

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