

2025 3rd International Conference on Inventive Computing and Informatics (ICICI 2025)

**Bangalore, India
4-6 June 2025**

Pages 1-569



**IEEE Catalog Number: CFP25L34-POD
ISBN: 979-8-3315-3831-6**

**Copyright © 2025 by the Institute of Electrical and Electronics Engineers, Inc.
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:	CFP25L34-POD
ISBN (Print-On-Demand):	979-8-3315-3831-6
ISBN (Online):	979-8-3315-3830-9

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

CURRAN ASSOCIATES INC.
proceedings
.com

3rd International Conference on Inventive Computing and Informatics

ICICI 2025

4-6, June 2025

Table of Contents

S. No	Paper Title/ Author Name	Page. No
1	A Review on Enhancing Donor Engagement Through Blockchain-based Charity Systems Praveena N, Y. Mohan Kumar, A. Pradeep Kumar Reddy, N. Prasanth Reddy, P. Purushotham	1
2	Machine Learning-Enabled Virtual Hiring Assistant Powered by Unigram Tokenization and Sentiment Analysis R Ankitha, Yashpal Gupta S, Girisha G S, P. Naresh, Rajesh T M, Sivananda Lahari Reddy	8
3	Blockchain in Food Supply Chain: A Review and Analysis of Grain Traceability Systems Preeti, Sawroop Kaur, Rohit Ahuja	16
4	Art Intelligence System (AIS) based on Edge Information Visualization and Image Reconstruction Jun Wu	21
5	Computer-Driven Informatics Optimization of Preventive Medicine Data Analysis Algorithms Sun ShuYan, Yang Meng, Cai Yan	26
6	Multi-Corpus Alignment and Cross-Language Semantic Analysis for Chinese-English Machine Translation Wenhao Wang	31
7	A Novel Approach to Web Article Summarization Suresh Babu P, Vuyyala Kavya, Varshitha G. S, Busireddy Harshitha, Donthramoni Ashritha	37
8	Cyberbullying Detection using Deep Learning Priyanka Patel, Rohini Patil	43
9	Predicting Cardiovascular Risk Through Retinal Imaging ATA Kishore Kumar, Majjari Suguna, Kandula Sravani, Madapuram Vanaja, Maddigiri Nagendra Dhanya Sree Bala Subramani	50
10	Advanced Underwater Image Enhancement and Object Detection using YOLOv2 Venkata Lakshmi Keerthi. K, Susarla Himavarsha, Nalladimmu Lakshmi Deepika, Panditi Kavya, Vanamula Sreedevi, Podala Tharun Yadav	57
11	TSDCG: Tabular Synthetic Data with Code Generation LLMs Arpit Mathur, Kartik Shah	62
12	Novel Feature Engineering Approaches for Predicting Cardiovascular Diseases Amit Kondiba Chaugule, Dhanesvar S R, Gowthamapriya S, Varshana Devi M	67
13	AI-Driven Intelligent Image Processing: A Novel Framework for Real-Time Image Enhancement and Analysis K. Ramesh Chandra, B. Supraja, M. Bhargavi, Shiv Bhagavan Ojha, Nalini Prasad Tirumani, K. Soni Sharmila	75
14	Detection of Foreground Moving Objects Across Consecutive Video Frames and Between Two Distinct Images within a Single Frame Rajesh Kumar K, Deborah Roseline P, Saranya N, Shalini B, Manjula M	81

15	Optimized Semantic Recognition and Pattern Analysis in English Text using Enhanced DeBERTa with Word Embedding Xin Ma	89
16	Detection of Melanoma from Dermoscopic Images using Visual Geometry Group (VGG16) Model based Convolutional Neural Networks (CNN) Prakash P, Rajasekaran Thangaraj, Hasin N, Karthikadevi S, Kannan P, Dinesh Kumar S B	95
17	Advanced Algorithms in HR Analytics: Enhancing Strategic Decision Making for Talent Management Elvir Akhmetshin, Natalya Shcherbakova, Rustem Shichiyakh, Olga Anuchina, Asiyat Tagibova, Serikkhan Zhuzeyev	102
18	An Explainable AI Approach to Sentiment Analysis of Twitter Data using Logistic Regression and Random Forest Sathya J, V. Asha, A. Kalaivani, Sanjitha N S, Shama M U, Sai Srinivasulu Reddy C H	108
19	Improved Low-Light Image Enhancement using DecNet with Attention Mechanisms Srinivasu Polinati, Adari Bineeta, Byreddy Sri Divya, Batti Bhagya Sri, Bandaru Venkata Aruna	114
20	GestureSpeak: A Real-Time Sign to Speech Translation Oum Tipare, Saniya Pathre, Parth Pathak, Deepak Karia	120
21	AI vs Human Text Detector: Identifying AI-Generated Content using NLP Chenna Reddy Gari Ravichandra Reddy, D. Surendiran Muthukumar, Thogai Rani B, Nara Ganesh, Shaik Mahammad Rafi, Purandla Vamsi	126
22	Helicert: Blockchain-Verified Credentials for Helicopter Tourism Munwar Ali Shaik, Ayyanathan N	133
23	Privacy-Preserving K-Means Clustering using Secure MapReduce for Large-Scale Cloud Data Priyadharshan E, M. Priya	138
24	Payment Gateways and E-Wallets: Analyzing Security Issues using a Hybrid BERT-XGBoost Model S. P. Vidyassri, R. G Gopeskumar, K. V Balaji, K. Shayeram, Shreenivas R M, Rokesh S	144
25	Liquid State Machine - based Temporal Prediction Model for Eth Price Dynamics Meet K Patel, Pratishtha Makhijani, Mohini Darji	152
26	Enhancing Brain Tumor Detection using YOLOv12 Hari S Patel, Dhairya K Patel, Dev K Patel, Meet K Patel, Mohini Darji	159
27	Advanced Object Detection using Semantic and Temporal Query-based Frame Retrieval in Surveillance Videos Jeba Sonia J, Priyadarsshini S	166
28	Securing Data Aggregation in Wireless Sensor Networks using Decentralized Blockchain Protocols S. Saraswathi	173
29	A Blockchain based NFT Marketplace for Secure and Scalable Digital Asset Trading Maithili. k, M. Sumanthreddy, Pratham Tiwari, Alex DavidS, Chandralekha, Minu Inba Shanthini Watson Benjamin	182
30	Data Mining for Advanced Anomaly Detection of Speech using One Class SVM (DaMaDS) Meenakshi, Chethan K S, Girisha G S, Basavaraj N Hiremath, Rajesh T M, P. Naresh	190
31	A Unified Approach on Phishing Detection using Chrome Extension Integrating ML and NLP	196

	G. Surya Prakash, D. Surendiran Muthukumar, Rajesh Kumar K, P. Rashmi, Guda. Vamsi Kumar Reddy, Alluri J A P Satya Kishore	
32	Implementation and Evaluation of a Real Time Sign Language Recognition System Ganesh Khakare, Pranay Batta, Tavishi Jain, Ajay Kumar Phulre, Vipin Singh, Goutam Majumder	204
33	Real-Time Lane Detection for Unstructured Indian Roads using High Resolution Segmentation Manoah Noble, Santhiya P, Getzi Jeba Leelipushpam, Stewart Kirubakaran S	211
34	Bone Tumor Detection using X-Ray Images Kanchana M, Shankar R, Hariharann G	217
35	Predicting Crop Yields with Random Forest: A Data-Driven Approach Govindaraj M, V Asha, K. Vinisha, Jayashri H V, Jeevan R	223
36	Dynamic Hybrid Cryptographic System using Modified Additive Congruential Generator Manushri Tummala, Mahadevi E Malkhed, Geetaa Namrithaa S, Sagar Basavaraju	229
37	Sentiment Classification with Large Language Models: A Study on Generalization and Performance Bhavana Verma, Priyanka Meel, Dinesh Kumar Vishwakarma	236
38	Stock Market Price Prediction using Deep Learning R. Abivarshini, K. France	243
39	Autism Spectrum Disorder Diagnosis Through Natural Language Processing and ConvCapsule Fusion Network Jagadesh Balasubramani, Surendran R	248
40	Development of an Equivalency Checker Application using Blockchain and Machine Learning Approach Sumathy Krishnan, Surendran R, Kotteeswaran C, Senduru Srinivasulu	254
41	SecureVaultChain: A Blockchain-based Hybrid Model for Comprehensive Threat Mitigation in Network Systems J Sulthan Alikhan, R. Naveenkumar, Yamini Sharma, Sathish P, Ch. Raja, R. Kayalvizhi	262
42	XAI-based Heavy Rainfall Prediction using Satellite Data in Andhra Pradesh M. Sobhana, Tejaswi Kondabolu, Surya Sanjay Damuluri	269
43	A Dual-Stage Framework for Accurate Blur Detection and Image Deblurring Rajesh T M, Shankramma S Dhavalagimath, Amrutha Hugar, Ananya Vodnala, Divya Pandurang Kamat, Khursheed Iram	275
44	CipherSteg: A Robust Multithreaded Steganographic System using Adaptive LSB and AES-256 Encryption Y. Soundharya, K. France	280
45	Data Driven Real Estate Price Prediction in Dubai: A Machine Learning Approach Aneesa Mohamed Ayaz, Saravanapriya Manoharan	287
46	Gated Soft-Hard Attention Enabled Deep Learning Framework for Sentiment Analysis in Social Media Data Jay Narayan Thakre, Neelu Nihalani,	295
47	Utilizing Artificial Intelligence to Drive Operational Efficiencies in Retail Through the Transformation of Unstructured Invoices into Structured Data Mahesh Kumar Paturu, Parameswaran G, Naga Tanmay P, Ashok Kumar T	303
48	Enhancing Security with Face Recognition and Hand Gesture M Sobhana, Mudunuri V CH S Raju, Bommaganti S V Vikas, Kalle Bhavya Vani	309

49	AI-Driven Document Analysis: Employing Streamlit, Faiss, Nvidia Nemo Nongmeikapam Thoiba Singh, Harkamal Kaur, Jyoti Dhiman, Ayush Aryan, Jyoti Rani Manoj Wadhwa	314
50	Performance Expectancy and Facilitating Conditions Shaping Startup Founders' Attitudes on Social Media Hasya Nazila, Levina Kayla Putri, Doni Purnama Alamsyah	323
51	MDH-QCNN: Secure Data Sharing using a Multi-Objective Optimized Blockchain-based Framework Jolly Nikhade, Shrikant V. Sonekar	329
52	Optimizing Weather Forecasting Accuracy with Convolutional LSTM: Case Study of Machilipatnam Coastal Region K L Sailaja, Turlapati O S S Mallikarjun, Chintalapudi Neeraj, Tummala Praharsitha	337
53	Speech to Sign Language Translation Techniques - A Scoping Review Ravi Kumar V, Rashmi S	342
54	Privacy-Preserving Data Pipelines for AI: A Comprehensive Review of Scalable Approaches Prateik Mahendra, Alisha Verma	350
55	A Comprehensive Review of AI and ML in Data Governance and Data Quality Prateik Mahendra, Paras Doshi, Alisha Verma, Shailendra Shrivastava	356
56	An Approach Towards Effective Processing of Liver Tumour Data V. Varalakshmi, U. Hemamalini	362
57	Hybrid BERT-based Deep Learning Models for Sentiment Analysis: A Study on LSTM and GRU Configurations Syed Nawaz Pasha, Ramesh Dadi, Shreeya Bose	368
58	Edge Computing: The Future Era of Cloud Computing-A Review Madhura K, Ankur Mahida, Soumyalatha Naveen, Yashaswini K A, Usha Desai	375
59	Blockchain Enabled Federated Learning for Privacy Preserving Lung Cancer Risk Prediction Maithili K, Alex David S, Chandralekha E, J Daphney Joann, Anitha M, Elavarasi J	382
60	An Emotion-Aware Recipe Generation Framework using DistilBERT and Large Language Models Roshan JS, Srisanjana K, Madhumitha D, Shivanandham R. S, R. Subha S. Ananthi	387
61	RISC-V SIMD Instructions - Vector Extension (Load/Store) Kavyashree B, Geethashree A, Monisha Suresh, Niranjana Khatavkar R, Suhas D D, Nikhil N M	394
62	Certificateless Multi-Receiver Encryption (CL-SM2-MRE) for Secure and Efficient Cloud Data Sharing Sree Santhikrishna S, Vinodhan M, Sairam V S, Reshma V K	398
63	A Systematic Exploration of AI-Powered Personalized Investment Strategies Nilesh Mali, Vidyullata Devmane	404
64	Data Privacy and Ethics on Social Media Platforms Ramesh G, Kiran Raj K M, Anagha Ankolekar, G Prathamesh Kamath, Vaishnavi V Naik	410
65	A Promptless Circle Search: An Innovative Approach for Efficient Query- Free Retrieval K R Pardeshi, A M Pujar, Gomtesh Manoj Kote, Vaibhav Vitthal Sutar, Vishal Govind Kumbhar, Tushar Umakant Mathapati	416

66	InstaSecure: CCTV Anomaly Detection & Footage Summarization Vaidehi Kale, Janet Rebello, Saumya Poojari, Glancy Dsa, Shamsuddin Khan, Jetso Analin	422
67	Facial Recognition-based Smart Attendance System using MongoDB and OpenCV Gnanakumar D, Pavan Siva Kumar S, Omkara Anjaneya Kumar R, Shaik Mohammad Kaif, Yuva Rami Reddy G, Jnapika Naga Deepthi P	429
68	Credit Card Fraud Detection System Python Ajith kumar. G, Karunambikai	435
69	Hybrid Machine Learning Framework for Early Parkinson's Disease Detection using Spiral Drawing and Voice Data Analysis R Alexander, T Lavanya, Lakshana A, G Sameera Fathima, N Kavya, Sinduja R	442
70	Deep Learning–Driven Dynamic Clustering for Intelligent Customer Segmentation Naga Ravi Teja Vadrevu, Paras Doshi, Shailendra Shrivastava, Hemanth Dandu	449
71	Enhancing SAP Cloud Optimization with Explainable AI: Cost Control, Workload Forecasting, and Performance Enhancement Ashwini Chandrakumaran	456
72	Fake Social Media Profile Detection using Machine Learning and Deep Learning Supraja P, M Pranita, Gopika M Nair	464
73	Customer Loyalty and Retention Analysis using Hybrid Strategy N Mithili Devi, V Asha, Govindaraj M, Pranav dev, Pawan kumar, Prathviraj	472
74	HEAL-Health for Everybody Available Locally, An Improvised Telemedicine System using AWS with PHP Saakshi Aras B. A, Chennagiri Rajarao Padma, Arbind Kumar Gupta, Adwin Justa Manuel, Mahesh Kumar N	478
75	LSTM-based Financial Trend Prediction: Exploring the Use of Trend and Momentum Indicators Yuvaraj. S, Chenni Kumaran. J, I. M. Christina Febiula, Benschwartz. R	484
76	Market News Analyzer based on Large Language Models N. Sunanda, Ponagandla Mahesh Reddy, Tarigopula Chaitanya, Velupula Saketh Ram, Vishwanatham Manvith, G. Vanaja Kumari	490
77	Comparative Analysis of Algorithm for Online Payment Fraud Detection Suraj C Gowda, V Asha, M T Vasumathi, M V Vishal, Kunal Kumar Mandal, M Saikumar	496
78	Machine Learning-based Predictive Analytics for Health Diagnosis: A Case Study on Diabetes Prediction Pratap M S, G. Arulkumaran	500
79	Emotion-Driven Conversational AI: Speech Recognition and Response with Emotional Intonation Namratha B, Pranav Venkata Rama Chintalapudi, Susmitha Vekkot, Sreeja Kochuvila	506
80	SecureLayer: A Multi-Layered Architecture for Tamper-Proof File Sharing Via Blockchain-Anchored Steganography and Visual Cryptography Karina Sayta, Dhanashri Wategaonkar	512
81	Hyperparameter Tuning for Domain-Specific Text Generation: A Case Study with FLAN-T5 Anukriti Kaushal, Rishabh Chauhan	518
82	A Stacked LSTM-based Deep Learning Approach for Forecasting Nifty 50 Market Lows	524

	Nitin Shivsharan, Mandar Kulkarni, Prarthana Ghadigaonkar, Indragopal Bille, Amol Waingankar, Duradundi Sawant.Badkar	
83	Optimizing Agricultural Insights: Semantic Clustering and Topic Modelling for Farmer Queries Lalith Abhiram Dasari, Jetty Sowmith, Mamidi Naveen Krishna, Ch. Saketh, Manju Venugopalan	532
84	OpenLearnHub: An AI-Driven Online Platform for Equitable Access to Educational Resources with Integrated NLP and Speech Recognition for Enhanced Learning Assistance Ande Prudhvisai, Sourapu Vishnu Bhagath, Velavolu Sravanthi, Kare Dhavan	541
85	Upgrading Fake News Identification using ML-based Classifiers Sukanya N. S, V. Asha, Vasumathi M. T, Sudharsan S, Sneha N, Sneha K A	548
86	Sentiment Analysis of English-Hindi Code-Mixed Text using mBERT Model Shailendra Kumar Singh, Anil Sharma, Sahil, Dhanpratap Singh, Sutexion Pandit, Uzma Saghir	552
87	DeepSeaNet: A Multi-Modal Deep Learning Framework for Reliable Data Transmission and Event Detection in Underwater IoT Environments Nellore Kapileswar, Judy Simon	557
88	PrivAudit: A Federated Transformer-Driven Anomaly Detection Framework with Differential Privacy for Secure Cloud Infrastructures Nellore Kapileswar, Judy Simon	563
89	Text Classification using Siamese Graph Convolutional Pyramid Attention Network using Binary Light Spectrum Optimizer Jagadish R M, Vipashi Kansal, Lakshmi M, Bhargav H K, Harshal Patil, Ramya Maranan	570
90	Smart Fuel Consumption Prediction and Driver Profiling using Machine Learning and Ecu Data Analysis Mounica Balla, Gutha Shivamani Reddy, Uppala Dharshini, Muddam Abhinav	577
91	Design and Implementation of a Blockchain-based Secure and Transparent Electronic Voting System Mourya Gowda S, Kushal C S, Nikhil K N, Niranjnamurthy M	584
92	BlockBotChain: Trust and Audit Framework for Collaborative Robotic Supply Chains Sowmiya S, Swedhaa S, Sri Kannika U K, Sasirekha S P, Mekala N	591
93	Hybrid Rainfall Prediction: Combining Thornthwaite Method, ANN, and Model Interpretability with LIME and SHAP Hanumanthappa H, Sripada Sai Bhavya, G Sri Prabha Sumana, Shreya PS, Madhumitha Reddy	598
94	Multi-Channel EEG Signal Analysis for Mental Arithmetic Task Classification using Hybrid CNN-LSTM Model Ganeswari Sirigudi, Hema Kumar Goru, Nanda Kishore Reddy Gadi, Sai Meghana Penumaka	604
95	Machine based Identify Influential Nodes in Complex Networks Shivangi Verma, Rahul Bhandari, Nitika Kapoor	610
96	SeniorFed: A Dynamic Leader-based Federated Learning Framework for Senior Homecare Md Forhad Hossain, Shajulin Benedict, Michael Gerndt, Nevlin Noble, Bhagyalakshmi Muralidharan	616
97	Identification and Classification of Medicinal Plants using ResNet V2 CNN Architecture A. Koteswara Rao, Taruni Gundala, P. Geetha Sowjanya, Ramitha Goli, T. Sai Yashwanth	624

98	Enhancing Deepfake Detection with CBAM-Integrated CNN Models Mohammad Izhar Haider, Upasna Singh	630
99	Leveraging Machine Learning and Molecular Neural Networks to Interpret and Explain AI-Driven Prediction of Drug Efficacy T. Venkata Naga Jayudu, Koushik Reddy Chaganti, K Rammohan, N. Srihari Rao, D. Chaithanya, Y. Mohan Das	636
100	Enhanced Crop Prediction using Environmental Factors and Advanced Machine Learning Techniques P Kalaiarasi, J Srikar, M Ranadheer Reddy, A Venkata Sai Advait, M Sai Charan Goud	642
101	Human Activity Recognition-based Fall Detection with GCRNN via Ninja Optimizer Banushri S, Jagadeesha R	649
102	Metadata Extraction from Scholarly Document using Deep Learning Parth Raval, Hetal Bhaidasna	656
103	Smart Agro-Weed Eradication with AI Driven Weed Detection and Removal using Vision Transformers and Neuromorphic Computing Rajesh Natarajan, Sujatha Krishna, Anitha Premkumar, N. Thangarasu, Badria Sulaiman Alfurhood, Karthik Vasu	661
104	Performance and Security Challenges in Next-Gen Networks: SDN using FFNN as a DDoS Mitigation Solution Vaidehi Shah, Pranay Yadav	669
105	Music Recommendation based on Real Time Emotions using Deep Learning P Kalairasi, Madala Chaitanya Prabhu, Sai Vardhan Sariki, Pitta Ranga Vikas, Harikrishna Kunaguntla, S. Somasekhar Datta	675
106	A Recurrent Neural Network-based Approach for Predictive Analysis of Equipment Durability Sathya J, V. Asha, A. Kalaivani, Shajeeth A S, Shaamkumar S, Shaik Sadik Basha	681
107	Multi-Class Ultrasound Liver Image based Disease Recognition using Fine-Tune Transfer Learning Rakhi Jha, Jaiprakash Narain Dwivedi, Kailash Kumar Pareek	686
108	Fake Review Detection in E-Commerce using Machine Learning and NLP Technique Pasupathi Pandi. T, N. Siva Kumar	692
109	CardioML: A Streamlined Machine Learning Pipeline for Cardiovascular Disease Detection and Classification K Aditya Shastry, Rithwik M, V Likitha Chowdary, Jayanth R, Manoj Rathod	699
110	Facial Emotion Recognition for Online Classrooms using Lightweight Transfer Learning Mas Rina Mustaffa, Manar Ahmed Alsulaimani	706
111	Dynamic Capsule Attention: Adaptive Spatial and Feature Recalibration Koilothe. S. R. S. Jyothsna, Joseph Michael Murray	712
112	Hybridizing Convolutional and Transformer Networks for Diabetic Retinopathy Detection in Retinal Images R Kavitha, R Akash Vishnu, M Hari Prasanna, C Ravee Raghul	717
113	Comparative Analysis of Deep Learning Techniques for Real-Time Deforestation Detection Kanipriya M, Hareesh Padmanabhan V, Shrivanth Venkataraman	722
114	Optimizing Crop Recommendation using Adaptive Hybrid Stacking Ensemble Model Kabeer Arora, Koena Sarkar, Ponmagal R S	729

115	High-Resolution NO ₂ Mapping via Satellite Data Downscaling using Machine Learning and Deep Learning Techniques Devarajan M S, Arokya Selvamalar G, K B Jayanthi	735
116	Comprehensive Study on Skin Cancer Detection and Classification using Machine Learning Naveen Kumar H N, Bhanu H S, Nagashree G, Nisarga Prabhu, Nishmitha C S, Pooja S	742
117	Diabetes Prediction and Classification using Machine Learning and Deep Learning: A Chatbot-based Approach Shanmugapriya T K, Karunambikai R	745
118	Semantic Segmentation for Early Detection of Plant Stress and Disease using Multispectral and Thermal Imaging Through U-Net based Model P. Ashok Reddy, Shaik. Mahabunny, Gali. Karthik, Merajyothu. Venkateswarlu Naik	751
119	A Comprehensive Survey on Deep Learning Applications in Plant Disease Detection and Classification Latha Yadav T R, Jagadeesha R	758
120	Enhancing E-Commerce Pricing with PPO: A Reinforcement Learning Approach Osama Abedalmajeed, Saravanapriya Manoharan	766
121	Classification of Paddy Leaf Diseases using Deep Learning Subhani Mahammad, Bindu Priya Makala, Naveen Babu Mecharla, Santhosh Chilaka, Venkata Ratna Prabha K, Manoj Kumar D	774
122	AI-Powered Resume Screening System using NLP and Machine Learning Dhanalakshmi R V, Shivashish Gour, Shashank M, Sushmitha K, K J Nithin, Keerthana S N	780
123	Text Summarization using PEGASUS Transformer Model in Machine Learning Naga Venkata Krishna Sai Dasari, Akey Sungheetha, Rajesh Sharma R, Gali Lakshmi Venkata Mahesh, Goginollu Danesh, Takveer Singh	786
124	MM-HealthGuard: Multimodal Deep Learning Framework for health for Real-Time Health Monitoring with Privacy-Preserved Stream Processing Akey Sungheetha, Rajesh Sharma R, Sheila Mahapatra, Swetha Divakar, Nittin Sharma, G. S. Pradeep Ghantasala	789
125	Enhancing Flood Prediction Accuracy: A Hybrid Modeling Framework Integrating CNN, Random Forest, and Bayesian Regression Sathiyamoorthy M, Subramanian P	795
126	Evaluating CNN and Random Forest Approaches for AI-Driven Dynamic Flood Hazard Mapping Sathiyamoorthy M, Subramanian P	801
127	Automated Recognition of Diabetic Retinopathy and Glaucoma using Deep Learning S. Kishore Verma, R Manivannan, J S Adeline Johnsana, D. Annal Priyadarshini, J. S. Linda Johnsana, M Thiagarajan	806
128	Optimizing Heart Disease Prediction with Hybrid Ensemble Learning Vivek Tomar, Jaanvi Rawat, Arya Pathak, Sanjeev Thakur	814
129	A Review of Graph Neural-Networks for EEG-based Emotion-Recognition: Tackling Data-Imbalance, Noise, and Out-of-Distribution Generalization Debleena Bhattacharjee, Upasana Talukdar	820
130	Adaptive Reinforcement Learning Framework for Environmentally Sustainable Route Optimization Gurwinder Singh, Ranjan Walia, Khushbu Cheetu, Veeramanickam M. R. M	828

131	Land Cover Classification and Mapping of Philippine Satellite Images using RAU-Net Joseph Jessie S. Onate	834
132	3D ResNet-18 based Deep Convolutional Network for Automated Stroke Detection in Volumetric CT Scans J. Relin Francis Raj, X. Arogya Presskila, R. Santhana Krishnan, R. Sarala, R. Augustian Isaac, N. Soundiraraj	840
133	NAVISIGHT: A Deep Learning and Voice-Assisted System for Intelligent Indoor Navigation of the Visually Impaired A Sachin, Aryan Penukonda, M Naveen, Pramod Gurunath Chitrapur, Praveen Kulkarni, Chandrakala B M	848
134	AI Powered Healthcare Assistant using Machine Learning Techniques Sreedhar Bhukya, Abhishek Narmula, Rugved Goparaju, Vivek Reddy Kamasani	855
135	ConvLSTM for Flood Forecasting: A Deep Neural Network Model for Integrated Temporal and Spatial Flood Analysis P. Priyadharshini, R. Parvathi, Lijetha C Jaffrin, R. Santhana Krishnan, J. Relin Francis Raj, T. Saranya	860
136	A Deep Learning Model for Investment Scam Prevention in Financial Systems: Autoencoder-based Anomaly Detection L. Selvam, J. Relin Francis Raj, R. Santhana Krishnan, R. Parvathi, G. Vinoth Rajkumar, M. Vijaya Gandhi	868
137	Performance Analysis of ARIMA in Tec Prediction for Equinox and Solstice Days Swati Kemkar, Suman Mukherjee, Sumitra Iyer upGrad	876
138	Optimizing Early Detection of Cardiovascular Disease using Ensemble Learning Approach Abhinav Dahiya, Aditi Chauhan, Anshita Garg, Rahul Katarya	884
139	Robust Automated Left Ventricle Segmentation and Ejection Fraction Estimation using an Enhanced ResNet-UNet Deep Learning Framework in Echocardiography Tahrim Fatiha, M. Mohi Uddin, Sharmin Rahman, Md. Atikur Rahman, Md. Rakib Hasan, Saiful Islam Tuhin	892
140	Chaotic Addax Optimization Algorithm based LightGBM for IT Professionals Performance Analysis in Adaptive E-Learning Yuvapriya P, Subramanian P, Surendran R	897
141	RFCNN Traffic Accident Severity Prediction based on Decision Level Fusion of Machine and Deep Learning B. Madhavi, Munugapati Bhavana, Kommanaboyina Lakshmi Sundara Soujanya, B Anuradha, P. Santosh Chandrika, Koppula Srinivas Rao	904
142	A Novel ERDP-CNN Framework for Effective Brain Stroke Detection in CT Scan Images Monika, Urvashi Garg, Kanika	911
143	Deep Learning based Super Resolution Techniques on Videos Aradhana Rauta, Ajit Kumar Sahoo	917
144	Comprehensive Study on Lymphoma Detection using Deep Learning Naveen Kumar H N, Bhanu H S, Muhammed Junaid, Supritha S, Ramya S, Srushti K S	923
145	Development and Testing of a Novel Cell Formation Technique Utilizing Sheep Flock Heredity Algorithm using Java Application V Durga Rajesh Kanchu, Chiranjeevi Aggala	928
146	Implementation of Automatic and Accurate Railway Track Fault Identification System using CNN	935

	R. Sumathy, Ch. Rama nithin, G. Bharath reddy, K. Amarnath Reddy, M. Durga prasad	
147	Skin Cancer Diagnosis with AI: U-Net-based Segmentation and LITE-CNN Classification Deep Paun, Gordhan jethava	940
148	EnviroHarvest-OptiNet: A Hybrid Optimization and Predictive Modeling Framework to Assess the Environmental Impact of Rainwater Harvesting S. Gautham, P. William Robert, S. Chandrasekaran	946
149	Hybrid CNN-Graph Attention Networks for Diabetic Retinopathy Grading: A Multimodal Feature Fusion Approach Vamshi Krishna Pandugula, Abhishek Choudhary, Ravi Uyyala, Padmavathi Vurubindi	953
150	Comprehensive Weather-Affected Automobile Vision Algorithm based on SURF and Optical Flow Aparna Verma, Harshad Ashok Warnekar, Umesh Ghanekar	959
151	Transformer-based Network Intrusion Detection: A Multi-Dataset Analysis Grijesh Nemiwal, Deepa Rani, Rajeev Kumar	966
152	Operator Chain Detection in Image Forensics using a Two-Stream CNN Dhruv Katyal, Harshit Naagar, Kangan Gupta, Anukriti Kaushal	973
153	Deep Learning and Decision Tree Approach for Detecting Survivors in Disaster Debris J. Seetaram, Gourishetty Meghana, Sama Kirodher Reddy, T. Poojitha	980
154	Integrating Multimodal Learning for Scalable Indoor Scene Understanding Naina Kalyanshetti, Praveen Kulkarni	988
155	Efficient Microplastic Detection in Water using ResNet50 and Fluorescence Imaging Gomathi V, Bharath T M, Gowri Sangeetha V, Haripriya S, Hirankumar B	994
156	Real-Time Road Traffic Incident Management System using CNN Sudha E, Hema S, Jaya Sri M, Gugan M, Fayaz Ahamed A K	1002
157	U-Net based Approach for Precise Ovarian Tumour Segmentation in Ultrasound Imaging Ratnala Mani Deepika, P. Chitra	1008
158	A Review on Deep Learning and Transfer Learning Models: Grape Leaf Disease Detection Prachi Goraksha Dhavane, Tejaswi G. Mangave, Tejaswini S. Deshmukh, Pooja P. Kajale	1013
159	FALCON: Frequency-Aware Lightweight Convolutional Optimized Network Himanshu Maan, Hemang Hooda, Harshit Verma, Anukriti Kaushal	1019
160	Region-Specific Topographic Representations for Deep Learning-based Brain-Computer Interfaces Cagatay Murat Yilmaz, Ahmet Ulu	1027
161	Towards Automated Medical Pre-Diagnosis: Disease Prediction Chatbot using Ensemble Learning A. A. Babar, R. V. Argiddi, M. A. Mahant	1035
162	Optimizing Currency Classification and Counterfeit Detection with Machine Learning Algorithms Dnyaneshwari B. Narale, Anita M. Pujar, K. R. Pardeshi	1041
163	Principal Component Analysis of Learned Latent Images in U-Net for Blood Vessel Segmentation Sunil Kumar Vengalil, A Lalith, Archana K	1047
164	Comprehensive Threat Validation for Enhanced Network Security K. Dinesh Kumar, Ch. Srisaiteja, Niranjan Peeka, I. Govindharaj, S. Edwin Raja, D. Dhinakaran	1052

165	Hybrid Vision Transform and VGG-16 Model for Papaya Leaves Disease Identification Mugdha Arekar, Shrini Patel, Nisha Velani	1058
166	Detection of Landslide using Machine Learning with Early Warning System R. Valli Suseela, U. Sheereen Farhana, G. Vasanthadevi, M. Thanis Hepziba Mary, S. Kamala Hashinie, V. Sharmiya	1064
167	Efficient Alzheimer's Stage Recognition with Fine-Tuning Convolutional Neural Network Shah Priyanshiben Ketankumar, Parul Bakaraniya, Barkha Joshi	1070
168	Recommendation of Ayurvedic Drugs using Machine Learning A. M. Pujar, A. R. Chinchawade, K. R. Pardeshi, Gauri Avinash Vibhute, Shruti Ratnakar Babhale, Swapnali Mahavir Shah	1077
169	Exploring Explainable AI Methods for Decoding Machine Learning Model Decisions Shruti Kumar, Namrata Dhanda, Kapil Kumar Gupta	1083
170	Machine Learning Approaches for Predicting Heart Disease Risk S Tarun Sindhe, Sowmya H D, Rajesh TM, Girisha G S, P. Naresh, Yashpal Gupta S	1090
171	Analyzing the Impact of Screen Time on Child and Adolescent Behavior and Academic Performance using Machine Learning Models Epifelward Niño O. Amora, Jose C. Agoylo, Jorton A. Tagud, Jimson A. Olaybar, Keano Nikko L. Sy, Rolly S. Acaso	1097
172	Intelligent Fraud Detection: Leveraging Deep Learning for Real-Time Risk Mitigation Naga Ravi Teja Vadrevu, Paras Doshi, Shailendra Shrivastava	1105
173	A Machine Learning Framework for Detecting and Mitigation of Cyber Threats in IoT Environments Kritika Murugandi Reddiar Seetharaman, Pranay Yadav	1112
174	Deep Learning-based MR Image Segmentation for Brain Tumor Detection using EAU-Net R Alexander, A Lakshana, T Lavanya, G Sameera Fathima, N Kavya, Mary Valentina Janet A	1120
175	CognitivePathway: A Framework for Early Alzheimer's Disease Detection using Pattern Recognition and Neural Insights G Chamundeswari, Dr Pandarinath Potluri, Priti Kandewar, Lalitha palthiya, Radhika Goriparthi, Shrikant Upadhyay	1127
176	Predicting E-Commerce Checkout Abandonment using Gradient Boosting Models Divyanshu Abhichandani, Naga Ravi Teja Vadrevu	1134
177	Price Forecasting for Vegetables using SARIMA-LSTM and Multitask Learning Suresh Babu Dasari, Hemanth Suresh Para, Dheeraz Chaduvula	1140
178	A Hybrid Approach to Cloud Database Security: Integrating DL and Machine Learning for Threat Detection and Prevention Godavari Modalavalasa, Pranay Yadav	1147
179	Hybrid Genetic Algorithm-based Dynamic Route Optimization for Public Transport Efficiency Anil Manohar Dogra, Gurwinder Singh, Ranjan Walia, Gaurav Soni	1155
180	Enhancing Weather Prediction for Transportation and Logistics using the Temporal Fusion Transformer Algorithm Sukanya N S, V Asha, Vasumathi M. T, Shripurna Gothe, Suman Fernandes, Sudeep Kumar	1161

181	Techniques Demystifying AI Network Forensics in Cyberspace Comprised of Diffusion Models and Hybrid Anomaly Detection based on Transformers Suresh P, V Sheeja Kumari, Aswathy R H	1166
182	Eco Vision: A Deep Learning Framework for Intelligent Waste Classification and Sustainable Management Suresh P, Aswathy R H, Muppala Jasvanth Varma	1171
183	Classification of Obesity Level-based Transfer Learning and LSTM Andri Pranolo, Nurul Putrie Utami, Agung Bella Putra Utama, Fairuz Khairunnisa Anasyua, Itoshiko Nurahman, Aji Prasetya Wibawa	1176
184	Diabetic Retinopathy Classification using Swin Transformer: A Vision Transformer-based Approach Praveena Mallampalli, Mahaveerakannan R	1181
185	Generative Adversarial Networks based Enhanced Tuberculosis Detection via Chest X-Ray Analysis Thatikonda Krishna Kalyan Gupta, Oruganti Yashwanth Reddy, Iniyan S, Usha Desai	1189
186	Diabetic Retinopathy Classification using DenseNet121 and Web Application Deployment Anisha Raphael, Anitha E, Abisri S, Ritika S, Manju Venugopalan	1196
187	Enhanced Chaotic Dragonfly Optimization for Early Alzheimer's Diagnosis: A Feature Selection Technique S Sabari Vasan, Swasthika Bhaskar, Nandhini N	1204
188	Efficient Alzheimer's Disease Classification using Semi-Supervised Federated Learning Koushick Barua, Rishita Chakma, Tanjim Mahmud, Rakhimjon Rajapboyevich Rakhimov	1210
189	Melanoma Detection using Customised DenseNet-121 for Dermatological Image Analysis Prameela Nikku, Anusree Lavanuru, Dileep Kumar Boddu, Kurshitha Ravirala	1217
190	Enhancing Healthcare Insurance Cost Prediction with a Metaheuristic Optimization Approach: Comparative Analysis of Machine Learning Models Mahaveerakannan R, Manjula Arunraj	1225
191	Heart Disease Prediction using Machine Learning-based Voting Ensemble Merin Susan Philip, Theegala Sindhu, Devu Sai Sathwika, Guduru Dinesh	1233
192	Advanced Mulit Diseases Prediction Muppidi Mahesh, B. Sasi Priyatham, G. SaiKumar, K. Venkat Varshith Reddy	1239
193	Ensemble-based Detection of Anomalous Patterns in Credit Card Transactions Merin Susan Philip, R Praveen, M. Jashwanth, A. Saida Chary	1246
194	EcoDriveAI: Real-Time Smart Traffic Signal Control using V2I and Deep Reinforcement Learning Sasirekha S P, Mekala N, Nalan R, Rupak Ram M, Mohammed Nihal H	1252
195	Chronicles in Motion: Spatiotemporal Activity Detection with Deep Learning R. Praveen Kumar, G. Nagasahithya, C. Pramod, A. Arjun Reddy	1259
196	Innovations in Brain Volume Estimation: A Multi-Method Perspective Ravi Raja Akurathi, Yasodha Dadibathina, Namovenkat Bandaru, Ruth Violet Songa, Yallamandaiah S, Sridevi Dasam	1266
197	Wine Quality Prediction using XGBoost with Polynomial Feature Expansion and SMOTE Meghana P, Yashpal Gupta S, Rajesh TM, Girisha G S, Sivananda Lahari Reddy, P. Naresh	1271

198	Study of Control techniques of Grid Forming Inverters Integrating with Grid Following Inverter by using SVPWM Prasanna Kumar L, Anand R, V. P. Meena, J. Ramprabhakar	1278
199	Personalized Federated Learning for Privacy-Preserving and Scalable IoT-Driven Smart Healthcare Dilip Kumar Jang Bahadur Saini, Nilesh Shelke, Amit Pimpalkar, Prajwalasimha S N, Ranjima P, Vinitha V	1285
200	Comprehensive Navigation Solutions for Visually Impaired Users: Features and Implementation of Smart Blind Sticks – A Review Vivek A, Adwaith. A. Nair, Abhilash N Pillai, Parthiv Bijumon Bhasker	1291
201	Residential Load Forecasting using Regression Techniques Kusumika Krori Dutta, Annapurna P Patil, S. Poornima	1298
202	Predictive Modeling for Early Parkinson's Disease Diagnosis using AI Rajeswari K, Barath kumar S, Sanjaykumar S, Ravibala K, Vasanthakumar S	1305
203	Air Quality Analysis and Prediction using PM2.5 using Hybrid Model Viji D, Tarun Prakash, Nanagari Puneeth	1312
204	Real-Time Flight Path Optimization: Enhancing Efficiency in Modern Aviation M. Venkateswarlu, G. V. N. Shri Himaja, V. Sainath Reddy, M. Vineeth	1320
205	Performance Analysis of 80Gbps Hybrid Fiber-FSO Links in High-Speed DWDM Communication System Dipti Sharma, Meet Kuamri, Ashutosh Tripathi	1327
206	Optimizing YOLO Models for Efficient Object Detection for Surveillance Applications Monish Sai Krishna Namana, Budidi Udaya Kumar	1333
207	FoodVision: Real-Time Food Recognition and Ingredient Detection Ekansh Maheshwari, Ishaan Jha, D. Viji	1339
208	Smart Air Quality Monitoring with Model Context Protocol for Environmental Safety Technology Sudarvizhi T, Poomainthan M, Arjun A Chandran, Gowtham L	1347
209	A Novel Framework for Malaria Detection using Machine Learning Ponkam Roshitha, Ravuri Abhinaya, Pasala Bharatha Simha Reddy, Pasupuleti Reddy Kumar, Chekuri Nalini	1354
210	TabNet Fusion Framework for Explainable Multi-Omics Alzheimer's Disease Classification Vidhya K, S K Surya, Geetha S K, T. M. Thiyagu, Catherine Joy R, Jenefa Archpaul	1364
211	Unlocking E-Map Potential in Internet-Challenged Zones using Light Fidelity Shibhya Kaimal, Alfred Anto Vembil, Dhruv Suvarna, Joshua Laurent Sequeira, Varsha Shrivastava	1370
212	Automated Forest Health Assessment: Leveraging YOLOv8 for Fire Risk Analysis and Biomass Estimation using Allometric Algorithm Harika Reddy Kalakota, J. V. D. Prasad, Vaishnavi Velisala	1376
213	Securing IoT Systems through Deep Learning-Powered Threat Detection Nidhi Joshi Parsai, Dr Sumit Jain	1383
214	Collaboration-Enabled Energy-Aware Learning Model Exchange (CE-LME) Framework for Edge Computing-Assisted Applications Prajwal Kumar K, Rubiya Subair, Shajulin Benedict	1390
215	AI based 5G IP Multicast Optimization Framework for Automotive Systems S. Jayanthi, Sakthi Kumar S, Manjunatha Sathish A, Sabarisan K M, Judeson Antony Kovilpillai J	1396
216	FPGA Implementation of the CORDIC Algorithm for Sinusoidal Waveform Generation Girijamba D L, Amrutha mahendrakar, Anagha, Annapurna, Eunice Paulina	1402

217	Federated Adversarial Learning for Scalable and Robust Zero-Day Cyber Threat Detection in IoT Networks Prajwalasimha S N, Amit Pimpalkar, Nilesh Shelke, Dilip Kumar Jang Bahadur Saini, G Hemanth Kumar, Sindhu A	1408
218	SeptiSense: A Wireless Monitoring and Alert System for Septic Tank Gas Hazards Suhas Bhise, Anvita Barlingay, Siddhi Chollangi, Gargi Deo, Aditya Dalvi, Varad Bhaelrao	1415
219	AgriTech Smart Billing: Intelligent Checkout for Agri-Supply Centres Lakshmi SriDhanya Chevuri, Sandeep Vemuri, Varshini Cheepurubilli, Nethrika Padamati	1421
220	Gesture-Powered Robotic Hand for Remote High-Risk Operations Malavika C, Mangai S, Nirmal B, Sakthi Prarthanna V S, Sathiyapriya P, Suja M	1430
221	Advancing Industrial Maintenance with YOLOv8-based Corrosion Analysis Ashish Thota, B. Lakshmi Dhevi, Abhinay Reddy	1435
222	Intelligent System for Medicinal Plant Identification and Personalized Health Recommendations M. Kavitha, Karthikien, Shivam Kumar, Shanu Kumar	1440
223	IoT-based Implementation to Initialize the Wireless Power Transmission in EVs Gauraang Divi, Akshay Kumar K S, Viyassomaan T C K, Pramod C P	1447
224	Optimizing Ventilation and Renewable Energy with Wind-Driven Power Generation System Omkar Aher, Prathmesh Zagare, Debraj Bhowmick	1453
225	Real-Time Carbon Emission Mitigation Framework with Intelligent Appliance Detection Viji D, Jolly Manda, Nikhil Chintam	1457
226	Intelligent Autonomic Computing: Achieving Self-Optimization through Autonomous Learning R. Radha, Rathnakar Achary, P. Mano Paul	1463
227	Enhancing Cross-Modal Grounding in Vision-and-Language Navigation through Attention based Visual Encoder Ashutosh Pandey, Anil Singh Parihar	1469
228	Real Time Driver Impairment Detection System Ramya M, Anuvarshini B S, Kanika G, Lohith A, Barath B	1475
229	Vision Revive: AI based Dehazing/De-Smoking Solution Harsh Shukla, Jyoti Gaur, Palak Pundir, Rani Astya	1481
230	Design and Implementation of a Dual Mode IoT based Home Automation System using Arduino and Proteus V. Sugannivas, H. J. Shanthi	1487
231	Intelligent Parking Systems: Transforming Urban Mobility with Smart Solutions Sabari Rajan J, C. Meenakshi, Silambarasan R K, Manikandan V	1491
232	Impact of Dielectric Substrates on the Performance of Circularly Polarized MIMO Antennas Shahadev Hake, Rupesh Jaiswal, Sunil Moon, Pritam Nikam	1497
233	Design and Development of Electric Dual-Function Weed Controller and Fertilizer Distribution Machine Chetan Chilu Bondkhal, Sushant Kailashchandra Agrawal, Dipesh Bhaurao Pardeshi, Priyanka Ramlal Halwai	1503
234	Design and Implement a Low Power Wireless Sensor Node using CMOS Technology	1508

	Suman M N, Kavitha B C, Dankan Gowda V, Nethravathi H M, I kumaraswamy, Naveen K B	
235	Smart Crop Health Monitoring and Disease Prediction System using IoT and Machine Learning Mohideen Badhusa S, Gayatri C Bhagavantnavar, Akshath, Deeksha Subrahmanya Shet, Abhishek BK	1515
236	Bluetooth - Controlled Solar Grass Cutting and Water Sprinkling Machine Avantika Satish Bhosale, Dipali Rajendra Kale, Rahul Bibave, D. B. Pardeshi	1523
237	Enhanced Anomaly Detection in Wireless Sensor Networks using Isolation Forest, LSTM, and LSTM Autoencode S. Saraswathi, Dr S Selvakumar	1528
238	Design and Realization of a Multi-Level DC-AC Converter for High-Efficiency Power Conversion Rohan Khale, Rutuja Sangale, Sushant Kailashchandra Agrawal, Dipesh Pardeshi	1535
239	Efficient Power Converter using Solar System Abhijeet Kopare, Amolika Shinde, Sushant Agrawal, D. B. Pardeshi	1542
240	TentacAI - A Biomimetic Multimodal AI Soft Robot for Shallow Coral Reef Monitoring and Restoration Serena Gandhi	1548
241	Strategic Review of Quantum Capabilities in Military and National Cyber Defense Haitham Said Naseer ALSarmi	1556
242	IoT-Enabled Real-Time Ambulance Traffic Management and Patient Monitoring using MQTT Kalathiripi Rambabu, Dindigala Arjun, Jennarapu Sathwik, Kodi Swastik	1563
243	Recognition of False Reading in Energy Meter using Firebase Atul A. Gangurde, Swapnil D. Anap, G. Vijayakumar, D. B Pardeshi	1572
244	Cyber Physical System with Real-Time Gesture Recognition for ISL Translation A Afzal Pasha, Mohammed Ali Mohammed Al Sakkaf, Syeeda Aiemen Dania Saleem, N. Rakesh, HemaMalini B H, Laxmisagar H S	1577
245	A Framework for Secure Identity Management in E-Commerce Shopping and Transactions Sneha Ann Thomas, A. Sivakumar	1582
246	The Future of Software Testing Automation: Innovations, Challenges, and Emerging Alternatives Vaidehi Shah, Pranay Yadav	1588
247	Autonomous Underwater Mining Operations using Proximal Policy Optimization for Environmental Sustainability Dennis Surendar, Muneeruddin Mohammed, K. Preethi, Noor Ali Mohammed, R Geetha, C. Srinivasan	1594
248	AI-Driven Self-Healing in Test Automation: A Review of Autonomous Quality Assurance Sumit Abhichandani, Naga Ravi Teja Vadrevu, Vivek Bagmar	1601
249	Program Management in AI-Powered Retail Transformation: A Review Paper Rasik Borkar, Shailendra Shrivastava, Anant Agarwal, Ridhi Deora	1609
250	Energy Management with Secure Layered Energy Efficient (SLEE) Techniques for UAV based IoT Networks Rajashekar A, Dharamendra Chouhan, Anand R Umarji	1616
251	Streamlit-based AI for Multi-Disease Prediction Fashia Akther, Manoara Begum, Tanjim Mahmud, Abdurahim Boltayev, Abubokor Hanip, Mohammad Shahadat Hossain	1622

252	A Real-Time ECG Monitoring System based on Internet of Things for Diagnosing Cardiac Disorders Amala Justus Selvam M, Inbamalar T M, Anna Devi E, Lokesh Ram A, Athul V G, Dhinakaran T	1629
253	Design of Dual Element MIMO Fractal Antenna for 5G Sub-6GHz N77/N78/N79 and Military Radar System Applications K. Vijayakumar, S. Alamelu alias Rajasree, D. Solomon Jeya Pandian, G. Sathishkumar, V. Nagendran	1634
254	Rapid Sensing Mechanism to Detect Chemicals to Prevent Drugging Crime: Real-Time Monitoring and Smart Alerts Hamsalekha R, Mahesh V Cholin, Nagaraju N K	1640
255	Automated Damage Detection and Repair Cost Estimation for Automobiles Pindi Lokeswari, G. Kranthi Kumar, Yammanuru Tejaswini	1645
256	Smart Bike Security System with Alcohol Detection and GPS Tracking Sanjai Ragunath M, Premalatha H M	1653
257	AgroVision-IoT-Driven Smart Farming Srinidhi M K, Premalatha H M	1661
258	Smart Vehicle Headlight Auto Switching and Intensity Control Shobana S, Manoharan S, Bathala Harinath, Praveen Kumar G, Gogula Amarnath	1672
259	Multiple Transformer Oil Temperature Monitoring and Controlling through Internet of Things Shobana S, Manoharan S, Anuragh R, Nandhu Gokul G, Rajesh R	1678
260	Evaluation of the Performance of Three Phase Neutral Point Clamped Inverter Arokia Mary Caroline. P, M Shanthi, Job Babu, Sabari Das. V, Sumithra. R	1683
261	Road Divider based Dynamic Wireless EV Charging System with Smart Vehicle Detection Devika M, Nagarajan D, Gonugunta Akhil Kumar, Kuppala Praveen Kumar	1686
262	Sustainable Irrigation System using Solar Panel Tracking and IoT Integration Satheesh R, Ajanya Stephy A, Mohammad Salman M, Arya Mohan	1694
263	An Intelligent Solar Panel Tracking System with Optimization Technique using AI Guruvaran K, Fazil J, Prajin AP, Prajitha P	1700
264	IoT based Health Monitoring System using Optimized Hybrid Quantum–Classical Generative Adversarial Networks Chitra Kiran. N, Vipashi Kansal, Gurusigaamani Ayyanar Muthulingam, Manju S, Apurv Verma, Manzoore Elahi M. Soudagar	1708
265	Performance Analysis and Evaluation of 2×2 MIMO using NI USRP-2920 and LabVIEW Gaurav Soni, Sonam Sharma, Gurwinder Singh, Ranjan Walia	1714