithm for 3D MNoCs
5	3:00 pm to 3:15 pm	AICAPS - 191	Decentralized Adaptive Task Scheduling for 2D Wireless NoCs
6	3:15 pm to 3:30 pm	AICAPS - 233	Performance Analysis of Congestion-Aware Genetic Algorithm-Based Adaptive Routing in Fault-Tolerant NoC

Session 2
12/02/2026 (11:30 AM – 12:30 PM)

SL. No:	Time	Paper ID	Room 1 Track I - Artificial Intelligence and Cognitive Systems
1	11:30 pm to 11:45 pm	AICAPS - 64	AI-Driven Quality Evaluation of Indian Wines Using Machine Learning Models
2	11:50 pm to 12:05 pm	AICAPS - 135	CHARM: Context -Based Hierarchical Association Rule Mining For Analyzing Purchase Patterns
3	12:10 pm to 12:25 pm	AICAPS - 138	EcoGRU-Based Deep Learning Framework for Smart Carbon Emission Tracking and Sustainable Mobility

SL. No:	Time	Paper ID	Room 2 Track - II Security, Trust, Privacy and Authentication
1	11:30 pm to 11:45 pm	AICAPS - 177	Detection of Malicious URLs Using a Hybrid Data-driven Adaptable Framework
2	11:50 pm to 12:05 pm	AICAPS - 78	ADLOB: An attention based deep learning model for predicting midprice in Limit Order Books
3	12:10 pm to 12:25 pm	AICAPS - 137	AI-Powered Blockchain Digital Banking Fraud Detection System

SL. No:	Time	Paper ID	Room 3 Track- III Computer Vision and Image Processing
1	11:30 pm to 11:45 pm	AICAPS - 38	SIGN-SPEAK
2	11:50 pm to 12:05 pm	AICAPS - 49	AI-Augmented Genomic Screening: Leveraging Vision-Language Models for Early Disorder Detection
3	12:10 pm to 12:25 pm	AICAPS - 57	A Machine Learning-Based Indian Sign Language Recognition System with Integrated Audio-Visual Aid for Children

SL. No:	Time	Paper ID	Room 4 Track- III Computer Vision and Image Processing
1	11:30 pm to 11:45 pm	AICAPS - 147	Pupil Detection and Emotion Analysis
2	11:50 pm to 12:05 pm	AICAPS - 155	AI-Powered Surveillance for Intelligent Construction Site Management
3	12:10 pm to 12:25 pm	AICAPS - 161	Explainable Traffic Image Classification: A Hybrid Grad-CAM and LIME Approach with Superpixel-aware Refinement

SL. No:	Time	Paper ID	Room 5 Track - IV Networking, IoT and Sensors
1	11:30 pm to 11:45 pm	AICAPS - 29	Investigation of Deep Learning Based Beam Steering for Metamaterial Antennas Integrated in UAVs for Enhanced Inter-Drone Communication
2	11:50 pm to 12:05 pm	AICAPS - 88	A Smart Elevator Scheduling System Using Quantile Regression Deep Q-Network for Energy Optimization and Waiting Time Reduction
3	12:10 pm to 12:25 pm	AICAPS - 140	Implementation of Solar Powered Polyhouse with Automated Irrigation, Environmental Monitoring and Control

Session 3
12/02/2026 (2:00 PM - 3:30 PM)

SL. No:	Time	Paper ID	Room 1 Track I - Artificial Intelligence and Cognitive Systems
1	2:00 pm to 2:15 pm	AICAPS - 141	Evaluation of Low-Rank Matrix Decomposition Techniques for Data Compression
2	2:20 pm to 2:35 pm	AICAPS - 153	AI-Powered Voice Agent for Electricity Department
3	2:40 pm to 3:00 pm	AICAPS - 154	Smart Safety Systems: Leveraging AI and Big Data for Real-Time Construction Workforce Management

SL. No:	Time	Paper ID	Room 2 Track- III Computer Vision and Image Processing
1	2:00 pm to 2:15 pm	AICAPS - 71	Temporal-Aware Crowd Anomaly Detection Framework for Violence Recognition Under Video Frame Discontinuities
2	2:20 pm to 2:35 pm	AICAPS - 81	Crop Health Identification by Exploiting CNN-ViT Synergy: Detecting Multi-Nutrient Deficiencies
3	2:40 pm to 3:00 pm	AICAPS - 136	A DETAILED APPROACH TO CLASSIFYING DEMENTIA

SL. No:	Time	Paper ID	Room 3 Track- III Computer Vision and Image Processing
1	2:00 pm to 2:15 pm	AICAPS - 179	PGPNet-X: A Multi-modal and Explainable Pill Detection System
2	2:20 pm to 2:35 pm	AICAPS - 196	Deep Learning-Based Radiographic Analysis for Musculoskeletal Condition using MURA Dataset
3	2:40 pm to 3:00 pm	AICAPS - 241	Comparative Performance Analysis of Deep Convolutional Neural Networks for Automated Liver Tumor Classification in Ultrasound Imagery
4	3:00 pm to 3:15 pm	AICAPS - 242	Modeling a Reduced Hybrid Quantum-Inspired Framework for Optimized Speckle Denoising Filters

SL. No:	Time	Paper ID	Room 4 Track - IV Networking, IoT and Sensors
1	2:00 pm to 2:15 pm	AICAPS - 178	SmartQueryViz:An AI-Driven MongoDB Query Generator and Visualizer for Sensor-Based Applications
2	2:20 pm to 2:35 pm	AICAPS - 195	An Intelligent Water Temperature Control System Using Deep Q-Learning for Personalized Comfort and Energy Efficiency
3	2:40 pm to 2:55 pm	AICAPS - 246	A Hybrid Transformer-Autoencoder-SVM Framework for Suicide Risk Detection from Reddit Text

Session 4
13/02/2026 (11:30 AM – 12:30 PM)

SL. No:	Time	Paper ID	Room 1 Track I - Artificial Intelligence and Cognitive Systems
1	11:30 am to 11:45 am	AICAPS- 275	Enhancing Genetic Variant Pathogenicity Classification using Mutation-Aware Transformer Architectures
2	11:45 am to 12:00 pm	AICAPS-263	Explainable Weighted Cross-Attention Based Hybrid CNN-Transformer Network for Multimodal Brain Disease Diagnosis
3	12:00 pm to 12:15 pm	AICAPS- 278	Evaluating Classical, Hybrid, and NISQ-Era Quantum Regression Models for Air Quality Index Prediction

SL. No:	Time	Paper ID	Room 2 Track- III Computer Vision and Image Processing
1	11:30 am to 11:45 am	AICAPS-251	Neural Latitude-Aware Adaptive Coding for Efficient 360° Video Representation
2	11:45 am to 12:00 pm	AICAPS-256	Underwater Image Enhancement using Residual Injected Homomorphic filtering and Wavelet fusion
3	12:00 pm to 12:15 pm	AICAPS-259	HBT-Net: A Hybrid Backbone-Transformer Framework for AI-Generated Face Detection

SL. No:	Time	Paper ID	Room 3 Track- III Computer Vision and Image Processing Track - IV Networking, IoT and Sensors
1	11:30 am to 11:45 am	AICAPS-268	A Multi-Stage Underwater Image Enhancement Using Unsharp Masking, Bilateral Filtering, and Wavelet Fusion
2	11:45 am to 12:00 pm	AICAPS - 283	A Distributed Streaming Architecture for Real-Time Multi-User Emotion Detection and Agent Response
3	12:00 pm to 12:15 pm	AICAPS-252	Poisoning Attacks in Heterogeneous Federated Learning Networks