

List of Accepted Papers

DSISys2025

Paper ID	Title of Paper
2	Stroke Prediction by using Machine Learning algorithm based on symptoms
19	Multilingual AI Interaction System for Elderly-Centric Essential Service Accessibility
20	Exploring PCOS risk factors using data visualization
31	Detection Of Financial Fraud in Banking Using Machine Learning and Resnet-50 With Fairness Evaluation.
37	Impact of FinTech on Traditional Banking Models: A Literature-Based Analysis
44	A Static Analysis-Based Framework for Smart Contract Vulnerability Detection and Security Enhancement
62	Artificial Intelligence for Sustainable Performance in Financial Services: A Bibliometric and Systematic Review
75	Predictive Analytics for Flight Ticket Pricing: A Machine Learning Approach
77	Smart Image Authentication System: Advanced AI-Powered Photo Morph and Manipulation Detection with Intelligent Background Removal
78	Liberalization of FDI and Its Impact on India's Defence Trade and Economic Growth: A Comprehensive Time-Series Model for AI-Based Analysis
79	Habitual buying behaviour of customers in the age of AI and social media
81	The Role of Founders' Work Values in Shaping Start-Up Culture: A Qualitative Study
84	EduMate
89	Investigation of 21 cm Radio Line Emission for Supernova 3C 400 Utilizing BURT Observation
95	Accelerating Hardware-Software Co-Design through QEMU ARM Virtual Prototyping and HLS Synthesis Validation
97	Mimicking Ant Pheromone Trails for Intrusion Detection: A Bio-Inspired Propagation Algorithm with Dataset-Driven Validation
98	A Comparative Study of Traditional Alzheimer's Therapy and Digital Twin- Based Neurotherapy using Machine Learning
100	Double-Encrypted Privacy-Preserving Spectrum Auctions for Intelligent 5G/IoT Systems
101	Automating the DevOps Lifecycle with MLOps: A Case for Meta-MLOps
102	AutoMorph: A Self-Healing MLOps-DevOps Stack for Continual Learning in Production Environments
104	A Comparative Study of Artificial Intelligence Models to predict Heart Disease

105	Compact Active RIS Design for Energy-Efficient and Reliable 6G Wireless Communication
108	The Synergy of AI and Neuromarketing: Optimizing Advertising Strategies via Predictive Neural Modelling-A Conceptual Framework for Next-Generation Marketing Intelligence
110	A Conceptual Framework for an AI-Powered Triage System in Indian Lower Courts
118	Syncing Wellness: The Pulse Of Smart Watch Technology In The Health-Conscious Workforce
119	The Enhancement-Attrition Trade-Off: A Systematic Review of AI Writing Tools and Human Skill Development
120	Comparative Study of Botnet Detection in Internet of Things using Deep Learning
128	Optimized EfficientNet Model for Mango Leaf Disease Detection
130	Advanced Deep Learning Framework for Railway Track Defect Detection
132	Impact of Generative AI on undergraduate Students at RNFGC
133	Real-Time AI-Driven Voice Interview Simulation and Automated Performance Analysis Using VapiAI and OpenAI
135	Strategic AI Integration for Transforming Financial Services: A Comprehensive Model for Digital Innovation
136	A Study on the Behavioral Effects of Financial Perfectionism Using Structural Path Modeling and Predictive Modeling
137	ShiftGuard: Federated Early-Warning Models Robust to Hospital Shift.
138	RadFuse: Grounded Vision-Language Radiology Assistant
140	PulmoXAI: Unified Imaging, NLP, and Explainability for Lung Cancer Care
141	Optimized Distributed Processing of Probabilistic Data Structures Using MapReduce
142	Innovating CRM Workflows: Advanced Apex Integration Practices for Tailored Salesforce Solutions
143	AI-Based Empathy Measurement and Mentoring Platform Model for Enhanced Teacher-Student Interaction
144	Combined Wavelet-Based Compression with Confusion-Oriented Encryption and Diffusion-Driven Decryption
149	Optimal Machine Learning Surrogate Models for Prediction of Cow Milk Yield: An Interdisciplinary Approach
150	Self-Evolving AI Agents for Deep Space Missions
152	Advanced Machine Learning Framework for Predictive Modeling in Credit Risk Assessment
155	Self-Reflective AI Agent for Scientific Hypothesis Generation with Local LLMs
158	Exploring Factors Driving Average Order Value in Indian Quick Commerce: A Machine Learning Approach
178	A Hybrid Deep Learning Framework for Speaker Identification Using Multi-Feature Fusion
179	The machine learning in predictive modeling: A systematic analysis of Algorithmic efficiency, their interpretability and contextual adoption in complex systems
180	Viksit Bharat 2047: An Empirical Study on the Role of Women Empowerment in Artificial Intelligence



	Driving Social Change in India
181	iShuffle-LinkNet: Sequence-Based Prediction of Protein Protein Interactions Using Gene Ontology and Sequence Features
182	Integrating Innovation and Technology Enablement for Sustainable Renewable Energy in Asian Countries
207	Agentic AI based Educational Resource Recommender Chatbot
208	Learning Models to Conserve Security for IoT-WBAN Health Care Systems
210	Intelligent Support System for Accessing Government Schemes
213	SignSpeech: Real-Time ISL Translation Using Spatio-Temporal Graph Convolutional Networks and Transformers
328	AI Capability, Data Science Utilization Intensity, and Sustainability Performance: The Mediating Role of Data-Driven Decision Quality
330	VETE: A Hybrid model for detection of autism spectrum disorder
331	Auto Assign: Smart Department Predictor with Multilingual Support Using Applied Security
332	IoT Enabled Carbon Footprint Monitoring in Classrooms: A Pathway to Sustainable Education
333	Optimizing Data Retrieval and Update Operations Using PHP with MySQL Databases
335	AI-Driven Academic Behavior Analysis: Classifying Student Engagement Using Simulated Data
336	Agile-Driven Transformer-Based Foundational Architectures for Efficient Multimodal Perception and Prediction in Robotics, Healthcare, and Enterprise AI