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## **Table of Contents**

<b>S. No</b>	<b>Paper Title/ Author Names</b>	<b>Page. No</b>
1	A Federated Learning Approach to Intrusion Detection in Software-Defined Networks Santhosh Voruganti, Sairam Utukuru, Sravyasri Shambuni, Yeshwanth Valishetti, Hruthwik Sai Mote	1
2	Reinforcement Learning-based Greedy Multi-Hop Routing Protocol using for Optimizing WSN V. Sheela, P. Rathiga	6
3	Energy-Efficiency in Wireless Sensor Networks: A Critical Assessment of Recent Developments Karthikeyan. B, Manikandan. S, Sengaliappan. M, Ponselker. P, Gowri. G. S	15
4	Vehicle Accident Alerting and Monitoring with IoT-based Data Analytics Ramchandra Lambor, Abhay Jadhao, Tejasvi Nandane, Mahesh Gaikwad, Manjusha Kanawade, Sujata More	22
5	Dual-Band NavIC Antenna for Radio Determination Satellite Service with Right-Hand Circular Polarization A. Yazhini, A. Rajesh, James A. Baskaradas, G. Suguna, C. Srikamu, Manikandan Chinnusami	27
6	Study on Essential Requirements of Microstrip Patch Antennas for Wearable Applications bhavya Pratap Singh, Shobha Raghav	32
7	Deep Learning-Powered UAV Surveillance for Automated Pest Control in Smart Farms Vinay Bharadwaja, Spoorthi BN, Padma MT, Rajarshi Tarafdar, S. Santiago, B. Jegajothi	37
8	IoT-Driven Smart Home Energy Optimization and Safety System Adline Priya G, Karun Karthick C, Dinesh K, Naveen S, Priyadharshan S	44
9	High-Performance MIMO Antenna Design for Vehicular Applications in Millimeter-Wave Frequency Band Saranya Durairaj, Rajesh Anbazhagan	50
10	Compact 9-Level Double Boost Inverter (C9IDBI) with SPWM Control M. Charishma, V. Arun	56
11	End-to-End 5G Simulator Framework for Diverse Network KPI Simulation and Testing Selvaganesh M, S Jayanthi, Sakthi Kumar S, Manjunatha Sathish A, Sabarisan K M, Senthamil Arasi T	61
12	LSTM-based Malware Classification using Bytecode and Opcode Features for IoT Security. M. Subhameena, A. Rajesh, A. Packialatha, Thilakavathy P, A. Banushri	68
13	Prediction of Multiple Faults in DC Machine After Model Training with Machine Learning Siddhartha Srivastava, Sachin Singh, Dinesh Prasad	76
14	Power-Efficient SoC Interconnect Design with OEFNSC and Clock Gating M. Kumar, T. Gobinath, C. Arun, A. Sivaramkrishnan, P. Abisekar	81
15	A Comprehensive Review of Data-Driven Wireless Communications: A Survey of ML-based Approaches	87

	Abhijith Kotian, Reshna Nandipi, Anusha K N, Apoorva Kamane, Apoorva, Arun.	
16	Detailed Study of Versatile Video Coding (VVC) Standard and its Use Cases in Real-Time Systems Arunadevi A, Jaisiva S, Mythile C, Sudhapriya K, Niranjana C. P	93
17	Secure and Decentralized Inter-Organizational File Sharing using Attribute-based Encryption and Blockchain Technology S. Viharika, Nadimpalli Vaishnavi, Muthyam Navya, Gollapalli Vaishnavi, Mohammed Rubiyan Moosa	100
18	Deep Learning-based Wind Speed Forecasting for Enhanced Smart Grid Efficiency and Stability K. S. Bharaty, Praveen SR Konduri	108
19	Hybrid Temporal-Spatial Energy Prediction in Wireless Sensor Networks using Transformer and Graph Neural Network Models Sivakumar Depuru, P Jayachandra Reddy, S M Rafi, K. Amala, Akshaya V, Kovili Lakshmi Siri	114
20	Gaussian Weight Black Widow Optimization based Feature Selection and Deep Learning for Botnet Attack Detection in IoT Healthcare Systems B. Praveena, A. Devi	119
21	Real-Time Human Identification and Crowd Management using AI and IoT Kandula Sai Mahith, Medidi Sampath, Pinnam Lalitesh, Tata Jagannadha Swamy	127
22	Sensor-Enabled Smart Footwear for the Visually Impaired Krisha Chawan, Dhriti Kothari, Vipul Gohil	133
23	Blockchain-Powered NLP and ML Framework for Reliable Event Identification and Trust Validation V. Gopikrishna, M. Deeksha, K. Nandhini, H. Vaishnavi, U. Manisha	138
24	Convolutional Neural Network for Advanced Intrusion Detection for Data Balancing on System Efficiency Pandigunta Tharun, R, Sumathi, S Manjula, Repakula Sai Charan, Atmakuru Dhanush Saran, Mondem Lokeshwar Reddy	145
25	Enhanced Blockchain Interoperability Through Hyperledger Fabric and Sha-256 Gokulraj S, Gokila K M	153
26	Design and Performance Analysis of Sierpinski Carpet Fractal Patch Antenna for ISM Band Applications Jolly Rajendran, Diya Mariyam Jino, Sandra Ponnu Saji, Soorya B, Liya Ann Jino	157
27	Adaptive Thermal Control using Dual Motors and PIC16F877A Microcontroller in Multi-Zone Environments Aditya Tiwari, Prathamesh Bhide, Vipul Gohil	161
28	Smart Agriculture Monitoring System: Integrating IoT and Deep Learning for Precision Crop Management and Water Quality Assessment Alex David S, Soundarya S, Aruna R	166
29	Congestion-Aware Traffic Management System using Inductive Loop Sensor C. Ramesh, D. Divyadharshini, B. Deepika, A. Balaakrishnan	172
30	Affective State Classification from EEG Signals using Wavelet-based Features and Support Vector Machine Niharika Gudikandula, Ravichander Janapati, Rakesh Sengupta	178
31	The Design and Comparative Evaluation of a 10nm FD-SOI FINFET Under Variation using Single-k and Dual-k Dielectric Spacers Modem Vaishnavi, Valiveti Hima Bindu, Veera Venkata Sai Amudalapalli	185
32	Smart Water Quality Monitoring System using Optical Sensor	190

	K. Jyothi Prasanna, Vijaya Lakshmi Korupu, M. Siva Prasad, Mohammed Afrin, K. Bharath Kumar	
33	Design and Comparative Analysis of 10nm Nanosheet-FinFET and FinFET with Dual Dielectric Spacer Under Varying Doping Concentrations Naidi Srujan Kumar, Ch. Usha Kumari	196
34	Comparative Analysis of Scheduling Algorithms in Real Time Systems Gurupriya M, Vedha Pranava M, Lahari P, Sumanjali S, Manjunath R	201
35	IoT-based Network Intruder Detection and Cyber Attack Prediction System Kalaiselvi B, Kathiravan P, Kaviyarasan V, Sabarinathan E, Sudharsan S	206
36	Logic Network Circuits for Neural Network Realization in Machine Learning Application using Graphene Nano Ribbon Field Effect Transistors Surya Prakash Reddy Polukallu, A. Kishore Kumar	212
37	Design and Analysis of Model Predictive Controlled KY Boost Converter Fed PMDC Motor for Solar Pump Applications R. Suganya, R. Dharshan Sethuram, R. Revathy, B. Balaji	219
38	Analysis of Delay Differential Equations using Signal Processing in RADAR System G. Veerabathiran, G. Jagan kumar	225
39	Self-Complementary Archimedean Spiral UHF Antenna for Partial Discharge Detection with Parallelogram Geometry Feed S. Mohamed Ghouse, Manikandan Chinnusami, Rajesh A, Gokulnath S, Sharmila S, Pradyumnan P	231
40	Stability Analyses of a Multifunctional PV and Battery Integrated UPQC System B. Balaji, P. Hemalatha, S. Hariharan, R. Suganya	236
41	Harnessing Quantum Attention: A Hybrid Deep Network for Wearable Sensor-based Activity Recognition Purushotham Endla, Asha S, Sravanthi Sallaram, Jayendra Gopal Thatipudi, V. Tejasri, S. Gopi	244
42	High Performance 64-bit MAC Unit for DSP Applications Indupuru Thrivikrama Reddy, Bheshaj Sai Suresha, S. Ravi	252
43	Design and Analysis of a Compact Multiband Microstrip Patch Antenna for Sub-6 Ghz 5G Applications Sachin Khade, Minal Ghute, Saloni Kondalkar, Kanak Borkar, Purna Raut, Vaibhavi Raghataate	258
44	A Decentralized and Secure Blockchain-IPFS Framework for Efficient Data Storage in Web3 Sonali Sharma, Shilpi Sharma, Tanupriya Choudhury	263
45	Design and Implementation of a Bidirectional Fast Charging Station for Electric Vehicles using Grid-Tied Power Converters S. Sathish Kumar, P. Balamurugan, S. E. Murthy, S. Hariprasath, S. Senthil Kumar, Thiyagarajan Jayaraman	270
46	High-Efficiency Inductive Charging for EVs with Integrated Thermal Safety and Foreign Object Debris Mitigation R. Sarath Kumar, Akash S, Dharshini M, Abikumar S	277
47	Design and Performance Evaluation of I <sup>2</sup> C and AMBA AXI Protocols for Embedded System Integration G Siva Sankar Varma, Barala Naveen, Pakala Rishik Reddy, Nand Priyanka	286
48	A Secure and Scalable IoT Architecture for Smart Energy Monitoring in Urban Infrastructure S. Sathish Kumar, S. Vasanthi, P. Balakrishnan, S. Gowtham, S. Senthil Kumar, Yuvaraja Thangavel	291
49	IoT-based Industrial Scada System for Real-Time Monitoring and Automated Alerts	299

	G. Mahammed Rafi, U. Prakyath Reddy, P. Pratheep, D Praveen Kumar	
50	IoT-Assisted Autonomous Urban Delivery Vehicles using Random Forest for Intelligent Logistics Planning B. Gopi, D. Muthukumaran, V. Bini Marin, A. Senthil Murugan, M. Rajeshwari, S. Sujatha	305
51	IoT-Driven Autonomous Maritime Vessels with Reinforcement Learning for Navigation and Safety Improvements Elavel Visuvanathan G, S. Murugan, N. Arunfred, Pregya Poonia, S. Arun Prakash, Shibin C S	311
52	Intelligent Gesture-based Robotic System with MEMS and RF Technology for Enhanced Motion Control using ESP32 CAM B. Koteswar Rao, Akanksha Maddala, Aishwarya Mangali	317
53	Integrated Ensemble Framework for using Strain Gauges and Accelerometers to Monitor Building Stability in Real Time Sowmiya R, Revathi P, P. Selva Rathinam, Dhavamani S, Gowrisanker M, Kalaivani T	324
54	Blockchain-Federated Learning based Architecture for Android Malware Detection Monalisa Maity, Priya Chaudhary, Ishita Gupta, Anshul Arora	330
55	Automotive Electric Vehicle Charging Facilities: A Survey of Levels, Connectors and Modes Technologies for Sustainable Mobility V. Vijayageetha, N. Shanmugavadivoo, G. Sivasankar	336
56	Design and Implementation of Adaptive Regenerative Braking for Electric Two – Wheelers on Sloped Roads B Ramraj, Kabilan G, Kavin M, Nithish G	343
57	Real-Time IoT-based Control and Monitoring System for Drinking Water Pipelines M. Jothi, Srinevasan M, Vijay M, Selva Vishnu M, Vikram L	351
58	Wireless Power and Smart Battery Management for Next-Generation Pacemakers Akashvel A, Harishragavendar E, Krishnakumar V	356
59	Edge Computing for Agricultural Monitoring: A Bandwidth-Efficient IoT Approach for Real-Time Sensor Data Analysis Vaitla Sreedevi, Vibha Kulkarni, Dhruva R. Rinku, V. Jyothi, S. Kanakaprabha, P. Varapasada Rao	361
60	Blockchain-based Energy Trading Platform for P2P Renewable Energy Sharing Annie Silviya S. H, Prethisha V, Keerthana S, Sriman B, Karthick S, P Jayalakshmi	367
61	Intelligent Obesity Pattern Prediction using Machine Learning: Applications in Automated Health Analytics Samuel-Soma M. Ajibade, Muhammed Basheer Jasser, Lee Wei San, Verena Atud Achick-Muyy, Usha Moorthy, Sathishkumar V E	374
62	Non-Invasive Brain Tumor Localization using a UWB Circular Patch Antenna System Rama Lakshmi Gali, Modugamudi Laasya, Vineela Kandarpa, Swati Inti, Sri Bandana Jaggannagari	380
63	A Bioinspired Swarm Intelligence based Spectrum Sharing in Cognitive Radio for Efficient Utilization of Frequency Spectrum E. Divyalakshmi, D. Rajkumar	388
64	Multi-Delay Differential Equation Analysis of Micro-Stepping in Stepper Motor Applications G. Veerabathiran, G. Jagan kumar	395
65	Exploring Energy-Efficient Routing in IoT-based WSNs: A WoS	401

	Bibliometric-based Review Pawan Kumar, Anil Sharma, Richa Grover, Neeraj Kumar, Vikas Kuchhal, Sukhdip Singh	
66	Transparent and Secure Supply Chain Tracking Vijay Varshan Raj G J, Dineshraj M, Chitradevi D, Selva P, Sriram N.	407
67	Real-Time Driver Drowsiness Detection System using IoT-based Physiological Monitoring and Web Interface K. Sambath Kumar, Omprakash Gurrupu, J. Prabhakaran, CH. Bhavani, D. Madhavi Latha, Lakkakula Kavya	412
68	Hybrid Bee-Ant Colony Model for Real-Time Network Resource Allocation in 6G Environments Satyanarayana Nimmala, K Purushotham, T Suvarna Kumari, Guguloth Ravi, M Arivukarasi, Nithisha J	417
69	Edge based Autoencoder XGBoost Framework to Enhance IoT Security Against Dos Attack P. Sivakumar, Jeyaselvi. M	424
70	Bio-Inspired based Random Forest Approach for Depth based Routing in Underwater Sensor Networks Shilpa chuadhari, Aisiri K S, Manjula Chougala, Sahana. V	430
71	Lightweight Cryptography for IoMT: A Survey on Node Authentication and Access Control Techniques for Attack Detection Divya Midhun Chakkaravarthy, V. Pavani, V. Lakshman Narayana	437
72	Integrative Approaches in Modern Agriculture: Leveraging IoT and Deep Learning for Plant Disease Forecasting Under Climate Change Swapna Kadam, C. L. Monica, Madhava Katakam, Kamlesh Kelwade, Durai Murugan A, Gourav Kalra	445
73	A Dynamic Threshold Approach to EdDSA for Secure IoT Transactions on Blockchain Networks Dasari Anusha, Divya Gudibandla, Venkata Kishore Kumar Rejeti, Battula Sowjanya, Jagadeeswara Rao Paliseti, Shaik Johny Basha	451
74	Smartguard: An IoT-based Home Surveillance System using ESP32-Cam and Telegram G Jibin, H Shihabudeen, S Vignesh, A Akhil, V K Deepak, P M Juliemol	458
75	A Probabilistic Approach to Predicting Energy Consumption in Wireless Sensor Networks using a Random Forest and SVM-based Model Neeraja B, Sonali R. Nandanwar, Amit Joshi, M. Vijaya Bhaskar, Dharamvir, Jamuna Deepakraj	464
76	IoT-based Water Quality Monitoring using ESP32 Sampathirao Govinda Rao, Durga Sri Harshitha B, Tirukutchu Modhita, V. Vijaya Rama Raju, Srungaram Vasundhara, P. Vijaya Lakshmi	470
77	IoT-based Health Monitoring System for Elderly and Physically Challenged People Sruthi P, Simhadri M, Naveed Ali M, Ch Vidyadhari, Karumuru Swathi, U. Vijay Kumar	477
78	Detection of Faults in Power Microgrid using Machine Learning Approaches R. P. Ram Kumar, P. N. V. Sai Krishna, M. A. Arbaaz, A. Anitha Lakshmi, Golconda Raj Kumar, G. Nageswara Rao	484
79	Deep Learning-based Coral Reef Monitoring using UAV Imagery Dasari Sai Niharika, Tarun B, Pittala Venkata Nikith Varma, A. Anitha Lakshmi, Maddi Yashwanth Kumar, M. Revathi	491
80	Design and Development of Human Detection Robot for Disaster Areas using IoT R. Bhuvaneswari, Avula malla Reddy, Putchakayala Divya Sree, Kalepalli	498

	kranthi, Gurram Kavya, Vulli Prem Kumar	
81	The Evolving Landscape of Network Threats: Classification, Defense Challenges, and Future Directions Nabanita Roy, Raj Gaurang Tiwari, Sangita Roy, Ambuj Kumar Agarwal, Amit Garg, Neema Gupta	504
82	An Advanced Hierarchical Federated Learning-based Framework for IoMT Cybersecurity Threat Detection Sathyapriya Loganathan, D. Manivannan	511
83	Feedforward Neural Network for Real-Time Prediction of Lakatan Banana Shelf Life using Sensor Data from Transport Conditions Marianne Karylle C. Felix, Jose Carlo David C. Ocampo, Jennifer C. Dela Cruz	518
84	Smart Surgical Tool Detection Verification System to Prevent Operating Room Medical Errors using ML & 5G Technology Jayashree Agarkhed, Chinnayya Math, Pavan Madale, Laxmikanth Kulkarni, Harsha Biradar, S. R. Patil	525
85	IoT-Powered Future-Proof Smart Windows: Revolutionizing Modern Lifestyle Nivishna S, Parves Mohammed, Arun A, Kalaiarasan R, Murugan A, Selvarathi C	531
86	Smart Solutions using Blockchain-Powered Property Booking System R. Lalitha, A. Preethi, K. Rakesh, Dharani V, Manju C Nair	539
87	Clustering Student Performance Data using K-Means in Educational Data Mining Pinaki Pratim Acharjya, Moumita Das, Rajrupa Metia, Mahuya Sasmal, Sougata Sikdar, Sk Hojayfa Rahaman	544
88	ExDark-DETR: Enhancing Object Detection in Low-Light Images using a Transformer-based Framework Shraddha Gugulothu, Dinesh B. Bhoyar	550
89	Transfer Learning Technique for Feature Extraction of Human Activity Recognition Harish Kumar S R, K Somasundaram	555
90	Smart Optimization of Electricity Retail Plans based on Customer Response in the Spot Market C. Venkatesh Kumar, Mogana Sri K, Neraimathi S	561
91	A MobileNet-Grad-Cam Framework for Visualizing and Interpreting Dermatological Image Classifications M. Revathy, Ashajanet R, Surdhika N, Srinath R	569
92	REDACT: PII Redaction and Privacy Protection with Ollama Integration Mohamad Aasif, Azhaguramyaa VR, Mrinalini K, Madhu Priya	577
93	Secured and Advanced Image Steganography for Mobile Multimedia Security Purva Patil, Abana Jose, Ketki Modak, Sanatanu Patil, Ajay Sirsat	584
94	A Survey on Agricultural Precision with Deep Learning-Driven Satellite Image Analysis: A Multi-Temporal, Multi-Spectral Approach Parisuddha Babu Kanaparthi, Akila Venkatesan	591
95	A Comparative Study of Time Series Models for Real Estate Market Forecasting K. S. Kalaivani, S. Kayalvili, Mohamed Bilal Z H, Dhanush M, Gowtham M	599
96	Advancing Brain Tumor and Neurofibromatosis Diagnosis with Deep Learning Models Nandhinidevi S, Kishore D, Dharanesh R, Roshan J, Naveen L	608
97	Exploring the Intersection of Generative AI and Emerging Network	614

	Technologies Palanichamy Manikandan	
98	OCNN Classification Model Framework: A System for Classifying Alzheimers Disease from sMRI Images V. Santhosh Kumar, B. Lanitha	620
99	Benchmarking Machine Learning Models for CKD Prediction: A Focus on the Superiority of Gradient Boosting (GBM) Nita Dakhare, Shailesh Gahane	628
100	Clustering Techniques for Machine Learning with Electronic Healthcare Data M. Ram Prasath, G. Ravishankar, K. Rajesh Kumar, M. Preethi Ram, M. Stella Inba Mary, S. Jeya Lakshmi	632
101	Fuzzy Logic based Vehicle-to-Grid Optimization for Electric Vehicle Varun Sharma, Sandeep Kumar Sunori, Amit Mittal, Pradeep Juneja	637
102	Development of an Intelligent Transportation System for Next-Gen AI Chevella Anil Kumar, Vinay Kumar Chikoti, Juluru Ramsai, Katla Arun Kumar, Sree ram Gandla, Rana Eswar Surya	644
103	Super-Resolution with Vision Transformers (SwinIR) for Low-Resolution CCTV Image Enhancement Anandh R, Vishal G P, Harishwar G, Viknesh V	650
104	Development of Deep Learning Models for Improvised Explosive Devices Detection V. Naveen Kumar, MD. Karimunnisa, G. Harshita	657
105	Multi-Modal Deep Learning for Comprehensive Polarity Detection and Sentiment Analysis Rajalaxmi Hegde, Sandeep kumar Hegde	663
106	Performance Modelling of Evolutionary Algorithms for Task Scheduling in Cloud Computing D B Srinivas, Manasa R Kumar, Vidhya Shree H, Navya Shree G A, Shivani Naik	669
107	LLM Powered News Research Tool for Insight Extraction Lalitha Somasundharam, Chinthala Harsha Vardhan, Sagi Bhimeswara Akshay Varma, Koyya Manjunadha Swamy	675
108	Detection of Multiple Retinal Diseases using a Pretrained Convolutional Neural Network Model P. Ramya, Shona S, Varshini S, Vinothini S, Sumjana Y	683
109	Innovative Hybrid Machine Learning Approaches for Oil Spill Forecasting E. Kamalanaban, J. Senthil Murugan, A. Jahir Husain, R. Aathavan, B. Akhil	690
110	Drone-Sourced Crop Segmentation and Analysis System with U-Net Deep Learning and Streamlit Visualization Mohamed Thaha M, Salaja Silas, G. Jasper W. Kathrine	695
111	Emotional Intelligence: Between Human Agency and Algorithmic Determinism Ashwani Kumar, Naseer Ahmad Lone, Vikas Bhandari, Ranjana Sharma, Chetan Trivedi	702
112	Alzheimer Disease Prediction using Deep Learning K. Saraswathi, Harita T, Neha Parveen N, Vibinikha E M	708
113	Indian Sign Language Translation using Bidirectional Encoder Representations from Transformers (BERT) Krishnapriya P S, G. Purushoath, Harichand Manoj, Divya Bisht, Noel Siby	717
114	Multi Class Classification for Pox Disease using Deep Learning S. Kalaiselvi, V. Aravind Kanna, R. S. Gagan, G. Y. Nadish	722
115	Design and Implementation of IMPA-ResNet50: A Hybrid Deep Learning	728

	Model for Liver Cancer Detection Sofia. R, S. Yazhinian, Heresh, M, Shakthiswaran. M, Mathew Samuel. S, Savitha Srivarshini. V	
116	Fixed-Point Quantization of Deep Convolutional Networks using Low-Precision Arithmetic for Efficient Computation Mythile C, Jaisiva S, Arunadevi A, Sudhapriya K	733
117	Comparative Study of Deep Learning Models for Sentiment Classification in Youtube Comments S. Viharika, N. Hiranmayee, B. Srilatha, S. Chandu, U. Nagendra	739
118	Hybrid Authentication Model using Adaptive Authentication and Post Quantum Cryptographic Biometric Encryption Jiya Chirag Patel, Kaashvi R, Sarasvathi V, Sheela Devi M	746
119	AI-Driven Threat Intelligence using Graph Neural Networks for Advanced Cybersecurity Defense Ramana Rajendran, Venkata pavan kumar reddy Chintham, R. Beulah Jeyavathana, Vamsi Krishna Chidipothu, Venu Karunanithi, B. Jegajothi	752
120	Quantum-Augmented Framework for Noise Reduction and Contrast Enhancement in OCT Imaging for Early Retinal Disease Detection V. Praveen Kumar, Pramoda Patro	759
121	A Deep Learning Approach to Classify Spam URLs Data using MLP Jabeen Sultana, Tamanna Siddiqui	767
122	A Study on Human Activity Recognition using CNN and LSTM Tarunima Chatterjee, Pinaki Pratim Acharjya	774
123	Phishing Threat Landscape: An Overview of Attack Patterns and Preventive Measures Deepti Maheshwari, Shailesh Gahane	780
124	Enhancing Emotion Detection in Social Media with A Generative AI Approach to Analyzing Twitter Reviews V Nitin, N Enoch Das, E Meghana Sahithi, T Santhosh, K Tarun Sai	787
125	Forecasting the Intensity of Road Traffic Collisions using Machine Learning Algorithms M. Rithickroshan, T. Deepika, R. Madhana, R. Kesavan, R. Saravanakumar, S. Jeya Lakshmi	795
126	Hybrid Spectral-Attentive Network for Enhanced Raman-based Oral Cancer Detection Dipali Wankhade, Shailesh Gahane, Mrunal Meshram	803
127	Hybrid GNN-LSTM Model for Real-Time Supply Chain Risk Prediction Farzhana. I, Dev Harhol L, Shreyas S, Dev Harris L	810
128	Multimodal Sentiment Analysis using Deep Learning and Transformers on Textual and Emojis based Social Media Inputs K. Saraswathi, N. T. Renukadevi, Dharanidharan. A, Ranjith kumar. K, Manoj Kumar. S	817
129	Optimize Convolution Neural Network for Rice Leaf Disease Classification Digvijaysinh Rathod, Apoorva A Shah, Manisha Makwana	823
130	Effective Load Balancing with Adaptive Task Scheduling in the Cloud using the Weighted-Priority Approach Nimmy Francis, N. V. Balaji	829
131	A Hybrid Deep Learning Model for Potato Leaf Disease Classification using Transfer Learning and Attention Mechanism T. Illakiya, Allen Vinster Joel, Namita Dushyant Nahata, Sai Sukumar, S. Prince Chelladurai	837
132	A Contactless Real-Time System for Heart and Breathing Rate Estimation using Phase-based Video Motion Processing and Deep Learning P. Chandini, K. Deekshitha Reddy, R. Vinod Sagar, E. Lalith Raj, K.	843

	Haasini, N. V. Rajasekhar Reddy	
133	A Novel Vision Transformer Approach with Adaptive Segmentation for Early Plant Disease Detection Vaishnavi Veruva, Yadla Yogesh, Vallepu Sai Soumya, Madas Vivek, Vivek Duraivelu	851
134	Detection of Multi-Categories Distributed Denial-of-Service (DDoS) Attacks using Visual Attributes Rutvij Upadhyay, Shivam Upadhyay, Manisha Makwana	857
135	Transfer Learning-Driven GAN Architecture for Enhanced Video Stabilization in Complex Motion Scenarios Siva Ranjani C K, Mahaboob Basha S	863
136	Interpretable MPA-Optimized ShuffleNetV2 for Plant Health Assessment Bappaditya Das, Anirban Bose, Amitabha Mandal, Chandan Das, Arpita Mazumdar, Ajeet Singh	870
137	Enhancing Assessments: A Comparative Study of T5 and BART Transformer for QG Sivakamasundari G, Preetha P	877
138	Forecasting Obesity and Customized Nutrition Planning using KNN and Linear Regression Models for Higher Accuracy Vineetha B, Surendran R, Logapriya E	884
139	Uncertainty and Explainability in AI for Chronic Kidney Disease: A Comprehensive Review Arasavilli Kusuma, Pothuraju Raju, Bellamgubba Anoch, Ramesh Babu Mallela, Anuj Rapaka, Kiran Sree Pokkuluri	890
140	Interpretable Deep Learning for Bone Cancer Diagnosis: An Explainable AI Perspective Riya P Reji, Devika Shine, Remya Nair T	897
141	A Comprehensive Review on Predicting Specific Substructures in the Brainstem using Deep Learning Techniques K. Srinivasa Reddy, G. Revathy	903
142	An Optimized CNN-based Transfer Learning Approach for Rice Leaf Disease Classification Anoch Bellamgubba, Bandaruplli Lakshmikanth, Radhika Manukonda, Mondithoka Prasanna Kumar, Chandaluri Naveen, Anil Kumar Korrapati	911
143	A Vision-based Framework for Automatic Accident Recognition and Emergency Notification Rowthu Neelima, Naresh Kumar Bhagavatham, V T Ram Pavan Kumar M, P V V S D Nagendrudu, Syed Muqthadar Ali, SriHarsha Vikruthi	917
144	Pneumonia Prediction in Elderly Diabetic Patients: A Survey Janardhan Reddy D, Lokaiah Pullagura	924
145	Monkey Species Classification using Fine-Grained Vision Transformers and Transfer Learning Prabhat Verma, Vartika Jain, Tanupriya Choudhury, Minakshi	930
146	AI-Powered Dynamic Task Scheduling and Optimization for Robotic Clouds with Chebyshev Chaotic Descent and DRL Venkata Surya Teja Gollapalli, Guman Singh Chauhan, Kannan Srinivasan, Rahul Jadon, Rajababu Budda, Thanjaivadivel M	937
147	Toward Sustainable AI: A Review of Energy-Efficient Large Language Models Bhanu Kaushik, Aman Taneja, Sonika Dahiya	944
148	A Comparative Analysis of Pre-Trained CNN Models for Skin Cancer Classification Sandeep Bhatia, Shaiwal Sharma, Subhanshu Chaurasia, R. V. S. Bhadauria, Harshil Aron	952

149	A Dual-Layer Security Framework for Protecting Sensitive Medical Data in Digital Images Subhabrata Khara, Sabyasachi Pramanik, Debabrata Samanta	958
150	Anomaly-Aware Customer Segmentation using GMM and t-SNE Dimensionality Reduction Sangavi N, Kiruthika V R, Jeevitha D, Shalini D.	964
151	Leveraging Attention ResUNET for Accurate Brain Tumor Segmentation Sri Hari Gupta K, Sufanpreet Kaur	969
152	Pneumonia Detection from Chest X-Rays using AAPSO and DPAMPSO Subba Reddy Chavva, Harish Koda, Bindu Sri Katuri	975
153	Real-Time Deepfake Detection using A Hybrid MobileNet-LSTM Model for Image and Video Analysis S. Ambika, Yerramsetty Harini, B. R. Sumanth	981
154	Transforming Road Infrastructure Management: A Multimodal Road Quality Rating System Ajjay Adhithya V, Praveen S Kumar, John Kevin P, Kirankumar Manivannan	987
155	Addressing Imbalanced Data in Thyroid Disorder Diagnosis: A Novel Balancing Method and Hybrid Classifier Pothuraju Raju, Bellamgubba Anoch, Gottala Surendra Kumar, Ramesh Babu Mallela, Thammuluri Rajesh, Ongole Pranathi Sudha	995
156	Right Ventricle Cardiac MRI Segmentation using U2Net: Advancing Automated Cardiac Diagnostics Through Deep Learning Dhruv Iyer, Anupama Bhan	1003
157	A Deep Learning Approach for Food Recognition and Nutritional Analysis Parvathavarthini S, Madhuretha R, Subashree N K, Vishnupriya M, Divya K	1010
158	Real-Time Vegetable Classification for Smart Retail and Agriculture using Edge Impulse A. Pravallika, Ch. Anil Kumar, A. Srinu, G. Niharika, N. Kalyani	1018
159	A Comparative Study of Various LSTM Models for Stock Market Time Series Classification Divyani Gupta, Namrata Dhanda, Kapil Kumar Gupta	1024
160	Cuckoo Search-Optimized Residual Networks for Identification of Diabetic Foot Ulcers Haritha T, Vinoth M, Ramyarani N, Venkatesh Babu S, Harishchander Anandaram, Keerthana N V	1030
161	A Hierarchical Pipelined Leading Zero Counter (LZC) for RSA Cryptographic Acceleration M. Selvaganesh, Rama Shri B, Ramya S, Samikshaa G	1036
162	Potato Plant Disease Detection from Leaf Images: A Study with Deep Transfer Learning and Features Fusion C. Venkateshkumar, T. Babu, M. Suresh, R. Santhosh, S. Prabha	1040
163	Enhanced Hybrid Intrusion Detection System using PSO-Optimized CNN Architecture Parthiban Aravamudhan, Pavithra. P, Yasir Ahmed. R, Janani Sri. V, Sanjay T, Kishore V	1045
164	KNN and Naive Bayes for Improved Accuracy in Obesity Prediction and Tailored Nutrition Plans Vineetha B, Surendran R, Raveena S	1051
165	Hybrid Video Stabilization using Reinforcement Learning and RNNs for Surveillance Applications Siva Ranjani C K, Mahaboob Basha S	1056
166	Misinformation Detection in Social Media using Advanced Transformer-	1063

	based Models Through BERT and XLNet Mudunuri Jyothi Sri, Anuj Rapaka, M. Prasad, Raja Rao PBV, P. J R Shalem Raju, P Kiran Sree	
167	Integrated Machine Learning and Rule-based Approach for Accurate Money Laundering Detection in Banking V. Gopikrishna, D. Srinidhi, S. Roshith, Ch. RamaKrishna, A. SaiKrishna	1069
168	Enhancing Data Privacy and Security in Online Interaction through Federated Learning and Differential Privacy Aravind A. O, N. Rajkumar	1076
169	An Efficient Model for Multi-Label Ocular Disease Classification using Fundus Images based on Attention-based Multiscale MobileNet R. Merlin, F. Vincy Lloyd	1083
170	Chebyshev Hiking Optimization with Squeeze Excitation Depthwise Dilated ResNet based IT Professional Performance Analysis Yuvapriya P, Subramanian P, Surendran R	1091
171	Explainable Graph-based Reinforcement Learning for Intrusion Detection in Cybersecurity Arun Kumar B S, Rathnakar Achary	1098
172	A Unified Threat Intelligence Framework using FTLMS for Proactive IoT Security in Cloud Environments Kamalavalli T, Barakkath Nisha U, Yasir Abdullah R	1105
173	Brain Age Prediction using T1 Weighted MRI Scan on 3D Convolutional Neural Network K. Rajasathiya, A. S. Malini, K. Madhubala, P. Thiruselvan	1113
174	TinyML-Powered Predictive Maintenance Framework on Resource- Constrained Devices: A Blended Learning Approach Salini S M, Geetha S	1119
175	A Comparative Analysis of OpenMP and Cuda in Real-Time Applications Devesh Nahar, Mangalya D. Phaye, Ridima Garg, Anju Susan George, Chithra K	1127
176	The Integration of Artificial Intelligence and the Contributions of Behavioral Economics into Public Management in Morocco: Towards a Transformation of Administrative Practices and Public Decision-Making Rochdy Mohamed, Bouchta Bouasria, EL Aymn Jamal, Asmaa Mabchour, Ferroud Abderrahim, Marouane Mkik	1133
177	Deep Learning-Driven Detection of Lung and Colon Cancer via InceptionV3 Architecture Padmaja Kadiri, Yasoomkari Daddala, Kuraganti Santhi	1139
178	A Scalable Multi Modal Machine Learning Framework for Detecting Spam Content on Youtube and Fake Account on Facebook Vivek Kumar Jethani, Vibhakar Pathak, Vishal Shrivastava	1147
179	A Deep Learning-based Intrusion Detection Framework for Enhancing Network Security in Cloud Environments S. Swarajya Laxmi, Gumidelli Soujanya, Bandu Himabindu, M Nikitha	1154
180	A Review of GAN-based Methods for Image Translation and Caption Generation Revathi A R, Swetha Sriram, Lohithaa K M, Sanjana Sudarsan	1160
181	A Performance Evaluation of Transformer Models and Recurrent Neural Networks Models in Efficient Text Classification Tasks Babu Rao K, B Eswar Babu, Sathya Prakash Racharla, Pasupuleti Pavani, Yadaiah Balagoni, Mohan Ajmeera	1171
182	Improving Sepsis Mortality Prediction with Hybrid Ensemble Models and Optimized Machine Learning Techniques Smitha N, Tanuja R, SH Manjula, Mihir Sahu, Kunaljit Roy	1178

183	Analysis and Comparison of Machine Learning Models for Satellite Image Classification B. Divya, T. S. Subashini	1185
184	A Production Grade Hybrid Summarization System for Meetings: Combining T5 and BART for Improved Fluency and Contextual Accuracy Jagadeesh Kola, Sayee Phaneendhar Pasupuleti, Sree Harsha Palli, Sai Phaneendra Manikantesh Kodete, V Anjani Kranthi, V S N Murthy	1193
185	Enhancing Interpretability in CNN Models for Medical Imaging using Attention Maps S. Saraswathi	1201
186	Spatio-Temporal Machine Learning for Robust Urban Transit using a Chaos-based Approach R. Vaishnavi, K. S. Nikitha, Shruthi V, Mohana Sri, Ashwini V, Kalaiyarasi S	1209
187	A Novel Approach to Grape Leaf Disease Detection using GAN-Enhanced ResNet and EfficientNet Akash Badhan, Priyank Arora, Rishabh Garg, and Ramandeep Kaur	1217
188	Advanced Temporal Analysis for Deepfake Detection using XceptionNet in Media Forensics Kabilan M, Logeswaran S, Kubersrinivash S, Alfred Daniel J	1224
189	Securing the Cloud : Leveraging Deep Learning and ORCA Optimization for Enhanced IDS P. Pavithra, R. Kishore Kumar, M. Arul, S. Santhosh.	1229
190	A Comparative Study on Various Boosting Models Used in Parkinson's Disease Detection Anuraag Raj Narayan, Virender Ranga	1235
191	Evaluation and Performance of a Phishing Electronic Mail Detection Model Mohana Kumar S, Shankaramma, Nandini SB, Spandana L	1242
192	An Enhanced Genetic-based CIDE Framework for Scalable Anomaly Detection in Big Data Surya. P, Sudarsan. M, Thirumalaivasan G, R. Dhanapal	1247
193	Enhanced Migraine Diagnosis using ADASYN-based Balancing and Cluster-Assisted Feature Augmentation G. Naga Rama Devi, Mucha Swetha, A. Lakshmanarao, P. Anand Kumar, M. Kalidas, Naladi Ram Babu	1252
194	A Comprehensive Review of Human Disease Prediction Models using Machine Learning and Data Analytics B. Ragu, S. Perumal	1258
195	Stock Plus Advanced Goods Tracking System Akshaya Sri Harini S, Anne Isabel W, Chitradevi D, Nithyasri S, Sharmily A	1264
196	Curtaining Down Microarray based Small Round Blue Cell Tumor Classification Minu Mary Puthukkara Jose, Rajesh Reghunadhan	1269
197	Fusion Vector Investigation in AI-Powered Neural Networks V. Vadivu, Ganesan. V, Mohanraj. S, S. Sivaraman, B. Navaneetha, A. Tharmalingam	1273
198	Monitoring Water Changes using Sentinel-2 Imagery and Machine Learning Mundru SathvikBabu, T. Anuradha, Nuti Venkat Kiran	1278
199	A Hybrid Model Combining Random Forest and Bayesian Optimization for Plant Disease Diagnosis Ramesh Raman, Sangeetha Jayaraman, Priyanka Muruganandham	1282
200	A Hybrid Deep Learning Approach for Vehicle Detection and Image Segmentation in Autonomous Driving	1289

	K. Saiveena, P. Praveen	
201	Integration of Machine Learning and Large Language Models for Scalable Data Cleaning Shreya Dawale, Aryan Kumawat, Lokesh Mishra, D. Chitradevi, K. R. Saranya, Anupama Pendala	1295
202	Contextual Weighted Voting Ensemble for Enhanced Customer Behavior Prediction using Dynamic Attention based Model Fusion M. Anitha, R. Gomathi, M. Kalpana Devi, S. Geetha	1302
203	WSO: An Intelligent Metaheuristic Driven High Performance Task Scheduling in Cloud Computing Praveen Kumar Gopagoni, Santhosh Kumar Medishetti, Sarikonda Sree Hari Raju, Kota Siri Chandana, Matta Prashanth Reddy, Marella Vivek Vardhan Reddy	1310
204	Hybrid AI Framework for Structural Deviation Analysis of TP53 Mutations using Multi-Metric Learning Models Ashlin Reena. R, R. Dharaniya	1319
205	Evaluating and Evading Machine Learning Malware Detectors with Deep Q Learning Karthiga Jothi Preetha V, M. Dhilsath Fathima	1326
206	Prediction of Early Cancer using Novel Improved Elastic NET Regression Model based Optimization A. Elangovan, M. Nagarajan	1332
207	Wetland Classification based on Carbon Retention using Machine Learning Algorithm Anitha M, P Chitra, G Deepa Priya	1340
208	PKO: Energy and Makespan Aware Scheduling in Cloud Environment using Metaheuristic Algorithm Santhosh Kumar Medishetti, Rameshwaraiah Kurupati, Golamari Sravan Kumar, Nalavath Sai Charan, Minkikar Sai Krishna, Manchala Shiva Raj	1346
209	ABC: Optimizing Energy and VM Failure Rate for Task Scheduling in Cloud Computing Environment Rameshwaraiah Kurupati, Santhosh Kumar Medishetti, Golamari Sravan Kumar, Masuram Harshitha, Peddinti Maneesha, Yellu Navitha	1354
210	Integrative Modeling of Gene Expression and Immune Response using Deep Learning for Cervical Cancer Treatment Stratification S. Geeitha, P. Renuka, C. Kavitha, S. Umamaheswari, M. Shanmugham, S. Ramya	1362
211	Intelligent Classification System for Thyroid Disease Diagnosis using Medical Imaging Data with Extreme Learning Machine G Dency Flora, C Venkataramanan	1369
212	Sustainable Supplier Selection and Evaluation using Quaternion Attention-based Coupled Modular Neural Network Sindhu J Kumar, Zulaiha Maryam M	1376
213	Radial-Layered Procedural Dungeon Generation Prolay Biswas, Tejas KM, Sriram Puranik, Subrath Shrotriya, Kalyan Gogoi	1384
214	RAG-Enhanced Clinical Scheduling System with Named Entity-Aware Patient Workflow Optimization K. Gowtham, M. Akash, N. N. Gangadharan, J. Anitha	1391
215	An Ensemble Learning Approach to Predict Breast Cancer Disease Sara Ahmed, Meena Pundir, Paurav Goel	1397
216	Hybrid CNN-XGBoost Architecture for Predicting Chronic Kidney Disease from Clinical and Drug-Exposure Data R. Nithin Kumar, A. Umamageswari	1403
217	Assessing the Influence of Social Media on Higher Education using	1409

	Machine Learning Hybrid Models Davinder Paul Singh, Neha Agrawal, Dharani R, Sweta Priya, Aruna Thotapalli, Ratan Sarkar	
218	Automated Detection of Phishing Websites using URL and HTML Structure and Behavioral Data Profiling P. Vidyasri, S. Suresh	1415
219	Cognitive AI for Precision Medicine: Integrative Drug Recommendation through Intelligent Architectures K. Kavitha, M. Sivaraman, Yamasani Srinivas Reddy, N. Amsaveni, M. Umamaheswari, R. Ganga Devi	1422
220	AI-Driven Credit Scoring Model in Smarter Lending Decisions for Farmers Shilpa Cahudhari, Sushmita Manna, K Vadivel, Latha Kamatchi S	1429
221	Leveraging Predicting Multiple Diseases with Machine Learning Priyanka Bathla, G. S. Pradeep Ghantasala, Ravi Kumar Sachdeva, Nitika Bansal, Rajesh Sharma R, Akey Sungheetha	1434
222	Earthquake Risk Severity Prediction and Disaster Management using a Hybrid ARIMA-LSTM Model Vikram Madhukar Agone, Praveena Rao, Priyanka Saini, Nikhil N. Yokar, Rajanish Kumar Kaushal, S. Gokul Pran	1439
223	A Comparative Analysis of Deep Neural Networks for Classifying Breast Cancer using Thermography Venkatesan R, Durga Karthik, Menaka M	1445
224	An Experiment Measuring the Word Search Page with Different Search Engines Ashwanthika T, Gayathridevi R, Priyanka D, Venkatesan R, Durga Karthik	1451
225	Hybrid Bidirectional GRU Approach for Crop Yield Prediction and Climate Change Impact Assessment in Agriculture Monika M, Arun Kumar, Kamlesh Kelwade, Tegil J John, Krishna Prasad S, Tanaya Nerlekar	1458
226	Genetic Algorithm-Optimized Machine Learning Models for Soil Health Assessment in Dryland Wheat Cultivation S. Vasundhara, Sridhar A, Bandla Ramesh, Sunil Deshpande, Senthil Kumar D, Manu Y M	1464
227	Adaptive Curriculum Development in Higher Education using a CNN-LSTM-based Approach for Reliability and Performance Evaluation Geetha M N, Pallavi Kaul, Jenshya J, Jamila J, Saran Kumar A, S. Gokul Pran	1470
228	Smart Waste Management and Classification System for Smart Cities using Hybrid Random Forest and ANN Models Venkata Kiran Kumar Ravi, Nisha Patil, Veernapu Sudheer Kumar, K Srinivasan, Polina Kotliar, R. Jegadeesh Kumar	1476
229	Swarm Intelligence for AI/ML Workload in Distributed Cloud Infrastructure Kiran Bhat	1482
230	Optimized Path Planning using Double Deep Q-Networks with Dynamic Window Approach Joseph Abraham, Sreeja Kochuvila	1489
231	Towards a Student Dropout Prediction in Higher Education Institutions using a Fuzzy RBF Approach Amit Joshi, Anuradha Parasar, Bhimanand Pandurang Gajbhare, M. Bala Prabhakar, Retna Mony R, Jayanth H	1495
232	Predicting Student Performance and Academic Success in Higher Education using a Hybrid XGBoost-LSTM Model Saritha Vemulapalli, Poonam Bhagat, Somendra Shukla, Nityangini Jhala, D. Jayanthi, Dileep Pulugu	1501

233	Automatically Early Detection of Skin Cancer using Hybrid Neural Network Models Smita Rani Sahu, S. Poongothai, Meghavathu S. S. Nayak, Rajesh Kumar Rawal, Moh Aijaz, Gourav kalra	1507
234	Automated Smart Attendance System for Higher Education using a Lightweight DNN Model-based Face Recognition Shashank Shekhar Tiwari, Sushil Kumar, RVS Praveen, Gautam Kumar, Savanam Chandra Sekhar, Rajashree Bhokare	1513
235	An Integrated Approach for Landslide Susceptibility Prediction using Decision Tree and Recurrent Neural Networks K. Manikandan, Dinesh Kumar Yadav, Raja G. V, M. Umaselvi, Kavita Singh, A Bharathi	1519
236	Road Accident Analysis and Severity Prediction by using Adaptive Regularized Extreme Learning based Models N. K Anushkannan, Raja G. V, Jayalakshmi V, A. Rajavel, V. Navin Ganesh, Dileep Pulugu	1525
237	A GAN-based Approach for Predicting Human Behavior in Smart Home Environments Eppili Jaya, T. Chandraiah, Bhupender Singh, C Saraswathi, Manas Ranjan Padhi, D. Suganthi	1531
238	Innovative Techniques for Cardiac Health Evaluation using Acoustic Signals and Advanced Processing Methods Syed Musthafa A, Dharshini S S, Gobika U, Harini R, Bhuvaneshwari S	1537
239	Knee Osteoarthritis Detection and Severity Prediction using Machine Learning Rashi Saxena, Ch Vidyadhari, Praveen B, Phanni Sai D, Pathakota Sai Niranjan Kumar, B. Jhansi Vazram	1543
240	Real Time Intrusion Detection using XGBoost and Decision Tree Classifier Sindhuja P, Vinayak Reddy T, Tarun Raidu M, K. Butchi Raju, Reddy S Sarveswara, D. Srikanth	1550
241	SMARE: Enhancing Retail with Augmented Reality and Natural Language Processing K. Anuradha, G Karuna, M. Soumya, Ramoji Tanya, Radhika Chukkapalli, N. Vijaya Kumar	1557
242	Machine Learning for Space Safety: Predicting Debris Motion and Evaluating Collision Risks G. Ramesh, Sreevani Maddala, Deepshika Pulluru, Pallavi Reddy Reddygari, M. Sunitha, G Karuna	1563
243	Content-based Fashion Image Retrieval in Android Applications using Artificial Neural Networks Karthik P, Rajesh R, Nithin Kumar T, P Kalyan Kumar, Kiran S	1568
244	Adaptive Hybrid Bilateral Filter for Efficient Image Denoising in Noisy Environments Amanpreet Kaur Sandhu & Jaskarn Singh Bhullar	1574
245	An Interpretable Stacking Ensemble Model AB-CBLC for High-Accuracy Lung Cancer Detection using Clinical and Behavioral Data Vijai Bhaskar P, Veeramani R, Babu Rao K, Edagotti Lakshmi Devi, Suryanarayananaraju Saripalle, Raghu Dhumpati	1580
246	Integrating CNN-LSTM and Hybrid Machine Learning for Lung Cancer Prediction based on Air Quality Sachin Upadhye, Raghu B R, R Gopal, K Rama Rao, P. K. Sudhakar, Mathavan P	1588
247	Hybrid CNN-LSTM Model for Predictive Career Guidance and Entrepreneurial Development in Higher Education	1595

	CH N Santhosh Kumar, Shobhit Garg, Bibin Xavier, Subha B, Ratna Raju Mukiri, Vandna	
248	Smart E-Waste Management and Recycling Solutions for Sustainable Cities with Multi-objective Optimization Naveena S, Pooja Deshmukh, Ranjana Singh Tomar, Karthikeyan M. V, Sureshkumar M. S, Saratha M.	1602
249	Intelligent Waste Management System using Digital Twin Technology Velumani Thiyagarajan, L Jaya Singh Dhass, Vensila C, Ben M. Jebin, Seethalakshmy Anantharaman	1609
250	Hybrid BERT-VADER Approach for Sentiment Analysis of Social Media Data Sanket Rohidas Durgekar, Rajalaxmi Hegde, Sandeep Kumar Hegde	1615
251	Analysing the Influential Factors Affecting Students Placement Outcomes using Machine Learning P. Vijayakumar, M. Pyingkodi, N. Megashri, C. Mohan nivash, M. Selyavarsnee, G. Nisanth	1621
252	Artificial Intelligence (AI) Driven Threat Detection and Mitigation using Machine Learning Techniques Apoorva C S, Avani B N, Bhumi Lakhani, Mohana, Abhilash Chakkan	1629
253	The Use of Bendlets, Fuzzy and Modified Spatial Frequency for Image Fusion B. Muralidhar Naick, D. Leela Rani, V. Vijaya Kishore	1636
254	Fake-Profile Identification in Social Media using Transformer based Algorithm Karthika K, Balasubramanie P, Nithish Kumar R, Shanmugapriya P, Ramya T E	1642
255	Harnessing Gen AI for Accurate Sentiment Detection in Text Bala Sai Gayathri, Kakara Venkata Nithish Sarma, Krishna Chaitanya Bunga	1650
256	Automatic Detection of Helmet Violations using YOLO-based Detection Rohit Wani, Tisha Nawani, Sanjiwani Kosare, Roshani Raut	1655
257	Neuro-Signal-Informed AI Models for Comprehensive Diagnosis of Dermatological Disorders Ramesh M, G. Hari Siva Prasad Reddy, Gandhimathi Alias Usha S, M. Charan Kumar Reddy, Y. J. Lakshmi Murty, A. Giriprasad	1661
258	An Improved Spam Detection Technique using Deep and Recurrent Neural Networks Arunkumar M S, Deepa S, Suguna R, Kanimozhi T, Chandru M, Vignesh L	1672
259	AI-Enhanced Multi-Modal Biometric Authentication System for Banking Application Vinothini S, Bhuvaneshwari S, Dharshini S	1679
260	A Comparative Performance Analysis of Linear Regression Models for House Price Prediction K.Vengatesan, S.Pragadeeswaran, Jayaprakash Chinnadurai, J.Preetha, T. Nadana Ravishankar, M. Rajesh	1687
261	Drone-based Pest Control: LiteDepthwiseNet Stem Borer Detection on Jetson Nano Maheswari. S, V. Dhilip Kumar, Ansilin Kumar S M, Priyadharshini V, Amirtha T	1693
262	Intelligent Smart Data Recorder for Vehicle Tracking & Accident Response System B. Chandra, Durai Arumugam SSL, Hemanth Kumar MS, Naga Prasad G	1699
263	Intelligent Anti-Robbery Surveillance System for Banks and Jewellery Shops using YOLO-based Object Detection and IoT Integration	1705

	Varun M, Kumaran K, Saranya G	
264	Performance Analysis of YOLOv5 for Real-Time Object Detection and Manipulation in Unity on CPU and GPU Kankipati Venkata Meghana, Kondakindi Supriya, Korumilli Siva Kumar, Mula Venkata Surya Mahendra, Lekshmi C. R.	1712
265	Fusion-based Super-Resolution for Facial Identification and Sketch-to-Image Translation Santhana Krishnan. G, Kumar. N, Sheela Gowr. P	1718
266	Cyclone Intensity Prediction using ERA5 Aman Goel, Rishaan Yadav, Priya S	1725
267	Mango Leaf Disease Detection using YOLOv5 - Mobile App Renugadevi R, Mohana Sundharam M, S. Santhi, Mohamed Badusha A, Vishnu R, Sutharsan E	1731
268	Energy-Efficient Gas Leak System with GSM and Alarms Shatrunjay Kumar, Devshree Bhabale, Vipul Gohil	1738
269	Audio Lens-Assistive Smart Glass for Blind V Suresh, Sabarivasan S, Rohan V S, Vignesh M	1745
270	Intellisurveil: Multi Camera Surveillance and Facial Tracking System with Real Time Security Alerts using MTCNN and ResNet Bharani M, Pavithra G, Rajeshwari T, Rubashree V, Sakthi Sri B M	1750
271	Identifying Fake Apps on Google Play Store Through Text Analysis: Leveraging Natural Language Processing for App Safety N. Kowshik, N. Uma Maheshwari, R. Vazhan Arul Santhiya, R. Kesavan, R. Saravanakumar, G. Uma Maheswari	1755
272	Multi-Stream Feature Fusion Framework with Separable Convolutional LSTM for Violence Detection in Surveillance Video Sushma B, Y. Dileep Kumar, M. Murali, Sushma T V	1760
273	Eye-Controlled Interactive Patient Response System using Computer Vision S. Gokilapriya, Raghul K, Jeron Roy Jacob S, Vignesh G	1765
274	Interpreting Blood Glucose Effects in Juvenile Diabetes Through XAI R. Shanthi, R. Anandan, S. Sridevi, G. Revathy, S. Meera	1771
275	Traffic Categorization with Emergency Vehicle Identification using YOLOv5 Vatsh Sharma, Apoorva A. Shah, Manisha Makwana	1779
276	Wildfire Prediction and Spread Detection Ayushi Mishra, K. Deeba	1785
277	Enhancing User-Centered Excellence by Evaluating Satisfaction with the e-Magazine Admin Experience Through Quantitative Ratings Jyothirmayee T, Surendran R, Sumathy Krishnan	1790
278	Movie Recommendation Exact Prediction using Machine Learning Approaches E. Vengatesh, P. Shalini, Misma Fredic, K. Ramachandra Raju, G. Uma Maheswari, R. Saravanakumar	1797
279	AI-based Content Moderation System for Offensive Data Detection P. Divya, G. Samprakash, B. Yazhini, R. Kesavan, R. Saravanakumar, S. Jeya Lakshmi	1803
280	Motion Detection using Mixture of Gaussians for Wildlife Photography Ahmed Tazeem, Aarush Tewari, Moosa Ahmed, Dolly Sharma	1810
281	Automated Building Damage Classification using Deep Learning for Efficient Disaster Response and Recovery Ch. Upendar Rao, B. Roshini, M. Rishi Sai Koushik, B. Avinash, Y. Pavan Kumar	1816
282	AI-Driven Cryptographic Framework for Smart Industrial Cloud Security Harikumar Nagarajan, Poovendran Alagarsundaram, Surendar Rama	1823

	Sitaraman, Kalyan Gattupalli, Venkata Surya Bhavana Harish Gollavilli, Balachander J	
283	Intelligent Traffic Light System with Vehicle Signal Interaction and Motion based Accident Prevention R. Sumathy, D. Venkata Praveen, Shaik Khaleel Basha, Dasari Purushotham, Sankala Akhil Ram	1830
284	Automatic Classification of Fetal Hypoxia: Integrating FIGO Rules with Real-Time Monitoring Annapurna H S, Malyavantham Karthik, Amireddy Yashwanth sai, Vijay Kumar A G, Gururaj Karatagi	1835
285	AI - Powered Guide to Sustainable Nutrition Chinnareddyvari Likitha, Ch. Parameswari, K.Chandra Lahari, Prabhu Shankar B, Alex David S, Peer Mohamed Appa M. A. Y	1841
286	Influence of Generative AI on Students': Interpersonal & Technical Skills Archana B Saxena, Deepti Sharma, Deepshikha Aggarwal	1846
287	Smart Health: Enhancing E-Health Systems via Web Applications Tushar Talan, Jitendra Chauhan, Purushottam Sharma	1852
288	A Secure On-premises ETL Pipeline for Enterprise Data Warehousing: Integrating OCR and Local LLMs Shrikaran P, Mamalaivasan H, Chitradevi D, Tharun Kumar S, Abishekwoolridge	1859
289	Solar Panel Defection Monitoring System Selvaganesh M, Subha Shri B, Sukaif Akthar J, Varsha J	1865
290	Fake News Detection System based on Indian Data Bharat Bhushan Naib, Ankit Verma, Kunal Meena, Sandeep Bhatia, Praveen Kumar Gupta	1875
291	PawPals: A Personalized, Machine Learning-based Pet Breed Recommender with XAI Principles Stuti Patel, Tishika Gupta, Shruti Gupta	1880
292	Advanced Automated Card Cutting and Counting System M. Lizzy Nesa Bagyam, S Jegan, S. Dharanya, K. Janani, V S. Merun Hrithik, S. Elango	1887
293	Blood Vessel Blockage Detection using Phonocardiogram G. Akash, S. Jeevan Sankar, S. S. Harish	1894
294	PhishGuard: A Hybrid Ensemble Framework for Detecting Malicious URLs Joseph T Mathew, Lekshmi S Nair, Hema P Menon, Asmi P	1901
295	Smart Dining Insights using Automated Food Review Analysis and Visualization on Google Maps Jeethu Philip, Padidela Harshitha, Sheela Pallavi, Tata Harshith, Dampuri Sri Harsha	1909
296	Predicting Customer Purchases with TabNet: A Deep Learning Approach to Consumer Behaviour Mohan M, Thiyagu T. M	1915
297	PrivGuardNet: A Federated Transformer-based Intrusion Detection System with Differential Privacy for Scalable Cybersecurity Defense Soumya T R, Thamba Meshach W, P. Jayasree, P. Poonkuzhali, V. Sathya, Syed Ismail Abdul Lathif	1920
298	Guardian Veil: Fortifying IoT Locking System with CNN Embedded QR Codes with Signal Sorcery K. Anuratha, J. M. Nandhini, Vishali. R, Malavika. G, Keerthi. S	1928
299	Face Spoofing Prevention Technique using RGCS ConvNext Model S China Ramu, Mani shankar Reddy, Shailendra Rathod	1934
300	WoundSeg_Net: An Unified Framework for Automated 2D Image Wound Segmentation with Hybrid Attention U-Net Architecture	1944

	K Leela Ranganayagi, D Malathi	
301	An Intelligent Traffic Signal Announcement System with Automatic Emergency Lane Control V. Parameshwari, Yogeshkumar S, Selvaganapathy R, Thamaraiventhan J	1951
302	Eco-Friendly based Product Recommendation System using Machine Learning P. Venkata Jayasree, S. Kalpana, B. Kannamba, A. Venkata Siva Reddy	1958
303	Next-Gen Driver Vigilance in Revolutionizing Road Safety by Deep Learning Approach Vinay Kumar, Renu Dhir, Indu Sounkhla	1967
304	Vision to Voice: Transforming Images into Audio Descriptions with Deep Learning N. Sunanda, Vodnala Sharan Adhvy, Kanvapuri Sai Praneetha, Katikireddy Sai Sahithi, Mohammed Shaji Affan.	1973
305	Design of Solar-Powered Multipurpose Agribot for Smart Farming Venkatesh Kumar S, Sabareeswaran E, Sriganesh R B, R Srinithi R, Yuvasri D S	1981
306	CommuniSense – AI-Driven Public Speaking Evaluation for Automated Speech and Body Language Analysis using Deep Learning Algorithms Vignesh Thangathurai, S. Sangeetha, R. Kokila Devi, R. Vanithasri, A. Arun, K. Kiruthika	1987
307	Automated Leaf Disease Detection using a Hybrid CNN-BiLSTM Model for Smart Agriculture Jamuna Deepakraj, Tegil J John, S. Sathiyathan, P Joel Josephson, Priyanka H D, D. Suganthi	1993
308	Integrating Deep Learning and Natural Language Processing to Enhance Spoken English Proficiency Among EFL Students in Higher Education Kothagattu Neelaveni, Sharmistha De Dutta, Julius Irudayasamy, Yunusova Shola Asad, Anuradha Vemuri, Sweta Priya	1999
309	Analyzing the Economic and Agronomic Impact of Relay Cropping on Crop Yield and Soil Health in Climate-Resilient Farming Amirineni Rama L Padmaja, Chandara Koem, Suneetha K. S, Bhola Khan, Harina A. S, K. Santosh Reddy	2005
310	DeepFake Videos Detection using Hybrid Deep Learning Models Kurella Tejasvi, Srisai Krishna Cherla, Uday Kiran Kairamkonda, G. Ramesh, Katam Pranathi, N. Siva Rama Krishna.	2011
311	Retina Scan Disease Detection Sanjeeva Polepaka, S. Rajam, B. Chamundeshwari, K Prasanna Lakshmi, Chennapragada Padmaja, M. Sai Yaswanth.	2018
312	Objective Script Evaluator M. Santoshi Kumari, S. Dhara Vivek, G. Hasith Anjan, Paseddula Chandrasekhar, G. Jeevana Manikanta, K Prasanna Lakshmi	2024
313	Pothole Detection using Deep Learning Venu Gopal Rao Alleshwaram, Sandeep Kumar C, Chenna Kesava Reddy P, K. Butchi Raju, Vulugundam Anitha, A. Veema Rao.	2031
314	Speech Emotion based Music Recommendation P. Deepthi, Srivasanth Potluri, N. Thilak, P Gopalakrishna, Kalyani Nara, P. Mallika	2038
315	AskGriet: An Artificial Intelligence Assistant for GRIET K. Prasanna Lakshmi, Jamandla Hemanth Reddy, Ponnuru Rama Krishna Reddy, Alampally Sai Mahesh, Ch. Mallikarjuna Rao, T G Ramanadh Babu	2044
316	TOMATO CARE: A Deep Learning Approach to Disease Recognition and Prevention Jayashree Agarkhed, Akash Saxena, Patale Soumya Umesh, Bhargavi	2048

	Mallapur, Priya A Kulkarni, Siddarama. R. Patil	
317	Automatic Classification of Bangla Chandas in Classical Bangla Poetry Shubrata Das Shubro, Nagesh Subbanna	2054
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