

2022 6th International Conference on Intelligent Computing and Control Systems (ICICCS 2022)

**Madurai, India
25-27 May 2022**

Pages 1-623



**IEEE Catalog Number: CFP22K74-POD
ISBN: 978-1-6654-1036-6**

**Copyright © 2022 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:	CFP22K74-POD
ISBN (Print-On-Demand):	978-1-6654-1036-6
ISBN (Online):	978-1-6654-1035-9
ISSN:	2768-5322

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

**6th International Conference on Intelligent Computing and
Control Systems (ICICCS 2022)**

May 25-27, 2022

Table of Contents

S. No	Paper Title/ Author Name	Page. No
1	Control System Software Execution During Fault Detection Kamaraj Thangavelu	1
2	Application of Computer Numerical Control and Monitoring Techniques in Mechanical Processing Xueyun Huang	6
3	Application of Hybrid Intelligent PLC in Manipulator Remote Control System Hongyao Guan, Rong Liu	10
4	A Relative Study on Various Control Strategies used in Induction Motor Applications Amily Peenaz Hussain, Moushumi Patowary	14
5	Automatic Vehicle Entry Control System Chandni Mangwani, Isha Lad, Pratham Mandore, Rohan Kulkarni, Tanmay Lonkar, Milind Kamble	22
6	Design and Multi-platform Realization of Electric Automation Control System based on Computer Technology Rongle Ding	29
7	Chaotic Data Analysis of Autonomous Mobile Robot Motion Control Changgan Zhao	33
8	Surveillance based Spotting and Categorization of Automobiles Priyadharshini K V, Aswanthi D S, Nithya Bala G, Sheela X, Subhanu K	37
9	Resolution Reconstruction using Patch-Match and Wavelet Decomposition Sangeetha Muthiah, A. Senthilrajan	43
10	Vulnerabilities Exploitation in Automative Hacking using Hardware and Software Implementation Jesudoss A, Suji Helen, Christy A, Meena S, Mercy Theresa, Sudha Rajesh	50
11	Modeling and Performance Analysis of a SOFC in Small Scale Stand Alone DC System Snehashis Ghoshal, Sumit Banerjee, Chandan Kumar Chanda	55
12	Analysis of Automatic Gender Prediction in Social Media by using XGBoost Algorithm Akhila Pasagadugula, Emmady Varsha, T. Prem Jacob	61
13	Detection of Hatefulness in Memes using Unimodal and Multimodal Techniques Aruna Bhat, Vaibhav Varshney, Varun Bajlotra, Vishesh Gupta	65
14	An Efficient Vision based Method for Detecting Drowsiness in Real-Time Rahul Pulluri, Ranjana P	74
15	Design of Training Online System based on Ambari Agile Development Mode and Systematic Code Optimization Min Chen, Tao Yang	79
16	Vocal Intelligence Training System for Music Performance Majors based on Multi-Point Signal Recognition and Fusion Mei Zhao	84

17	Implementation of Steganography Model in Data Transmission using LabVIEW Chalapathi Raju Kanumuri, Kothapalli Phani Varma, Alluri Harishvarma, M. Praveen Kumar, T. Ravi Chandra	89
18	Low Cost VOIP System Incorporation with Raspberry Pi Nikitha Reddy Nalla, Sakthivel S, Shankar R	94
19	Lane Detection and Steering Control of Autonomous Vehicle Sharmitha D, Thirumoorthi P	100
20	A 2D-CNN-Scalogram based Approach to Classify the Mental Tasks using EEG Signals Anuradha Chaudhary, Aruna Tyagi	106
21	Automatic Pit Digging Robot for Seed Sowing Karthikeyan R, Kovarthan S, Keerthivasan S, Mathivanan S, Nithya Priya S, Kavin Bharathi T K	113
22	Arduino Nano based Smart Glasses Girinath N, C. Ganesh Babu, Chandru, Surendar R, Sabarish V, Abhirooban T	118
23	Integrating Electric Vehicle(EV) in Waste Management for Garbage Collection using LoRa Technology Amareshwar Karatagi, Babu Peter R, Shubham R, Rajashekhar C Biradar, Geetha D Devanagavi	121
24	Comparative Performance Analysis of Multilevel Inverter through Meta Heuristics Siddhanta Pani, Neelakantha Guru, Debendu Puhan, Ajit Kumar Barisal	129
25	Grid-Connected Hybrid PV Power System Performance Analysis using Unified Power Flow Controller Indraneel Bhawoorjar, Prashant Jagtap	136
26	Semi-supervised Learning with GANs for Melanoma Detection Nidhi Agarwal, Vikas Singh, Pratham Singh	141
27	Analysis of Deep Steganography Robustness using Various Loss Functions Vamshi Chekatamala, Malathi P, Gireesh Kumar T	148
28	Design and Embedded Development of MathML Network Mathematical Formula Editor Lihong Xue	154
29	Dynamic Data Modeling and Analysis based on Simulink Engine Throttle Digital Control FPGA System Changgan Zhao	158
30	Intelligent Control Simulation of Agricultural Machinery Field Steering based on PWM Signal Baoyi Fang, Chunyan Sun	162
31	Performance Analysis of Bit Error Rate, Capacity and Outage Probability using Power Domain Non-Orthogonal Multiple Access (PD-NOMA) and Orthogonal Multiple Access (OMA) With Far/Near User B. Pavithra, Parnasree Chakraborty	166
32	Two-level Filtering Learner Applied to a Noisy Malware Dataset Eman Allogmani, Darsana P. Josyula	171
33	A Novel Approach on Infrared (IR) based Thermal Detection for TSVs R. Raja Sudharsan, V. Vishnu, R. Bhuvaneshwaran, V. P. Sundaraesh, R. Raja Subramanian	179
34	Concept of Thermal Management to Minimize the Scaling Down of Electric Vehicle Driving Reach R. Dhanasekar, L. Vijayaraja, S.Sai Isha, K. Vanitha, S. Reshma	184

35	Comparative Analysis of Forecasting Models for Air Quality Index Prediction Shailender Kumar, Abhay Lodhi, Abhi Chauhan, Amrit Kumar	190
36	Intelligent Optimization Algorithm for Employee Performance Appraisal of Internet Companies based on Time Series Model Huixia Kuang	196
37	Research and Development of Pure Electric Vehicle Air-Conditioning Controller based on Fuzzy Control Algorithm Chunyan Sun, Baoyi Fang	200
38	Analysis of Middleware Software Fusion method of BIM Technology in Mechanical and Electrical Installation Engineering Jiamin Zhao	204
39	The Innovation of Visual Communication Thinking Mode Applied to Computer Graphics: from the Perspective of CAD Design Haodong Wang, Xiujun Wang	208
40	Sports Industry Information Service Model based on Optimization of Mobile APP Architecture Xiaoni Man, Peng Cheng	212
41	An analysis on Generation of Power from Various Clean Energy and Capacity to Meet the Power Demand L. Vijayaraja, R. Dhanasekar, K. Narmadha, S. Snega, V. Kanakasri, S. Raadha	216
42	Design and Optimization of Solar using MPPT algorithm in Electric Vehicle Akib Ali Batt, Rafooz Ahmad Bhat, D. B. Pardeshi, P. William, Snehal Sumit Gondkar, Harpreet Singh Matharu	226
43	FPGA Implementation of Multibit LFSR as Key Generator for AES Encryption Niraj Mohan Nambiar, Rajewsari P, Rahul Lal	231
44	Advancement of Hybrid Energy Storage System with PWM Technique for Electric Vehicles Yogeshwar Balasaheb Najgad, Shital Namdev Munde, P. S. Chobe, D. B. Pardeshi, P. William	238
45	Smart Charging Station for Electric Vehicle with Different Topologies Rohit Bal Ghoderao, Shubham Raosaheb Balwe, P. S. Chobe, D. B. Pardeshi, P. William	243
46	Portable Hyperbaric Oxygen Therapy for Emergency Mathankumar S, Vaishnodevi S, Vinod Kumar D, Murali. G	247
47	COVID-19 Prediction using LSTM Nandhini S, Rohith Varma D, Raghavendra J	254
48	Braille Text to Speech Conversion M. K. Snigdha, Lokesh Pappala, D. V. Joshita Lavanya, N. Sankeerthana, A. Srisaila	260
49	Support Vector Machine based Short Term Solar Power Prediction Udaya Baskar G, Vishwa Kiran N, Uday Kumar P, Syama S	264
50	Use of Mechatronics and Software-as-a-service for Enhancing Total Quality Management in the Manufacturing Industry S. Baskar, Shiv Mehta, Gulmira Abisheva, Aislu Minayeva, Gulzhan Seidullaeva, Shaik Fasi Ahamad	270
51	Improved English to Hindi MT using Long and Short Term Memory Paridhi Gupta, Brijendra Kumar Joshi	276
52	New Electronically Tunable Immittance Simulator using CBTA and its Filtering Applications	282

	Sumit pushpam, Kapil Bhardwaj, Mayank Srivastava	
53	FPGA Implementation of Approximate Multiplier with Edge Detection Application Ammu Ravindran, Rajeswari P	287
54	An Ethereum based Fake Product Identification System using Smart Contract Balasubramani S, Rohit Singh, Soumen Pramanick, Dhananjay Kumar	292
55	Kinematic Analysis on Specific Joints During Practice of Sun Salutation Yoga Postures Sanika Prakash, AshokKumar Devaraj, Varshini Karthik	297
56	Real-Time Motion Analysis of Middle-Aged and Aged people using IMU Sensor Srija.S, Ashokkumar Devaraj, Varshini Karthik	304
57	Research on Cross-coupling Synchronous Controller of Permanent-Magnet-Synchronous-Motor-Driven H-type Platform Lin Chen, Yufen Li, Junru Ji	311
58	Impedance Source Inverter with Maximum Gain Saima Ashraf, Santosh Sonar, Subha Maiti	315
59	Analysis and Comparison of Impedance Source Inverter with Different Suitable PWM Approaches Subha Maiti, Santosh Sonar, Saima Ashraf	321
60	Solar based Manhole Surveillance System (SMSS) S. Sundararajan, R. Santhana Krishnan, B. Sumathi, D. Rachel, N. Iswarya, K. Manju	327
61	Prediction of Customer Spending Score for the Shopping Mall using Gaussian Mixture Model comparing with Linear Spline Regression Algorithm to reduce Root Mean Square Error K. Rajesh, Saravanan. M. S	335
62	Recognition of Sign Language with CNN Venkata Rao Maddumala, B. Sneha Sandhya, T. Sai Maneesha, D. Mamatha, G. Bhargavi	342
63	A Peculiar Approach for Hotel Recommendation System using SVR Algorithm Over Matrix Decomposition for Improved Accuracy B. Gopikrishna, Ashwini. S	348
64	Role of MD5 Message-Digest Algorithm for Providing Security to Low-Power Devices K. Kranthi Kumar, E. Ramaraj, B. Srikanth, A. Srinivasa Rao, PBVN Prasad	352
65	Intelligent Internet of Things based Flood Management System Himanshu Rai Goyal, Kamal Kumar Ghanshala, Sachin Sharma	359
66	Wearable Technology based Face Alert System to Curb the Spread of Covid-19 Isha Mudgal, Naman Mehrotra, Kalpna Sagar, Shrankhla Saxena	366
67	Desktop based Smart Voice Assistant using Python Language Integrated with Arduino Akash S, Neeraj Jayaram, Jesudoss A	374
68	Insight into the Internet of Medical Things (IoMT): Health Services and Applications Aswathy Ravikumar, Balaji V	380
69	Analysis of Post-Quantum Cryptography for Internet of Things Sajimon P C, Kurunandan Jain, Prabhakar Krishnan	387
70	Alcohol Detection and Emergency Alert System using IoT D. Prem Raja, G. Barkavi, S. Aishwarya, K. Keerthana, V. Vasudevan	395

71	Security Augmentation Approach for Internet of Things Enhanced Cryptographic Algorithm S. B. Kumbalavati, Kirankumar Y. Bendigeri, Jayashree D. Mallapur, Piyushkumar Pareek, Mahesh S. Patil	401
72	Climatic Data Acquisition using Sensor Interfaced Raspberry System T. Bernatin, J. V. S. Sriram, P. Tejas Sai, Sahaya Anselin Nisha, Revathy, Jayapriya	406
73	State-of-the-art Analysis on the Design Parameters of Distributed Transformer using IoT D. S. Naga Malleswara Rao, Rishi Sundara, R. Vamshi Krishna, M. Ayyan Varma, S. Srujan, B. Sai Prasad	410
74	Internet of Things based Smart Students' body Temperature Monitoring System for a Safe Campus G. Sivasankar, S. Balaji, N. Vignesh	416
75	Role of Internet-of-Things (IoT) and Sensor Devices in Smart Agriculture: A Survey S. Viswanathan, K. Sathesh Kumar	421
76	Priority Queueing Model-based IoT Middleware for Load Balancing Ajay. P, Avinash Sharma, Dankan Gowda V, Anil Sharma, Kumaraswamy S, M. R. Arun	425
77	IoT Enabled Smart Farming: A Review Akshatha Y, A S Poornima	431
78	Smart Distributed Parking System using Internet of Things Getzi Jeba Leelipushpam Paulraj, Immanuel Johnraja Jebadurai, Pathan Firoz Khan, Neela Sumanth, Kothapally Vishal Reddy	437
79	IoT based Solar Energy Monitoring and Fault Detection Radhika A, Boopathi R, Dinesh Kumar R, Ezhil Bharathi P, Giri Prakash N	442
80	Design of Intelligent IoT System for Construction Engineering based on BIM and Virtual Reality Technology Jiamin Zhao	447
81	Design of a Novel IoT Framework for Home Automation using Google Assistant Snehal Sumit Gondkar, P. William, D. B. Pardeshi	451
82	Design and Development of Pulse Oximeter using Internet of Things D Ramesh Reddy, N Saketh, D Vijay Sai	455
83	Data Fusion Opportunities in IoT and its Impact on Decision- Making Process of Organisations M Sethu Ram, Anusha Sreeram, Mahizharuvi Poongundran, Pawan Singh, Yogendra Narayan Prajapati, Saltanat Myrzahmetova	459
84	Smart Car Parking Management Through Online Booking Raji C, R Manu, Prajwal H O, Prashanth H V, Preetham S	465
85	IoT based Industrial Automation for Various Load using ATmega328P Microcontroller P. Ramakrishnan, Hari Prasath S, Harish L, KrishnaKumar E	471
86	Automated Irrigation Management System using IoT Satya Sandeep Kanumalli, Surya Jahnvi Mantena, Swapna Kandula, Keerthi Doppalapudi, Tejaswini Atluri	476
87	Hardware Platform For Signal Processing And Data Interface For Configurable IFF Radar Vikas Kumar, Kathirvel R, Ranjith Kumar V	483

88	Internet of Things (IoT) based Patient Health care Monitoring System using Electronic Gadget Jenifer. M, Charlyn Pushpa Latha. G, Rinesh. S, Thamaraiselvi K	487
89	RFID based Toll Gate Management System using IoT Monitoring Dhinesh M, Dineshkarthick S, Gopalakirushnan R, Kishore P, T. Bharani Prakash	491
90	A Low Energy Consuming Routing Protocol for Wireless Sensor Network with IoT Devices T. Palaniappan, Senthilkumar B, S. R. Anbunathan, P Gayathri Devi	495
91	Structured Data Collection Algorithm for Wearable Device in IoT and WSN K. Neela, Janani. G, S. Saranya, Sangar Subramaniam	501
92	Detecting and Securing Internet of Things from Wormhole attacks in a Wireless Sensor Networks Karthikeyan Thangavel, M. Gayathri Lakshmi, S. Sathiya Priya, Sathiyandrakumar Srinivasan	507
93	A Novel IoT Based Smart Garbage Monitoring System Ranjitha R, Darshana Jain N, Deepika J, Deepika S, Hima M	513
94	Non-Invasive Vital Health Monitoring of Senior Citizen with Wearable-IoT Sensor Node Dinesh Anton Raja. P, Arunachalaperumal. C, M. Rekha, T. D. Subha, D. Kalaiselvi, Aswin Kumar. V. V	519
95	Hypermimetic Logic and Communication Mechanism of Internet Memes Modelling Considering Chinese Haze Duanzi as Sample Ling Liu, Cheng Yu	525
96	Research on Application of Fractional Calculus and Fish School Algorithm in Statistics under the Background of "Internet+" Qianru Guo	533
97	Application of Internet Fusion Document Recognition in the Realization of Legal Wisdom Guiding Platform with R Jing Wu	537
98	Club- A web based operating system R. Murugeswari, Harini Ravella, Dilshad Patan, Dakshayini Sanikireddy	541
99	Intelligentization of Tourism Japanese Environmental Scenic Spots based on Intelligent Translation Hardware System Xiaoyan Shan	548
100	Research on Intelligent Front-end Development based on Structured Process Data Tracking Xiaoqing Wang	552
101	Research on the Application of 3D Scanning Measurement in the Information Integration System of Building Construction in the Internet Era Xiahong Liu	556
102	Research on Information Technology in the Factory Production of Edible Fungi Li Yao, Min Huang, Jiang Rui Wang	560
103	Development and Application of Karst Foundation Evaluation System based on GIS Wei Tang, Tingliang Wu, Bin Liu	564
104	Improving Task Scheduling in Microservice Environments by Considering Intra-Job Dependencies Phalachandra H L, Pranav Bhatt, Ishitha Agarwal, Rishith Bhowmick	568

105	A Survey on Security Threats in Cloud Computing Service Models Janhavi Chavan, Ruchira Patil, Shivraj Patil, Vitthal Gutte, Shridevi Karande	574
106	Detection of Osteoarthritis by using Multiple Edge Detections J. Deny, P. Nagaraj, V. Maneesha, B. Perumal, K. Alekhya, S. Amarnath Reddy	581
107	Cloud Load Balancing using Meta-Heuristics Gokul M, Balamurali M	589
108	Synchronous Dislocation Scheduling Quantum Algorithm Optimization in Virtual Private Cloud Computing Environment Xikui Lu, Shihua Tang	596
109	Numerical Analysis of Synchronous Dislocation Scheduling Algorithm Optimization in Shared Cloud Computing Environment Xikui Lu, Shihua Tang	600
110	Cloud-Assisted Classroom: Current Strategies and Future Prospects Laxmi Sharma, Nishith Sharma, Sharath Anand, Sudhir K Routry	604
111	Data Integrity Auditing Scheme for Preserving Security in Cloud based Big Data A. Vineela, N. Kasiviswanath, C. Shoba Bindu	609
112	A Survey on AWS Cloud Computing Security Challenges & Solutions Shilpi Mishra, Manish Kumar, Niharika Singh, Stuti Dwivedi	614
113	Proxy Re-encryption Approach to Avoid Illegal Content Sharing in Cloud Benil T, Sheeba R, Bharath K, Ajay S, Muthukumaran M, Meiyappan S	618
114	Computer-Aided "Learning Community" Pathophysiology Cloud Laboratory Design and Hardware Implementation Lingfen Xu	624
115	Cloud Computing based Medical Assistance & Pill Reminder A. Chinnasamy, Ram Prasad J, Syed Rafeeq Ahmed, Akash S	628
116	Modified DMGC Algorithm using ReLu-6 with Improved Learning Rate for Complex Cluster Associations Sohaib Mansuri, Sumit Kumar Gupta, Dharendra Pratap Singh, Jaytrilok Choudhary	634
117	Multi-channel Information Collection and Intelligent Macro Analysis Algorithm for Rural Revitalization based on Database System Optimization Lifeng Zhang	641
118	Machine Learning in 6G: The Future of Wireless Communication Sutapa Sarkar	646
119	A Systematic Review on Channel Estimation Methods with Optimal Pilot Design in mmWave MIMO for 5G Applications Bely D Mathews, M. Tamilarasi	653
120	A Review of Various Channel Estimation Techniques for Multicarrier Systems in 5G/6G Wireless Communications Guntukala Surendher, Tipparti Anil Kumar, Dhiraj Sunehra	659
121	Computer Simulation Study on the Relationship between the Tensile Fracture Behavior of Aircraft Composites and the Fiber Strength Distribution Lei Kong	664
122	Analysis of the Distributed Network Integrated Online Sports Detection System Yongjun Wang	668
123	The Application of Virtual Metacognitive Network Model in Preschool Guiding Art Network Teaching Shujing Xue	672
124	Robust Information Center Implementation of College English Training under the Network Computer Aided System Environment Considering QoS	676

	Yi Wang	
125	Analysis of the Dissemination Topology Network and Inheritance of Chinese Folk Music Culture based on the Deep Retrieval Algorithm of Internet Information Liqun Wu, Chengzhen Li	681
126	Social Networking Web Application for Student Interactions with Quality of Service V. Lakshman Narayana, G. Mounika, P. Jhansi Lakshmi, T. Bhavani, M. Chandana	686
127	Study of Clustering Schemes in Mobile Ad hoc Networks Sarumathi R, V. Jayalakshmi	694
128	A Novel Multiobjective Optimization for Tourism Route Based on Improvement ACO Method and Topology Optimization Wei Niu	701
129	Research on the Sharing Mode of Library Information Resources under the Network Service Platform Qizhi Sun	705
130	Co-operative Hybrid Blind Spectrum Sensing for Cognitive Radio Pushpalatha V, Kiruthika C	709
131	An Analysis of Energy Efficient Clustering based Techniques in WSN Shalika, Uma Meena, Ajay Agarwal	715
132	Hybrid based Optimization with Unequal Clustering and Mobile Sink for Wireless Sensor Networks J. Amutha, Sandeep Sharma, Sanjay Kumar Sharma	722
133	SVM based throughput Maximization in Cognitive Radio A. Jaya Lakshmi, Jada Shalini Singh	729
134	Review based on Variations of DBSCAN Algorithms Ankit Bhardwaj, Ankit Pandey, Sonika Dahiya	733
135	A Comparison of Apriori Algorithm and Apriori with Hashing Algorithm Arjun Malik, Mihir Agarwal, Sonika Dahiya	740
136	Finding Optimal Routes in MaaS Framework using ParetoBFS Poojarini Mitra, Zeenat Rehena, Nandini Mukherjee	745
137	A Literature Survey based on DBSCAN Algorithms Harsh Vardhan Singh, Ashwin Girdhar, Sonika Dahiya	751
138	Impact of Driver Behavior in VANET Data Transmission Balasubramani S, D John Aravindhar	759
139	Research on Management Mode of Agricultural Products Logistics Supply Chain based on Information Network Xu Wang	765
140	The Design of Computer Network based Intelligent Tourism System Ying An	769
141	Performance Assessment of Routing Protocols in an Internet of Things by Communicating in a Wireless Sensor Networks D. Jaganathan, Archana T, S. Saranya, Sathiyandrakumar Srinivasan	773
142	Improving Privacy in Blockchain by Combining Group Signature and Groth-Sahai Certification System Mohammad Naserameri	781
143	Research on China's National Cultural Security Data Collection and Intelligent Analysis Framework in the New Era under the Networked Big Data Weiqiang Wang	786

144	Intrusion Detection and Prevention Algorithm of Teacher Management Information System in Private Higher Vocational Colleges based on AvroAvro framework Jun Zhao	790
145	Scoping Analysis of Leveraging IoT with Blockchain for Monitoring and Ensuring Efficacy of Vaccine Cold Chains Binu Kuriakose Vargis, Mohammad Shabbir Alam, Kamal Upreti, Ranjana Dinkar Raut, Nishant Kumar, Siti Zura A. Jalil	795
146	Authenticated-Encryption in the Quantum Key Distribution Classical Channel Using Post-Quantum Cryptography Avani Prakasan, Kurunandan Jain, Prabhakar Krishnan	804
147	Supply Chain Management Finance Application in Bank Official Website using Blockchain B. Barani Sundaram, Amit Pandey, Vijaykumar Janga, Desalegn Aweke Wako, Assefa Senbato Genale, P. Karthika	812
148	Theoretical Evaluation of Securing Modules for Educational Chatbot Milind H Shah, Mahesh Panchal	818
149	Applicability of Visual Cryptography and MAC Address in Online Voting System Security Swatantra Sharma, Rishabh Singhal, Mayank Agarwal, Jitesh Singh, Ajeet Sharma	825
150	EduCrypto: Transforming Education using Blockchain Sagar Badlani, Tanvi Aditya, Sarthak Maniar, Kailas Devadkar	829
151	Developing Virtual Police Station to Receive FIR Through Digital Signature Swetha M S, Praveen N M, Muneshwara M S, Rakshith Danti	837
152	Detecting Communication Network Anomalies and Intrusions G. Shanmugavadivel, S. Gopinath, K. Gowtham, M. Mugesh	845
153	Deep Learning based Residual Attention Network for Malware Detection in CyberSecurity Ruchi Sharma, Shreyas Deshmukh, Amartya Mannava, Pulkit Birla	851
154	An Analysis of Various Techniques in Blockchain Applications Shanthi P, K. Venkatesh	857
155	Secure E-Health Record Sharing using Blockchain: A Comparative Analysis Study Moses Dayanand Kondepogu, Andrew J	861
156	A Comprehensive Analysis on Predictor Models for Intrusion Detection using Mining And Learning Approaches Yadala. Prabhu Kumar, Burra. Vijaya Babu	869
157	A Novel Password Secure Mechanism Using Reformation Based Optimized Honey Encryption And Decryption Technique T. Nirmalraj, J. Jebathangam	877
158	Fuzzy Inference System based Non Fungible Token Forum Application Mohammed Mohassen Amanullah, Sainath Arjun, Kavisankar Leelasankar	881
159	Security based Contactless Covid-19 Doorbell using Internet of Things U. Lokesh, M. Logeshwaran, J. Joselin Jeya Sheela, Shabanabegum SK	885
160	Managing Information and Network Security using Chaotic Bio Molecular Computing Technique Fahd bin Abdullah Al-Qanour, Sivaram Rajeyyagari	893
161	GPU Accelerated QoSE based Web Service Selection Framework N. G.Swetha, G.R.Karpagam	897

162	A Compendious Research on Big Data File Formats Arnav Gohil, Anshul Shroff, Arnav Garg, Shailender Kumar	905
163	Intelligent Automatic Platform for Compilation of Engineering Practice Textbooks in College based on Deep Big Data Intelligent Retrieval Algorithm Xianggui Wei, Shuigen Fu, Paixia Li, Keyan Zhang	914
164	Optimization of Library Decision-Making Mechanism under Big Data Environment: based on Environmental Sensing Technology Jinju Feng	919
165	Real-Time Platform Design to Improve the Efficiency of Hainan Port Logistics Operation Under the Background of Big Data Haipeng Mo, Chun Deng	923
166	A Visualization Platform for the Influence of the Internet and Big Data on Social Governance Research and Practice Feng Gao	927
167	AHP Evaluation of Intelligent System of Enterprise Human Resource Management in the Era of Big Data Tingting Wen	931
168	Research on Photovoltaic Anti-reflection Technology based on Big Data Chongfei Xin	935
169	Big data and ML: Interaction & Challenges Pawan Sen, Rashi Jain, Vaibhav Bhatnagar, Suhaib Illiyas	939
170	Evaluation of Financial Risk Efficiency based on Big Data and Quantum Neural Network Mo Zhou	944
171	Gamification with Datathon: An industry case study on COVID-19 Swati Tayal, K. Rajagopal, Vaishali Mahajan	948
172	Development of Tomato Leaf Disease Prediction System to the Farmers by using Artificial Intelligent Network K. Muthamil Sudar, P. Nagaraj, Bhanu prakash, M. Madhusudhan Reddy, M. Mallikarjuna Naidu, Hemanth Kumar	955
173	iBraille - An Arduino based Assistive Technology for the Blind Jagatheeswari M, S. Ewins pon Pushpa, T. Jayasree, Aruna. S, Gaayathri. K. K, Gayathri. K.R	962
174	A Study on NLP based Approach in AI and Text Data Mining for Automated Highlighting of New Information in Clinical Notes Swapnaneel Dhar, Sushanta Das, Swanirbhar Majumder	966
175	Facial Emotion Recognition using Artificial Intelligence Techniques Nidumukkula V N D S Rahul, Sukamanchi NagaIndira S Geethika, Vemulakonda Gayatri, K Pranathi	973
176	Multi-Level Integration Analysis of Artificial Intelligence in Computer Network Technology Zeming Xiong	978
177	Dynamic User Allocation Method and Artificial Intelligence in the Information Industry Financial Management System Application Xiaoyan Xiong, WenXiu Wei, Chunhui Zhang	982
178	Artificial Intelligence in Smart City Applications: An overview Ashwini B P, Savithamma R M, R Sumathi	986
179	AI and Deep Learning-driven Chatbots: A Comprehensive Analysis and Application Trends Santosh K. Maher, Suvarnsing G. Bhable, Ashish R. Lahase, Sunil S. Nimbhore	994

180	Construction of the Intelligent Interactive System of Architectural Construction Drawing Design based on the Online Course Platform with MOOC Yuanyuan Liu	999
181	Face Mask Detection using Artificial Intelligence for workplaces Ruchi Sharma, Anmol Sharma, Raunak Jain, Soham Sharma, Sreshtha Singh	1003
182	AI-based Solutions for ADAS S Shruti, Shravya M, Spurthi Mohan, Suhail Y, Radha R C	1009
183	Automated Detection of COVID-19 from Chest X-Rays using CNN Surbhi Anand, Nilesh Nishant, Tanyam Singal	1013
184	Residual-Concatenate Neural Network with Deep Regularization Layers for Binary Classification Abhishek Gupta, Sruthi Nair, Raunak Joshi, Vidya Chitre	1018
185	Underwater Image Enhancement with Feature Preservation using Generative Adversarial Networks (UIEFP GAN) Aruna Bhat, Yogesh Narang, Yogesh Goyal	1023
186	Retinal Image Processing using Neural Network with Deep Learning Santhosh Kumar M, Shiva M, V. Maria Anu	1030
187	Application of Open Multimodal Information System in the Design of Chinese Culture And Educational Network Community based on Neural Network Cunyou Cao	1037
188	Design of Minority Student Management System in Higher Vocational Colleges Under Private Network Environment: based on Identification and Retrieval Algorithm Dan Zhao, Yangbing Jia	1042
189	A Study: Hate Speech and Offensive Language Detection in Textual Data by using RNN, CNN, LSTM and BERT Model Anuj Kumar	1046
190	A Hydropower Project Investment Estimation Model based on Chaos BP Combined Neural Network Lei Wang	1052
191	A Novel Lightweight CNN Model for Real-Time Video Fire Smoke Detection Sudhakar K, Avanthika T, Visali J, Nivithaa S	1056
192	A Deep Convolution Neural Network Framework for Detecting Depression S. Mohanraj, S. Balasubramaniam, V. Kannan, D. Jeeva	1061
193	Convolutional Neural Networks- Bidirectional Long Short Term Memory based Fake Review Classification Raghavendra Reddy, Ashwin Kumar U M	1069
194	Detection of Diabetic Retinopathy with Retinal Images using CNN Samiya Majid Baba, Indu Bala	1074
195	Accurate Brain Tumor Segmentation and Classification using CNN S. Mohanraj, R. M. Saran, R. Sakthi, S. Shafiq Mohamed	1081
196	Hybrid Classification Model by Using CNN to Detect COVID-19 & Chest Related Problems Narisetty Srinivasarao, Tiyyagura Chandra Reddy, Kokkiligadda Pushpa Latha, Killamsetti Suguna, Bhimavarapu Bhavana Reddy	1087
197	Assistance Technique for Fiducial Localization in MRI images with Subslice Classification Neural Network Pranav Kant Gaur, Abhilash Bhardwaj, Venkata P. P. K, Dinesh Sarode, Abhishek Mahajan	1092

198	Traffic Signs Recognition using R-CNN E. Amrutha Varshini, J. Likitha, N. Aswini, A. Hema Nandini, MD. Naziya	1098
199	Optimized Convolutional Neural Network based Multiple Eye Disease Detection and Information Sharing System C Chellaswamy, Geetha T S, Ramasubramanian B, Abirami R, Archana B, Divya Bharathi A	1105
200	K Nearest Neighbor based Crop Yield Prediction Model V. Lakshman Narayana, G. Prathima, M. Ruchitha, P. Divya Tejaswi, Ch. Uma Sowjanya	1114
201	Optimized Convolutional Neural Network Model for Fire Detection in Surveillance Videos Moin Ahmed, Abhinav Gupta, Mohit Goel, Shailender Kumar	1121
202	A Novel Model for Emotion Detection with Multilayer Perceptron Neural Network M. Muthumari, V. Akash, K. PrudhviCharan, P. Akhil	1126
203	Classification of Image using Deep Neural Networks and SoftMax Classifier with CIFAR Datasets MadhanMohan S, E. Karthikeyan	1132
204	Detection and Classification of Dental Defect using CNN Kaarthik K, Vivek G, Dineshkumar K, Balasubramani A	1136
205	Design and Development of Home Automation System through ANN Surya G, Elavarasi D, Deepa K, Uma Mageshwari S, Mercy P, Sheikameer Batcha S	1143
206	A Review on Sentiment Analysis of Social Media Networks using Deep Learning V.Geetha, N.Sujatha	1149
207	Driver Safety and Assistance System using Machine Learning & IoT Yash Chaturvedi, Naveen Kumar Tiwari, Ronak Jain, Himanshu Sharma	1155
208	A Comparative Analysis of Deep Learning Algorithms for Skin Cancer Detection Priya Singh, Mayand Kumar, Aman Bhatia	1160
209	A Study on Automatic Detection of Cyberbullying using Machine Learning Asif Ahmad Khan, Aruna Bhat	1167
210	Automated Machine Learning-Algorithm Selection with Fine-Tuned Parameters Avinash M, Nithya M, Aravind S	1175
211	Traffic Classification of SDN Network using Machine Learning Algorithms Nerella Pavan Kalyan Goud, G. Sai Charan Reddy, A. Maryposonia	1181
212	HCB Machine Learning Approach for Movie Recommendation System Samheeta Gourammolla, S Gokila	1186
213	Churn Prediction in Banking using ML with ANN Yarnagu Kavyarshitha, Venati Sandhya, Malini Deepika	1191
214	Anxiety Prediction during Stressful Scenarios using Machine Learning V Manikanta Sanjay, Ankith I, Dhanush Gc, Akshaya HP, Jahan Malik, Tejaswini Bn	1199
215	A Novel Technique for Prophecy of Brain Strokes Saravanan Alagarsamy, Thippareddy Tarun Kumar Reddy, Bandi Praveen Kumar, Penugonda Sai Vineeth, A. Senthil Kumar	1203
216	Analysis of Uneven Stroke Prediction Dataset using Machine Learning Atul Kumar Uttam	1209
217	A Survey on Deep Learning Techniques for COVID- 19 Detection using Medical Imaging Harsh Jain, Bhanu Pratap Singh, Aryan Rana, Aruna Bhat	1214

218	Big Data Statistics Analysis of Computer Intelligence and Machine Learning Technology Desalegn Aweke, Assefa Senbato Genale, Marta Legese Bedada, Amit Pandey, Vijaykumar Janga, B. Barani Sundaram	1220
219	Prediction of Diabetes using Machine Learning Radhika Paturi, L. Harshini, P. Amareswari, Shaik Hayathunnisa, K. Lakshmi Pallavi	1226
220	A Secure Authentication System based on Emotion Analysis of EEG Signals using Deep Learning Technique R. Mathumitha, A. Maryposonia	1232
221	Machine Learning for the Assessment of Transient Stability of Power Systems T Subha Mastan Rao, Anuradha T, Upinder Kaur, M Sundar Rajan, Tulasi Radhika Patnala, V Raja Kumar	1238
222	Identification of Illicit Activities & Scream Detection using Computer Vision & Deep Learning Rohan Mathur, Tejas Chintala, Rajeswari D	1243
223	VoIP Spam Detection using Machine Learning Praveen Ravula, Satyadhar Kumar Ch, Saish Gopisetty, Hemanth Pedhamallu, Vipul Kumar Mishra, Tapas Badal	1251
224	Machine Learning Approach for Automated Recognition of Non-Proliferative Diabetic Retinopathy Lekshmi K R, Asha Ashok	1259
225	Deep Learning based Regularization as defense against Clean Label Targeted Data Poisoning Anil Singh Parihar, Jushaan Singh Kalra, Abhinav Java	1266
226	Analysis of CT Scan Lung Cancer Images using Machine Learning Algorithms Seema Babusing Rathod, Lata Ragha	1273
227	Evaluation of Deep Learning based Resnet-50 for Plant Disease Classification with Stability Analysis Raj Kumar, Anuradha Chug, Amit Prakash Singh, Dinesh Singh	1280
228	Vehicle Loan Fraud Prediction using Data Science And Machine Learning Techniques Harshal Patel, Kancharla Nikhil Mohana Sai, Naga Sai Vishal Devulapalli, Venkata Vivek Kumar Mudunuru, Brijesh Mantri, Vaibhav Kaushik	1288
229	Brain Tumor Classification using Deep Residual Learning Koganti Chaitanya, Kolisetty Sai Saran, InapanurthiSwarupa, G. JayaLakshmi	1292
230	Structured Analysis on Movie Recommendation System using Machine Learning Maithili Saisree Medikonduru, Poojitha Bypureddy, Vishnu Priya Kancharla, V Naga Harika Yoga Priya Kamarajugadda, Lakshmi Chandrika Attluri	1297
231	Deep Learning based Traffic Analysis of Motor Cycles in Urban City Abirami T, Nivas C, Naveen R, Nithishkumar T G	1304
232	Ball Bearing Fault by Feature Extraction and Fault Diagnosis method based on AI ML Algorithms P. Kannan, Neha .S	1310
233	Microsoft Malware Detection using Machine Learning Aayushi Garg, Nikunj.Tahilramani, Parth Chauhan, Ritu Patel	1315
234	A Big Wave of Deep Learning in Medical Imaging - Analysis of Theory and Applications Senthil G. A, R. Prabha, M Razmah, S. Sridevi, D. Roopa, R M Asha	1321

235	Design and Development of Offline Handwritten Text Recognition Leveraging Machine Learning Techniques Alla Durga Umesh Chandra, Challa Satya Sai Durga Kalyan, Badri Venkata Sai Kiran, Govindolla Sricharan	1328
236	Comparative Analysis of Machine Learning Algorithms for Parkinson's Disease Prediction Dhruv Yadav, Ishaan Jain	1334
237	Comparative Analysis of Machine Learning Algorithms for Heart Disease Predictions Sanjay Patidar, Anvay Jain, Ayush Gupta	1340
238	Classification of Garbage for Robotic System using Deep Learning Techniques Harshita Dooja Poojary, Nachiket Mahesh Shinde, Akash Kumar Singh, Vivek Kothuru, Saurabh Bhaskarrao Kshirsagar, Harsh Agarwal	1345
239	Hate Speech Detection using Machine Learning in Bengali Languages Mominul Islam, Md Sanjid Hossain, Nasrin Akhter	1349
240	Machine Learning based Crop Suggestion System Varun Prakash R, Mohamed Abrith M, Pandiyarajan S	1355
241	Novel Approach to Predict the Chances of Breast Cancer by demographic data using Machine Learning Algorithms Sunitha Munappa, Prema Deepika Maremalla, Mani Raj Katupilla, Hari Prasad Veeranki, Suraksha Kanuru, Ebenezer Jangam, Samyuktha Itta	1360
242	Software Change Prediction using Ensemble Learning on Object Oriented Metrics Nikhil Khanna, Ojas Agarwal, Rahul	1369
243	Real-time Smile Detection using Integrated ML Model Baldivya Mitra, Kartikey Sharma, Shreyansh Acharya, Pratham Mishra, Ayush Guglani	1374
244	Automatic Labeling and Data Enhancement System for Sample Collection based on Deep Learning Jinghui Li, Chung Li	1382
245	Ensemble Learning based Enzyme Family Classification using n-gram Feature Darshanaben D. Pandya, Abhijeetsinh Jadeja, Sheshang Degadwala, Dhairya Vyas	1386
246	Performance Analysis of Distributed Deep Learning using Horovod for Image Classification Rakshith R M, Vineet Lokur, Prateek Hongal, Vivek Janamatti, Satyadhyan Chickerur	1393
247	Identification of Face Mask and Social Distancing using YOLO Algorithm based on Machine Learning Approach Rupali Kolpe, Shubham Ghogare, M. A. Jawale, P. William, A. B. Pawar	1399
248	Optimal Cost and Energy Scheduling of Polyphase Energy Management System- Machine Learning Approach S. Abarna, K. V Brindha, K. Gowsalya, P. Jesmila Jasmin, M. Ravindran	1404
249	An Analysis of Sequential Pattern Mining Approach for Progressive Database by Deep Learning Technique Aatif Jamshed, Bhawna Mallick, Rajendra Kumar Bharti	1409
250	PAW Patrol: IoT based Smart Wearable Device for Protection Against Violence on Pedophile, Alzheimer's, Women Naga Vivek .K, Rupa .Ch, Venkata Uday Kiran .P, Lokesh .Ch	1416

251	Digital Dermatology Classification using Deep Learning Technique B. Pitchaimanickam, R. Gayathri, G. Jyoshna, P. Prema Sai	1422
252	Plant Leaf Diseases Identification using Deep Learning Approach for Sustainable Agriculture Godi Dheeraj, Pawan Kumar Anumala, Laveti Ramananda Sagar, Bandi Vamsi Krishna, Indu Bala	1429
253	Facial Attribute Analysis for Emotion Recognition using Deep Learning Arun N D, Joshua S, Esther Daniel, Sujith Mithun M, Galvin Richardson V	1435
254	Medical Image Classification for Disease Prediction with the aid of Deep Learning Approaches Bhargav Kantheti, Mukesh Kumar Javvaji	1442
255	Face Biometric Authentication System for ATM using Deep Learning Ramya S, R. Sheeba, Aravind P, Gnanaprakasam S, Gokul M, Santhish S	1446
256	Comparative Analysis of Liver Disease Detection using Diverse Machine Learning Techniques Chappidi Aswartha Reddy, Lamu Samuel Kiran, Arul Xavier V M	1452
257	Recognition of Diseases in Paddy using Deep Learning K. Muthamil Sudar, P. Nagaraj, Venkata Yeshwanth.K, Y. Deepak Kumar, V. Sai Jagadeesh Kumar, Venkata Naga Sasidhar Reddy	1458
258	Deep Learning based Garbage Detection for Smart City Applications K. Lakshmi, N. Sheik Abdullah, Iswarya.k, K. R. Monica Bharathi	1464
259	English -Malayalam Vision aid with Multi Modal Machine Learning Technologies Lekshmy H O, Swaminathan Jayaraman	1469
260	Bluetooth Camera based Online Examination System with Deep Learning Aman Gupta, Aruna bhat	1477
261	Recommendation-based Security Model for Ubiquitous system using Deep learning Technique Jayashree Agarkhed, Geetha Pawar	1481
262	Sentiment Analysis about COVID-19 Vaccine on Twitter data: Understanding Public Opinion Madhu Gautam, Niket Sahai, Alok Singh Yadav, Mahima Tomar	1487
263	Comparative Analysis of Rotten Tomatoes Movie Reviews using Sentiment Analysis Kanishk Soni, Palak Yadav, Rahul	1494
264	A Comprehensive Study on Data-Driven Fake News Detection Methods Kavinder Singh, Aditi, Amar Kumar Jaiswal, Ananya Shivam	1501
265	An Empirical Study of Sentiment and Behavioural analysis using Homophily Effect in Social Network Radha Krishna Jana, Saikat Maity, Swapan Maiti	1508
266	NLP based Review Categorization: A Survey Amogh Karhadkar, Akanksha Laddha, Revanth N M, Antara Roy Choudhury, K Panimozhi	1516
267	Forecasting India S&P BSE SENSEX and USA S&P-500 Benchmark Indices using SARIMAX and Facebook Prophet Library Suraj Prakash Sharma, Jeyanthi R, K. Deepa	1523
268	BERT based Multiple Parallel Co-attention Model for Visual Question Answering Mario Dias, Hansie Aloj, Nijo Ninan, Dipali Koshti	1531

269	NLP based Word Predictor for Dementia Patients: A Systematic Review Nagamani H Shahapure, Poornima N, Spoorthi Kulkarni, Shilpa V, Rajiv Ranjan Singh, Patel Kavan	1538
270	Deep learning based Answering Questions using T5 and Structured Question Generation System Atharva Malhar, Prerana Sawant, Yash Chhadva, Swapnali Kurhade	1544
271	Musical Instrument Identification using Supervised Learning R. Raja Subramanian, Manchala Yaswanth, Bala Venkata Rajkumar T S, Kota Rama Sai Vamsi, Devisetty Mahidhar, R. Raja Sudharsan	1550
272	Comparing Bag of features Techniques for Image Retrieval Roohi Ali, Manish Maheshwari	1556
273	A Review on GAN based Image Dehazing Kavinder Singh, Vishruth Khare, Vishwas Agarwal, Sourabh	1565
274	Study of Video Suggestions based on Calendar Events Arti Sharma, Abhishek Vashishta, Achin Shahi, Ashwin Saxena, Harshil Kumar Gulati	1572
275	Content based Image Retrieval: A Literature Review Sreedevi Kulkarni, Manu T. M	1580
276	Smart Traffic Control for Emergency Vehicles Prioritization using Video and Audio Processing V Sowbaranic Raj, Jalakam Venu Madhava Sai, N A Lakkshmi Yogesh, S B Kavya Preetha, Lavanya R	1588
277	ChA-DenseUNet: Channel Attention DenseUNet for Polyp Segmentation Aasia Rehman, Muheet Ahmed Butt, Majid Zaman	1594
278	Heart and Cardiac Arrest Analysis by Prediction of Hybrid Model Vipin Kumar Meena, Jaytrilok Choudhary, Dharendra Pratap Singh	1600
279	An Efficient Model for Early Prediction of Diabetes Utilizing Classification Algorithm Shanjida khan Maliha, Md. Ashiq Mahmood	1607
280	Application of Image Processing Techniques for Pothole Detection Aketi Ajay, S. Revathy, Bheemireddy Nagavijayasivasuryaprakashreddy, Mary Psonia, B. Ankayarkanni	1612
281	Real Time Drowsiness Detection System based on Resnet-50 Ankit Kumar Yadav, Ankit, Abhilasha Sharma	1618
282	Empirical Framework for Automatic Detection of Neural and Human Authored Fake News Anchal Gupta, Akshay singhal, Akhilesh Mahajan, Aman Jolly, Shailender Kumar	1625
283	A Modified Naïve Bayes Classifier for Detecting Spam E-mails based on Feature Selection Argha Ghosh, A. Senthilrajan	1634
284	QR Technology based ID Proof for a Digitalized World Aakriti Maheshwari, Pardeep Tyagi, AashiTentiwala, Uddeshya, Shashwat Bhasin	1642
285	Autonomous Street Lighting and Accident Prevention System in Hilly Highways: an Energy Efficient Approach Prakhar, Pratham Srivastav, Priyesh Singh Rathore, Khadim Moin Siddiqui	1649
286	Music Emotion Prediction based on Hybrid Approach Combining Lyrical and Acoustic Approaches. Shristi Bisht, Harshil T. Kanakia, Pallavi Thakur	1656

287	Face Recognition Technique based Student Attendance Management System D Anveshini, P. R. V. Sailaja, M. Supraja, T. Naga Lakshmi, B. Harika	1661
288	Analysis of Fusion Application of 3D Virtual Technology in Arts and Crafts Design Xuelun Guan	1666
289	Multi-Factor Analysis of Computer Crime and Modeling of the Fusion Architecture of Criminal Sociology Feng Gao	1670
290	A Research Review on Fetal Heart Disease Detection Techniques G. Someshwaran, V. Sarada	1674
291	Multiclass Classification of Different Glass Types using Random Forest Classifier Nidhi Agarwal, Rakshit Srivastava, Pratihtha Srivastava, Jassi Sandhu, Prajesh Pratap Singh	1682
292	Food Ordering website “Cooked with care” Developed using MERN stack Amit Shersingh Chauhan, Sushil Bhardwaj, Ruman Shaikh, Abhishek Mishra, Sunita Nandgave	1690
293	Pain Assessment Model using Facial Recognition Swetha L, Praiscia A, Sujitha Juliet	1696
294	Environmental Perception of the Intertextual Artistic Conception of Ancient Poetry Literature and the Display Spatiality of the Text Mining Algorithm Liyu Chen, Meng Yuan	1701
295	Design of English Guiding Resource Information Management Platform based on Random Search Algorithm: Java Framework Reconstruction Xiangdong Guo, Caixia He	1705
296	Efficiency Modeling and Optimization of Interactive Scenarios Cultivated By Students' Core Values Under the Background of Chain Data Mining Algorithm Lei Jiang	1709
297	Social Organization based on Spatio-Temporal Network Data Mining Leads the Design of a Smart Platform for Community Governance Innovation Guofeng Bian	1713
298	Refined Node Data Mining Platform in the Construction Phase of Building Installation Engineering based on BIM Technology Jiamin Zhao	1717
299	The Face-Assisted Analysis Framework of the Multi-Interactive Platform of Pre-School Guiding in the Multimedia Environment Xiaomeng Wu, Pei Zhao	1721
300	Open Guidance Model Intelligent Platform for University Electronic Technology Experiment Tao Chen	1725
301	Utilisation of Virtual Assistant and its Impact on Retail Industry Seranmadevi.R, Shibani Chakraverty Aich, Bhoomika Raj Ethakota, Vamsi Krishna Kudapa, R. Esther Hepziba, Kymbat Suleimenova	1729
302	An Unsupervised Drowsiness Detection Architecture using Fuzzy Classifier R. Reena Daphne, J. T. WinowlinJappes, N. C. Brintha	1734
303	Spam Review Detection using Linguistic Methods for Specified user in Twitter R. M. Gomathi, Malle Rahulkumar Reddy, Madithati Veera Bhadra Reddy, T. Anandhi, A. Sivasangari, P. Ajitha	1743
304	Students Live Behavior Monitoring in Online Classes S. Sasikumar, S. Prabha, Naga Bhargava Reddy Chandra, Darshitha Suravarapu,	1749

	Rama Krishna Goda	
305	A Real-Time Approach to Facial Anti-Spoofing using Liveness Detection on CPU Bound Devices Rajni Jindal, Tanuj Chandolia, Tanmaya Yadav	1756
306	Comparison of Online Writer Identification Systems for Limited Data Chinnapakkagari Sreenivasa Vikranth, Bodavula Jagadeesh, Darla Vineeth Prithvi, Nimmala Chaitanya Sai Kumar, Thanikonda Gopi Krishna, Vivek Venugopal	1762
307	Crop Recommendation and Yield Production using SVM Algorithm M. Sai Teja, T. Sai Preetham, L. Sujihelen, Christy, S. Jancy, Mercy Paul Selvan	1768
308	Iris Flower Classification by using Random Forest in AWS Yellamma Pachipala, Harika Chowdary Maddipati, Prasanna Swetha Udimudi, Vaishnavi Thota, Venna Navya Sree, Lakshmi Ramani Burra	1772
309	Wrist-Worn Hand Gesture Recognition for Smart Walking for Disabled Persons Aishwarya G. M, Arsha Varthana P, Kaviya Varshini S. L, Keerthana N, Ramji Tiwari, Ramya K. C	1778
310	Cotton Leaf Disease Classification by Combining Color and Texture Feature-based Approach Bhagya M Patil, Vishwanath Burkpalli	1783
311	A systematic Review and Analysis: The Impact of Air Pollution on Lung Cancer S. Kanageswari, D. Gladis	1790
312	KRISHI RAKSHAN - A Machine Learning Based New Recommendation System to the Farmer D. N. V. S. L. S. Indira, M. Sobhana, A. H. L. Swaroop, V. Phani Kumar	1798
313	Design of Animation Professional Interactive Training Platform based on Digital Media Information Flow Fusion Algorithm Mao Chen	1805
314	Investigation through the Analysis of Double Strip Micro Cantilever for the Identification of Cancer at Early Stage Kaustubh Kumar Shukla, T. Muthumanickam	1809
315	Healthcare 5.0: A Study on Improving Personalized Care Rohit verma, Samrat Patel, Saviour Viyadis Minj, Aruna Bhat	1815
316	noTrash.AI - An Approach Towards the Hygienic City based on Deep Learning Chinmai Shetty, Pratheeksha Hegde N, Dhananjaya B, Deepa, Rashmi N, Sarojadevi H, Anusha Shenoy	1819
317	Machine Learning based Factors Affecting Malnutrition and Anemia among Children in India Richard Joseph, Vedant Sawant, Shivani Shenai, Muskan Paryani, Gaurav Patil	1826
318	Data Wrangling and Visualization for Credibility and Usability MadhuriPal (Sahu), Nankong Achana.Francis, Amit Sahu, Pranjali Ulhe	1834
319	Distributed Effect Evaluation Algorithm of Computer English Online Platform based on Hibernate task- based Data Architecture Taofeng Wang	1841
320	Historical Analysis and Time Series Forecasting of Stock Market using FB Prophet Ciram Saiktishna, Nalam Sai Venkat Sumanth, Muppavarapu Madhu Sudhan Rao, Thangakumar J	1846
321	A Broad Review on Adverse Drug Reaction Detection using Social Media Data Anjali. B. V, Ravi Kumar G. K	1852

322	Study of Data Behaviour and Methods for Data Prediction and Analysis Kiranraaj Sekar, Amit Kumar Tyagi	1857
323	A Novel Fbit_sort Algorithm for Digital Encoding Process Nidhi Agarwal, Kunal Gupta, Lakshmi Tiwari, Nidhi Singh, Shruti Mishra	1863
324	Agro World: A Naive Bayes based System for Providing Agriculture as a Service Shreya S, Sushmitha S R, Vaanathe L R, Madhumathi R	1871
325	Survey on Meta Learning Algorithms for Few Shot Learning Madhava Gaikwad, Ashwini Doke	1876