

2026 4th International Conference on Knowledge Engineering and Communication Systems (ICKECS 2026)

CHICKABALLAPURA, India

24-25 April 2026

Pages 1–583

IEEE Catalog Number:
ISBN:

CFP26CW9-POD
979-8-3315-4778-3



Copyright © 2026, IEEE

All Rights Reserved

Copyright and Reprint Permissions:

Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

*** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.

IEEE Catalog Number:	CFP26CW9-POD
ISBN (Print-On-Demand):	979-8-3315-4778-3
ISBN (Online):	979-8-3315-4777-6

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA

Phone:	(845) 758-0400
Fax:	(845) 758-2633
E-mail:	curran@proceedings.com
Web:	www.proceedings.com

TABLE OF CONTENTS

Platform Engineering Approaches to Automated and Secretless Secrets Management	1
<i>Josephine Eskaline Joyce, Ninad Kanchan, Rakshith Padmanabha, Subhajit Bhuiya</i>	
EduSense: Advancing Teaching with Audio-Visual Analytics	7
<i>Soumya G V, Renukadevi M N</i>	
Traffic Sign Detection Using CNN in Adverse Imaging Environments	16
<i>Prathibha R, Yogaraja G S R, Amrutha N, Bhavya Shree D, Charitha N R, Harika K S</i>	
MIMO Antenna with Circular Slot for 5G Wireless System	22
<i>Sukruthi Reddy D Y, Parimala P, Drithi P, Mahima B M</i>	
Digital Twin-Based Smart Battery Monitoring and Integrated Safety System for EV Batteries	28
<i>Meghana S, Disha C, Adithi R, Chukki S B, Arya H V</i>	
Face Detection In Real World Environment Using Deep Learning Model	34
<i>Bhanumathi S, Sessaiah Merikapudi, Nandini S, Manjunath S, M. Krishna Rani, Gayathri V</i>	
Robust Lane Detection and Departure Warning in Adverse Weather using Hybrid Vision Methods	40
<i>M Aruna, K Vaishnav Rao, Varun B U, Syed Arfa, Prathmveer Singh Pawar, Koushik S N</i>	
AI-Based Structural Health Monitoring System for Smart Infrastructure Maintenance	46
<i>S. Manoj</i>	
YOLOv8-H9: A Hybrid Architecture for Enhanced Small Object Detection	53
<i>Srivalli S B, Rashmi S</i>	
An Adaptive Multi-Agent Framework for Energy Optimization in Green Data Centers	61
<i>Rakshitha N T, Bandavya G, Vijaya Kumara Y M, Lavanya J, Vidya V, Sahil A Gowda</i>	
Deep Learning-Based Automatic Video-to-Text Transcription System	69
<i>Shwetha C V, Champa H N, Suman</i>	
Deep Learning for Liver Disease and Hepatocellular Carcinoma: A Comprehensive Review of Segmentation, Diagnosis, Microvascular Invasion Prediction, and Survival Modelling	76
<i>Hemanthkumar K, Jagadisha N</i>	
Smart Personal Finance Manager with Intelligent Reminders and Analytical Insights	82
<i>Chitrabhanu B, Bindushree Bade, Palak Kumari, Amisha Verma, Vishwakiran S</i>	
VisionLearn: An Intelligent Educational Platform for Touchless Interaction	88
<i>Nithya S, Pramila Diwate, Rakshita Patil, Sreeja A K</i>	
Predictive Hybrid Ensemble Approaches for Forecasting Employee Attrition on HR Data	95
<i>Chinmai Shetty, Gangothri Sanil, K Annapoorneshwari Shetty, Ayush S Shetty, Krithi</i>	
MRI-Based Alzheimer's Disease Classification Using TensorFlow and Deep Learning	102
<i>Nagendrababu N C, Muniraju M, Varadaraju H R</i>	
Optimizing Thyroid Care Using A Dynamic Selection Hybrid Model With Boost Balancing	107
<i>V. Sathyendra Kumar, PremKumar T</i>	

Intelligent Laptop Assistance Chatbot using Retrieval Augmented Generation	113
<i>Varsha R, Manasa, Prarthana G, Rashmi S G, Shilpa K N</i>	
A Multi-View Human Body Measurement System Using Height-Normalised User-Defined Landmarks	119
<i>Ananya Danawadkar, Pratiksha Narwade, Akshat Kadam, Kaushik Mallibhat</i>	
Brain Guard: A Machine Learning System for Brain Tumor Detection	128
<i>M Aruna, Sadhvini Patil, Vaishali K M, Meghana D K, Deepika R, Hrushitha K L</i>	
Deep Neural Network Based Indian Embroidery Classification	135
<i>Vijayalaxmi Odeyar, Navya Gangvarpu, Rohini Angadi, Kaushik Mallibhat, Hemalatha Doddamani</i>	
LEAF: Learning and Evaluating Advanced Frameworks using YOLOv8 to YOLOv11 for Grape Disease Management	142
<i>Gopi M, Ashika S, Purnima T J, Banuprathap PV</i>	
Sentinel: A Human-in-the-loop AI Framework for Electoral De-Duplication	151
<i>Suhas U, Sujay Mudakappa Matur, Zaiba Farheen, Shabana Sultana</i>	
Bi-Level Optimization-Based Intelligent Clinical Decision Support for Pharmacogenomic-Guided Antimicrobial Therapy	157
<i>Chandana Mareddy, Thota Rashmi, Patil Bhuvan Theja Reddy, T. V. Smitha</i>	
Classifying MRI Scans into Multi-Stage Alzheimer's Classification using Deep Learning Algorithms	164
<i>Srinath G M, Bharathi M</i>	
Programmable Reactive Power Injection for DG System Using Statcom for Voltage Control	170
<i>Vijayshree G, Supreeth Kumar S, Rudresh K, Manoj S Gowda</i>	
Containerized HealthCare Monitoring Framework for Early Prediction of Liver Disease	177
<i>Usha Sree R, Rakshitha N, Ranjitha G D, Shreya R, Yash Srinivas Nidagundi, Sanskriti</i>	
Machine Learning Based Knowledge Level Classification and Summarization of Educational Video	181
<i>Shashank P Mane, Swaroop Prakash Naik, Nandana S Korigoudar, Kaushik Mallibhat</i>	
Smart Kinetic Envelope: Modeling and Empirical Testing of IoT Systems for Tropical Climates : A Low-Cost Innovation Approach to Making the Global South More Energy Efficient	189
<i>M. Amsaveni, Nikitha, Adarsh, Shree Harsha, Yashwanth R, Govardhan Reddy</i>	
A Multi-Threshold Based Framework for Urban Green Cover Assessment Using Satellite Imagery	197
<i>Aruna S, Pahal Srivastava, Risha M Keerthi, Nimisha Nagesh Bharadwaj, Shreya Matti Rao</i>	
Deep Learning-Based Speech Enhancement using Convolutional Encoder-Decoder Networks	203
<i>Vivek Raviraj D, Sakshi Shivakumar, Kiran K N</i>	
Clothing Pattern Recognition for Visually Impaired People	209
<i>Shwetha G R, Varshana M, Rakshitha G R, T Komala, Shravani G</i>	
Live Detection of Mental Disorder Using Artificial Intelligence	215
<i>Shwetha G R, Akshith Gowda R, Bharath Gowda A, Chandana G</i>	
A Low-Overhead Functional-Path BIST Architecture for Systolic AI Accelerator Cores	220
<i>Mohan Gowda H, Jisha P</i>	
Emotion-Aware Multilingual Sign Language Interpretation Using Deep Learning	226
<i>V. Inbarasu, J. Shalini, S. Bharathi, J. Rakshita Bai, M. Sakthivel, G. Nagarajan</i>	

ZUNO-The Smart Assistant	234
<i>D Swathi Darla, Vishesh J, Ananya G Naik, Rajnandani Singh, Megha R</i>	
Smart LungScan: An Intelligent Deep Learning System for Lung Disease Classification	240
<i>Anushree C, Chaitra M, Rajanishree M, Aishwarya</i>	
AI Based Parkinson's Disease Detection using Spiral Drawing Images and Wearable IMU-Based Tremor Analysis	246
<i>Mallikarjun Kelur, Ritesh Kulkarni, Vishwa Rachotimath, Kaushik Mallibhat</i>	
Smart Disease Prediction and Medicine Recommendation System	255
<i>Ushashree R, Aishwarya M, Deepthi, Hamsaveni D, Jayanth Kumar P N, Akash Kamath</i>	
Cognitive Dialogue System for Medical Decision Support Using NLP and LLMs	261
<i>D Sarika, K Karpagavalli, Mogalapalli Aravind Reddy, Thuggili Akanksha, Dande Amrutha Alavala Hanumanth Reddy</i>	
Gesture Recognition Towards Presentation Control	266
<i>Sadiya Mujawar, Vasudha Gudi, Anushree B Gutti, Kaushik Mallibhat</i>	
MentorConnect: A Data-Driven Multi-Year Mentorship System for Engineering Education	272
<i>Alakananda K, Ayyan Anwar, Nabil Ahmad Khan, Md Aasim Shaibani, Arjun K V</i>	
Water Area Dynamics Analysis of Jakkur lake in Bengaluru using SpatioTemporal Data	279
<i>Rajashri Padaki, Veena Cs</i>	
Image Enhancement for Classifying the Diabetic Retinopathy in Retinal Fundus Images	283
<i>Mahesh M R, Rohith S</i>	
Cardiovascular Risk Prediction using Retinal Eye Images	288
<i>VimalaDevi R, Prathibha A, Sireesha Bai K, Swathi A, Vaishnavi R, Varsha D</i>	
Predicting Workplace Anxiety in the Tech Sector Using a Machine Learning-Based Stress Prediction and Recommendation System	294
<i>Krithika, Saritha Shetty, Savitha Shetty</i>	
CBAM-Integrated EfficientNetV2-S for Accurate Impacted Tooth Detection in Dental Images	300
<i>Mamatha Balipa, Akshay Hebbar</i>	
Automated Quality Inspection and Counting Systems for Pharmaceutical Vials: A Technology Review and Future Directions	305
<i>Geeta Siddramayya Math, Girish V. Kulkarni, Sunith Babu</i>	
Robust Deepfake Detection Using a Hybrid CNN-GRU Architecture with Topology-Aware Face Preprocessing	313
<i>G R Parithosh, Chaitra M, Atul R Rao</i>	
Multi-Agent Interaction: Creating Websites with Ease	317
<i>VimalaDevi R, Prathibha A, Lokitha G S, Yashaswini, Srivatsa N, Vishal Kumar Jha</i>	
Multimodal Knowledge Distillation on MRI-based Alzheimer's Disease Detection with Clinical-Guided Teacher Learning	322
<i>Vaishnavi A Jadhav, Shruti M Jamakhandi, Shrinivas A Naganur, Kaushik Malhibhat</i>	

A Multi-Agent Reinforcement Learning Framework for Serendipitous Recommendation and Personalized Information Retrieval	329
<i>Girish M, Manoj Challa</i>	
A Hybrid Physics-AI Framework for real-world Energy Consumption Prediction and Range Estimation in Electric Vehicles	335
<i>Nirmitha S, Kavita V. Horadi</i>	
Deep Learning Model for Early Lung Nodule Classification	341
<i>Chitra K, Nagaveni KM, Harsha DV, Princy Leona P, Charitha R, SowmyaRani M E</i>	
LUCID: An Explainable Multi-Stage Framework for Lung CT Image Analysis and Clinical Outcome Interpretation	347
<i>Rachana.S, Kokila Paramanandam</i>	
A RAG-Based Multi-Platform Medical Information Assistant Using Large Language Models with Vector Embeddings, Real-Time Knowledge Updates, and Emergency Detection	354
<i>Gopi M, Purnima TJ, Monish A, Amruth Gowda</i>	
Analysis of IoT-Driven Autonomous Monitoring and Nutrient Management in Hydroponic Systems	364
<i>Jyothi P, Shrihari M R, Ajay N</i>	
Comparative Evaluation of Thresholding Techniques for Bone Fracture Detection and Severity Classification in X-ray Images	371
<i>Pushpa Ravikumar, Samanvaya K J, Arpitha C N</i>	
Emotion and Sentiment Detection in Telugu Text Using Multilingual Transformer Models	377
<i>Valluri Keerthi Ram, Kamma Ajay Nagswara Rao, Abhay Gokavarapu, Manju Venugopalan</i>	
A Natural Language Driven Agentic AI Framework for Automated Household Inventory Management	383
<i>Yashaswini C, Dicken Kumar K, Afnan Habeeb, Ranjith K C, Nidarsh P</i>	
Enhanced LFSR-Based Frequency Divider with Multi-Stage Feedback Selection and State Extension	389
<i>Raghavendra K R, Manjunath H S, Kiran B Hegde, Veena M B</i>	
Energy-Constrained GFDM Waveform Optimization for Reliable and Efficient 6G Wireless Communications	395
<i>Ravisimha B N, Guru Prasad S</i>	
AI and IoT Enabled Solar Thermal Cooking Systems for Sustainable and Clean Energy Access in Tribal Communities	403
<i>Triveni N, Triveni N, Anand R</i>	
AI-Based Intrusion Detection System	408
<i>Harish K, Madhumala R B, Rajanishree M, Aniketh Kulkarni, Madhan Setty Shashi Vadhan Mohd Mustaneer Nabeel</i>	
DeepLymphNet: A Deep Learning and approach for Acute Lymphoblastic Leukemia Detection	415
<i>Minal K Deore, M Brindha</i>	
A Novel Approach to Part-of-Speech Tagging for Kannada Proverbs by using an Optimized Multi-Layer Perceptron	422
<i>Jamuna Nikhil, Kiran Kumar B S, Kavya T G</i>	

Health Assistant for Disease Prediction Using Hetero-associative Memory and Large Language Models	428
<i>R Kumaraswamy, Keerthana M, Manjushree S</i>	
Chain Accident Prevention Through Automatic Braking System Using V2V Communication	434
<i>Rachana. A, Munegowda. GN, Pavitra Tarakar, Vikas. HV, Asharani. M</i>	
ArthoInsights: Predictive Knee Degeneration analysis	439
<i>Shashank S Shankar, Manjunatha S</i>	
Detecting Multi-Trigger Backdoors and Filtering Malicious Knowledge in Pre-Trained Models Using ResNet-34	446
<i>Mahesh Kumar M, Usha Rani H, Keerthi B, Reddeesha G, Bhavani B, Vamsi B</i>	
Modeling and Validation of an Origami-Inspired IoT Kinetic Facade System	452
<i>Pushpanjali S, Uday T K, Harshitha U, Vaishnavi A Dayapulle, Likith S N, Deepu S Kumar</i>	
Prompt-Based Emotion Detection and Story Generation	458
<i>Irigela Bharghava Vardhan Reddy, Janamanchi Naga Ramya Sree, Venkata Sai Vivekanand Tammana Manju Venugopalan</i>	
Enhancing Fetal Brain Ultrasound Image Segmentation Using GAN-Based Denoising	466
<i>Shashikala N, Nithyasree C, Nikitha S, Samhitha S Rao, Prabhanjan S</i>	
Robust Deepfake Detection Through GAN Fingerprint Extraction and Spatiotemporal Consistency Analysis	473
<i>Prathibha A, Vimala Devi R, A Anne Serena, Bharath M, Chethana R, Shriya R</i>	
Design Of Early PPA Estimation ML-Model Based on Uncertainty Quantification to Skip Place and Route	479
<i>Rachana P, Yasmeen M S, Chetan V</i>	
SynthNet: VAE–GAN–Driven Synthetic Data Generation for IoT Network Simulation and Multi-Class Intrusion Detection	484
<i>Alakunta Vyshnavi, D.Mahendra Reddy</i>	
Attention-Based Deep Learning for Medical Insurance Cost Prediction: A Comparative Analysis of TabNet and Tabular Transformers	490
<i>Jhashuva Udayagiri, Sidda Reddy V</i>	
ZT-GNN-MARL: A Zero-Trust Adaptive Cyber Défense Framework Using Graph Neural Networks and Multi-Agent Reinforcement Learning	501
<i>Ediyannagari Manohar, Kakarla Balachandra Reddy</i>	
Federated Learning and Deep Reinforcement Learning for Maintenance-Aware Energy Optimization in Industrial Wireless Sensor Networks	507
<i>Tanguturi Tejasree, Shaik Ghouhar Taj</i>	
Smart Resume Analyzer Using LLM Embeddings (Sentence-BERT) for Automated Skill Gap Detection	514
<i>Keerthi M S, Saritha Shetty, Savitha Shetty</i>	
Uncertainty-Aware Ensemble and Knowledge Distillation Framework for SAR-Based Oil Spill Detection	520
<i>Jithendra N, Harshith P, K R Haritej, Bhavatarini N</i>	

Adaptive Multi-Modal Intelligence Framework for Explainable and Energy-Efficient Deep Learning Systems	526
<i>Chundi Nagendram, V.Kavitha</i>	
Cost-Sensitive Long-Tail Intrusion Detection with Imbalance-Aware Learning and SOC-Oriented Evaluation	532
<i>Sareddy Hemalatha, Kuruva Chandra Shekhar</i>	
InternBot: Text-Based Chatbot With Multi-Turn Dialogue	538
<i>Hussana Johar R B, Koushik Y R, Sujal J, Venu S Nayak, Sudeep J</i>	
Virtual Classroom with AI-Generated Teachers for Different Subjects using LLMs	544
<i>Sindhu D, Nimisha Y B, Manoj Singh N K, Nandan Ganesh B G, Rohit Gowda K R</i>	
Resource–Accuracy Trade-off Analysis of Entanglement-Based Feature Fusion for Hybrid Quantum-Inspired Intrusion Detection	551
<i>Atla Jithendra Reddy, Levadala Bhavya</i>	
Smart lock Authentication System Using Ble Proximity And Cryptographically - Signed VP Transport	557
<i>Kiran P, Manohar P, Chethana R, Darshan N, Rithika Shetty, Sanjay N</i>	
Deep Learning Based Real-Time Sign Language & Gesture Translator	563
<i>Baba Fakruddin Ali B H, Raghavendra Patil G E, Swastik Anand, Tushar Pandey, Utkarsh Krishna Tripathi Saksham Srivastava</i>	
Comparison of Multi-Modal Sentiment and Behavior Analysis of Chat Applications Using Text and Emoji-Based Features	571
<i>M Vighnesh Mallya, Roshan D Suvaris</i>	
Adaptive V16: Cost-Aware Reinforcement Learning Control for Robust NISQ Variational Optimization	577
<i>Kondamudi Sivapavathi, Cheppali Prabhavathi</i>	
AI-Powered Movie Recommendation System	584
<i>Uppi Sai Vyshnavi, Rashmi G, Sandhya Bn, Baba Fakurddin Ali B H, Raghavendra Patil G E, Mehar Afroz</i>	
Hybrid DPM–DVFS and User-in-the-Loop Feedback Driven Deep Reinforcement Learning for Energy-Efficient Wireless Network Management	595
<i>Dasi Saidurga, S. Jessica Saritha</i>	
Predicting the Total Crop Production in Area and Advising Best Alternative Crop	601
<i>Chandan M, Aditya, Anurag Vishwanath Gadduge, Chidamabaram M, Baba Fakruddin Ali B H Raghavendra Patil G E</i>	
Real-Time early Stress and Anxiety Detection Using Deep Learning with Attention-Based Sequence Modeling	611
<i>K. Lokesh, Balaram Nadiya, Kallatolla Sathvika, Varampati Bhavitha, C Charan Kumar R. Thushara Bharathi</i>	
Noise-Aware Adaptive Variational Quantum Neural Network (NAVQNN) For Robust NISQ-Era Banknote Authentication	619
<i>Bommiseti Rakesh, G. Murali</i>	
Adversarial-Trained Deep Ensemble for Robust DDoS Intrusion Detection Using CICIDS2017	626
<i>Ummadisetty Venugopal, Mediga Nagaseshudu</i>	

A Systematic Review of Federated Learning Algorithms for CubeSat and LEO Satellite Systems	633
<i>Anamika Kunwar Rao, Abhiram V, Sumant Bhat, A K Kavan, Evan M Anto</i>	
Explainable Quantum EEG Analysis for Stress Detection	640
<i>A. Venkata Ramana, Madhusudhan G, Navya R, Reddy Nageswari B, Divya C, Sumalatha T</i>	
Cataract Detection Using Machine Learning	649
<i>Deepika T E, Harsha D S, Bhargavi S M, Baba Fakruddin Ali B H, Raghavendra Patil G E, Mehar Afroz</i>	
Agentic Command Assistant: Integrating Visual Perception with Generative AI for Advanced Tactical Decision Support	659
<i>Sannapaneni Jeevan, K. Sireesha, Akkichetty Meghanadh, Pemmasani Bhargavi, Kokkanti Om Adithya Shaik Salman</i>	
Design and Evaluation of an Intelligent IoT-Based Pill Dispensing System for Elderly Medication Adherence	667
<i>Manjeet Kaur, Kamali Gupta</i>	
ESP32 Based Surveillance Lawn Mower Robot	673
<i>Darshan Mahesh Naik, Deekshita Reddy P., Ramaroodha, Seema S.</i>	
Multi-Axis Mechatronic Object Handling System	679
<i>Kavyashree H N, Bhoomika H M, Ajay M S, Disha K M, Seema S</i>	
DeepFake Face Detection Using Machine Learning: A Hybrid CNN-LSTM Approach	685
<i>Anand Tilagul, Mohan D N, Kiran Kumar P N, Lahari K N, Sinchana R, Pravruthi K M</i>	
EmbedCheck Algorithm: A Computational Framework for Multi-Document Semantic Text Similarity Analysis and Academic Assignment Evaluation	690
<i>Manoj Kumar D S, Subasree S, Nivedha S, Vasmathi Natchi S</i>	
Personal Healthcare Assistant Using AI	696
<i>Shruthi G, Anand Tilagul, Deepak B L, Chandana M</i>	
AI-Enabled Voice Replication for Scalable and Personalized Education	702
<i>Nandini S, Manjunath K M, Darshan S Bhargav, Chethan A</i>	
Text Image Restoration: A Comprehensive Review of Multi-modal, Generative, and Adaptive Approaches	708
<i>Magdalene Janet Johnson, Roshan D Suvaris, Anantha Murthy</i>	
Adaptive Cyber Threat Detection Using Event-Aware LSTM Networks	714
<i>A. Venkata Ramana, C. Pallavi, M. Gangadhar, B. S. Uday Kumar, B. Lochan, U. Keerthi Priya</i>	
Zero-Shot Image Classification in Low-Resource Medical Image Diagnosis Using Fine-Tuning Transformer Models	720
<i>Manjula Gururaj Rao, Pratheeksha Nayak, Mrudul Mascarenhas, Vatsala G. A, Priyanka H Ahamed Shafeeq B M</i>	
Secure and Scalable Blockchain Architecture for Food Safety and Traceability of Supply Chain	726
<i>Manikantha K, Geetha S</i>	
Aura Aid (Protection You Can Feel): An Autonomous Crisis Detection and Evidence-Based Response System	730
<i>S Selvi, P Manish, S Logesh, S Nishanth</i>	

Mitigating Context Loss in Legal RAG: A Metadata-Aware Chunking Strategy for Hierarchical Indian Statutes	736
<i>Venkatesh S Bati, Abhigna C B, Samarth H Sindhya, Kalpa R</i>	
Cryptography-Based Secure Voting System for College Elections	742
<i>Pavithra H. B., Chinmayi G. S., Deeksha, Dhyan Prem, Pruthvi Acharya J, K.S. Shivaprakasha</i>	
AutoSteer: Steering Angle Prediction	747
<i>Bhumika G, Uma Shankari B</i>	
Climora: A Deep Learning–Based Environmental Intelligence Platform	753
<i>Suman Kumar, Pranchal, Bhanupriya Gautam, Er. Abhishek Tiwari</i>	
An Intelligent ML-Based Decision Support System for Waste Trade and Recycling	760
<i>Priyadarshini S, Bhavana H N, Hema Chandra D M, K B Siddesh, Samruddhi R, Manjushree S</i>	
Structural Damage Assessment and Repair Estimation Using Convolutional Neural Networks	767
<i>Pushpanjali S, Nikhil J, Lakshit, Girish A M, Divya S, R Jayanthi</i>	
Assistive Communication Systems Powered by Braille Sphere IoT Technology	773
<i>Pavithra G, Swapnil S. Ninawe, Nithya, Jwala, Krishnamurthy, Dhanush</i>	
Design and Verification of MDIO Serial Bus Controller for Ethernet PHY Communication with an APB Interface	779
<i>Shriniketana Kalale, Kiran K N, Subramanya D, Shreesh Purandarvittal</i>	
An Intelligent IoT-Enabled Precision Farming Robotic System for AI-Based Crop Health Monitoring and Smart Agricultural Management	785
<i>Varsha P. Hotur, Farah Kowsar, Sindhu K, M B Girish, Pavithra G., Swapnil S. Ninawe</i>	
A Survey on Enhancing Information Security in Cloud-Enabled IoT Monitoring Systems	791
<i>Meenakshi L N, Shrihari M R, Ajay N</i>	
Forge Detect: Deepfake Detection Framework for Image and Video Media	797
<i>Merlyn Mary Stephen, Rinny Anna Thomas, Shalin Ann Thomas, Sneha Mariam Samuel, Jinu Thomas</i>	
Detection of Health Conditions and Disease of Multi-Crops Using Deep Learning and Machine Learning Models	803
<i>Hamsa G R, Geeta Budni, Harshith Kolluru, Akarshak Sharma, Nalini N, P. N. Tengli</i>	
How AI Driven Recommendations Shape Purchase Intention in Short Video Commerce on E-Commerce Marketplaces: Evidence from the Mekong Delta, Vietnam	809
<i>Hong Minh Ngoc Tran, Anh Phan Ngoc Que, Thuy Truc Nguyen</i>	
AI-IDS: A Dual-Domain Intelligent Intrusion and Tamper Detection Framework for Securing IoT and CCTV Systems	815
<i>Yashaswini Nag M N, Swathi Darla, Anirudh G M, Chaitanya M</i>	
Queue Monitoring and Occupancy Estimation Using Image Processing	821
<i>Manjula Gururaj Rao, Priyanka H, Moulya N Shetty, Neel Patel, Sarthak R Gouda, Shriya Alva</i>	
Early Identification and Segmentation of Brain Tumors Using Deep Learning Techniques	828
<i>Anand Tilagul, K S Anand Kumar</i>	

RAG-Based Intelligent Short Answer Grading using Large Language Models	833
<i>Malipreddi Sravani, Manju Venugopalan</i>	
Web Server Log Analyzer Using Apache Spark and Hadoop	840
<i>C. Venkata Siva Sai Raju, K Subhash Chandra, P Mithun Karthikeya, Manju Venugopalan</i>	
Detecting Health Misinformation: AI Solutions for Medical and Policy Content	847
<i>Hima Sagar B, A Vibhas Reddy, S Pavan Kumar, Manju Venugopalan</i>	
Predicting Student Performance in Architectural Visualization: A Random Forest Comparison of Core and Elective Student Groups	853
<i>S. M. Monowar Kayser, Mridul Sikder, Anindya Rudra, Sayon Chakraborty</i>	
Optimized Random Forest–Based Soft Computing Pipeline for Multi-Class DDoS Detection in Cloud Environments	859
<i>Mridul Sikder, Sourav Mohanta, Sayon Chakraborty, Anindya Rudra</i>	
Optimizing Serverless Computing Performance: A Cost-Aware Strategy for Cold-Start Reduction And Workload Scheduling	865
<i>Shikha Atwal, Anupriya</i>	
Areca Nut Recognition Using Machine Learning	870
<i>Pooja Bharamagoudra, Geetha R Bharamagoudar, Manjula</i>	
Enhanced Perimeter Surveillance: A Radar-Optimized CNN for Reliable Drone-Bird Discrimination	876
<i>Mridul Sikder, Sayon Chakraborty, Anindya Rudra, Arjya Dutta</i>	
Paddy Crop Health Monitoring Using ML	882
<i>Tanuja Hiremath, Geeta R Bharamagoudar, Shobha R B</i>	
Explainable Brain Tumor Classification in MRI Using VGG19 Transfer Learning and Grad-CAM Visualization	888
<i>Mridul Sikder, Sayon Chakraborty, Himanshu Kumar Sah, Anindya Rudra</i>	
Physics-Informed Gradient Boosting for Landmine Detection: A Comparative Analysis with Deep Learning Approaches	894
<i>Mridul Sikder, Koustav Das, Sayon Chakraborty, Arjya Dutta</i>	
AI-Powered Assistive System for Visually Impaired People	900
<i>Ishwarya. S, Pasala Sathvika, Sakthivel. S, Raghavi. K</i>	
Vision-Based Driver Alertness Monitoring Using LSTM-Based Cognitive Drift Analysis and Post-Detection Verification	906
<i>D.N.S.B Kavitha, G. Gnanmbika Praharshini, G. Rasya Sri Ganga, Manoj Tammineedi, K.Veera Raju</i>	
Transparent Threat Detection: Innovative Strategies and Future Pathways for Explainable IDS	912
<i>Suseta Datta, Debrupa Pal, Subhasree Bhattacharjee, Maitreyee Banik, Dewashish Anand Poddar Bhawana Agarwal</i>	
Modelling Predictive Uncertainty for Reliable Traffic Flow Forecasting Using UA-STTFF Framework	918
<i>Hemavathi N, R Sumathi</i>	
Field-Oriented Potato Disease Diagnosis: An Optimized EfficientNet-B0 Framework for Real-World Agricultural Deployment	926
<i>Mridul Sikder, S. M. Monowar Kayser, Anindya Rudra, Sayon Chakraborty</i>	

Early Diagnosis of Health Risks via Non-Invasive Retinal Eye Image Analysis	932
<i>Shruthi Shetty J, Rakshitha R, Rayna Geo, Manvi Shetty, Trisha Dev</i>	
Multiclass Satellite Imagery Segmentation Using Deep Encoder–Decoder Networks	938
<i>Sukalyan Chakraborty, Aritra Roy, Aditya Kumar Roy, Satyam Sarkar, Papri Ghosh, Debrupa Pal</i>	
<i>Md. Ashifuddin Mondal, Subhram Das</i>	
ADD-Net-MRI: An Explainable Deep Learning Approach for Early Alzheimer’s Detection	945
<i>Mahesh Kumar M, Tippannagari Harshitha, Dhulla Bharath Kumar, Avula Praveen, Gopalolla Poojitha</i>	
<i>Katari Jaswanth</i>	
Impact of Preprocessing on CNN Performance for Lung Nodule Classification	952
<i>M G Yogaprakash, Mohana Kumar S</i>	
Med Guard: An AI-Assisted Clinical Decision Support System for Drug-to-Drug Interaction Analysis	958
<i>S.Karpakam, N.Senthilkumar, S.Sinduja, Raghul Prasanth M, U.Ramani</i>	
Deep Transfer Learning-Based Classification of Correct and Incorrect Yoga Postures Using	
EfficientNetB3	964
<i>Poonam Gupta, Purab Sahare, Yuvraj Singh, Mohammed Altamash Naeem</i>	
Reinforcement Algorithm Based Accident Detection and Alert System (RABADAS) in Big Data	
Analytics	970
<i>Sundara Kumar M R, S. Karthiprem, Mohan H S, Rishi Sundaram</i>	
Traffic Reduction in Metropolitan Smart Transport Systems Using Yolo-Based Deep Learning- A	
Comprehensive Review from Yolov1 to Yolov12	977
<i>Sundara Kumar M R, S. Karthiprem, Mohan H S, Rishi Sundaram</i>	
KubeOrch: Visual Template-Based Kubernetes Configuration Management	988
<i>Aruna S, Mohit Nagaraj, Kshitij N. Kulkarni, Rishiraj Chirchi, Naman B. Parlecha</i>	
IoT enabled Smart Classroom Management System using Raspberry Pi	994
<i>Sneha Murudi, Soujanya U, Manoj Kumar M, Sushma M, Shraddha C</i>	
A High-Accuracy Multi-Violation Traffic Detection and E-Challan System Using YOLOv8n,	
StrongSORT and PaddleOCR	1000
<i>P. Meenakshi Devi, P. Kalyanasundaram, P.S. Prakash Kumar, Ashlyn Abraham, S. Nithish, G. Sowthanya</i>	
Enhanced Accuracy in Residential Security Using AI-Driven Multi-Model Face Recognition	1007
<i>P.Kalyanasundaram, P. Meenakshi Devi, N Saravanan, Abishek M, Gokulnath S, Pranesh R</i>	
Quantum Guard: Adaptive Device-Independent QKD and Practical File Encryption Using Real	
Quantum Hardware Key	1014
<i>Bhoomi M N, Kavitha K. Patil</i>	
Degradation-Aware Gearbox Fault Diagnosis Using LOFARgram-Based Band Descriptors and	
Run-Level Fusion	1020
<i>S. S. Ittannavar, Shivashankar R, Jagadish S Jakati, Bhavaling Alias Pratima Khot, Mahadevaswamy S</i>	
<i>B P Pradeep Kumar</i>	
Evaluation of Supervised Machine Learning approaches for Intrusion Detection in Wireless Networks	
Utilizing the CICIDS Dataset	1026
<i>Shilpashree S, Prasanna Lakshmi G S, Vidya V, Mohan D N, Vidhyashree B, Iliyaz Pasha M</i>	

Multi-Band Noise-Adaptive DEMON with SNR-Weighted Fusion for Bearing Fault Diagnosis	1032
<i>Jagadish S Jakati, S. S. Ittannavar, Raju Hebbale, Mahadevaswamy S, B P Pradeep Kumar</i>	
<i>Bhavalina Alias Pratima Khot</i>	
Cross-Lingual and Speech-Enabled Visual Question Answering for Yes/No Tasks Using BLIP	1038
<i>Lavana V, S. Shanthi, R. Kuppuchamy, Kaviya Varma R, Mitharshana T V</i>	
Torch Vision-Enhanced Mask R-CNN for Real-Time Road Pothole Detection Using Crowdsourced Images	1044
<i>Kasturi Aarati, Kammela Akshaya, Jatravath Sailaja, K Vasantha Laxmi, Syed Irfana, Kampa varshini</i>	
Cervical Cancer Screening Using SE-ResNeXt-50 and Golden Lichtenberg Algorithm for Feature Optimization	1051
<i>Anusha M, Arpitha T, Koushik M S, Dharamendra Chouhan, Santhosh Kumar R</i>	
DoH-BerTractor- A Contrastively pretrained Transformer model for Detection of DNS Tunneling Attacks	1058
<i>Manoj S, Lakshmi pathi R, Bhavith S D, Kalpana Killi, Poornima A S, Ravi V</i>	
Intelligent Appointment Scheduling and Resource Optimization in Smart Healthcare	1065
<i>Shivakumar. E, Lingapuram Sreenivasulu, A. Poojitha, Anchi Charan, Nanamagari Madhan Kumar</i>	
SleepSense AI: A Hybrid Machine Learning Framework for Stress Level Prediction Using Physiological Sleep Parameters	1071
<i>Varuni C V, Praveena Kumari M K</i>	
Atrial Fibrillation Risk Prediction from Long-Term ECG Using a CNN-LSTM Hybrid Deep Learning Model	1077
<i>R. Srinivasan, Siva Mohith Veeranala, Tejesh Reddy Muthireddy</i>	
Causal AI for Next-Generation Computing: From Statistical Correlations to True Reasoning	1083
<i>Siddharth Arora, Anupriya, Vijayalaxmi C Handaragall, Tejbir Singh, Priya Dahiya, Mohammed Faisal</i>	
Hybrid Transformer Models for Multimodal Brain Tumor Detection and Grading	1089
<i>Prathiba R, Sunitha B S</i>	
An Intelligent System for Automated Document Generation	1095
<i>N. Gowtham, B. Mohammed Aashik, A. Boopathi, R. N. Muthazagar, E. Naveenkumar, M. Sakthivel</i>	
AI-Based Legal Evidence Authenticity Scoring and Forgery Detection	1101
<i>Vijesh P, Prakash N, Latchiya I, Praveen S, Sakthivel M, Asha Rajamanickam</i>	
Emotion Detection from Text Using TF-IDF and Logistic Regression: A Hybrid NLP Framework with Real-Time Deployment	1108
<i>Raghavendra Patil G E, Baba Fakruddin Ali B H, Mehar Afroz, Jeevitha S R, Swathi N, Vijaykumar G R</i>	
Advancements in Brain Tumor Analysis and Early Detection through MRI Imaging and Explainable AI Techniques	1115
<i>Raghavendra Patil G E, Baba Fakruddin Ali B H, Swathi N, Jeevitha S R, Mehar Afroz, Umamaheswaran A</i>	
A Geo-enabled Employment Platform for Connecting Rural Workforce to Rural Employers	1121
<i>B Janardhana Rao, K Revathi, Koppu Rajeshwari, Tadoor Shradda, B Rakesh, Sreeja Reddy Nandhikonda</i>	
A Hybrid QGWO-PSO Based LET-Bounded RSU-Assisted QoS Routing Scheme for VANETs	1127
<i>Sowdagar Fowzia Sultana, Karamtot Krishna Naik</i>	

Neuro-Symbolic AI for Legal Knowledge Analysis	1134
<i>P. Kanishka, S. Karthika Sri, R. Poonkuzhali Ramadoss</i>	
Liv-AR: A Web-Based Augmented Reality Platform for Immersive NCERT History Education	1138
<i>Vani E S., Atharva S. A.</i>	
Secure and Resource Utilization-Aware Workflow Scheduler for Heterogenous Cloud Computing Platform	1145
<i>Rashmi K A, Vikas Reddy</i>	
A Modern Data Warehouse—Driven Decision Support and Analytics Framework with Power BI	1151
<i>Prasanth Sathyapalan</i>	
DepHNN: A Hybrid CNN-LSTM Approach for EEG-Based Depression Detection	1159
<i>Mareddy Charan, Balappagari Latha Sree, Sandhya R, Badrinath K Chagaleru Sathyanarayanagari Mounika</i>	
Real Time Sign Language Recognition with Text to Speech Integration	1166
<i>Shalini Joseph, Hansika Yeddula, L Gyan Rao Nazre, Madhumitha R Aithal</i>	
Analysis of Data Communication and Soil Moisture and pH Sensors in Soil Monitoring System using LoRa Technology	1172
<i>Byreddy S, Ravikiran R, Ravi M V, Tejas Kumar B S, Sudeep N, Tilak B S</i>	
Seed Classification Using Deep Learning and Image Processing	1178
<i>K Kavyashree Karanth, Anantha Murthy, Harshitha G M</i>	
Forensic Face Sketch Construction and Recognition Using Artificial Intelligence	1184
<i>Bhanumathi S, Monica B L, Nagashree M, Vandana J R, Yashaswini N</i>	
A Lightweight Multimodal Fusion Framework for Low-Data and Low-Computer environment	1190
<i>Seshaiah M, Suneetha K R, Gayathri V, Swetha T, Sparshakala V S, Deepthi N</i>	
Multimodal Deep Learning Framework for Multi-Class Heart Disease Type Classification Using ECG, CT, and MRI Data	1195
<i>Archana P, Shashikala S V</i>	
Quantum Assisted Drug Discovery in Human Beings	1201
<i>Anupama B S, Amrit S R, A Chetan Kumar</i>	
Smartphone Screen-time Health Impact Prediction Using Machine Learning and Recommendation using Generative AI	1208
<i>K S Srikanth, Likith M Gowda, Mahaksha Bharadwaj S, Narahari Tarun, Sandhya B R</i>	
Digital Imaging System for High Throughput Plant Phenotyping Using Raspberry	1214
<i>Manjunatha Siddappa, Sindhu R, Teja, Zaiba Khanum</i>	
A Controlled Benchmark of Multimodal Fusion for Breast Cancer Molecular Subtype Classification	1218
<i>J. Rajalekshmi, Sivakumar D</i>	
Solar-Powered Blackspot Alert System	1224
<i>G.N. Keshava Murthy, Dhruthi P, Meghana D V, Saba, Shifa Iman</i>	

An Artificial Neural Network Driven Framework for Robust Brain Tumor Segmentation and Classification for MRI	1230
<i>Krishna Mehar P Tirumala, M Chandra Sekhar</i>	
Integrating AI-Driven Marketing and Cashless Payment Systems: An Empirical Study of Consumer Decision-Making in Household Durable Purchases	1237
<i>Avinash C, J Jayavel J</i>	
AI - Based Resume Analysis and Career Recommendation System for Empowering Students	1244
<i>Rakesh Podaralla, Muthireddy P, B. Bhasker, V.Vishnuvardhan, N Ramesh Babu</i>	
Multimodal Sensor-Based Detection of Body-Focused Repetitive Behaviors Using CNN–LSTM Framework	1250
<i>Pavithra J, Dayananda R. B</i>	
Design and simulation of XOR, TSPC, and MUX based Hybrid phase detectors in 45nm CMOS	1259
<i>Smitha Gayathri D, Kumar P, Chethana J, Ms. Pavana P, Ms. Divya P, Ms. Poorvika M R</i>	
FPGA Realization of an Operand-Aware Dual-Mode Hybrid Arithmetic Unit for 64-Bit Embedded Systems	1264
<i>K Uma Maheswari, Kamatham Susmitha, Chinthakayala Manjeera, B Eramma, Peddinti Deven Kumar Palla Chandana</i>	
Bone Fracture Binary Classification Using EfficientNetB3 Transfer Learning	1270
<i>K Uma Maheswari, Ala Charan, Bestha Gowtham Sai, B Eramma, Ala Mahidhar, C Ahalya</i>	
Modeling the Influence of Social Media Analytics on Consumer Purchase Decisions Using SEM	1276
<i>Srinivas S, Lakshminarayana K</i>	
Spatiotemporal Drought Analysis Using Hybrid Evolutionary Algorithm-Optimized Deep Learning Architecture	1282
<i>Vandana Sardar, Surabhi B P, Varshitha D, Harshitha B M, Likitha J</i>	
A Bibliometric Analysis of Privacy-Preserving Deep Reinforcement Learning in Social Media Marketing (1966–2025)	1288
<i>Ashwini N, Malini T N</i>	
AI -Driven Cloud Storage Latency Reduction	1295
<i>Kshama L, Rida Fathima, Varsha S, Dhanyashree, Manjula L, Pratyaksha S</i>	
FindTogether: AI-Powered Missing Person Detection and Collaboration System with Social Dashboard	1300
<i>Anupama B. S, Aaryan Dewangan, Pratik Gautam, Impana K S, Sidhant Munjral</i>	
A Decentralized Proof Framework for Digital Authorship and Ownership	1306
<i>Rohith John Jacob, Shane Jacob Sebastian, Varsha S Panicker, Vishnu Satish, Jerrin Sebastian</i>	
Parkinson’s Disease Detection Using Voice Recognition	1312
<i>Logambigai.R, Bhuvan Vishal Varasala, Tanvith Reddy Guntaka</i>	
Viot: A Smart Student Assistant System Using RAG and LLM-Based Query Processing	1318
<i>Dhanush Gowda K R, Dhanush Kumar V, Lakshmi B S, Dhanush R, Mahadevaprasad K, Akshatha M</i>	
Knowledge-Driven Consumer Decisions in AI-AR Shopping	1323
<i>Charan N S, Lakshminarayana K</i>	

AutoMeet : AI Powered Online Meet Summarizer	1329
<i>Chandana N C, Josy Elsa Varghese, Drupitha Chandrashekar, Keerthana S</i>	
CLA-Net Based Analysis and Classification of Anxiety and Depression using Real-Time Survey Data	1335
<i>Raksha R, M P Pushpalatha, Impana K P</i>	
Multi-Agent KPI Generator and Recommendation System	1344
<i>D H Tharun Reddy, Josy Elsa Varghese, Prateek P</i>	
Agentic AI-Driven Grievance Redressal Triage System for Multilingual Public Complaints	1348
<i>Sanjay S P, Sheba Selvam, Rakesh Bhatt, Viraj S Achari</i>	
Breast Cancer Classification from Medical Images Using AI Models: A Comprehensive Review	1353
<i>Swathi K S, Hareesh K N</i>	
A Multi-Level Debiasing Framework for Mitigating Cultural Bias in Reviews Sentiment Analysis	1359
<i>Bhavya Sree S, Lena Merin Viju, Hemanth K S</i>	
A Knowledge-Driven Framework for Context- Aware Decision Support Using Lightweight AI Reasoning Models	1365
<i>Siddharth Arora, Anupriya, Fahim Khan, Kruthika C G, Priya Dahiya, Neelam Goswami</i>	
An Intelligent Decision Support System for Dynamic Resource Allocation Using Hybrid Rule-Based and Learning Models	1371
<i>Anupriya, Siddharth Arora, Kamna Sharma, Fahim Khan, Hemlata, Neelam Goswami</i>	
RedOps AI: Multi-Agent Orchestration for Autonomous Penetration Testing	1377
<i>Samarth C Dinesh, Sheba Selvam, Vivan Shreyas Yallal, Sadhu Venkata Sai Suvedya</i>	
Wind Energy Prediction Using Machine Learning Techniques	1383
<i>B. Arundhati, Yasaswini Agrapu, Likitha Gandipadala, Bhanupriya Gundu, Meenakshi Chokkakula Hema Harika Karrimajji</i>	
VLSI-Based Simulation of a Micro Blaze-Controlled with an Asymmetry Encryption for ECG Signal Processing in Wireless Body Sensor Networks	1388
<i>Boda Eramma, A Ramcharan, G Sanjay Bhargav Reddy, K Jai Kishan Prasad, K Uma Maheswari Patan Imran Khan</i>	
AI-Enabled E-Learning Framework for Rural Women Entrepreneurs' Digital Capabilities and E-Business Growth	1396
<i>Meghana G A, Roopadarshini S</i>	
Digital Krishi Assistant for Grape Leaves: Multilingual Disease Detection, Fertilizer Recommendation and Weather Forecasting	1402
<i>Shwetha B V, Hemalatha K L, Rakshitha C Chiniwal, Mounika R V, Saniya Taj, Raksha S</i>	
Hand Gesture Recognition based Drawing Applications using Open(CV) and MediaPipe	1410
<i>Shwetha B V, Akshaya M, Bhavana N, C M Thanushree, Likitha R</i>	
Underwater Object Detection in Turbid Environments Using Chemistry-Guided Domain-Adaptive Deep Learning	1415
<i>Nagamani Sikhinam, Gunti Muthaiah, Surendra Nallagorla, Yashasvi Nallagorla</i>	
CyberChain: Enhancing Document Security with Blockchain and AI	1421
<i>Darshana A, Shaik Faiz, Tazian Anjum A, Sirisha D M, Manthana A</i>	

Quantifying the Environmental Impact of Model Quantization: A Cross-Crop Carbon Footprint Analysis for Sustainable Agriculture	1424
<i>Swapnil Rao, Bhavya Jyothi. A</i>	
A Full Survey of Blockchain-Based Land Registry Systems, Including Frameworks, Applications, and Policy Implications	1429
<i>Konam Ramesh, Anjaiah Adepu</i>	
Secured Cloud Data Storage using Blockchain	1435
<i>A Bhuvanesh, Arpita Belure, Cheemala Lavanya Reddy, Yellati Jyothi, Bharathi M, Ambika S R</i>	
CopGPT: A Digital Policing Framework for Crime Monitoring and Citizen Service Management	1441
<i>Pranjala Tiwari, Ayush M, Bharath H S, Hemanth Kumar M P</i>	
Smart Signal Booster for Cellular and Wi-Fi Communication	1447
<i>S Bhargavi, Abhijith J V, Abhishek H K, Govardhan V K</i>	
A Development of an AI Enabled DevSecOps Framework for Continuous Monitoring and Vulnerability Detection in Healthcare Cloud Systems	1453
<i>Nagababu Kandula, B. Balakrishna</i>	
A Design of Graph-Based Artificial Intelligence Framework for Homoeopathic Treatment on Abdominal Obesity Using CORE-Hom Data	1459
<i>Uppalapati Trisha Chowdary, Uppalapati Srilakshmi</i>	
2DRL: Dynamic Deep Reinforcement Learning for Imperfect CSI in D2D Networks	1465
<i>Susmitha Edla, Dharani M</i>	
Multilevel Thresholdingimage Segmentation Using Mixed Strategy Improved Convergence Based Whaleoptimization Algorithm	1470
<i>J. Brahmaiah Naik, Boddupalli Rajasree, Parella Durga Panchakshari, Vadlamani Sai Yerraganti Krishna Bhargavi, J Renuka Devi Sinduvala Mallesh</i>	
Chest X-ray Analysis for Pneumonia Detection Using Deep Learning	1480
<i>J. Brahmaiah Naik, Kotaru Sai Tanuja, Nadipudi Bhumikasai, Kunku Anusha, Yedida Prasanna Ambidi Naveena</i>	
An Intelligent System for Remote Care of Parkinson Disease	1486
<i>Chinchana, Mangala P Shetty, Elrusha Milina D'sa, Spoorthi Shetty</i>	
Deep Learning for Soil Type Detection: A CNN Approach to Agricultural Insights	1492
<i>J. Brahmaiahnaik, KastalaKarthik, ThummalaPavankumar Reddy, VallemAnkammarao Karibandi Venkata Sai Lakshmi Harika, Maddala Vijayalakshmi</i>	
Design of Radix-4 Booth (Radix 256 booth encoding) Multiplication Algorithm	1498
<i>Patnala Uma Mehar Sai Nagesh, Vella Satyanarayana</i>	
A Secure and Interoperable IoT-Machine Learning Framework for Predictive Healthcare	1504
<i>Meghana V R, Monika K M, N Tejaswini, Ajithtesh Venkatesh, Bindu S, Rekha P</i>	
Design and Optimization of Low-Power AI Accelerators for Edge Devices	1509
<i>Harshitha L, Lavanya Rao U B, Vaishnavi Y, Jyotirmay H. R, Bindu S, Rekha P</i>	
Progressive U-NET with Soft-Gated Piecewise Polynomial Activation for Retinal Vessel Segmentation	1515
<i>Dhanush C, Monica R Mundada, Sowmya B J</i>	

Automated Framework for Intelligent Interview Preparation and Evaluation	1520
<i>Niveditha M, Swetha M D, M Siva Rama Krishna, Harsha Bharadwaj, Sarthak Sengupta, Vinay R Srihari</i>	
Secure Over-The-Air (OTA) Firmware updates for IoT Devices	1526
<i>Vijaykumar S, Janardhan, Keerthan Shankar B K, Justin Kiran Noel, Manoj Kumar Reddy G</i>	
Smart-Vision: Advanced Driver Assistance System (ADAS) for Safer Roads	1532
<i>Vijaykumar S, Arun Rajaram Hegde, H. V. Suraja, Kartik Agnihotri, Nitin Vinay Koorse</i>	
Design of STM32-Based Flight Controller and Lightweight Swarm Simulation for Anomaly Detection	1538
<i>Sunny Joel Vemu, Smitha Sharath Shankar, Rithesh Reddy M, Sidhant Kashyap</i>	
Automated Monitoring of OEM Disclosures for Critical Vulnerabilities Using Web Scraping and Alert Systems	1545
<i>Bhaves Shrigiri, A M Santhosh, Abhishek Hiremath, Adarsh B M, Nikhil S Tengli</i>	
Project Samvidhaan	1551
<i>Achyutha Kumar N A, Akhil A, Ananya R, Chiranth K K, G.C.Sathish</i>	
Smart Crop Advisory System for Small and Marginal Farmers	1556
<i>Shahrukh Saifi, Sneha S, Adeeb Pasha, Shobha J, Keerthana P</i>	
Down sampling High-Resolution Air Quality Maps Using AI/ML Approach	1562
<i>Tabassum Ayesha HR, Swati CK, Sushma Patil, Varsha GA, Supreeth S</i>	
IoT for Social Safety: A Cloud-Based Fire Detection and Alert Solution	1568
<i>Lohith C, Channaveerayya B H, G V Pradeep, Deepak T, Aditya Mahajan</i>	
Voice Based Ticket Booking System	1574
<i>Vinay R, Hamsalekha R, Darshan Gowda P S, Abhishek L G, Althaf H, Girish Biradar</i>	
Remaining Useful Life Assessment For Lithium-Ion Batteries Using CNN Method	1580
<i>Madhu B G, Chirag Gowda S M, Harsha D, Niranjana J U, Prajwal B S, Raghuramegowda S M</i>	
Proteomorphic: An AI-Driven System for Protein Misfolding Detection and CRISPR-Guided Correction check	1586
<i>Lohith C, Pavithra D, U Sanjana, Sahana B M, Agili Sampitha</i>	
Artificial Intelligence for Underwater Vision: A Review of Enhancement Models and Benchmark Progress	1593
<i>Poornamathi S, Swathi Y</i>	
Design and Optimization of Energy Efficient FPGA Based Architecture for Wearable Medical Devices	1600
<i>Lakshmikanth S, Chethan C, Likhith M, Manya R, Chethan Kumar R, Jeevith S H</i>	
Enhancing Agricultural Forecasting with GLCM Based Image Features and Ensemble Learning	1607
<i>Sagana C, Harini S, Kokila Devi P, Lathika K</i>	
MediTag: A Colour-Coded Micro QR System for Batch-Level Medicine Tracking and Verification	1614
<i>Ankita V Joshi, Esha Balaji, Akshaya R, V Rose Priyanka</i>	
Noise Robust Speech Emotion Recognition Using MFCC Features and Random Forest Classifier	1619
<i>C.A.Daphine Desona Clemency, Beeram Lakshmi Samatha Reddy, Bandla Anantha Chakri</i>	
AI Based Health Monitoring System using IoT and Wearable Device	1624
<i>Bhavya R A, Rakshitha S M, S Tejashwini, Shreya B R, Sreeraksha H S</i>	

Fall detection device for elderly care using IoT, Cloud and Machine Learning	1630
<i>Harigovind Krishnan, Karishini S, Vimal P Menon, Gowri J S, Akhil V M</i>	
Uncertainty Estimation and Risk Analysis in Hybrid Self-Attention LSTM Models for Insider Threat Detection towards Cyber Risk Management	1636
<i>Akampurira Paul, Maninti Venkateswarlu, Bashir Olaniyi Sadiq, Buhari Muhammed Dahiru Bala Gangadhara Gutam, Katuri Keerthi Naidu</i>	
An Integrated Multi-Vector Phishing Detection Framework using XGBoost for URLs, Emails, and File Attachments	1642
<i>Archana C, A Pooja, Rashmi C</i>	
An Energy Balancing Fuzzy based Routing Algorithm for Energy-Efficient IoT Networks	1651
<i>Shilpa A N, Jayant Nandwalkar, P. Susheelkumar Sreedharan, Viji K, Rajeswari P, Sridhar N</i>	
RHYTHM: Intelligent Music Recommendation Framework Based on Facial Affect Analysis	1657
<i>Sahana M S, Jeevan Kumar H S, Gnyan Prakash M N, Mahanthesh C M, Almas F</i>	
A Comprehensive Review on Applications for Emotion AI and Affective Computing Across Various Fields	1661
<i>Nidhishree M S, Amutha S, Rameshbabu D R, Swathi V, Archana S Patil</i>	
Web AR 3D Product: Viewing and Experience for Shopping	1667
<i>Rashmi M, Sakshi T N, Tanushree P H, Manasa M, Manjunath K N</i>	
Immersive Education: A VR Based Classroom Model	1671
<i>Pujari Sailaja, Nithyashree M V, Kuruba Keerthana, Harshitha M C, Manjunath K N</i>	
SAATH: Smart Alert and Tracking Hardware	1677
<i>Savitha MM, Supriya G, Varun Kumar G, Varun Kumar K A</i>	
An Intelligent Home Interior Design Suggestion System Using Deep Learning	1683
<i>Sunitha M R, Shreeya D, Druthi Jain S C, Shimsha K P</i>	
An Efficient ConvNeXt-Based Transfer Learning Approach for Agricultural Pest Classification	1689
<i>Arvind Singh Negi, Anchal Rawat, Balwant Rawat, Rajneesh Bhardwaj, Rowndel Khwairakpam Vartika Agarwal</i>	
A Cutting-Edge Approach to Combat Digital Deception using Machine Learning	1695
<i>S Ambareesh, Roopashree.R, Shilpa Kumari, Rachel Elizabeth Joy, Dhathri K S, Ashwini M Gorte</i>	
Toxibot - Rover with Camera and Sensor For Identifying Toxic Gases and Hydrocarbons in Enclosed Spaces	1701
<i>Dhananjay Kumar, S Ambareesh, Dhatri P Verma, Anshul Agarwal, Soumya Patil</i>	
AI-Powered Cloud Monitoring and Analytics System	1706
<i>Mayank Kumar, Neha TP, Keshav Gupta, Veeranna Kotagi</i>	
MalwareNet: A Web-Based Voting Ensemble Multi-Classifer for Enhanced Android Malware Detection	1712
<i>Gagana B R, Sangeeta Uranakar, Sai Anagha J, Vinanth H, Supriya M, Vidya H V</i>	

Enhancing Predictive Cybersecurity Analytics Through the Convergence of Machine Learning and Generative AI	1718
<i>Subhash Chandra Mouli D, Mohammad Sohail Mulla, Kunnanan Reddy Chittepu</i>	
<i>Mohammad Thoufik Shaik, Jagan Mohan Byneni, Bala Gangadhara Gutam</i>	
Reality Check: Multi-Modal Phishing Detection Using Deep Learning	1725
<i>Swetha T, Ambika L G, Archana E, Supritha P, Saba Anjum, Priyanka B N</i>	
Evaluating Transfer-Learned CNNs for Adaptive Image Steganalysis and Active Defense	1731
<i>Prashant Patil, Harshith M Bulla, Pranathi G Reddy, Basavaprabhu, Navyashree K S</i>	
Dynamic Load Balancing in Cloud Environments: A Machine Learning Approach for Energy Optimization	1737
<i>Kajal Choudhary, Naveen Chandra</i>	
RakshakX: Smart Headgear Monitoring and Risk Mitigation	1743
<i>Neha P, Prarthana R Karanth, Pramod C, Kavitha Jayaram</i>	
Robustness-Oriented Explainability Analysis of the PHQ-9 Depression Scale Using Ensemble Learning Under Response Perturbations	1749
<i>Indira S, S. S. Ittannavar, Jagadish S Jakati, Bhavaling Alias Pratima Khot, Mahadevaswamy S</i>	
<i>B P Pradeep Kumar</i>	
A Hybrid Classical–Quantum Variational Learning Framework for Breast Mass Classification	1755
<i>Bhavaling Alias Pratima Khot, Mahadevaswamy S, Raviraj H. Havaladar, S. S. Ittannavar, Vijayalaxmi R. S</i>	
<i>B P Pradeep Kumar</i>	
A Weight-Reconciliation Algorithm for Fraud Detection in Smart Shopping Carts	1761
<i>Mahendra Desai, Bharath N. K., Manoj Shirol, K. A. Varun, Chethana J.</i>	
Multi-Modal Stacked Deep Learning Ensemble with Explainability for Multi-Class Retinal Disease Screening	1765
<i>Presilla R, Poorvi K S, Muktha S S, Monika K</i>	
SlideX: LLMs & Web Scraper in Slide Creation	1771
<i>Andhe Pallavi, Anantesh G, Ananya Shree K R, Gokul A G, Shree Vidya R Bhat</i>	
Review Shield AI: Fake Review Detection and Deletion in E-Commerce Platforms	1777
<i>Sandhya N, Vaishnavi, U Shashank Shenoy, Tharun Kumar G M, Vikram</i>	
ChaosRetina: Chaos-theory Based Feature Extraction for Multi-Label Retinal Disease Classification	1783
<i>Sindhu P Menon, Subash S, S A Shanjith, Harshith K N, Yashas P</i>	
Interpretable Hybrid Machine Learning for Student Mental Health Screening	1789
<i>Subhash Chandra Mouli D, Durgaprasad Reddy Kovuru, Pottypati Ganesh, Shaik Asifa, Koppala Dharani</i>	
<i>Pandurangaraju B.</i>	
An XAI-Enabled Lightweight MobileNetV2 Framework for Conjunctiva Anemia Detection	1796
<i>A N Ramya Shree, Chethan Sharma, Rakshita V, Sharanya Raj Verma, Nithin N, Prabhav Bhandari</i>	
Aspect Oriented Sentiment Analysis of Restaurant Reviews Using Latent Dirichlet Allocation and Hybrid Ensembles	1802
<i>Lohith C, Chandramouli H</i>	

An AI- And IoT-Based Framework For Assessing Climate Variability Impacts On Maize And Wheat Productivity In India	1808
<i>Mr. Abdulnabi, Rajashekhar C Biradar</i>	
A Survey on Robust Emotion Recognition in Constrained Facial Scenarios Using Multimodal Deep Learning and Ethical AI on the AffectNet Benchmark	1816
<i>R.Velvizhi Ramya, A Ajina</i>	
Real-Time Drowsiness Detection System For Driver Safety	1824
<i>P Soubhagyalakshmi, Chhaya Suryabhan Dule, Nidhi Singh M, Anupriya A G, Mamatha CM</i>	
Symptom-Based Disease Prediction Using Machine Learning and Chatbot Interface	1831
<i>B.Vijaya Mounika, Bhusha Devi, Jagarapu Greeshma, Chekka Dhilleswara Rao Patchipulusu Mohan Sai Durga Rajeev, Polamarasetty Gnaneswar Tirumal</i>	
Semantic Analysis and Knowledge-based Approach for Identifying right sense on Kannada text	1838
<i>Rajanishree M, Rajeshwari K, Swetha M D, Vinay R Srihari, Madhumala RB, Jayanth C</i>	
NeuroCipher: Hybrid AI Systems for Predictive Ransomware Detection and Comprehensive Code Security	1844
<i>Raksha Ramachandra Udupa, Raksha Dattatreya Hegde, Nagashree A H, Jagadisha N</i>	
Smart Energy Management in Industry 4.0 Using IoT-Enabled Sensing and LSTM Prediction Models	1852
<i>K. Arunasakthi, V. Akilandeswari, C. Maharajothi, G. Danya, D. Renuga</i>	
Waveformer: Enhanced Android Malware Detection with WaveletTransform andTransformer Fusion	1858
<i>Shaik Tahseen Banu, Pogula Sreedevi, B.Charitha, K.Manjunath, V.Chaitanya Kumar Reddy</i>	
AI-Driven Risk Stratification Model for Progression of Chronic Kidney Disease in E-Healthcare Systems	1864
<i>Shanthi Bimmarolu, G. Soundradevi, Raviteja Guntupalli, R. Karthick, Tulasi Naga Subhash Polineni Arjun Raj. N</i>	
Smart Health AI Assistant with Blood Network	1871
<i>M. Ravichandran, Kasani Vamshi Krishna, Ediga Sai Manisha</i>	
Echo Tale: An Immersive Podcast Experience	1881
<i>Purabh Singh, Palak Dattatraya Kota, Prathyusha N. B.</i>	
An Experimental Analysis of Data Augmentation and Pretraining for Mammogram Image Classification	1887
<i>Sharmila C, Chidananda Murthy M V, Sunil S. Harakannanavar, Keshava Murthy T G</i>	
A QR Code Enabled Intelligent Navigation Assistance System fo Public and Indoor Spaces	1893
<i>Ambika L G, Swetha T, Harshitha D A, Hithaishi R, Manasvi R, Krupa D R</i>	
GenAI-Powered Unified Framework for Deepfake and Malware Detection with Secure Digital Content Analysis	1899
<i>Pilli Naveen, Srinivasulu Tharakesh, Satheesh Kumar M</i>	
Smart Traffic Management Using V2X Communication: Technologies, AI Applications, Security, and Future Directions	1909
<i>Md. Tauseef, Darshan T K, Joel Jo, Imdad Aqueel, Manmohan Kumar</i>	

AI-Vision: Deep Learning Based Facial Recognition System	1917
<i>Ajay N, Monisha M, Shrihari M R, Namratha S M, Navya K, Shwetha B V</i>	
Alzheimer's Disease Detection using 3D Brain Mapping	1922
<i>Vanajaroselin Chirchi, Bharath BC, Emmanvelraj Chirchi, Shalini, M. Thanmay, P. Renuka</i>	
Secure Deep Learning Pipeline for Automated Image Forgery Detection in Digital Forensics	1928
<i>D.Chandana, K.Kavya Sri, S Athinarayanan</i>	
AgriVenture: Comparative Evaluation of Allocation Algorithms for Fair and Efficient Agricultural Distribution	1934
<i>Arshad Alam, Tresa Maria Josylin, Aruna N, Kritayush Singh Basnyat, Harsh Kumar Kurmi, Divya Arnav Dev</i>	
Human centric conversational system in Tamil using Retrieval Augmented Generation	1940
<i>Yogita Bhavanishankar, Vishnu Siva B, J Cruz Antony</i>	
Design and Development of Hydro-Actuated Floating Solar Panel	1946
<i>Sandeep K, Manjunatha KN, Eben Gejo Mathew, Muhamed Shabil N, Abhijith M A</i>	
OpenVerse: An Intelligent Recommendation Platform for Google Summer of Code Preparation	1952
<i>Sharvani G S, Prajwal Mundargi, Ramya G, Sahana Adiga V, Samarth G, Prarthana V Gunakimath</i>	
AI Guard: Kidnapping Prevention and Early Detection System Using Multimodal Public Surveillance	1959
<i>Harisha. C, Deshnni. A. S, V. Subapriya</i>	
Design and Development of a Security Information and Event Management (SIEM) Tool	1965
<i>T.Sasikala, P.Vishnu Raja, S.D.Prabu Ragavendiran, Pallavi Nayak, K Lavanya, Bhuvaneshwari N</i>	
AgriConnect: A Digital Platform for Real-Time Agricultural News and Scheme Dissemination	1971
<i>T.Sasikala, S.D.Vijayakumar, P. Vijayakumar, P.Vishnu Raja, K Lavanya, Bhuvaneshwari N</i>	
Heart Disease Prediction Using Hybrid Quantum-Classical Machine Learning Models	1977
<i>Pavan Reddy T, Vishwachetan D, Rajarajeswari S</i>	
DyslexiAid: An AI-Powered Multimodal Learning Platform for Real-Time Reading Assistance in Dyslexic Students	1983
<i>Skandana KV, Supreetha R, Shreya U, K S Ananda Kumar</i>	
Crop Recommendation System using Machine Learning	1989
<i>Nanda H Hanchinal, Geeta R. Bharamagoudar, Shobha R. Bharamagoudar</i>	
Smart Medicine Alert Kit	1993
<i>Sushma Shekhar Kumbar, Geeta R Bharamagoudar, Shahikumar G Totad</i>	
Deep Learning-Based Sign Language Classification with IoT-Enabled Emergency Alert Support	1998
<i>Sunad Kumar A N, Likhith Gowda S, Poorvika M S, Jeevan H M, Uma H R</i>	
SecureNet Lite: An AI-Powered Cybersecurity Platform for Smart Web Threat Detection	2004
<i>Nishanth R, Tadikonda Gaurav Bharadwaj, Suraj Prakash, Surya Rangan H P</i>	
Adult Census Income Prediction Using Machine Learning	2010
<i>Lavanya M, Sessaiah Merikapudi, Riya Cherian, Keerthi G, Mohan P M, Nethravathi G S</i>	
An Optimised Deep CNN-BILSTEM Architecture for Advanced Network Intrusion Detection	2016
<i>Lavanya M, Sessaiah Merikapudi, Venkatesh K</i>	

KD-EWS: An Explainable AI Framework for Early Warning and Decision Support in Academic Environments	2022
<i>Vinit Kumar Shukla, Sessaiah Merikapudi, Gopinath A R, Aravinda Thejas Chandra, Swetha T, Bhargava R</i>	
TruthLens: A ResNet CNN Approach for Detecting Manipulated Media	2029
<i>Kavyashree G M, Smitha Rai, Madhura J, Santhosh M, Prathima Mabel J, Bharath B C</i>	
AgroFlow- Smart Agriculture System for Crop Recommendation, Disease Prediction, Market Analysis and Farmer Supports	2035
<i>Rajesh L, Sandesh Kumar T S, Vijayalaxmi V Huded, Vishwaprasad M Ganagi, Yathish H Gowda</i>	
Smart Travel Itinerary Generator	2041
<i>D Manasa Spandhana, Kamsani Sneha, K Shreya Reddy, K. Vennela, Kadari Sai Sindhu, Jetty Sri Vaishnavi</i>	
Dynamic Pricing and Predictive Analytics in E-Commerce using Machine Learning: Analyzing Market Fluctuations and Demand Patterns	2047
<i>Ghouse Bhasa Batlapadu</i>	
An IoT-enabled Mushroom Chamber with live Monitoring and Automated Environmental Control	2053
<i>K Ezhilarasan, Kavitha M, Lahari S, Nanditha Y N</i>	
Multi-Disease Chest X-ray Classification and Explainability using Grad-CAM	2060
<i>Bhuvan M, Jagadish, H S Sharath, Nitish Patil, Abhishek Biradar, Ashwini Kodipalli</i>	
Hybrid Quantum-Enhanced Deep Learning Framework for Multi-Stage Diabetic Retinopathy Detection	2066
<i>G. Srikanth, A. Harshini, Ch. Hemasri, D. Vamsi, B. Prem Kumar</i>	
Real-Time Smart Path Recommendation System for People's Safety	2072
<i>Nehaa Sanchithi H, Nidhi Chandru, Meghana A, Manikantha K</i>	
Smart Educational Chatbot Using Natural Language Processing and Artificial Intelligence	2078
<i>Thanushree M, Sangeetha C C, Shalini M, Spurthi H R, B H Manjunatha Kumar</i>	
Automated Screening of Diabetic Retinopathy from Retinal Images	2082
<i>G.Prabhakar, Jukanti Sneha, K.Maneesha, Kadari Rachana, Kandala Harini, Jalli Nikhitha</i>	
Moodify AI: An Intelligent Air-Drumming System Using Computer Vision and Artificial Intelligence for Real-Time Musical Interaction	2088
<i>Subrahmanya H M, Medha M, Nithushree, Vidhya Shree M, Deepika B O</i>	
Reawakening The Past: Ancient Animals Explored By AI	2095
<i>Murthy S V N, Shiva Sumanth Reddy, Lakshmi B, Thribhuvan Nayani, Janhavi R, Nimra Fathima A S</i>	
Intelligent Food Recognition System for Accurate Nutrition and Calorie Estimation	2102
<i>Ramya sri K, Sangam Srilakshmi, Reddyshettywar Khushi, Muppasani Sanjana, Shahistha Shabnam Shivarathri Ashmitha</i>	
Physio Flex: A Context-Aware Rehabilitation Framework Combining Multimodal Sensing and Temporal Coordination Analysis for Enhanced Therapeutic Outcomes	2109
<i>Manjunatha B.N, Nandini K.V, Syed Fouzan, Shaik Mahammad Mubarak, Madhusudhan. R, Boby Mondal</i>	
SpaceGuard: An AIML based Cybersecurity Framework for Solar Wind Classification and Space Weather Prediction System for ISRO's Aditya-L1 dataset	2119
<i>Murthy S V N, Shiva Sumanth Reddy, Vydurya G Anand, Vikas Karthik S, Yeraballi Khyathi, Rakshitha B L</i>	

A Hybrid Stego-Forensic Transformer Technology For End-To-End Image Integrity Protection	2125
<i>Naima George, C. Anitha</i>	
Smart Subsafe Passage Sentinel	2131
<i>Smitha Gayathri D, Divya.d, Suma Santosh, Champaka MD, Thanuja M, Varsha S Belagar</i>	
Campus AI RAG: A Multi-LLM Retrieval-Augmented Generation System for College Information Support	2137
<i>Srinath G M, Kishan N Gowda, Mahesh V, Nishchal S, Prajwal S</i>	
Image and Video Encryption using DNA Quantum Walk Algorithm	2143
<i>Vrinda Shiva Shetty, Prasanna Lakshmi G S, B Shethal, Heera Devi Baral, Nithin Ps, Vidyashree G</i>	
Full-Stack Learning Management System with AI-Driven Course Generation	2149
<i>Prathibha A, Vimala Devi R, Pruthviraj H M, Sandeep B Maradikolli, Srujan C</i>	
Concept-Driven Interpretability for Medical Visual Question Answering	2154
<i>Dhanush S Gowda, Bhuvan Bellad, Adith Kiran Kumar, Jaipreet Singh, Ashwini Kodipalli Ramakrishnan Varadharajan</i>	
End-to-End Warehouse Automation: A System-Level Review of Robotics, Order Fulfillment, and Intelligent Software System	2160
<i>Sai Preetham R V, Vishwanath Koti, Impana R</i>	
A Multimodal Deep Learning Approach for Emotion-Aware Speech Recognition	2173
<i>Deepak. K. S, Elwin Gonsalves, Deepak.R, H.S.Veeresh, Ashwini Kodipalli, K.C.Narendra</i>	
Hybrid Fuzzy Neuro Symbolic Gene Selection for Microarray Based Cancer Diagnosis	2179
<i>Bini P B, Anitha C</i>	
An Intelligent Next-Generation surveillance and Safety System using Deep Learning	2186
<i>Dhanush S, Augustin Anandraj D, Nagendran R</i>	
Retinal Vessel Segmentation Through Green Channel Enhancement and Comparative Deep Learning Architectures	2192
<i>Sandhya B R, Nalini N</i>	
Integrated Architectures for Generative Humanoids: A Review of Mechanical Design, Perception, and LLM-Driven Control	2198
<i>Toushif Ahammad, Mohandas K N</i>	
Breaking the Millisecond Barrier: Microsecond-Scale Real-Time System Call Anomaly Detection via In-Kernel Neural Inference with eBPF	2205
<i>Naveenraj K, Kishore M, K.Ashok Kumar</i>	
An Intelligent Career Guidance Framework Integrating Multiple Intelligences Theory and Ensemble Learning	2215
<i>N V Muralikrishna Raja, Vijayagiri Leela Prasad, Kolagotla Venkateswara Reddy, Senthil Kumar A Vinod Babu Polinati, C P Pavan Kumar Hota</i>	
k-mer–Driven Genome-Informed Machine Intelligence for Detecting Bioengineered Pathogens	2221
<i>Mukkara Rithvik Reddy, Vasudha Barshilia, Debanjali Bhattacharya</i>	
Predicting Mental Health Treatment-Seeking Behavior with Explainable Feature Selection	2227
<i>Challagundla Manasa Gayathri, Jaidev Sharma, Debanjali Bhattacharya</i>	

AI-Powered Cyber Defense Desktop Application with Real-Time Behavioral Analysis, Threat Intelligence	2233
<i>Shrihari M R, Ajay N, Chethan M, Charvick D raj, Dhanush p s</i>	
EcoScan - Smart Waste Classification using Computer Vision and Deep Learning	2240
<i>Sheba Jebakani, Angelina Sharon Robert, K Harini, Janhavi M, Akash R</i>	
Efficient Skin Disease Detection Using HGAN Augmentation and CQPSO-SVM Classification	2246
<i>Vidhyashree B, Prasanna Lakshmi G S, Sessaiah Merikapudi</i>	
In Vitro Micro-Propagation of Chrysanthemum (Poornima) Using Apical Meristem	2252
<i>Ashwini D.S, Santosh Kumar Singh</i>	
Heart Disease Prediction with Personalized Diet and Exercise Recommendation using Machine Learning	2259
<i>Gyanendra Mishra, Raghavendra Reddy, Prabhuraj Metipatil, Sunil Manoli</i>	
Forecasting Offer Letter Acceptance in Recruitment Pipelines Using Attrition Prediction Models	2265
<i>Saritha Shetty, Savitha Shetty, K Prathiksha</i>	
Computational Modeling of Tulu Script Recognition with Kannada Language Translation	2271
<i>Gayatri Y S, Hemavathi P</i>	
Hybrid CNN Architectures for Bengali Pitha Recognition: A Deep Learning Approach	2276
<i>Dewan Rita Faria Prachi, Pabon Shaha, Muhammad Minoar Hossain, Yadab Sutradhar Md. Moradul Siddique, Md. Sadiq Iqbal</i>	
Physics-Informed Neural Networks for Urban Heat Island Prediction: A Comparative Study with Data-Driven Neural Networks	2282
<i>Priya Arundhati, Niveditha M</i>	
Static Obstacle Avoidance Of Autonomous Vehicles Using MATLAB Simulation	2288
<i>Aluvala Sai Vinyaa, T. V. Smithab, N. Neelimac</i>	
AI-Powered Digital Twin System for Enhancing Energy Efficiency in Industrial Process Control	2295
<i>Monica K M, Marish Kumar P, Padmavathi M, K Mekala, Rashmi Pattan, Kasi Viswanathan</i>	
Machine Learning-Based Aggressive Driving Risk Detection based on ADHD Traits and Driving Anger in Young male drivers	2301
<i>V. Akila, A.B. Rithanya, S. Kamalraj, S. Tamilselvan, G. Nagarajan, M. Sakthivel</i>	
An Intelligent System for Personalised Compliance Training Recommendation	2308
<i>R. Seeta Rama Swamy, Deepak Sinha</i>	
Explainable AI for Arrhythmia Classification Using ECG Signals	2314
<i>Bhagyashree Hosmani, Kavya Natikar, S V Raja, Shishaanth V S</i>	
LSB and MSB Steganography Detecting Messenger for PNG, WAV and MP4 File Formats	2320
<i>Shreevant Singh, Suyash Sahu, Shashank Singh, Sweta Kumari, Snigdha Kesh</i>	
AeroLogiSim: A Simulation Framework for Autonomous Drone Delivery Using PX4 And AirSim	2326
<i>Raghavendra Patil G E, Niveditha H M, Elluru Sanghavi, Dinesh G, Darshan P, Baba Fakruddin Ali B H</i>	
Experimental Benchmarking: CAN and I2C Protocols for EV BMS Communication	2332
<i>Pavithra G, Anjana Joshi, Monica K M, M C Prabhavathi, Sharavani Math, Bhavyashree S Bhat</i>	