

COMSYS 2025::List of Accepted Papers of Round 2

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160	Dys-Net: An Ensemble Deep Learning Framework for Automatic Dysarthria Detection from Speech Signals
161	Dynamic Contextual Enhancement for Retrieval-Augmented Generation
164	DDD : Driver Drowsiness Detection in Low-Light- A Comparative Study of Dlib and MediaPipe
165	Simplifying TLS Certificate based Security Content Rules for Effective Implementation
166	Optimizing DenseNet121 for Mobile-Based Plant Disease Diagnosis
168	CropSense: Quality Detection in Solanaceous Crops Using Explainable Deep Learning
170	Qualitative and Quantitative Analysis Of Mapping Algorithms In Indoor Autonomous Navigation
171	Multi-tier Fog Network Planning in Internet of Things Infrastructure for Delay Sensitive Applications
173	Impact Analysis of Natural Herb on Streptozotocin-Induced Diabetic Rats using 1 Machine Learning Method
174	Combating Cognitive Decline in Type 2 Diabetes: A Predictive Framework Using SAMME Based Ensembles and Explainable AI
175	Deep Learning-Driven prediction of Promoter Interactions using DNA sequence, Promoter Capture Hi-C and RNA-seq Data
176	Predicting Online Learning Performance using Integrated Behavioral and Academic Indicators
177	Mitigating Bucket Brigade Attacks in Quantum Networks Using Photon Polarization and Quantum Cloning Constraints
180	To propose a novel system for finding shortest path in a network Routing using GA.
182	Improved Deep Learning for Early Dyslexia Prediction: Enhancing Child Well-Being Through Timely Intervention
183	Multi-Feature Fusion with Machine Learning for Robust Detection and Classification of Citrus Lemon Leaf
184	An Ensemble-Based Predictive Framework for Early Diagnosis of Heart Disease
185	Optimizing IoT Networks: Insights from Comparative Analysis in Terrestrial and Underwater Acoustic Environments
188	Leveraging Data Analytics to Personalize and Optimize Blood Test Results
189	License Plate Recognition System Using YOLO and OCR

190	Developing a Multi-Modal AI System for Early Detection and Classification of Retinal Diseases using Fundus Images, OCT Scans, and Patient Data
191	Design of a Modular Alumni Management System with Real-Time Mentorship and Engagement Features
192	In-silico Interaction Study of FDA-approved and Natural Compound Drugs to Targets of Stomach Cancer
193	Assessment of Fuzzy Clustering Performance: Advanced Methods for Machine Learning and Data Science
195	A statistical outlook on the efficiency of some Deep Transfer Learning models for Brain and Lung Cancer identification of Medical Images
196	Multi User Chat using Parallel Processing
199	A Novel Deep Learning Approach for Online Payment Fraud Detection
200	Storm Whisperes: Forecasting Severe Storms Using a Heuristically Tuned Long Short-Term Memory Model
201	DetMSD: A Deterministic Multi-criteria Optimization approach for Smart Garbage Bin Deployment towards Sustainable City
203	Residual U-Net Framework Enhanced with Wavelet Denoising for Brain Tumor Segmentation
204	S-Palmitoylation Site Prediction of Mouse Protein Using Convolutional Neural Network
205	Real-Time Drone Control via Dual-Hand Gesture Recognition with Serial-PPM Translation
207	Heart Disease Prediction Model Using Federated Learning and Explainable AI
208	Boosted Ensemble Classification of Landsat 8 Imagery over Nainital Region Using Fuzzy C-Means and XGBoost
210	Improving Contextual Similarity in Bengali Documents using Modified Optimized Word Mover's Distance
212	Cross is better than Self: a tale of two recommendation techniques
214	Comparative Analysis of ML and DL Models for Survival Prediction in Pancreatic Cancer
215	Dual Approach Using Biological DEG Analysis and Machine Learning Models for Hub Gene Prediction in Alzheimer's Disease: A Case Study on GSE5281
216	Enhance the Effectiveness of Semantic-Based Retrieval Model in Bengali Language
217	PTBR: Probabilistic TTL Based Routing Protocol in Opportunistic Networks
218	Digital Synergy: Inclusion of Kautilya's Arthashastra with Artificial Intelligence
220	Length-Aware Variational Autoencoder for Synthetic Generation of Stress Response Proteins via Sequence Bucketing
222	A Comprehensive Study on IoT-Driven Climate Change Prediction and the Impact on Agriculture: Trends, Challenges, and Future Directions
223	Extraction of Image and Different Types of Text From Hand Printed Form Document

226	SAFEPath AI: Protecting Every Path with the Power of AI
228	Enhancing Heatwave Prediction Using Explainable AI: Feature Selection and Model Optimization for Improved Forecasting
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233	MediScanDL: Revolutionizing Lung Disease Diagnosis with AI-Driven Classification and Detection
234	Assessing Cardiac Health Risks With Fuzzy AHP and Fuzzy TOPSIS Approaches
235	Water Loss Management: A Study Using Fuzzy Approach
236	Assessment of Thyroid Disorder prevalence using Fuzzy AHP and Fuzzy TOPSIS Methods
244	Machine Learning Approaches for Kinship Detection: Techniques, Challenges, and Applications
245	Medical Image Analysis for Alzheimer’s Disease Diagnosis and Prognosis: Techniques, Tools, and Trends
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250	Systematic Review on Soil Fertility Prediction, Crop and Fertilizer Recommendations Using Advanced AI Techniques
254	An Adaptive and Robust Trust Management Model for SIoT
257	A Comparative Analysis of Deep Learning Models for Explainable Tomato Leaf Disease Detection
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263	Big Data Analytics Using Quantum Computing: Toward a New Computational Paradigm
265	Cancer Image Segmentation Using Deep Learning: Advancements, Challenges, and Clinical Applications
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336	Lightweight Homomorphic Encryption for Secure and Efficient Data Aggregation in IoT-Based Smart Agriculture
337	Noise-Resistant Temporal Feature Extraction for Enhanced Anomaly Detection in Indoor Video Surveillance
344	ClassiSolve: A Unified Machine Learning-Based System for Simultaneous Ticket Categorization and Resolution Time Prediction of Poorly Described Customer Support Tickets
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351	Combining Positive-Unlabeled Learning and Deep Learning for the Discovery and Prediction of Dietary Restriction-Associated Genes
362	Precision to Prediction: Ten Years of AI–IoT Integration in Intelligent Farming
369	Network Automation for DDoS Resilience: A Review of SDN and IBN-Based Detection and Mitigation Techniques
370	SmartHeartChain: Zero-Trust-Blockchain and Random Forest-driven a Reliable and Secure Cardiovascular Risk Assessment Scheme
371	QuExplain: Explainable AI using Quantum Kernel Methods for Medical Diagnosis
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