# AIDE-2026 Schedule

| 05/02/2026 | | |
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| 9:00 am - 11:45 am | **Inauguration** | |
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| 11:45 am - 12:30 noon | **Keynote Speech 1** | **Dr. Noor Hafhizah Abd Rahim, Universiti Malaysia Terengganu (UMT), Malaysia** |
| 1:15 pm - 2:30 pm | **Track 1** | |
| | 271 | Evaluation of Object Detection Models on Indian Road Scenarios for Pothole Detection |
| | 287 | Intelligent Pattern Analysis and Criminal Profiling |
| | 320 | A Context-Adaptive Computational Framework for Shadow Artifact Remediation in Diverse Imagery |
| | 324 | ConfidenceVoice: AI-Driven Real-Time Public Speaking Coaching for Enhanced Communication |
| | 325 | Hybrid Physics Information ML framework for Lithium Ion Battery Prognostics |
| | 339 | Graph-Based Credit Risk Modeling in P2P Lending Using Gower-Derived Centrality Features |
| | 352 | An Ensembled Deep Learning Approach for Prognosis of Dysgraphia in Children through Handwritten Images. |
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| 1:15 pm - 2:30 pm | **Track 2** | |
| | 348 | AutoContext: An Adaptive Framework for Intelligent Context Management in Large Language Models |

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| | 349 | Multimodal Fusion with Cross-Modal Attention for Robust MCI-to-AD Prediction |
| | 351 | Chennamane: The Historiography, Gameplay, and Cultural Revival of an Obscure Folk Game from Southern India |
| | 355 | A Machine Learning Approach for Predicting Term and Preterm Births Using Maternal Data |
| | 356 | Optimizing Profit Scoring in P2P Lending Using Prepayment and IRR Analysis |
| | 360 | Early Paddy Disease Detection &Sustainable Farming for South Indian Farmers |
| | 361 | SkillCraft: LLM Powered Interview Preparation Platform |
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| 1:15 pm - 2:30 pm | **Track 3** | |
| | 367 | Real-Time Violence Detection Using Lightweight Deep Learning |
| | 380 | SCRAP LINK- Smart Scrap Collection and Trading System |
| | 816 | AI-Powered Multi-Class Adverse Drug Reaction Prediction from Real-World Clinical Data |
| | 872 | A Single-Layer Pseudo-Quantum Creep-In Mechanism for Time-Series Forecasting |
| | 435 | Unveiling Influential Nodes in Complex Networks: A Journey Through Graph Learning, Community Insights, and Fuzzy Hybrids |
| | 457 | Computer Vision Based Approach for Ergonomic Posture Monitoring in Working Environments: Leveraging YOLO11s Pose Model along with an XGBoost Classifier |
| | 676 | Automobile Industry Growth Prediction Using Machine Learning |
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| 2:40 pm - 4:00 pm | **Track 1** | |
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| | 463 | Gradio-Enabled Dual-Model Waste Classifier |
| | 469 | Grade-Specific LSTM-Based Approach for Data-Driven Forecasting of Adike and PatoraArecanut Market Prices |
| | 474 | A Comprehensive Survey of Deep Learning-Based PCB Defect Detection Techniques |
| | 480 | System Integrated Global Machine Automation Operating System (SIGMA OS) |
| | 492 | EEG-Based ADHD Classification Using Machine Learning and Boosting Algorithms |
| | 500 | A Comprehensive Review on Handwritten Descriptive Answer Script Evaluation |
| | 512 | AI-Powered Voice-Enabled Real-Time Product Ordering System |
| | 781 | Spike Sorting and Event Detection Using Selected Machine and Deep Learning Models |
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| 2:40 pm - 4:00 pm | **Track 2** | |
| | 513 | Advancements and Challenges in Historical Language Restoration: A Comprehensive Review of Techniques, Text Generation, Preservetion Strategies, and Ethical Considerations |
| | 516 | Conference Paper Acceptance Prediction with Quality Assessment using Machine Learning |
| | 521 | Building a Multilingual, Voice-First Banking Assistant: Architecture and |

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| | | Implementation for the OpenMF Ecosystem |
| | 551 | Virtual Chemistry Lab: Exploring Chemical Reactions through Immersive VR Technology |
| | 558 | Acoustic Based Real-Time Monitoring and Alert System for Illegal Logging Detection |
| | 563 | Student Feedback Sentiment Analysis on Textual Data: Comparing Machine Learning and Transfer Learning Approaches in Face-to-Face Courses |
| | 564 | AI-Driven Liver Disease Prediction: A Machine Learning and LSTM-Based Approach with Clinical Data |
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| 2:40 pm - 4:00 pm | **Track 3** | |
| | 568 | AUTOCTI - Automated Cyber Threat Detection Using AutoML |
| | 571 | VoltAI - Smart Energy Forecasting and Optimization System. |
| | 572 | Model Predictive Controller Design Using Machine Learning Models And Implementation Of Parameter Tuning |
| | 573 | Development of Machine Learning based Model Predictive Controller for Flow process |
| | 575 | LLM-Powered Text-to-SQL Generation and Data Visualization |
| | 586 | AI-Driven Sports Analytics: A Comprehensive Review of Player Performance and Injury Prediction Using Data Science |
| | 597 | Establishing a lightweight CNN Baseline on the |

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| | | SalmonScan Dataset for Fish Disease Detection |
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| **06/02/2026** | | |
| **9:15am - 10:00 am** | **Keynote Speech 2** | **Dr. Arun Kumar A, VIT, Vellore** |
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| **10:00 am - 11:15 am** | **Track 1** | |
| | 625 | Hardware-Level Emulation of Wi-Fi Clone Attacks with On-Device Intelligence using ESP32 |
| | 731 | EdgeStress: Real-Time Stress Detection Using IoT and Machine Learning |
| | 749 | Development OfIot Platform For Smart Kitchen |
| | 790 | Zero Trust Iot Security Platform |
| | 835 | IoT-Enabled Omnidirectional Surveillance Robot with Cloud-Based Face Recognition |
| | 727 | IoT and Machine Learning-Based Road Condition Monitoring and Pothole Detection System |
| | 808 | Accelerating Forward-Forward Learning on Hybrid Transfer Architectures via Adaptive Negative Sampling. |
| | 84 | Anomaly Detection in Vehicle Trajectories using LSTM Autoencoders and Gaussian Mixture Model. |
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| **10:00 am - 11:15 am** | **Track 2** | |
| | 814 | IoT-Vision System for Human Identification and Presence Counting Using Deep Learning |
| | 885 | EdgeBlockAI - An Offline, AI-Assisted Blockchain Framework for Supply Chain Anomaly Detection |
| | 646 | Optimizing Poultry Farming Through Environmental Data |

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| | | Analytics Using IoT,ERP Systems and Machine Learning |
| | 674 | Hybrid Deep Learning for Authenticating Video Integrity Using CNNLSTM Architecture |
| | 387 | Machine Learning Based System for Identification of Laghu and Guru in Sanskrit Verse. |
| | 678 | Spatial Dynamics of the Western Ghats Ecosystem in Kerala, India |
| | 686 | Glow-Code: A Hybrid AI-Powered Platform for Personalized Skincare Analysis and Recommendation |
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| 10:00 am - 11:15 am | **Track 3** | |
| | 688 | Evaluating Financial Impact of Misclassifications in Credit Scoring through IRR Analysis |
| | 691 | A Comparative Framework for Automatic Image Annotation Using CNN Architectures and CLIP-ViT |
| | 694 | Guiding Light Beyond sight: AI-Powered Object Detection for Blind Navigation |
| | 706 | Machine Translation from Tulu to English using Transformer Architecture |
| | 714 | Disaster Connect: A Unified Platform for Disaster Response and Relief using MobileNetV2 and BERT |
| | 724 | Comparative Analysis of Traditional Machine Learning and Causal Inference Models for ICU Drug Treatment Outcomes |
| | 598 | A Comprehensive Survey on Continuous AI-Based Attendance Monitoring Systems |
| | 383 | Leveraging Unsupervised K-Means Clustering to Identify Patterns and Seasonal |

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| | | Variations in Global Air Quality |
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| **11:15 am - 12:30 pm** | **Track 1** | |
| | 600 | Object Detection and Location Tracking on Water Surface using NVIDIA Jetson Orin Kit |
| | 776 | Intelligent Crop Protection: AI Powered Detection and Diagnosis of Plant Diseases |
| | 777 | Early Detection of Fetal Wellness and Distress using Biomedical Signal Processing |
| | 849 | Cleansort: A Waste Image Classification System for Smart Cities |
| | 805 | Hair Baldness Progression Prediction Using XGBoost: Risk Forecasting Model |
| | 806 | Tablet to Table: From Dosage to Dish-An AI Alchemy |
| | 608 | Electric Vehicle Growth Analysis and Forecasting Using Hybrid Machine Learning and Time-Series Models |
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| **11:15 am - 12:30 pm** | **Track 2** | |
| | 705 | Detection of Multiclass Pediatric Congenital Heart Defects using Deep Learning based Stacking Ensemble Method |
| | 609 | A Review on AI-Powered Speech Translation System with Emphasis on Tulu to English Translation |
| | 825 | Dog Activity Detection from Accelerometer-Gyroscope Using an Integrated CNN-BiLSTM Model |
| | 829 | An Empirical Evaluation of Synchronous vs Asynchronous Microservice Architectures for Enterprise Messaging Platforms |

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| | 830 | An AI-Powered Solution for Sustainable Resource Management. |
| | 610 | Multimodal Emotion Detection Using Voice and Facial Expressions With Deep Learning |
| | 837 | Real-Time Emotion classification Using TF - IDF with Logistic Regression, Naive Bayes, and SVM |
| | 589 | EASEL: Effective Actionable Surveillance with Enhanced Layered User Interfaces for Secure Remote Drone Identification using LoRa Communication. |
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| **11:15 am - 12:30 pm** | **Track 3** | |
| | 841 | Vision Transformers for Accurate Inferior Alveolar Nerve Classification in Cone Beam Computed Tomography |
| | 844 | Temperature Prediction Using Meteorological Parameters with Machine Learning |
| | 845 | Skin Cancer Detection and Classification Using Deep Learning Techniques |
| | 847 | Hybrid Deep Learning and Fuzzy Logic Model for Predicting Concrete Compressive Strength with Genetic Algorithm Optimization |
| | 848 | Prepinterview: A Multimodal Ai System To Enhance Student Interview Skills Through Behavioural And Speech Analysis |
| | 796 | Smart Platform for Effortless Assignment Submission and Precision Grading |
| | 852 | Wildlife Detection and Monitoring using Single Shot Detection |
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| 1:15 pm - 2:30 pm | Track 1 | |
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| | 869 | Startup Success Predictor: A Machine Learning - Based Forecasting Framework for Early-Stage Venture Assessment |
| | 407 | AIoT-based Anomaly Detection and Monitoring System for Smart Poultry Farms |
| | 874 | Predicting YouTube Video Popularity Through Machine Learning and Ensemble Learning Approaches |
| | 882 | Retrieval-Augmented AI Platform for Accessible Legal Support in India |
| | 895 | MED-XEL: Explainable AI on Ensemble Methods for Early Neurological Risk Forecasting |
| | 897 | AI-Driven Sign Language Translation: Bridging Communication Gaps through Deep Learning and Computer Vision |
| | 904 | Food Quality and Authenticity Detection Using Deep Learning and OCR-Based Techniques: A Survey |
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| 1:15 pm - 2:30 pm | Track 2 | |
| | 906 | Career Verify - A Fake Job Posting Detection |
| | 908 | ANOMATRIX- Wifi Anomaly Detection |
| | 910 | Bridging Musicology and MIR: A Cross-Traditional Survey and Computational Analysis of Carnatic Music for Emotion Recognition |
| | 911 | Spatio- Visual Helmet Violation Analytics Using YOLOv8 |
| | 914 | Traffic Routing & Prediction Using Optimized ACO-PSO |

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| | 915 | A Data Fusion-Driven Framework for Predicting Insurance Risk Using Explainable Ensemble and Deep Learning Approaches. |
| | 922 | Credit Score Simulator and Coaching Module for Intelligent Credit |
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| 1:15 pm - 2:30 pm | **Track 3** | |
| | 923 | Advanced Sleep Health Analyzer: A Machine Learning Driven Approach for Personalized Sleep Quality Prediction and Health Intervention |
| | 929 | A Lightweight, Client-Side Approach for Real-Time Detection of Text-Based Dark Patterns in E-commerce |
| | 935 | AlertCrowd: Web-Based Framework for Video Crowd Alerting Using Enhanced CSRNet |
| | 942 | Handloom Saree Classification Using Transfer Learning with MobileNetV2 |
| | 944 | Saree-Drape: A Deep Learning Framework for Automatic Karnataka Saree Draping Style Classification Using MobileNetV2 and MediaPipe-Based Multi-Person Detection |
| | 947 | A Multi-Model Assessment of Deep Learning Techniques for Regional Cuisine Identification Using Food Imagery |
| | 950 | Survey on Machine Learning and Deep Learning Techniques for Stutter Detection |
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| 2:40 pm - 4:00 pm | **Track 1** | |
| | 954 | Text to Treatment - T2T: Memory Enhanced Retrieval Augmented Generation (RAG) Framework for Personalize |

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| | | Ayurvedic Medicine Recommendation using Large Language Models |
| | 955 | Impacted Tooth Detection Using MobileNetV2 |
| | 961 | Artificial Intelligence Based Prediction of Menopausal Transition Phases from Symptomatology |
| | 972 | Mental Health Prediction System Using Artificial Intelligence |
| | 963 | Identification of Hate Speech in Kannada Through the Use of Deep Learning Technique |
| | 957 | Automated Oral Technical Evaluation Using Speech Recognition and Semantic Scoring |
| | 614 | Preprocessing real-world hazy images for improved results of DehazeFormer |
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| 2:40 pm - 4:00 pm | **Track 2** | |
| | 798 | A System And Method For Vision-Based Stress Detection Using Facial Expressions And Convolutional Neural Networks |
| | 948 | Identification of Sarcasm, Emoji Utilization, and Aspect Recognition in Feedback Using Sentiment Analysis |
| | 889 | DeepMarine: A Deep Learning Framework for detecting plastic debris in water and conserving biodiversity |
| | 799 | Bird Species Classification Using Convolutional Neural Network |
| | 569 | Integrating Supervised Learning Paradigms for Enhanced Marketing Campaign Outcome Prediction |
| | 813 | Towards Smart Manufacturing: AI-Driven Prediction and Analysis of Surface Roughness in Machined Components |

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| | 624 | Context-Aware Semantic Classification of Digital News Headlines Using Transformer-Based Models |
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| 2:40 pm - 4:00 pm | **Track 3** | |
| | 628 | WatermarkGAN : A comprehensive framework for Text-based Image Synthesis, Quality Analysis and Watermark Embedding |
| | 354 | ChemStruct: A Real-Time Molecular Visualization Platform for an Interactive Chemistry Learning |
| | 159 | An accurate and computationally efficient SOC estimation in EV batteries using enhanced Deep Neural Networks |
| | 736 | AI Insights into Asia's Development Landscape: A Multi-Algorithm Classification Study. |
| | 567 | Speech Response Latency Analysis in Children for Early Autism Detection |
| | 945 | TraCI Based Rear-End Accident Detection Framework |
| | 341 | Investilyze - Personalized Investment Advisor for Diverse Asset Classes |
| | 627 | Predicting Job Applicant Success Using Machine Learning: A Comparative Study Using Random Forest and SVM. |
| 07/02/2026 | | |
| 9:15am - 10:30 am | **Track 1** | |
| | 918 | AI Powered Sentiment Analysis using Image and Video |
| | 215 | A Region-Aware Application for Measuring the Carbon |

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| | | Footprint of Large Language Models |
| | 273 | A Global Perspective on Intellectual and Developmental Disabilities: Insights and Future Directions |
| | 824 | BEHANA : Enhancing Women's Safety through AI-Powered Solutions. |
| | 587 | Machine Learning-Based Assessment of HTTP Security Header Deployment Across Top Web Domains |
| | 518 | Human Karyotype Analysis Using Deep Learning with Chatbot Assistance |
| | 892 | Sentiment Analysis on IMDB Reciews: A Comparative study of Bag-of-Words ,Deep Learning,and Transformer Models |
| 9:15am - 10:30 am | **Track 2** | |
| | 517 | Melanoma Classification using Adaptive Nutcracker Optimization -based Dense Residual Dual-Shuffle Attention Network using skin images. |
| | 784 | Context-Aware Recipe Recommendations using NLP with Multilingual Support |
| | 311 | Smart Interior Design: Integrating AR Visualization and Chatbot Assistance |
| | 920 | Mood Detection in Kannada Songs Using Audio Feature-Based Machine Learning and Hybrid Data Balancing Techniques |
| | 642 | A Composite Metric for Assessing Automated Testing Tool Effectiveness: Development and Validation of TCS. |

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| | 381 | Machine Learning and Smart PLS Approach to Understanding Individual and Technological Determinants of Work Engagement and Workplace Happiness |
| | 867 | Advanced Smart Accident Detection System with IoT and AI Integration |
| | 504 | ESP32-Based Wi-Fi Signal Mapping and Machine Learning–Driven Access Point |
| | 508 | A Lightweight Framework for Emotion Drift and Asymmetry Detection in Explainable Deepfake Analysis |
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| 9:15am - 10:30 am | **Track 3** | |
| | 723 | An Efficient Machine Learning Pipeline for Diabetes Readmission Prediction Using Multi-Phase Feature Optimization |
| | 257 | A Hybrid Deep Learning Framework for Brain Stroke Diagnosis Using MRI and CT Scans |
| | 927 | SignGemma Multilingual Expansion: Integrating Indian Sign Language(ISL) For Accessible Real Time Translation |
| | 875 | Voice-Based Biometric System: One-Shot Learning for Unseen Speaker Generalization |
| | 585 | BEST: Blockchain And AI-Enabled EHR System For Ambulatory Care |
| | 851 | Dual Image Super-Resolution for High-Resolution Optical Satellite Imagery and Its Blind Evaluation Using an Agentic Approach. |
| | 243 | QR Code Based Digital Payment System for Bus Conductors. |
| | 866 | CROSS-Sched: A Crossover-Aware ML Scheduler and its |

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| | | Benchmarking on Heterogeneous Systems. |
| **9:15am - 10:30 am** | **Track 4** | |
| | 496 | Cognera:An Intelligent Tool For Dyslexia Detection And Correction. |
| | 949 | Deep Learning-Based Stock Prediction Leveraging Financial Sentiment and Market Indicators. |
| | 938 | (AI)-powered Applicant Tracking System (ATS) Resume Analyzer. |
| | 937 | Pneumothorax Detection and Severity Estimation Via Chest Radiographs. |
| | 883 | Real-Time Phishing Threat Detection Using Hybrid Deep Learning and Multi-Domain URL–Email Analysis. |
| | 530 | Exploring Automated Conversion of 2D Blueprints to 3D Models for Civil Applications using Deep Learning Approaches. |
| | 401 | Centroid-Proximal K-Means: An Interpretable Framework for Urban Air Quality Clustering Using Multi-Pollutant and Meteorological Indicators. |
| | 621 | Anime Characterizer: A Deep Learning-Based Anime Character Recognition and Recommendation System. |