

Centre for Research, Anna University
International Conference on “Research Trends in AI and IoT for Infrastructure and Industry”
AIII 2024 (6th to 8th March 2024)

Time		DAY – 1 (06.03.2024)			
08:00	09:00	Registration			
09:00	10:30	Inaugural Session			
10.30	11.15	Plenary Talk			
11.15	11.30	TEA BREAK			
11.30	12.15	Plenary Talk			
12.15	1.00	Poster Presentation			
1.00	2.00	LUNCH BREAK			
Session & Venue		Track – 1 (Hall No.)	Track – 2 (Hall No.)	Track – 3 (Hall No.)	Track – 4 (Hall No.)
02:00	2.45	Invited Talk	Invited Talk	Invited Talk	Invited Talk
2.45	3.00	Track ID: AIG1-1 / Ref. no. 17151 Title: Robust Underwater Image Enhancement Using DEEP learning Hybrid Approach	Track ID: AIH1-1/Ref. No. 17218 Title: Navigating Public Opinion: An In-Depth Analysis of COVID-19 Vaccination Sentiments on Twitter through ML and DL Models	Track ID: IOT1-1 / Ref. no. 17133 Title: How IoT Aides Good Samaritan in Humanitarian Needs?	Track ID:IIA1-1 / Ref.no. 17256 Title: A Comprehensive Iris Recognition System for Secured Healthcare Access
3.00	3.15	Track ID:AIG1-2 / Ref. no. 17220 Title: Micro Expression Recognition using Low Memory Minimal Directional Local Tetra Pattern	Track ID:AIH1-2 /Ref. No.17228 Title: Conversion of Indian Sign Languages to Text and Speech Using TensorFlow	Track ID: IOT1-2 / Ref. no. 17138 Title: Designing a Secure Drug Supply Chain System by Bridging IoT and Blockchain	Track ID: IIA1-2 / Ref.no. 17288 Title: Real time monitoring strength and maturity of concrete using IoT system.
3.15	3.30	Track ID: AIG1-3/ Ref. no. 17222 Title: TRANSFORMATION OF COMPOUND AND COMPLEX SENTENCES INTO SIMPLE FOR AI-DRIVEN NLP TASK	Track ID:AIH1-3/ Ref. no. 17232 Title: Deep Learning-Based Clinical Support System for Decision-Making for Cardiovascular Disease Diagnosis	Track ID: IOT1-3 / Ref. no. 17231 Title: Medical image compression and Classification using deep learning algorithms in IoT healthcare	Track ID:IIA1-3 / Ref.no. 17471 Title: IoT Devices with Machine Learning Techniques for Predicting Heart Attacks
3.30	3.45	Track ID:AIG1-4 / Ref. No. 17240 Title: A Comparative Analysis of Batch Normalization Techniques across Various CNN Architectures to Improve Deep Learning Architecture Performance	Track ID: AIH1-4 / Ref. No. 17246 Title: Generative Adversarial Networks based segmentation model for acute lymphocytic leukemia detection	Track ID: IOT1-4 / Ref. no. 17243 Title: IoT-Driven Vehicular Ad Hoc Networks (VANETS) simulation for Intelligent Traffic Management systems	Track ID:IIA1-4 / Ref.no. 17498 Title: INTEGRATED ENVIRONMENTAL MONITORING SYSTEM FOR PRECISION CROP MANAGEMENT IN AGRICULTURE
3.45	4.00	TEA BREAK			
4.00	4.15	Track ID:AIG1-5/ Ref. No. 17245 Title: Deep Learning-Based Intelligent counterfeit Reviews Detection system	Track ID: AIH1-5/ Ref. No. 17249 Title: Air Writing Recognition System using Machine Learning Algorithms	Track ID:IOT1-5 / Ref. no. 17300 Title: Enhancing Cyber-Physical Security for Connected and Automated Electric Vehicles Through Attack Detection and Reconstructed Measurement Feedback	Track ID:IIA1-5/ Ref. no. 17248 Title: Advancements in Piezoelectric Tiles: Harnessing Kinetic Energy for Sustainable Urban Power Generation
4.15	4.30	Track ID: AIG1-6/ Ref. No. 17247 Title: Automated Multi Face Recognition Based Attendance System using Deep Learning Models	Track ID:AIH1-6/ Ref. No. 17287 Title: LA-GAN for Improved Segmentation of Left Atrium from Cardiac Magnetic Resonance Images	Track ID:IOT1-6 / Ref. no. 17390 Title: NOISE REDUCTION FOR BRAIN MRI ENHANCEMENT: OPTIMIZED AUTOENCODER DECODER APPROACH / medical imaging	Track ID: IIA1-6/ Ref. no. 17254 Title: Enhancing Non-Uniform Confinement in Tapered Concrete-Filled Steel Tube (CFST) Columns through Fiber Reinforcement
4.30	4.45	Track ID:AIG1-7 / Ref. No. 17255 Title: SPACE AND TIME CONSTRAINED FAST ASSOCIATION RULE MINING WITH OPTIMAL SUPPORT AND CONFIDENCE THRESHOLD USING HYBRID SWARM GRAMMATICAL EVOLUTION	Track ID:AIH1-7 / Ref. No. 17347 Title: Functional Near-Infrared Spectroscopy-based assessment of mental workload levels for effective stress management	Track ID: IOT1-7 / Ref. no. 17397 Title: Revolutionizing Investment Strategies: Exploring the Impact and Uptake of Intrapreneurial Initiatives in Robo-Advisory Services	Track ID: IIA1-7 / Ref. no. 17421 Title: Drone System Application for Monitoring Buildings - Case Study at Educational Institution
4.45	5.00	Track ID:AIG1-8 / Ref. No. 17264 Title: Cross Domain Recommendation System relying on BIVAE		Track ID: IOT1-8 / Ref. no. 17423 Title: Digital Signature to Revolutionizing Data Integrity and Privacy based On Hash-Linked Key	Track ID:IIA1-8/ Ref. no. 17448 Title: Bolstering Transportation Infrastructure: The Challenge of Connecting Geographically Isolated Regions

Time		DAY – 2 (07.03.2024)			
9.00	10.15	Plenary Talk			
10.15	11.30	Plenary Talk			
11.30	11.45	TEA BREAK			
11.45	01:00	Poster Presentation			
1.00	2.00	LUNCH BREAK			
Session & Venue		Track – 1	Track – 2	Track – 3	Track – 4
		(Hall No.)	(Hall No.)	(Hall No.)	(Hall No.)
02:00	2.45	Invited Talk	Invited Talk	Invited Talk	Invited Talk
2.45	3.00	Track ID: AIG2-1 / Ref. no. 17251 Title: Machine learning based voice Biometrics for enhanced security	Track ID: AIH2-1 / Ref. no. 17429 Title: Optical Coherence Tomography Image Analysis using Symmetrical Recurrent Neural Network	Track ID: IOT2-1 / 17441 Title: IoT-Enhanced Photovoltaic Panel Monitoring System with CNN Algorithm for Efficient Energy Management in Smart Grids	Track ID: IIA2-1/ Ref.No. 17452 Title: Assessing the Impacts of Urban Growth on Chennai's Peri-Urban Areas
3.00	3.15	Track ID: AIG2-2/ Ref. no. 17280 Title: A clone code detection mechanism: near-miss category of type 2 variant	Track ID:AIH2-2 / Ref. No. 17431 Title: Visualizing Vitality: Harnessing Image Processing for Blood Group Identification	Track ID: IOT2-2/ 17450 Title: Anomaly Detection in IoT using Large Language Model	Track ID: IIA2-2 /Ref.No. 17462 Title: Sensitivity analysis for investigating the impact of uncertainties on failure probability of a four-bay twelve-storey frame structure
3.15	3.30	Track ID: AIG2-3 / Ref. no. 17297 Title: Disentangle Spoof Trace and Critical Representation Removal for Face Anti-Spoofing	Track ID: AIH2-3 / Ref. no. 17470 Title: Designing a Computer System for autopsy analysis and pattern recognitoion In death	Track ID: IOT2-3/ 17493 Title: DESIGN OF IOT-BASED NON-INVASIVE TRUE LABOR AND FETAL POSITION IDENTIFICATION SYSTEM USING AI	Track ID: IIA2-3 /Ref.No. 17458 Title: IMPLEMENTATION OF STRUCTURAL HEALTH MONITORING FOR EARTHQUAKE RESILIENCE
3.30	3.45	Track ID: AIG2-4 / Ref. No. 17358 Title: Review of Isolated Converters and Control Schemes:Design Challenges and Performance Optimization	Track ID:AIH2-4 / Ref. No. 17472 Title: Early detection of non alcoholic fatty liver disease (NAFLD) usinf efficient feature optimisation and AI based classifiers	Track ID:IOT2-4 / 17405 Title: Design Thinking Oriented Business Process Models in Developing IoT and Industrial Applications	Track ID: IIA2-4 /Ref.No. 17440 Title: INTEGRATION OF TECHNOLOGICAL INNOVATIONS IN CONSTRUCTION INDUSTRY- A CASE STUDY
3.45	4.00	TEA BREAK			
4.00	4.15	Track ID:AIG2-5 / Ref. No. 17404 Title: Efficient character segmentation Algorithm for Ancient Brahmi Script Images	Track ID:AIH2-5 /Ref. no. 17508 Title: Rapid Screening of Respiratory Conditions by Automated Classification of Chest X-Ray Images.	Track ID:IOT2-5/ 17227 Title: IOT BASED INTELLIGENT WIRELESS TRANSMISSION SYSTEM FOR SELF-SUSTAINED ELECTRIC VEHICLE CHARGING	Track ID: IIA2-5 /Ref.No. 17217 Title: Prediction of compressive strength of concrete using machine learning techniques
4.15	4.30	Track ID: AIG2-6 / Ref. No. 17360 Title: Hybrid modelling of Three tank ETP-pH Neutralization process using Bond graph and Temporal Convolution Neural Networks	Track ID:AIH2-6 / Ref. no. 17160 Title: Anomaly Detection in Pulmonary Acoustics through Neural Networks	Track ID: IOT2-6 / 17253 Title: An Adaptive Control Application of IoT for Energy Savings in Office Buildings	Track ID: IIA2-6 /Ref.No. 17221 Title: The Role of IoT in Disaster Management: Building Services and it's Potential for Reuse

4.30	4.45	Track ID: AIG2-7 / Ref. No. 17424 Title: CRIMINAL DETECTION WITH AUTOMATIC ALERT SHARING SYSTEM IN CYBER FORENSIC USING FACE RECOGNITION IN DEEP LEARNING	Track ID: AIH2-7 / Ref. no. 17346 Title: SRMC: An Efficient Stacking Random Forest Meta Classifier Approach for Prediction of CardioVascular Diseases	Track ID: IOT2-7 / 17265 Title: A Secure and Effective Multidimensional Data Aggregation for Wireless Body Area Networks (WBANs) Based on Fog Computing	Track ID: IIA2-7/Ref.No. 17241 Title: Intelligent Transportation Systems for sustainable mobility in Smart Cities
4.45	5.00	Track ID: AIG2-8/ Ref. No. 17495 Title: Explorative Feature Extraction Techniques in Visual Data for Sentimental Analysis	Track ID: AIH2-8 / Ref. No. 17366 Title: Parkinson's disease classification using American Zebra Optimization Algorithm and recursive feature elimination	Track ID: IOT2-8 / 17314 Title: EFFICIENT SENSITIVE DATA HIDING FOR CLOUD STORAGE WITH ENHANCED SECURITY	Track ID: IIA2-8/Ref.No. 17273 Title: Review of AI based digital tools and their productive integration in design development workflows for architects
5.00	5.15			Track ID: IOT2-9 / 17419 Title: Smart Waste Management: Harnessing the Power of IoT for Sustainable Urban Environments	Track ID: IIA2-9/Ref.No. 17157 Title: Arduino Based Anti - Lock Braking System Assisted Hybrid Vehicle

Time		DAY – 3 (08.03.2024)			
Session & Venue		Track – 1 (Hall No.)	Track – 2 (Hall No.)	Track – 3 (Hall No.)	Track – 4 (Hall No.)
9.00	9.45	Invited Talk	Invited Talk	Invited Talk	Invited Talk
9.45	10.00	Track ID: AIG3-1/Ref. no. 17459 Title: Enhanced Security in Vehicular Cyber-Physical Systems utilizing ML and Differential Privacy	Track ID: AIH3-1/Ref. no. 17438 Title: Optimizing Chest X-ray Image Classification through Machine Learning based Feature Extraction Methods	Track ID: IOT3-1 /Ref. no. 17502 Title: Voice-Enabled Smart Home	Track ID: IIA3-1 /Ref.No. 17363 Title: Levenberg-Marquardt back propagation neural network models with optimal topology for the design of RCC flat slabs
10.00	10.15	Track ID:AIG3-2 / Ref. no. 17137 Title: Fake News Detection Using Machine Learning: A Comparison Between Traditional and Modern Methods	Track ID:AIH3-2 / Ref. no. 17492 Title: Understanding Disease Patterns in Medical Images through Deep Learning inspired by Koch Postulates	Track ID: IOT3-2 / Ref. no. 17115 Title: IoT-based vehicle routing for municipal solid waste management	Track ID:IIA3-2 / Ref.No. 17394 Title: REVIEW OF BIM-IoT-FM INTEGRATION IN COMMERCIAL BUILDINGS
10.15	10.30	Track ID: AIG3-3 / Ref. no. 17164 Title: Evaluation of supervised learning algorithms in predicting student enrolment in university	Track ID :AIH3-3 / Ref. no. 17239 Title: Holistic Brain Tumor Detection: Anisodiff-Optimized Image Preprocessing, Segmentation with Morphological Refinement, and HOG-Driven Feature Extraction and SVM Classification	Track ID: IOT3-3/Ref. no. 17268 Title: Optimizing Resource Allocation in V2X Networks: A Reinforcement Learning Approach with Multi-Head Attention Mechanism	Track ID:IIA3-3 / Ref. no. 17180 Title: Multimodal Data Fusion in Agriculture for Enhanced Leaf Disease Prediction
10.30	10.45	Track ID:AIG3-4 / Ref. No. 17238 Title: Predicting Online Social Site Events Using Machine Learning Approach	Track ID:AIH3-4/ Ref. No. 17301 Title: Detecting Abnormal Cell Nuclei: Advancements in Cervical Cancer Diagnosis with DETR	Track ID: IOT3-4 / Ref. No. 17331 Title: AUTOMATIC DETECTION OF WELDING DEFECTS USING YOLOv5	Track ID:IIA3-4 / Ref. No. 17274 Title: Carbon Credit Estimation for Sustainable Urban Planning and Micro-climate Assessment
10.45	11	TEA BREAK			
11.00	11.15	Track ID:AIG3-5/ Ref. No. 17389 Title: Strategic Learning Rates in Federated Learning: Insights and Recommendations for Enhanced FedAvg Performance in Non-IID Settings	Track ID:AIH3-5/Ref. no. 17317 Title: Fusion of Earth Observation Data and Sociodemographic census for prediction of health outcomes using Machine Learning Algorithms	Track ID: IOT3-5 / Ref. No. 17337 Title: Development of Synthetic data generation technique for limited image dataset using various GANs for image recognition application	Track ID:IIA3-5/Ref. no. 17332 Title: A MULTI-KERNEL CNN MODEL FOR CLASSIFICATION OF CITRUS PLANTS DISEASES
11.15	11.30	Track ID: AIG3-6 / Ref. No. 17124 Title: GENGPT AUTONOMOUS AI TOOL	Track ID: AIH3-6/ Ref. no. 17344 Title: Identification of novel differential RNA seq expression for Type 1 Diabetes using Machine Learning Approach	Track ID: IOT3-6/ Ref. No. 17443 Title: Animal Detection and Classification from Camera Trap Images Using Different Mainstream Object Detection Architectures	Track ID: IIA3-6 / Ref. no. 17388 Title: Analysing Climate Data for Enhanced Water Efficiency in Irrigation Systems using Machine Learning
11.30	11.45	Track ID:AIG3-7 / Ref. No. 17320 Title: Fleet Detection using Image Processing Techniques	Track ID:AIH3-7 / Ref. No. 17352 Title: Similar Structured Cell Nucleus Area Grouping using Deep Neural Network	Track ID: IOT3-7 / Ref. no. 17350 Title: Agri-IoT in Agricultural Education	Track ID: IIA3-7 / Ref. no. 17428 Title: Development of RADNet Model for Reliable and Transparent Grading of Agricultural Products based on Continuous Monitoring and Effective Visualization Models

11.45	12:00	Track ID: AIG3-8/ Ref. No. 17325 Title: Identification of Bird Species using acoustic features and Convolutional Neural Network	Track ID: AIH3-8 / Ref. No. 17467 Title: SIGN LANGUAGE TRANSLATION USING LSTM	Track ID: IOT3-8 / Ref. No. 17226 Title: IoT based Automated Vehicular Signaling System for Mountainous Terrain Using Seismic Data & Deep Learning	Track ID: IIA3-8 / Ref. No. 17442 Title: Soil Moisture Prediction using Transfer Learning to aid Bitter Gourd Cultivation in Agricultural Farms
12	12.15	Track ID: AIG3-9/ Ref. No. 17282 Title: Integration and enhancement of custom product design and development and manufacturing costs using AI in production engineering with shortage of resources		Track ID: IOT3-9 / Ref. No. 17420 Title: IoT-Driven Disaster Management: Enhancing Preparedness, Response, and Recovery	Track ID: IIA3-9 / Ref. No. 17474 Title: Wavelet Neural Learning based Fuzzy Controller for BLDC Motor
12.15	1.00	Poster Presentation			
1.00	2.00	LUNCH BREAK			
		VALEDICTORY FUNCTION			