

2024 IEEE International Conference on Computing, Power and Communication Technologies (IC2PCT 2024)

**Greater Noida, India
9-10 February 2024**

Pages 1-646



**IEEE Catalog Number: CFP24UR8-POD
ISBN: 979-8-3503-8355-3**

**Copyright © 2024 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:	CFP24UR8-POD
ISBN (Print-On-Demand):	979-8-3503-8355-3
ISBN (Online):	979-8-3503-8354-6

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

Sr. No.	Manuscript Title and Author Details	Page No
1.	Advancing The Pharmacovigilance Practice Using Blockchain Technology Arunendra Mani Tripathi, Kavita Saini and Smita Mishra	1
2.	Emerging Frontiers: A Survey of Recent Advancements in Artificial Intelligence Parth Belwal, Ashutosh Upadhyay and Anuj Kumar Dixit	6
3.	Analyze Effects of Local and Global Parameters in Efficient Real Time Stereo Matching Using Hybrid Matching Algorithm Anuj Kumar, Ashutosh Upadhyay and Mukta Jukaria	12
4.	Health Monitoring Transforming Using IoT: A Review Nidhi, Bhupender Singh Rawat, Animesh Srivastava and Navin Garg	17
5.	Augmented Reality for Next Generation Connected and Automated Vehicles Sachin Sharma, Shuchi Bhadula and Amit Juyal	23
6.	A Novel deep learning Based Gender Classification, Expression Recognition and Emotion Generation Bansidhar Joshi, Bineet Kumar Joshi and Sanjeev Kumar	29
7.	The Synergy of Blockchain and IoT: A Comprehensive Security Perspective Yajnaseni Dash and Prateek Yadav	34
8.	Security Issues in Serverless Cloud Computing Architectures Ankit Bhatt, Sachin Sharma and Shuchi Bhadula	39
9.	Diagnosis Of Plant Infection For Optimised Authomatic Health Monitoring System Using Vision Transformer Models Nitini Thapliyal, Manisha Aeri, Abhishek Satyarthi, Vinay Kukreja and Rishabh Sharma	44
10.	Brassica Black Rot Severity Levels classification based on Multimodal Convolutional Neural Networks and Support Vector Machines Deepak Upadhyay, Manika Manwal, Ajay Pratap Singh Yadav, Vinay Kukreja , and Rishabh Sharma	49
11.	Emperical Analysis of Nail Diseases through Using Hybrid Algorithms of LSTM And CNN Pritha Singha Roy, Vinay Kukreja, Nisha Chandran S and Ankur Choudhary	54
12.	Insomnia forecasting using Cutting-Edge Deep Learning Techniques Pritha Singha Roy, Vinay Kukreja, Nisha Chandran S and Ankur Choudhary	60
13.	Rice plant health analysis for damage severity levels Pritha Singha Roy, Vinay Kukreja, Nisha Chandran S and Ankur Choudhary	65
14.	Federated Learning: Research, Challenges, and Future Directions Kuldeep Singh Kaswan, Jagjit Singh Dhatteerwal, Rishika Yadav, Kiran Malik and Aanjei Mani Tripathi	71
15.	Computation of Big Data Security through Cross-Layer Techniques Priya Sharma , Shweta Dwivedi, Nitesh Singh Bhati and Santosh Kumar	77

16.	Digital Twin Framework in Supply Chain Governance Vivek Ghabak and Rakesh Chaugule	82
17.	Automatic and Advanced Identification of Any Vehicle Using Unique Identifiers through OCR and Rest API Collaborative System Rohit Kumar Singh , Aumreesh Kumar Saxena, Arun Jhapat , Ritu Shrivastava, and Rajiv Srivastava	90
18.	Review on Advanced Vehicle Recognition System: OCR and Rest API Integration for Efficient Results Rohit Kumar Singh , Aumreesh Kumar Saxena, Arun Jhapat , Ritu Shrivastava, and Rajiv Srivastava	95
19.	A System Security Strategy Implementation for Secured Data Communication System V. S. Madhumala, Pradeep Kumar Tripathi , Priya Rana , Nitin Kumar Sharma, Nagendar Yamsani and Shashikant	101
20.	Exploration of Secured Data Transmission in Internet of Things: A Survey Md Ozaif, Suhel Mustajab and Mahfooz Alam	106
21.	Control Strategy Based on Vision for Security in Communication Systems Sunita Bhati, Anita Bhati, Bharti Shah, Divya Pachauri, N.Noor Alleema and Mayank Patel A	113
22.	Diagnosis of Brain's Health Condition through Smart ML Algorithm through Brain Waves Dimple Tiwari, Anand Kumar, Abhinav Akash, Kamakshi Agarwal, Akshat Sharma and Nitesh Singh	117
23.	Emperical and Comparative Analysis of Various Platform for PG and Its Customization Mala Saraswat , Anil Dubey and Garima Jaiswal	124
24.	Secure Online Banking Authentication System Using Time Bound Password Ronson Danthy, Pratham Pai K and Vidya Rao	130
25.	An Early Diagnosis of Breast Cancer through Integrated Model of Random Forest and Catboost Nikhitha Vadlamudi, Baby Naina Tara Korivi and Kranthi Kumar	136
26.	Smart Trolley for Quick Shopping Lohith Kommavarapu, Thanmayee Mangu, Suraj Preetham Macherla and Ball Mukund Mani Tripathi	141
27.	Structured Implementation of ML Algorithms for Cardiovascular Disease Detection Drishti Arora and Farhan Asif	145
28.	Design of A Smart and Power Efficient Dual Axis Solar Tracking System Amanpreet Kaur and Himanshu Jindal	152
29.	Enhanced Database Encryption System Piyush Kumar, Laraib Hanif and L.N.B Srinivas	158
30.	Water Treatment and Crop Recommendation Model Using Artificial Intelligence Akash Kapoor, Divyanshi Bhatia, Anubhav Kumar and Shikha Gupta	164
31.	Development of Framework to Find Lung Cancer Using GAN Technique Rakesh Ramakrishnan, Balakumar Muniandi, Haritha Yennapusa, Nasmin Jiwani and T.Kiruthiga	170
32.	An Emperical Way to Diagnose the Cancer Stages Using Algorithm in AI System	177

	Balakumar Muniandi, Haritha Yennapusa, Rakesh Ramakrishnan, Ketan Gupta and J.Logeshwaran	
33.	An Enhanced Optimization of Machine Learning Model in Prostate Cancer Detection Haritha Yennapusa, Rakesh Ramakrishnan, Balakumar Muniandi, Ketan Gupta and J.Logeshwaran	184
34.	Estimation and Prediction of bitcoin by applying machine learning Aanjoy Mani Tripathi, Saumya Shukla and Neha Chaudhary	191
35.	Machine Learning Algorithms for Prediction of Stock Market: A Systematic Literature Review B. Teja, R. Bhuvaneshwari, S. Srinivasulu Raju and G. Unnathi Stella	197
36.	Design and Development of Solar Photovoltaic System Integrated with SM System for Specific Locations and Applications Saiful Islam, Rajdeep Bhattacharjee and Priyanath Das	203
37.	Load Balancing Techniques in Fog and Edge Computing: Issues and Challenges Deepak, Manoj Kumar Upadhyay and Mahfooz Alam	210
38.	Behind Closed Doors: insider Threats in the World of Cybersecurity Sanjay Ajani, Deep Vaghasiya, Divya Kapadia, Dhruvrajsinh Chauhan, Megh Thakkar and Raju Sanmugam	216
39.	Empirical Analysis on Breast Cancer Datasets with Machine Learning Archana Singh and Kuldeep Singh Kaswan	223
40.	Monitoring and Controlling of Bluetooth Mesh Network using Gateway Kamaldeep Bansal and Salil Jain	228
41.	Implementation of CBDC System for the Customised Development of Finance Service System Devansh Mehra, A Sri Vamsi and Balasubramanian Prabhu kavin	234
42.	OCR Based Deep Learning Approach for Image Captioning Vishal Jayaswal , Sharma Ji , Ashish Kumar, Varun Kumar and Ayushi Prakash	239
43.	Revolutionizing Brain Tumor Diagnosis: Harnessing Convolutional Neural Networks for Enhanced Prediction and Classification Aditya Kumar Singh and Aman Mishra	245
44.	A Comparative Study on Association Rule Mining in Distributed Data Mining Mohammad Waseem and Shafiqul Abidin	251
45.	Evaluating Top-K Rag-Based Approach for Game Review Generation Pratyush Chauhan, Rahul Kumar Sahani, Soham Datta, Ali Qadir, Manish Raj and Mohd Mohsin Ali	258
46.	Enhancing Remote Sensing Object Detection with A Hybrid DenseNet-LSTM Model V. Lakshman Narayana, S. Bhargavi, D. Srilakshmi, V.SivaAnnapurna and D. Mary Akhila	264
47.	Energy-Efficient Clustering Strategies for IoT Applications using Z-Sep Approach Daniel Zinyongo, Sandeep Kumar and Mayank Kumar Goyal	270
48.	Design of Structure using an Adaptive Generative AI System for Customised Education for Individuals Shakti Sharma, SManish Raj, Mohd Mohsin Ali, Karun Sharma , Abhinendra Singh and Samridh Singh	276

49.	Implementation of FinTech solution in Banking: Navigating through critical assessment and research agenda Anusha Rajan VR and Lalita Mohan Mohapatra	281
50.	An Innovative Approach for identifying skin cancer with Fusion of CNN and LSTM Addanki Janardhana Rao, M. Raja Babu, Guttula DurgaRao, Gottala Parameswara Kumar and A. Lakshmanarao	287
51.	Development of Intelligent Revisiting Method of Making ROC Curves for CFE for Finding Lung Cancer Sachin C. Patil, Balaram Yadav Kasula, Srikanth Kolluri, Ketan Gupta and J.Logeshwaran	292
52.	Combining Text information and Sentiment Dictionary for Sentiment Analysis on Twitter During Covid Vidushi, Akash Rajak, Rabi Narayan Panda and Amit Kumar	298
53.	CID: Way to Predict Cancer in Early Stage using DL Method of Frame Work Balaram Yadav Kasula, Srikanth Kolluri, Sachin C. Patil, Nasmin Jiwani and T.Kiruthiga	303
54.	Development of Consistent Followup and Analysis of Level of Cancer Detection Using Wearables With AI Technology Srikanth Kolluri, Sachin C. Patil, Balaram Yadav Kasula, Nasmin Jiwani, Nasmin Jiwani and T.Kiruthiga	310
55.	Crafting Insights from Facial Feedback for Enhanced Understanding Maryam Saeed Mohamed, MD AL Mahedi Hassan, Md Forkan Hossain Fahim, Rukia Mohamed Suleyman, Usman Muhammad Mansur and Ajay Kumar Singh	316
56.	Hand Gesture Recognition Using Machine Learning Technique Using CNN Technique Payal Bansal, Devendra Somwanshi, Hitesh kumar Solanki and Shashikant Patil	322
57.	A CNN and TF Techniques Development for Efficient Identification of Floral Recognition M. Prasad, K. Ajita Lakshmi, Raja Rao PBV, B V Prasanthi, Pokkuluri Kiran Sree, V. Rajesh Babu and G. Sudheer Das	327
58.	Intelligent and Smart Traffic System Based on Yo-Lo Version -8 through Video Streaming for Longer Distance Level Apoorv Varshney, Disha Arya, Arpit Katiyar and Anil Kumar Dubey	333
59.	An Overview of Detection of Forest Fires Using Intelligent Systems Vijaya Choudhary, Paramita Guha, Shahadat Hussain, Alisha Banga, Sudhriti Sengupta and Shikha Yadav	339
60.	Development of Supervised Algorithm for Predicting Chronic Kidney Disease Sneha A and J. Jean Justus	342
61.	A Well Structured and Friendly Chatbot for Primary Level Heart Disease Prediction using Symptoms Sneha A and J. Jean Justus	349
62.	Classification and Structuring of DL-Based Method for Finding Alzheimer's Disease through MRI Images Tripti Tripathi and Rakesh Kumar	356
63.	Enhancement of Potholes Images using Luminosity Based Enhancement Technique Sudhriti Sengupta, Palak Gupta and Mini Verma	362

64.	Ant-Inspired Route Optimization for Last Mile Delivery Aarush Aggarwal, Sarthak Sharma, Priyodarshi Ghosh, Manish Raj, Karun Sharma and Mohd Mohsin Ali	366
65.	Comparitive Study of Solar PV with Bidirectional C-U-K Converter for BESS Vimala Devi V, and Udaya Bhasker Manthati	372
66.	Cogniwealth: Revolutionizing Finance, Empowering Investors, and Shaping the Future of Wealth Management R Ramyadevi and G Sasidharan	378
67.	Development of Algorithmic Structure for Character Recognition from Written Image (Letters) Using ML Rohit Rastogi V, Tushar Anand , Shubham Sharma , Sarthak Panwar and Bhumika Arora	382
68.	OccuCon: A Context-aware Environment Sensing Approach Towards Indoor Occupancy Estimation Ruma Ghosh, Sumit Dhar, Saptarshi Ghosh, Abhik Mandal, Arindam Ghosh, Partha Sarathi Paul and Sujoy Saha	387
69.	Detecting Email Spam with NLP: A Machine Learning Approach Pallavi Jain, Shivang Singh and Chaitanya Kumar Saxena	393
70.	AI-Driven Fitness Coach: Webcam-based Form Correction and Rep Counting for Optimized Workouts Bharath Kumar. V and Anitha Julian	399
71.	Machine Learning Powered Genre Prediction for Next Level Book Recommendations Anitha Julian and B Pavithra	403
72.	Computational Approaches for Identifying Potato Plant Pathogens Anitha Julian and Vignesh S	408
73.	Optimizing Customer Segmentation through Machine Learning Anitha Julian and Hariprasath S R	413
74.	Xcelerate5G: Optimizing Resource Allocation Strategies for 5G Network Using ML Neha Shukla, Ayush Siloiya, Apoorva Singh and Aayushi Saini	417
75.	A Way to Detect Seizure through ML for Enhancing the Epilepsy Way of Management Anirudh Sharma, Shinora Khan, Rithik Chhabra and Rajendra KumarHari	424
76.	A Review On Emotion Identification Using YOLO and DeepSORT Avikalp Goel, Raihan Karim, Ujjwal Singh and Rajendra Kumar	430
77.	A Hybrid Framework for Effective Intrusion Detection System in Wireless Networks V. Priyalakshmi, and R. Devi	435
78.	NLP-Powered Identification of Online Harassment Kadambri Agarwal, Aditi Mittal, Anushka Gupta, Bhoomi and Sandhya Awsathi	441
79.	Implementation of Power Meter System Security in Smart Grids with QRNG Method Aum Patel, Simran Shrivastava and G.Sujatha	445
80.	Contextual Forensic Analysis of Emails Using Machine Learning Algorithms K.A. Apoorva and S. Sangeetha	450

81.	Implementation of An Automated Answer Evaluation System Shashank Konade, Atharva Kulkarni, Yash Hirgude, Abhishek Jadhav and Leena Sonar	457
82.	Machine Learning-Based System for Admission and Jobs Prediction in Engineering and Technology Sector Sangam Suman, Simran Jeet Kaur, Aryan Sharma, Siddharth Kumar	463
83.	Prediction of Chronic Kidney Disease Using ML Techniques Anupam Shukla, Fabian Robin, Harshit Narvaria and Anju Joshi	469
84.	A Detailed Structured Monitoring System for ICU Patient Mortality rate by using AI Algorithm Shivani Joshi, Rajiv Kumar, Vipin Rai, Avinash Dwivedi and Vikash Chandra Tripathi	476
85.	Multiple Cancer Prediction with Image Analysis and Machine Learning Nithya Sree.N and R.Ramyadevi	481
86.	Invoice Processing Automation Using UI Path Studio Ramyadevi R, Anbuselvan A, Anitha Julian, Selvi S and Murali Dhar M S	486
87.	Impact of Augmented Reality on School Students Learning English Sourav Choudhury and Vijay Kumar Chechi	490
88.	Prediction of Insurance Cost through ML Structured Algorithm Atharv Sharma and R. Jeya	495
89.	A New Way to Segregate the Data from Public Platform Using their Emotions by Using ML and DL Algorithm Yash Gupta, Prabhakar Kumar and Nripendra Dwivedi	501
90.	Utilizing Classification Algorithms to Predict Heart Disease Akash Pandey, Rajeev Kumar Singh, Damodharan D, Rajeshwari Sissodia and R. Jeya	507
91.	Understanding Global Warming: An In-depth Analysis and Future Predictions Anitha Julian and Umar Mohammed E	513
92.	ARNAV: Computer vision and Machine Learning-Based Augmented Reality-Based Indoor Navigation System Sai Suryaa K, Saravana Kumar C, Sudharsan S and K. M. Anandkumar	519
93.	Applicability of Machine Learning in Waste Water Quality Detection Shyamala Prakash Shingare, Manoj B. Mandake, Rahul N. Patil, Ashwini G. Thokal, Yaser Qureshi and Chetan M. Thakar	525
94.	Time series analysis and Random Forest Techniques for Prediction of Sales for Retail Grocery Anshumali Parashar, R. Indumathy Senior, Akhilesh Gowda Y. N., Firas Jamil Alotoum, Guna Sankar Doguparthi and Natrayan L	531
95.	AI Advancement in Civil Law Contract Regulation for Vitro Fertilization Provision Sourav Choudhury, Joyirsiram, Suresh Frederick, Akshay Ashok Bannatti, L. Rahunathn and Kamlesh Chandra Purohit	536
96.	Rapid Plant Disease Detection Using AI Techniques Akhilesh Kumar Srivastava, Saransh Chauhan, Tribhuvan Mishra and Vaishnavi Mishra	540
97.	Performance Analysis of Edge Node in IoT Network Zaineb Naaz and Vidushi Sharma	546

98.	Smart Shoes for Fitness and Performance Analysis of Sportsmen Shirley Selvan, Srimathi Jayaraman, Srinivedhini Varadharajan, Madhumitha Rajendran, Elaveni Palanivel and Jaspin Kumaresan	552
99.	Machine Learning Prognosis for Smartphone Dependency Anitha Julian and Prathima S	558
100.	Face Recognition-Based Automated Attendance System Arunendra Mani Tripathi, Ashish Kumar Rai and Divyanshu Pandey	563
101.	Impact of Cloud Computing in Digital Healthcare. Shreya Thakur, Simran Sharma, Arvind K. Sharma, Rajinder Kaur and Anju	566
102.	Optimization of Hog Algorithm for Computer Vision in industrial Robots Nandkishor Marotrao Sawai, Kartik Ingole, Avinash Rambhau Mankar, Yogesh Ramdas Mahulkar and Sanjay M. Asutkar	572
103.	Increase in Probability of Right Corona Detection with Protection Rakesh Jain, Payal Bansal, Veena Yadav and Budesh Kanwer	578
104.	Trends in The Sustainability of Related Blockchain Technologies and Bitcoin Mutyala Pavitra , Himanshu S Bardhiya and Palash Gourshettiwar	583
105.	DL-Based Somnolence Detection for Improved Driver Safety and Alertness Monitoring Peddinti. Neeraja, R G Kumar, M. Sunil Kumar, KaziKutubuddin Sayyad Liyakat and M. Sowmya Vani	589
106.	IoT-Powered Trash Segregation and Waste Management: An Ingenious Approach to a Sustainable Environment Omkar Chavan, Diksha Doiphode, Vishal Jaware and Pankaj Deshmukh	595
107.	Exploring Educators' Perception of Augmented Reality in Indian Context: Psychometric Validation and Determinants Analysis Sourav Choudhury, Vijay Kumar Chechi, Santosh Raghunath Gaikwad and Anshul Verma	599
108.	Design and Fabrication of Road Potholes Detection Machine Swathi J, Anand M, Dhinesh N, Kishore M and Tamilmanian R Ajay A	604
109.	Deep Learning'S Diverse Impact on Sustainability of Agricultural Tech Startup Abhinav Yadav, and Nivedita Sharma	610
110.	Eureka Voice Assistant: Revolutionizing Human-Computer Interaction Navi Neha, Harsh Sharma, Samrithi Keshri, Shivendra Pratap Singh, Nikita Khanna and Pooja Choudharyh	616
111.	A Novel Ensemble Based Model for Intrusion Detection System Nikhita Bhattacharya, Vandana Sharma, Arnav Subudhi, Adedapo Paul Aderemi, Sushruta Mishra and Celestine Iwendi	620
112.	Regression Analysis as a Metric for Sustainability Development: Validation of Indian Territory Rishabh Mohata, Vandana Sharma, Akash Chandrakar, Ikpenmosa Humuavbi, Sushruta Mishra and Ejovi Luther Ekakitie	625
113.	Prediction of Alzheimer'S Disease From Magnetic Resonance Images (Mri) A.Manimuthu, Peter Jose P, E. Gangadevir, U.Udhaya Kumar and M.D.Anandaraj	631
114.	Developing an Effective Consensus Mechanism for a Secure Blockchain-Based Cross-Border Fund Transfer System	636

	Ashit Arya, Jyotiraditya Singh, Abhishek Gupta and Rajendra Kumar Dwivedi. .	
115.	Enhanced Retail Shopper Behavioural Analysis using Human Machine Interaction and Model Validation Mahendra Reddy Bogala, Venkata Adinarayana Rao Uppu, Gowri Lakshmi Vanapalli, V K Kasthuri Godey, Sunil Kumar and V V Devi Prasad Kotni	643
116.	Interplay of Technology and Social Dynamics: Community Management Applications in Sports Communities Akshita Sharma, Aashima Wadhwa and Kushal Gupta	647
117.	Applicability of Machine Learning in Process industry: A Review Suchita Walke and Jagdish W .Bakal	651
118.	Performance Analysis of Mixed FSO-UWOC Dual-Hop Transmission System Deepesh Joshi, Deergh Sharma, Himanshu Singh, Rachit Agrawal, Mohammed Shariff A S, Rekha Rani and M. Lakshmanan	658
119.	Rainfall Prediction Using Logistic Regression and Random forest Algorithm Ritesh Pandey, Maneesh Upadhyia and Manvendra Singh	663
120.	the Psychology Behind Addictive Applications in Technology Aarti hans, Nongmeikapam Thoiba Singh, Rohit Kumar, Anshul Kumar, Anish Choubey and Suresh	669
121.	Deep Learning-Based Diabetes Detection and Real-Time Exercise Monitoring for Enhanced Healthcare Daksh Sharma, and Madhvi Gaur	673
122.	Impact of technical CRM on Ethiopia Bank Human-computer interface and competitive advantage as mediators of performance Dawit Jabo, Berhanu Borji and Shashi Kant	679
123.	Development Arena through Cloud Computing Technology Archana Jain, Nidhi Bansal, Mahima Shankar Pandey, Gaurav Kumar, Manoj kumar Sharma, Suraj Malik and Santosh Kumar Maurya	683
124.	Automatic Pill Dispenser for Elderly Medical Adherence: A Survey Divya K S, Antony Thomas, Ashwin Raguraj, Gripsy Paul Mannickathan, Gayathri Devanand and Neetha K Nataraj	690
125.	Integrating Aadhaar cards and blockchain technology with smart contracts to enable security in online voting Ashmit Mishra, Shivam Singh, Mohammad Adnan Ansari and Rajendra Kumar Dwivedi	695
126.	IoT-Based Intelligent Crop Monitoring System Neeru Chauhan	700
127.	Employing Watchdog Timer to Prohibit Ddos Attack Michael Rajan A, Madhan Raaj A U and Jean Justus J	705
128.	English Speech Recognition using Convolution Neural Networks and IoT R Vijayakumari, Akshay Ashok Bannatti, Ramya Maranan, Jaspreet Kaur and S Kamatchi	711
129.	USE OF BLOCKCHAIN FOR FAKE PRODUCT DETECTION Dr. M. Sunil Kumar, M. Sowmya vani, N. Pavithra, R. Chandana and N. Jhansi.	717

130.	Accurate Estimation Technique Development for Second Hand Car Through Linear Regression Algorithm Satwik Jain and Sanjeev Kumar Punia	723
131.	Block Chain-Powered E-Voting System: A Secure and Transparent Solution with Three-Tiered Otp Security Mechanism R Ramyadevi and Priya V	728
132.	Time Series forecasting of Sales Data Using Hybrid Analysis Ramya Devi and Rajasree T	732
133.	An Automatic Navigation System for New Technical Advanced Drones for Different Applications Navjot Singh Talwandi and Payal Thakurand Shanu Khare	736
134.	Deep Reinforcement Learning in Healthcare and Bio-Medical Applications Payal Thakur and Navjot Singh Talwandi	742
135.	Object Detection Model for Tacking System Implementation using Deep Learning Technique Navjot Singh Talwandi, Payal Thakur and Shanu Khare	748
136.	Gesture-Driven Virtual Mouse: Empowering Accessibility through Hand Movements Anitha Julian, Danush Suresh and Ramyadevi R	755
137.	Analysis and Estimation of Discounts On Product Prices in E-Commerce Sites Anitha Julian, Murali Dhar M S, Chella Maheswar and Selvi Sand Ramyadevi R	759
138.	Cloudsuggest: Enhancing E-Commerce with Personalized Recommendations Anshdwip Kumar, Ayushman Mudgal, Anup Lal Yadav and Aman Sharma	763
139.	A unique ADAGRAD optimized DCNN with RESNET-18 Architecture for Indoor Agriculture-Based Crop Yield D. Radha and S.Prasanna,	767
140.	Machine Learning Approaches for Adaptive Signal Processing in 6G Networks R. shobarani, Sakthi Kumaresh, P. Dhivya, M.J. Bharathi and S. Srividhya Santhi	772
141.	An Extensive Examination of Toxicity, Polarisation, and Biasing in Political Conversations on Social Media Navin Garg, Ashwini Kumar Singh and Mahesh Manchanda	777
142.	PREDICTION OF LEVEL OF DAMAGE OF Brain DUE TO Tumor VIA INTEGRATED CNN TECHNIQUE Vivek Agrawal, Kuldeep Singh Kaswan and Sanjay Kumar	783
143.	SCRAP COLLECTION SYSTEM E-COMMERCE PLATFORM: ONLINE KABADIWALA Vijay Kr. Sharma, Agam Gupta , Abhishek Kumar , Alfahad and Mayank Kumar Singh	787
144.	Leveraging Deep Learning's Potential: A CNN and LSTM Network-Based Severity Classification of Mustard Downy Mildew Saumitra Chattopadhyay, Aditya Verma, Rajeev Kumar Chauhan, Vinay Kukreja and Rishabh Sharma	791
145.	Blockchain-driven System for Authentication and Authorization Aman Kumar, Devansh Raheja, Jatin Rawal and Anup Lal Yadav	796
146.	Utilising Feedforward Compensation, Active and Reactive Power Control of a Grid-Tied Three-Phase Inverter	802

	Mehtab Fatima, Anwar Shahzad Siddiqui and S.K Sinha	
147.	Deciphering Deception: Unmasking Fake News in Multilingual Contexts Ashutosh Agarwal , Yash Pratap Singh and Vipin Rai	807
148.	Air Pollution Detection From Automobile Emissions Using Machine Learning Model Suresh Kumar Vemula, Chandu Varikuppala, Yaswanth Gopeenadh Nahipathi, Monapati Sankar, Hardik Singh Pachwari, Shobha Tyagi and Neha Batra.	813
149.	A Perceptive Collision Avoidance System Enhanced for Terrain Guidance in Elevated Terrain Situations Anup Lal Yadav and Sandip Kumar Goya	818
150.	Managing Cloud Networks: A Classification of Sdn-Enabled Clouds Vaishali Singh, Kehkeshan Jallal S and Sunanda Das	824
151.	ML Approach for Extracting Keywords from English Literature Using Location Feature Weighting V Lakshmi Prasanna, Baiju Krishnan , N. Kavitha, M. Leena Chandrika, Suresh Frederick and R. Udhayanila	828
152.	Effective Techniques Non-linear Dynamic Model Calibration using CNN Malmarugan Devanathan, D Prasannan , Pooja Singh, Oluwadare Joshua, Adity Pai H and Pankaj Jakhar	832
153.	Mathematical Evaluation of Medical Image Computing by Application of Mathematical Computer-Aided Interventions to Soft Tissues Danesh Dinyar Chinoy, Renu Mavi , A K Shrivastav, Naresh Kumar Jothia, Tuhin Utsab and Akshay Rajput	837
154.	IoT-Based Teaching of English and It'S Translation Using Artificial Intelligence B Bala Nagendra Prasad, Indrajit Patra , D. Indumathi, A Saranya, Gurpreet Kaur and Ramesh Singh Rawat	843
155.	Biometric Application on Facial Image Recognition Techniques A. Ambikapathy, Thiyam Deepa Beeta, R. Kishore Kanna, Archibald Danquah- Amoah, V. Subha Ramya and U. Mutheeswaran	848
156.	Counting Number of Objects in Images Using Machine Learning Aditya Amoriya, Chandan Kumar and Savita Kumari	852
157.	Improved Fake News Detection by Combining Sentence Transformers, Variational Autoencoders, and Topic Modelling: the VAE-Topic Model Fusion Method Shivani Tufchi, Ashima Yadav and Tanveer Ah	857
158.	Raspberry Pi-Based Driver Drowsiness Detection Paruchuru and Sri Lasya Kompella	864
159.	Stability Analysis of TRMS Using Optimal Control Technique Sumit Kumar Pandey	870
160.	Satellite-terrestrial Integrated Computing and Artificial Intelligence as a means of achieving Handover Management Anandakumar Haldorai, Babitha Lincy R, Suriya M and Minu Balakrishnan	874
161.	Systematic Review on the Use of Immersive Technologies in Healthcare Parul Gahelot , Rishu Chhabra and Gurjinder Singh	878

162.	ACO-Based Hyperparameter Tuning of a DL Model for Lung Cancer Prediction Kumar Dilip, G S Pradeep Ghantasala, D. Nageswara Rao, Manisha Rathee and Priyanka Bathla	883
163.	Advancing Heart Disease Detection by using Ensemble Meta-Features Integration K. Hymavathi, Syeda Husna Mehanoor, G. Srinivas, A.Lakshmanarao and Jyothsna Jalla	888
164.	Intelligent Carpooling - Machine Learning Route and Pickup Optimisation Arunya Goojar, Parth Verma, Nitin Singh, Shubhradeep Debnath and Neha Tyagi	893
165.	Spatial Data Discovery Using Small Language Model Sujit Kumar Thakur and Neha Tyagi	899
166.	A Systematic Analysis of DL and ML Models for Plant Disease Detection Ishita Saxena, Lakshika Bhagat and Neha Tyagi	906
167.	Innovative Guava Leaf Spot Acuteness Assessment with Yolov5 and Attention Model Rishav Chandel, Sandeep Kumar Mogha, Shobhit, Prashant Singh and Purvansh Dongre	912
168.	Smarter Way to Monitor and Detect Intrusions in Cloud Infrastructure using Sensor-Driven Edge Computing Venkateswara Reddy B, Khader Basha Sk, Kusuma Polanki, Sai Srinivas Vellela, Lavanya Dalavai, Lakshma Reddy Vuyyuru and K Kiran Kumar	918
169.	Improving Long Short-Term Memory (LSTM)-Based Stock Market Price Predictions in the Machine Learning Era Sarvesh Kumar, Nitin Pal and Aanjeey Mani Tripathi	923
170.	Improving Energy Efficiency through Green Cloud Computing in IoT Networks Aishwarya Shekhar and Abdul Aleem	929
171.	Insurance Prediction of Medical Resource Using Cross Gradient Regression Model A.Sanjai and K.S Rekha	934
172.	Cyberbullying : Research Challenges and Opportunities Sarah Nizam, Priya Matta, Sanjeev Kukreti, Rakshita Upadhyay and Gagan Dangwal	938
173.	Optimising Makespan Minimization and Performance at the Same Time with a Dynamic Cloud Task Scheduling Comparative Study of MOSOS and PSO Anegha Jain, Megha Nath and Rama Parvathy L	944
174.	Evaluating the Effects of Climate Change on Agriculture: Deep Learning-Based Predictive Pest and Disease Severity Classification Bansal Shrivastava and Nishi Gupta	950
175.	Hybrid Electric Vehicle Energy Management Systems using Fuzzy Controller Sundeep Siddula, Vallala Yashwanth, Chaithanya Kumar Vungarala, Raju Pathi and Bhavani Vadlakonda	955
176.	Voice -Based Virtual Assistant for Windows (Ziva - AI Companion) Sunil Kumar, Shubham Patel and Sonamand Vaishnav Srivastav	960
177.	Deep Learning Techniques for Alzheimer's Disease Prediction Mahesh TR, Ankita Agarwal and Amrutha V Nair	966
178.	Analysing Barriers in Employing Drone Operations Naveen Kumar Rajendran, Trapty Agrawal and Manikandan T	971

179.	AI for Agro-Business in the Identification of Rice Diseases Suphiya Parveen, Savita and Saurav Ganguly	976
180.	AI Approaches for Geopolymer Is Composite Strengths Calculation Upendra Sharma.U.S, Intekhab Alam and Saurav Ganguly	983
181.	Improving Deep Learning for Brain Localization Mohammed Aarif K O, Nayana Borah and Awakash Mishra	989
182.	Effective Method for Cancer Diagnosis Employing Deep Learning Algorithms Nayana Borah, Trapyt Agrawal and K. Shoukath Ali	995
183.	An Artificial Intelligence-Powered Optimisation Algorithm to Identify Writers' Handwritten Digits Frederick Sidney Correa	1000
184.	Use of Sensor Networks with Self-Organizing Algorithm to Increase the Agricultural Productivity Saurabh Lahoti	1004
185.	Analysis of the Market Capability and Forecast of the Presence of Drugs Using Neural Network Technique Nimesh Raj	1008
186.	Automated System Cursor Control Raman Verma	1012
187.	Ontological Related Application for Social Media Sachin Mittal	1018
188.	Artificial Intelligence and Image Processing Techniques for Blood Group Prediction Tannmay Gupta	1022
189.	A Thyristor Based IoT System to Control the Illuminance of Lamp Using Matrix Keypad Saket Mishra	1029
190.	Genome Based Computational Technique to Identify the Functional RNA in Protozoan Parasites Saurabh Lahoti	1035
191.	An Analysis in the Identification of Secondary RNA Structure Using Energy Algorithm Nittin Sharma	1040
192.	Optimal Design of Titanium Based Tool in Manufacturing Process for Predicting Surface Roughness and Residual Stress Raman Verma	1046
193.	Prediction of RNA Structure Using Genetic Approach Sachin Mittal	1051
194.	Detection of Rice Leaf Diseases by Using Fuzzy Logic Application Tannmay Gupta	1056
195.	Information Recapture Technique for Service Oriented Computing Takveer Singha	1060
196.	A Technical Analysis of Hybrid Combination of AI, 5G, and ML for Various Application Saksham Sood	1065

197.	5G Application for Methodologies for Big Data Application Amanveer Singh	1071
198.	Design for Electrical Energy Storage System Using Machine Learning Application Takveer Singh	1076
199.	Implementation of Attention Mechanism in GAN for the Purpose of Quality Detection Preeti Sharma, Manoj Kumar, Hitesh Kumar Sharma and Minakshi Memoria	1081
200.	Mobile Security Edge Computing Application Using Blockchain Technology Saksham Sood	1088
201.	A Deep Analysis on Security Aspects of Cloud Computing Ontologies Girish Singh Bisht, Gobi N, Vinod and Mansiram Kapse	1092
202.	Detection and Prognosis of Pulmonary Tuberculosis Using ML Classifiers with Soft Computing Girish Singh Bisht, Ganesh D and Santosh Kumar	1097
203.	A Review on Amalgamation of Textile-based Components for Standardization of Smart Fabrics Sandeep Kumar, Haripriya, Neeti and Taneja	1102
204.	A Meticulous Review of Digital Forensics Challenges in the Advancement of Internet of Things (IoT) Priya Matta, R Kamalraj and Kumud Saxena	1108
205.	Deployment of ML Techniques for Optimization of Energy in Residential & Commercial Structures: A Review Prerna Mahajan, Priya Dahiya and Rimpi Upadhyay	1112
206.	Blockchain in Medical Healthcare: A Review of Issues and Challenges Abhinav Raghav and Aanjei Mani Tripathi	1116
207.	Rotten and Fresh Fruits Classification Using Deep Learning Prashant Kumar Mishra and Jagrati Singh	1121
208.	Discourse of AI-influence in Visual Aesthetics Manikandan C, Ankit Kashyap and Fakira Mohan Nahak	1127
209.	Software Fault Prediction in Service-Oriented Based Systems Raghuraj Singh and Kuldeep Kumar	1131
210.	A Hybrid Model for Accurate Prediction of Progression in Parkinson's Disease Anirudh S, Sri Sai Suhas Sanisetty, Manushri Tummala, K Dinesh Kumar, Mahadevi E Malkhed and Nidal Nasser	1137
211.	Resnet-Based Detection of SYN Flood DDoS Attacks Hiba S. Bazzi, Ali H. Nassar, Imane M. Haidar, Ali M. Haidar and Ziad Doughan	1142
212.	Estimation of Market Price through LSTM Model Omkar Sunil Jadhav, Sushant Pravin, Shubham Mote, Pritesh Nistane and Pramod Ganjewar	1148
213.	Identification of Student Programming Patterns through Clickstream Data Anika Gupta , Mani Jindal and Ankush Goyal	1153
214.	A Novel Ultra-Wide Band Antenna Design for WLAN System with 5G Applications Sonu Rana, Anil Kumar Gautam, Sonia Sharma and Reenu Batra	1159

215.	Security Enabled Supply-Chain System Implementation Using Blockchain Integration with Hyperledger and IPFS Techniques Amritesh Kumar Gupta and Rajendra Kumar Dwivedi	1165
216.	Hate Speech Detection in Tweets using Support Vector Machine Priti Rishi, Abhishek K S and Rity Nivedha Y	1171
217.	Phishing Email Detection Using Machine Learning : A Critical Review Gunjanand Rajesh Prasad	1176
218.	Blockchain Based Credit System to Increase the Creditability through Carbon Offset Level A Padmavathi, G Charan Reddy and Gauri Santhosh	1181
219.	Accurate Prediction of Heart Disease Based On Multiple Layers Optimized Machine Learning Technique Koti Leela Sai Praneeth Reddy, Munaga Sai Snehitha, Karukonda Nithin Reddy, K Dinesh Kumar and Nidal Nasser	1187
220.	AI Driven Smart Number Plate Identification for Automatic Identification V. Murugan , S. Sowmyayani , J. Kavitha and S.Meenakshi	1193
221.	Detection of Cyber Attack in IoT Based Model Using ANN Model with Genetic Algorithm Animesh Srivastava , Hemendra Shanker Sharma , Rishikesh Rawat and Navin Garg	1198
222.	Amazon Product Reviews Sentimental Analysis Using Machine Learning Gitanshu Chauhan, Akash Sharma and Nripendra Dwivedi	1202
223.	A Deep Learning Driven Flask Level Enhanced Web Application for Efficient Communication System Aswathi S, G. Nagappan	1207
224.	An Empirical Brief Analysis of Novelistic Approaches for Detection Of Bone Marrow Cancer Health Monitoring Through DL MODEL Anuradha Reddy, Dr. V. Subba Ramaiah, R Mohan Krishna Ayyappa, G S Pradeep Ghantasala and Priyanka Bathla	1211
225.	Machine Learning Enabled Malware Detection and Classification Techniques Deepak Singh Rana and Sushil Chandra Dimri	1215
226.	Autogenie: Revolutionizing Vehicle Recommendations with Hybrid ML-Based System Varun Sharma, Sidharth Singh and Yash Garg	1222
227.	A Comparative Analysis of Edge Computing and Content Delivery Networks Yajnaseni Dash, Naweena Kumar and Ajith Abraham	1228
228.	Artificial Intelligence-based Analysis of Change in Public Finance between US and International Markets Kapil Panda	1234
229.	A review: Real Estate Price Prediction using Machine Learning with Research and Trends Sumit Sharma, Surbhi Kumari, Suprateek Goyal and Ravikant Nirala	1239
230.	Computer Human Interface for Placement Management System Kousik Raj K and G. Nagappan	1245
231.	Hybrid Classification Framework Based on CNN and Random Forest Method to Predict Brain Tumor Anmol Kumar Soni, A. Boobalan, Rajesh.E, V. Janakiraman and Vartika Kesarwani	1249

232.	Smart Monitoring and Guidance System for Parking Spaces Manvanth G S, Pavan Kumar A, Valipe Devi Priyank, Varshitha Goduguluri and Roopa Ravish	1256
233.	Hair Loss Prediction Using Deep Learning Rupashi Behal, Pallavi Priya, Yuvraj, Anjali Kapoor and Anju Mishra	1263
234.	Employing Cloud-Integrated Neural Network for Prediction of Heart Disease Using Advanced Telemedicine Solutions Sapna S Basavaraddi and A. S. Raju	1268
235.	Training Various Gestures for Recognition Using Neural Network Algorithms J. Sherine Glory, V. Sharmila, P. Ezhumalai, R. Suhirtha, Shania H and Y. Gayathri	1274
236.	Employing Neural Networks for Speech Recognition Ansh Batra, Pranav Saraswat, Rashmi Agrawalh and Kartik Yadav	1279
237.	A Study on Cloud Storage Architecture and Related Technical Issues V.lakshminarasamma , Suneetha Bulla , Rishikesh Rawat and Navin Garg	1284
238.	A hybrid system for Integrating Cross-Correlation, DNNs and LSTMs for Enhanced Intrusion Detection System Niharika Singh and Jay Prakash	1291
239.	Detailed Study of Routing Protocols of Optimization of Vehicular Type of Ad Hoc N/W Natasha Tambe, Atul Deshmukh and Swapna Chaudhari	1297
240.	An Analysis of Legal, Health, and IoT Technology Interventions in India's Eradication of Manual Scavenging Vasundhara Bhatt, Poonam Rawat, Rajesh Bahuguna and Minakshi Memoria.	1305
241.	Classification of Customers Based on Classifications of their Category Using Machine Learning Syed Sohail Mehboob , Tummala Niharika , kavya Guntapalli , Kothamasu D M, Suchindhra Prasad, Nikhat Parveen and Raju Anitha	1313
242.	Internet of Things (IoT): Role of Machine Learning in Power Management and Optimization using Regression Analysis Hemant Kumar, Pushpa Mamoria, Deepak Kumar Dewangan and Shivani Kumari	1319
243.	Datawindow: Python Library to Simplify the Data Science Process Daniel Lawrence, B. U. Anu Barathi and S. Sreeji	1327
244.	Java-Powered Digital Healthcare Management: innovating Medical Administration Systems M.Kathiravan, S.Saravanan, I. Lakshmi, Vijayakumar, V.Sathya Durga and N. Bharathiraja	1333
245.	Deep Learning-Driven Sentiment Analysis in Textual Data M.Kathiravan, I. Lakshmi, S.Saravanan, V Sathya Durga, Jagadeesh M and Jagadeesh M	1339
246.	Classification of News Seggregation to Recognise Fake Level through ML Method A.Kumari Shalini , Sameer Saxena and B.Suresh Kumar	1343
247.	Text Mining Data Based Summarization of Novel Approach for Covid-19 with the Use of Machine Learning Techniques Chataparti Suvarna Lakshmi , Sameer Saxena and Billakurthi Suresh Kumar	1349
248.	A New Era in Weather Forecasting: Harnessing the Potential of Machine Learning Sandeep Bhatia, Bharat Bhushan Naib , Neha Goel , Bhawna Agarwal, Basetty Mallikarjun and M. Arvindhan	1355

249.	Performance Evaluation of RSA Type of Algorithm with Cuckoo Optimized Technique Maalavika S, Gnanaprakasam Thangavel and Shajahan Basheer	1362
250.	A Technical Implementation of Solar Based Charger for Electric Powered Vehicles Keshav Sharma, Bhupender Sharma, Gaurav Gulati, Piyush Medheshiya, Jatin Rajpoot and Saibal Manna	1368
251.	A Bibliometric Overview of Testing in Cloud Computing Environment Yakshi Garg, Mudita Uppal and Deepali Gupta	1374
252.	A Unique Strengthening Mango Farming Model Combining Disease Surveillance, Quality Control and Production Management Anish Gogna, Abhishek Rajpal and B. Yamini	1380
253.	DCNN and LSTM Based Plant Leaf Disease Detection Model for Edge IoT Device L.Selvam, S. Roseline Mary, M. Pandian and A. Manimuthu	1384
254.	Cybersecurity Using Hybrid Type Model for Classification Through SCO Optimization Technique Jothi Prabha Appadurai, Lekshmi S Raveendran , Latha R, E.Gangadevi, M.Lawanya Shri, SITE, and Shilpa Gite	1390
255.	An AI-Driven Based Cybersecurity System for Network Intrusion Detection System in Hybrid with Epo and Cnnnet-Lam Anu Disney D, R. Yugha, S.Bangaru Karachi, E.Gangadevi, Balamurugan Balusamy and Shilpa Gite	1397
256.	An Automatic Prediction of Elevator Cappacity Using ML to Customize the Total Capacity Navjot Singh Talwandi, Anubhav Tripathi and Shanu Khare	1405
257.	Unveining the Mask: Strategies for Detecting DeepFake Face Swapping Using Generative Adversarial Networks Shachi Mall and Ayush Mall	1411
258.	Evolution of Malware Targeting IoT Devices and Botnet Formation Sutheekshan B, Shajahan Basheer, Gnanaprakasam Thangavel and Om Prakash Sharma	1415
259.	Image Based Feature Separation Using RBM Tech with Adbn Tech for Accurate Fruit Classification Revathi V, Balasubramanian Prabhu Kavin, Arunadevi Thirumalraj, E.Gangadevi, Balamurugan Balusamy and.Shilpa Gite	1423
260.	An Atom Quest Optimizer for CNN to Distinguish IDs in SDN and IoT Eco System V.S Anusuya Devi V, Vijilius Helena Raj, E.Gangadevi, Balasubramanian Prabhu Kevin, Balamurugan Balusamy and Shilpa Gite	1430
261.	A DCNN with Jellyfish Questoptimization Algorithm in Order to Find Fetus Images Aravinda K, Manjunatha B, Mrs. Arunadevi Thirumalraj, Balasubramanian Prabhu kavin, Balamurugan Balusamy and.Shilpa Gite	1438
262.	Despise Detection through LOA Using Fs with 1D-CNN in Public Forum Revathi V, B.Gunapriya, Balasubramanian Prabhu kavin, E.Gangadevi, Balamurugan Balusamy and Shilpa Gite	1445
263.	Smart Surveillance Drone with Navigation System A Padmavathi and Vyasasreevedansh B	1452

264.	Employing DL-Based Algorithm for Age and Gender Identification Akanksha Uniyal, Pooja, Harshit Narang, Satvik Vats, Vikrant Sharma and Satya Prakash Yadav	1459
265.	An Overview of Artificial Intelligence for Cancer Prognosis and Treatment Sandeep Mishra , Md Mustafa Kamal and Kaustubh Kumar Shukla	1465
266.	Early Detection and Analysis of Lung Cancer Using Artificial Intelligence Harsh Kasaudhan , Kaustubh Kumar Shukla , Rishabh Kushwaha , Kanika Sharma, Utkarsh Gupta and Akshita Sharma	1470
267.	A Novel DL Structure for Brain Tumor Identification Using MRI Images Sreedhar Kollem, Pati Harika, Janagam Vignesh, Peddoju Sairam, Adunuthula Ramakanth, Samineni Peddakrishna and Srinivas Samala	1475
268.	Multi-Agent Based Smart System for Supply Chain Management Raj Bala, Pawan Kumar Singh Nain and Avadhesh Kumar	1482
269.	Cooperative Wireless Networks having RF Energy in CCE: A Study Nikita Goel and Vrinda Gupta	1487
270.	Data-Sparse Deep Learning for Studying Diabetic Retinopathy Lesions Devendra Singh, Narendra Bisht , Dinesh C. Dobhal, Janmejy Pant and Saurabh Dhanik	1493
271.	An Innovative URL-Based System Approach with ML Based Prevention Nongmeikapam Thoiba Singh , Jyoti Rani , Prince Sharma , Akriti Mishra, Ankit Yadav and Shivani Raj	1498
272.	Healthcare Monitoring Revolution through Face Detection Using BP and SpO2 Nongmeikapam Thoiba Singh, Harkamal Kaur , Richa Dhiman, Manish Kumar, Aarti Hans and Preety Sharma	1504
273.	Cloud-Based Smart Cultivation System Using IoT Data Analytics Anzar Ahmad, Amit Saini, Sonika Kandari and Chandni Sharma	1509
274.	An Emperical Analysis of Classification of Plants Health through Image Analysis Arshleen Kaur	1514
275.	Progressive Expression of Bean Leaf Lesions: A Comprehensive Analysis Using Spatio-Temporal Disease Classification Solutions Based on CNN and LSTM Networks Deepak Upadhyay, Manika Manwal, Ajay Kumar Gupta, Vinay Kukreja and Rishabh Sharma	1519
276.	Enhancing Agricultural Precision: A Hybrid CNN-SVM Approach for Multidimensional Weed Disease Classification Deepak Upadhyay, Manika Manwal, Pragya Deep, Vinay Kukreja and Rishabh Sharmay	1525
277.	Combining Spatial and Temporal Analysis: A CNN-LSTM Hybrid Model for Maize Disease Classification Nitit Thapliyal, Manisha Aeri, Abhishek Kumar, Vinay Kukreja and Rishabh Sharma	1529
278.	Unmasking Healthcare Misinformation RNN Based Detection Bharti Khemani, Shreyash Divekar, Pratham Jain, Shreyash Gupta, Manasi Chouk and Shruti Patil	1534
279.	A Two-Stage Ensemble Approach for Analysis of Optimizing Customer Churn with Lime Interpretability Utkarsh Tiwari, Aayushi Jeeban Tripathy, Siddhant Ashwani and K Dinesh Kumar	1540

280.	Smart Cities Waste Minimization, Remanufacturing, Reuse, and Recycling Solutions Using IoT and ML Shubham Kumar and Dayashankar Singh	1546
281.	Dielectric Modulated Gallium-Arsenide Gate-All-Around Engineered Field Effect Transistor (Gaas-Gaae-Fet) Biosensor for Breast Cancer Detection Shivani Yadav, and Sonam Rewari	1553
282.	Unveiling Stock Market Trends Through Predictive Analytics and Sentiment Analysis: InsightfulEquity Amit Kumar Gupta , Vipin Kumar , Ankit Verma, Prakriti Yadav, Nikhil Kumarn and Mangal Sain	1558
283.	Bug Predicting Survey Using Advanced Machine Learning Algorithms Chandra Bhan Singh, Namit Gupta and Surjeet Dalal	1567
284.	Enhancing Environmental Monitoring through Object Detection in Quantum Networks P.Nirmala, S.Joshua Kumaresan, C. Senthilkumar Dinokumar Kongkham and Beenarani B B	1571
285.	Deep Learning for Workplace Communication Analysis and Improvement Anju Shukla, Rupali Khaire, Manjula Neti and Brijesh Singh	1576
286.	Ethical Considerations in the Use of Deep Learning for HR Decision-Making Brijesh Singh, Manjula Neti and Snigdhamayee Choudhury	1580
287.	Real-Time Market Sentiment Analysis Using Natural Language Processing and ML Brijesh Singh, Abilasha N and Swarna C	1585
288.	Kannada Manuscript Digitization through OCR and Machine Learning Asha Rani Borah, Abhilash Vijapur and B Mahesh Kumar	1589
289.	Improving Brain Tumor Detection and Classification Using Intelligent Methods S.Liya, Saswath S, Sumanth R and Sivapriyadarsan B V	1594
290.	Advanced Machine Learning Techniques for Enhancing Data Security in Cloud Computing Systems Dhinakaran M, Sundhari M, S. Ambika, V. Balaji and R.Thalapathi Rajasekaran.	1598
291.	Explore the Impact of Quantum Computing to Enhance Cryptographic Protocols and Network Security Measures S. Ambika, V. Balaji, R.Thalapathi Rajasekaran, P. N.Periyasamy and N. Kamal.	1603
292.	Requirements, Technologies, Applications and Challenges of 6G Communication: A Review Gambhir Singh, Indradeep Verma, Shivam Bhardwaj, Rohit Sharma and Waseem Ahmed	1608
293.	Artificial Intelligence: Driving Change in Healthcare through Medical Innovation Anmol Yadav, Priyanka Gupta	1613
294.	A Bit-Plane Slicing Technique for the Classification of Anti-forensically Contrast-Enhanced Images Neeti Taneja, Gouri Sankar Mishra and Dinesh Bhardwaj	1619
295.	A Comprehensive Review of Driver Drowsiness Detection Systems and Applied Technologies Ansh Gupta, Abhinav Tiwari, Atul Singh Chauhan and Sachi Gupta	1624
296.	Evolving Payment Security: A Facial Recognition-Based Credit Card Reader with A Multifunctional Cascade Neural Network Kushal Dahiya, Jatin Goel, Aryan Kaushik, Kshitij Rai, Neha Jain and Ankit Gambhir	1630

297.	Smart Computing Optimization of the Bactericidal Potential of ZnO Nanoparticles: A Support Vector Machine Approach Kashish Narang, Jayant Kumar, Shreya Saxena, Meena Chaudhary, Narender and Gunjan Chandwani	1635
298.	A Comparative Research On Sentiment Analysis of Tweets Using Deep and Machine Learning Models Kagolanu Venkata Chandra Madhav , Sravan Varma Mudunuri Panyam Charithartha Reddy and Beena BM	1640
299.	Unveiling Insights: Vision-Based Data Mining Analysis of Webpages in Transition from HTML 3 to HTML 5 Meena Chaudhary, Pooja and Gunjan	1646
300.	Optical Character Recognition System Accurate Translation of Telugu Handwritten Characters Song R Prasanna Kumar, D Spoorthi Keya and Charan Kumar M	1652
301.	Adversarial Attack and Defense Mechanisms in Medical Imaging: A Comprehensive Review Surekha M, Anil Kumar Sagar and Vineeta Khemchandani	1657
302.	A Comprehensive Analysis of Poisoning Attack and Defence Strategies in Machine Learning Techniques Surekha M, Anil Kumar Sagar and Vineeta Khemchandani	1662
303.	Service Quality Analysis of Telkomsel Case Study Based on Online Customer Reviews in Google Play Store Maya Ariyanti, Sri Widiyanesti and Wahyuning Hanifah Aprillia	1669
304.	Improving Privacy and Security Using Android Accessibility Framework Abhishek Mathur	1675
305.	Text Retrieval from Images in Voice form Deepak Saini, Rajesh Prasad, Harsh Mishra, Abhishek Gupta, Khushi Vishwakarma and Adarsh Dubey	1681
306.	An In-Depth Review of Digital Banking Patterns, Impacts, and Future Trends Meena, Narender, Devansh Tiwari, Rachit Lamba, Sourabh and Kunal Keena.	1687
307.	Optimal Layout Selection for Solar PV Park Using the Optimal Selection Strategy in the Grid Network Tanish Gupta, Divyanshu Singhaniya, Ankit Upadhyay, Somesh Rajput and Manoj Rajput	1693
308.	Enhanced Steel Defect Detection Using U-Net Model with Attention Mechanism D Gowtham Sri Mani Sai and Uma Maheswari	1700
309.	Towards Efficient Underwater Object Detection Using Deep Neural Networks Shaik Atheeq Rasool , Annamalai R and Mr. B. Natarajan	1706
310.	A Brief Overview of Various Blockchain Interoperability Models in Healthcare Abhinav Raghav and Aanjei Mani Tripathi	1712
311.	AI-Based Digital Disease Recognition Using Collaborative Conveyor Machine for Poultry Farming Elango M K, Harini A, Suroopa P and Soundar R	1716
312.	Product Recommendation Using Collaborative Filtering and K-Means Clustering	1722

	M Rajjith Kumar, S Vishnu, G Roshen, D Niranjana Kumar, P Revathi and David Ricardo Ledo Baster	
313.	Web Sculptor - Generative AI Based Comprehensive Web Development Framework Snehi Ratani, Disha Phatta, Dhananjay Phalke, Nihaal Varun and Anagha Aher	1729
314.	Anomaly Detection in Surveillance Videos Using Deep Learning and SVM Based Data Reduction Method Hareesh Narayan B K, Abishi Chowdhury and Pankaj Shukla	1733
315.	An Empirical investigation of the Discovery of Ancient Tamil Manuscripts Using Machine Learning Deepa J , Arvind B , Bharanidharan G and Dinesh S	1739
316.	Elevating Brain Tumor Classification Accuracy with Pre-Trained CNNs and Transfer Learning from MRI Data Neeru Saxena, Ajeet Singh and SPS Chauhan	1745
317.	Predictive Analytics for Budgeting and Management Using Deep Learning Techniques Sathiyamurthi K, L.Anitha, Delecta Jenifer Rajendren, R.Jayaraj Pandian, K.Suresh Kumar and Vellayan Srinivasan	1749
318.	Strategies for Integrating Deep Learning into Business Processes Venith Vijay M, S. Gangadharan, V Mohana Sundari, S. Arul Krishnan, K. Prakash and Vellayan Srinivasan	1754
319.	Prediction of Mortality in Liver Transplant Recipients Using Neural Network Rajesh Prasad and Offie Martins Kasiemobi	1759
320.	Persistent Homology and Non-Linear Methods for Complex Data Analysis in Machine Learning C. Sivasankar, K. Vijaya Bhaskar, S. Saravanan, A. Gayathri and S. Christy	1766
321.	IoT Based Healthcare Checking Framework Ratnesh Kumar Pandey, Narendra Pal Singh, Kuldeep Verma and Jay Chand	1771
322.	Exploring the Edge: Virtualizing Computing and Networking Resources for Enhanced Performance K. Vijaya Bhaskar, S. Christy, S. Saravanan, C. Sivasankar and A. Gayathri	1774
323.	Impact of Social Media on the Professional Development of Health Professionals Manav Khatta and Geeta Ravish	1778
324.	Music Recommendation System Using Deep Learning and Machine Learning Swarnima, Mala Saraswat and Pankaj Shukla	1782
325.	An Optimised Model to Forecast the Water Portability Using the Restricted Boltzmann Machine and Neural Network Lade Gunakar Rao, K Sravani , Devender Nanre and Shivakumar Nethani	1788
326.	Matching Digital Twins with Cloud Integration: Optimizing Productivity and Efficiency through Physical Server Integration Abbas Mehdi and Monika Singh	1794
327.	Optimising Vertical Mobility: Using Machine Learning to Reduce Passenger Wait Time in Elevators Navjot Singh Talwandi and Navpreet Kaur Walia	1800
328.	Rule Based Algorithms: A Comprehensive Review of the Modlem Method in the Prediction of Type-2 Diabetes.	1806

	Amaan Malek, Darsh Kanojia, Hardik Chauhan, Najuk Arvindbhai Sathvara, Prakash Arumugam and Divya Bhavani Mohan	
329.	A Comprehensive Method for Flower Detection by DL: A Comparative Study Between Multiple Statistical Models Gautam Yadav, Nishant Kumar and Rohit Rastogi	1811
330.	Comparative Analysis of Classification Efficiency of Quantum Machine Learning Algorithms Savita Kumari Sheoran and Vikesh Yadav	1818
331.	Analysis of Machine Learning Techniques for Knob Tuning Savita Sheoran, Deepak Yadav and Ajay Yadav	1824
332.	A Novel 3D Clustering Algorithm for Customer Segmentation Virender Kumar Dahiya , Ruby Dahiya, Nidhi Agarwa and Pramod Kumar	1831
333.	Hybrid Cryptography Techniques for Data Security in Cloud Computing Kethamreddy Karthikeya Reddy, Angela Raj Chadha, Perla Sai Nikhil and S.Sountharajan	1836
334.	An Anomaly Detection Algorithm for Estimating Interannual Variation in Crop Yields R. Vinoth Kumar, D. Malathy, M. Manjula, J. Veerandeswari, M. Indumathy and Raghul B S	1843
335.	Improved Lung Cancer Detection through Use of Large Language Models with Imaging and Symptoms Gopi Vardhan Vallabhaneni, Yelisetty Shanmukh Rahul and K. Shantha Kumari	1849
336.	MaIntenance of Web Development Standard for Multiple Devices with Serverless Computing through Cross Browser Affinity Using Hybrid Optimization Bangar Raju Cherukuri	1855
337.	Optimization of Data Structures and Trade-offs with Concurrency Control in Multithread Software Structures Using Artificial Intelligence Bangar Raju Cherukuri and V. Arulkumar	1860
338.	Development of Design Patterns with Adaptive User Interface for Cloud Native Microservice Architecture Using Deep Learning with IoT Bangar Raju Cherukuri	1866
339.	AI Based Ontology-Driven Information Retrieval for Health Information Systems Suguna M, M.Sangeetha, N. Shanmugapriya, Pavithra G and V.Anandkumar.	1872
340.	Secure Data Transmission Based on Artificial Intelligence Using IoT in Security Systems Senthil Kumar S, R. Maruthaveni, N. Jayanthi, Ajay Kumar Yadav and T. R. Kalaiarasan	1876
341.	Coal Characterization and Classification by IDNN Innovation Contrasts with LENET-5 and CNN Techniques M. Praveena, Afsana A, T. Durga Devi and S. Sudharsan	1881
342.	Technical Report on Integrating IoT into Realities: Metaverse and Augmented Reality Surbhi Kuhara, Amanpreet Kaur and Priyanka Datta	1888
343.	Efficacy of Augmented Reality in Chemistry Education: A Concept Note Swati Singh and Amanpreet Kaur	1894
344.	Accountability of Immersive Technologies in Healthcare: A Review Ashna Sukhija, Hitesh Goyal, Bhanu Sharma and Sheena Angra	1898
345.	Enabling Autonomous Digital Marketing: A Machine Learning Approach for Consumer Demand Forecasting	1903

	Kanika Singhal, J.N. Singh and Vishnu Sharma	
346.	Flight Delay Prediction Using Machine Learning Techniques Yash Tijil, Nripendra Dwivedi, Satyam Kumar Srivastava and Anmol Ranjan	1909
347.	A Hybrid Cryptographic Algorithm for Resource-Constrained IoT Devices S. Metilda Florence, Stavim Alban and Harish Mogalipuvvu	1914
348.	Synergistic Fusion of U-Net and DeepLabV3+ for Enhanced Lung Disease Segmentation: A Comprehensive Evaluation and Performance Analysis Rakhi Gangal, Prashant Johri, Avneesh Kumar, Asmita Dujawara and Deergh Sharma	1919
349.	Lossless Image Compression Using K-Means Clustering in Color Pixel Domain Rimjhim Kumari and Srinivasan Sriramulu	1925
350.	Unmasking the Illusion: Deepfake Detection through Mesonet Akanksha Gupta and Dilkeshwar Pandey	1934
351.	Deepfake Videos Generation and Detection: A Comprehensive Survey Akanksha Gupta and Dilkeshwar Pandey	1939
352.	Usable and Secure Graphical User Authentication Afrah Nazir and M. Sarosh Umar	1945
353.	Comparison of Various Machine Learning Algorithms in Predicting Air Quality Tanisha Madan, Shraddha Sagar and Deepali Virmani	1951
354.	A New Puzzle Strategy for PV Arrays Under Shadings Manjari Gautam, Usha Chauhan and Kavita Singh	1956
355.	Evaluation of Secure Methods for Migrating Virtual Machines to the Cloud Harmeet Kaur and Shubham Gargrish	1961
356.	A Novel Ranking Mechanism for Selecting Suitable Attributes for Software Error Prediction Anurag Mishra and Ashish Sharma	1969
357.	Algorithm Visualizer for Deaf and Hard of Hearing Students: Enhancing Education through Visual Learning Shreya Dutta, Prakhar Srivastava and P. Kanmani	1975
358.	Successful Integration of IoT and Blockchain Technologies Using Several Machine Learning Algorithms C. Calarany, Indumathy. M, P.Senthilraja, D. Suganya, Gopi Vardhan .V and Yelisetty Shanmukh Rahul	1980
359.	Transformative Impact of Emerging Technologies Like AI, ML and DL in Higher Education Pragati Mishra, N. Partheeban and E.Rajesh	1985
360.	A System for Authomatic Decision-Making Using Fuzzy Soft -Sets Rashmi Singh, Prakhar Singh and Gaurav Agarwal	1991
361.	Secure Access Control of Cloud Data Using DNA Computing Tarun Kumar, Prabhat Kumar and Suyel Namasudra	1996