

# **2024 2nd International Conference on Device Intelligence, Computing and Communication Technologies (DICCT 2024)**

**Dehradun, India  
15-16 March 2024**



**IEEE Catalog Number: CFP24CJ9-POD  
ISBN: 979-8-3503-7285-4**

**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:	CFP24CJ9-POD
ISBN (Print-On-Demand):	979-8-3503-7285-4
ISBN (Online):	979-8-3503-7284-7

**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

<b>Table of Contents</b>
--------------------------

S.No.	Authors	Paper Title	Page No.
1	Sakshi Koli, Anita Gehlot, Rajesh Singh, Jayapla Lande, Preeti Badhani	The Plant leaf disease detection system in Agriculture 4.0: Integrating AI and Blockchain Technology	1 -- 6
2	Urvashi Chugh, Saket Mishra, Ragheendra Jaisawal, Amit Kumar, Kanwarpreet Kaur and Shyam Pratap Singh	Capacity Analysis of EMNC System in an Interference Limited scenario	7 -- 10
3	Pallavi Tiwari, Saksham Mittal and Deepak Upadhyay	A Comparative Analysis Of Credit Card Fraud Detection Machine Learning Algorithms	11 -- 15
4	Deepak Upadhyay, Sonal Malhotra, Mridul Gupta and Somesh Mishra	Implementation of pruned and Quantized Semantic Segmentation Neural Network using Cambridge-driving Labeled Video Database (CamVid) Dataset	16 -- 21
5	Rahul Kumar Gupta, Mahipal Singh Choudhry, Varun Saxena	A Passive Floating C-MOS Memristor with Analog Applications	22 -- 27
6	Geeta Navalyal, Apoorva Navalyal, Sayali Naik	Design of Digitized Visual Search Task for Assessment of Aging Effects	28 -- 32
7	Anand Gudnavar, Preetam Anvekar, Keerti Naregal, Sreedevi Nagarmunoli	Detection of Manipulated Multimedia In Digital Forensics Using Machine Learning	33 -- 38
8	Ashwani Gupta, Utpal Sharma	Machine Learning based Aspect Category Detection for Hindi data using TF-IDF and Count Vectorization	39 -- 44
9	Manvi Bohra, Indrajeet Kumar, Kamred Udham Singh	Fake News Detection Using Different Machine Learning Algorithms	45 -- 50
10	Vatsala Anand and Prabhnoor Bachhal	Cervical Net: An Effective Convolution Neural Network for Five-class Classification of Cervical Cells	51 -- 55
11	Pritika Mehra, Mini Singh Ahuja	An Experimental study of an intelligent and dynamic Network Anomaly Detection System	56 -- 61
12	Lalit Prasad, Rashmi Dongare, Priyanka Mishra, Vikas Prasad, Sandeep Kumar Gupta	Institutionalizing Blockchain Technology in Universities for sustainable development	62 -- 67
13	Manoj Singh Adhikari, Jyoti Ramola, Vimal Chaudhary, Mahakant Sharma, Raju Patel, Vikalp Joshi	Health Monitoring System using IoT	68 -- 72
14	Vani Sharma, Vijay Kumar, Praveen Pathak	Analysis of sound intensity of moving source using smartphone	73 -- 77
15	Alankrita Aggarwal, Kalpana Singh, Rattan Deep Aneja, Rajender Kumar, Punit Soni	Deep Learning Models for Software Defect Classification	78 -- 81
16	V.UmaRani, S.Srimathi	Automatic Fabric Defect detection using Deep CNN-AlexNet Models	82 -- 87
17	Garv Kathuria, Kalpana Singh, Shubham Pratap Majgahe, Krishna Kumar	Machine Learning Based Sentiment Analyzer	88 -- 93
18	Parveen Badoni, Harsh Raj, Shriyam Prashad, Harsh Kumar, Mihir, Kuldeep Kumar Gautam	IoT-Based Health Monitoring System	94 -- 99
19	Abinaya P, Abirami S, Indhumathi R, Madhurambiga S, S.Dineshkumar	Smart Drive Innovation: Li-Fi-Enabled Smart Transactions, Adaptive Lighting, And Automated Braking For Enhanced Safety And Drive-Thru Experience	100 -- 105

20	Shailesh Jayant, Amit Birwal, Sandhya Malika Patel, Kamlesh Patel	Four-Port Multi-Ring-Based MIMO Antenna for Wideband Applications	106 -- 110
21	Vimal Kumar Chaudhary, Kamlesh Patel	Performance of Tri-band Hexagonal Split Ring Resonator Antennas For WLAN, Bluetooth and WiMAX Applications	111 -- 114
22	N PremKishan, M.Sripriatham, Sakthi Abirami, Devi Sowjanya P	Design of RF Sensor for Human Neck Motion Detection	115 -- 119
23	Deepak Upadhyay, Himanshi Naithani, Ananya Tiwari	Sequential Pattern Analysis of Emotion in Speech with LSTM	120 -- 125
24	Abhay Sharma, Love Bargoti, Mayank Saini, Mridul Gupta	Design Of An Optimal Iir Full-Band Digital Differentiator	126 -- 130
25	Shubham Verma, Manish Kumar Rai, Utkarsh Tripathi, Vimal Kumar Singh Yadav, Sanjeev Rai	Design and Investigation of Charge Plasma based NCFET on MFIS and MFMS Structure	131 -- 135
26	Tupakula Sai Raghavi, Biyyapu Vishnu Vardhan Reddy, P Devi Sowjanya	Enabling Seamless Mobility in 5G NR Networks using NS-3 and 4G Core Integration	136 -- 141
27	Rahul Kumar, Priyanshu Kumar, Moina Ajmeri	Small Signal Analysis and Control of a Non-Isolated High gain Boost Converter for Renewable Energy Applications	142 -- 147
28	Samir Rana, Yash Bisht, Gaurangi Tyagi, Adarsh Badoni	FruitfulInsight: IOT and ML Based System to Predict Expiry of Fruits	148 -- 153
29	Vivek Chamoli, Rishabh Bahuguna, R Gowri, Rishi Prakash, Anurag Vidyarthi, Ved Prakash Dubey	Landslide Detection in Uttarakhand Region using Active Remote Sensing	154 -- 157
30	Nidhi Parashar and Prashant Johri	Deep Learning for Cotton Leaf Disease Detection	158 -- 162
31	Raghunath Mandal, Shalini Sharma, Aditi Chauhan, Mohammed Irfanul Hasan, Sumit Singh Panwar, Stuti Shrivastav	Performance Evaluation of Selection Combiner Under Different Wireless Mobile Fading Channels- A Review	163 -- 168
32	Chandni Tiwari, Varun Mishra	Performance Optimization of ZnO/CsSnGeI <sub>3</sub> /CuSCN Perovskite Solar Cells using Numerical Approach	169 -- 172
33	Narisetty SrinivasaRao, Dasa Teja Sri, Pandilla Sai Prakash Reddy, Singamsetty Gopinadh	Harnessing the Power of Deep Learning in Brain Tumor Detection	173 -- 177
34	Shivkant Thakur , Rajan Mishra, Sanjay Kumar Soni, Praveen Kumar Rao	Wearable Dual Band Antenna Design for ISM band and 5G Applications	178 -- 181
35	P. Maheswari, S. Gowriswari, S. Balasubramani, A. Ramesh Babu, Jijith NK , S. Murugan	Intelligent Headlights for Adapting Beam Patterns with Raspberry Pi and Convolutional Neural Networks	182 -- 187
36	Rakesh Kumar, Vatsala Anand, Sheifali Gupta	Enhancement of Diagnostic Accuracy of Colon Diseases using Multi-Class Classification Technique and Endoscopic Images	188 -- 193
37	Chhagan Charan, Akash Gupta	Analysis of Universal Asynchronous Receiver Transmitter (UART)	194 -- 198
38	Samarth Soni, Khushi Garg, Varun Srivastava	A Multi-Texture based Feature Vector for Classification of MR Images of Patients Suffering from Dementia	199 -- 204
39	Joseph Auxilius Jude.M, Dinesh.V.C, Sri Yaalini.M, Sherwin San Markus.M, Sneha.A, Subhika.S	Investigating the Influence of Timer Forecasting on Transmission Efficiency of TCP Connections in Dense Multi-hop Wi-Fi Links	205 -- 209

40	K. Anitha, R. Vijayakumar, J. Gnana Jeslin, K. Elangovan, M. Jagadeeswaran, C. Srinivasan	Marine Propulsion Health Monitoring: Integrating Neural Networks and IoT Sensor Fusion in Predictive Maintenance	210 -- 215
41	Pradeep Kumar Tiwari	Malware Detection Using Control Flow Graphs	216 -- 220
42	Naveen Kumar H N, Guru Prasad M S, Arnav Kotiyal, Madhusudhana K, Amith K Jain, Ninad Gangodkar	Autonomous Quadraped Robot Equipped with Obstacle Detection	221 -- 225
43	Kunal Bhatia, Anirudh Khanna, Ishu Sharma	Enhancing Disaster Recovery Mechanism in SCADA Using Multichain Blockchain	226 -- 231
44	Thangam. S, J. Sri Sai Samhitha, K. Adarsh Sagar, Julakanti Sai Yaswanth, Kundula Haritha	Early Forest Fire Prediction System Using Wireless Sensor Network	232 -- 237
45	Aniket Singh, Akshit Tyagi, Pawan Singh Mehra, Amit Yadav	A Survey on Artificial Intelligence-based Cyber Security in IoT Networks	238 -- 243
46	S P Vimal, V. Srividhya, G. Kumar, Mohammed Jubair Meera Hussain, M. Rajmohan, S. Sujatha	An Intelligent Gardening Advisor System Empowered by Wireless Sensor Networks and Cloud Computing	244 -- 248
47	Manohar Nalluru, Naga Prudhvi Raj Vattikuti, Naga Tejaswini Nakirikanti, Phanivarma Mudunuri, Jahnavi Gaddam	Acute Lymphoblastic Leukemia Classification With Jetson Nano	249 -- 253
48	Joseph Auxilius Jude M, Diniesh V.C , Sri Yaalini.M, Sherwin San Markus.M, Sneha.A, Vimal.N.S	Investigation of Retransmission Timeout Forecasting in Multihop Wireless Links	254 -- 257
49	Amisha Dutta, Devisowjanya P, Sakti Abirami B	Design of a Capacitance Coupled Antenna Array for WLAN Application.	258 -- 263
50	Oggula Raju, Dantam Ramesh	An Enhanced deep learning approach for Disease Classification from Respiratory sound	264 -- 269
51	S K Tripathy and Samparka Dey	An Efficient Design of Multilayer Reversible Arithmetic & Logic Unit in Quantum-Dot Cellular Automata for Low Power Applications	270 -- 275
52	Anuj Sahani, Rishikesh Bhupendra Trivedi, Tushar Singh, Somya R. Goyal	PyLoomer - The Automated Weaving of Python Text	276 -- 281
53	Vaishali R. Kulkarni, Raghavendra V. Kulkarni, Thompson Stephan	Optimal Sensor Localization Using Evolutionary Computing Algorithms	282 -- 287
54	Lalit Negi, Sandeep Kumar, Manisha Bharti	A Hybrid Data Security Technique using Chaos Encryption, RC4 encryption, Huffman Data Compression and LSB Steganography	288 -- 293
55	Sai Sandeep Reddy Thadasina, Nikhita Reddy Ravula, Akhitha Reddy Sangasani, Ravi Kumar Jatoth	Differential Evolution based Convolutional Neural Network for Hazy Image Classification	294 -- 299
56	Sushil Chandra Dimri, Richa Indu, Harendra Singh Negi, Neeraj Panwar, Moksh Sarda	Hidden Markov Model - Applications, Strengths, and Weaknesses	300 -- 305
57	Akshitha K, M. Vijay Anand	Flood Prediction System with Voting Classifier	306 -- 311
58	Boppuru Prathap, Madhurima S , K Abhijith Ajith, Swathy VS	Abusive words detection on Reddit Comments using Machine Learning Algorithms	312 -- 317
59	Adarsh Singh Jadon, Mahesh Parmar, Rohit Agrawal	Hinglish Sentiment Analysis: Deep Learning Models for Nuanced Sentiment Classification in Multilingual Digital Communication	318 -- 323

60	Mayank Trehan, Pradeep Kumar, Nidhi Gaur	Design and Analysis of Multi-Protocol Conversion Unit for SPI, I2C and UART	324 -- 329
61	Shailja Upadhyay, Joshika Malai Magal B V, A Deepa	Human: Age and Gender Identification using SFTA and Deep Learning Algorithm	330 -- 334
62	M.Venkateswarlu, E.Charan Kumar Goud, A. Baba Hafiz, S.Abrarulhaq, B.Ashok	Novel Multilevel Inverter with SPWM control Technique for PV System Applications	335 -- 340
63	Abhishek Kumar, Sanjeev Kumar, Abhinav Pathak	Fuzzy Logic Denoiser: An Approach for Salt and Pepper Noise Removal in Digital Images	341 -- 346
64	Keinisha Joshi, Sachin Minocha, Akshita Sharma, Pragya Choudhary and Samarth Gupta	Mental Health Tracking and Prediction for Stressed Working Professionals	347 -- 352
65	Lakshmi Sagar Pulabaigari, C. Sivakumar	Internet of Things IoMT Data Aggregation using Machine Learning	353 -- 357
66	Parineeta Dahiya, Saurav Bhattacharya	MiraiBotGuard: Federated Learning for Intelligent Defense Against Mirai Threats	358 -- 363
67	Ansu Elsa Regi, Getzi Jeba Leelipushpam	Enhancing Aspect Based Sentiment Analysis using BERT and Capsule Networks	364 -- 369
68	Monica D K, E.Sujatha	Detection of Brain Stroke Using Machine Learning Algorithm	370 -- 375
69	B K Behera, S K Dash, J R Panda, S N Mishra, J. Siddartha Varma, P K Patra	A UWB Dual Notched Antenna with H-shaped Strip and U-shaped Slot for Application in Wireless System	376 -- 380
70	Rajeev Sharma, Sandeep Singh Kang	Secure Data Transmission in Wireless Body Area Networks: An Energy-Efficient and Route Prediction Methodology	381 -- 386
71	Purva Mange, Rohini Savant, Kriti Singh, Aditi Lule	Smart Grid Optimization Dimensioning Methods for Residential Solar Cell Dimensioning	387 -- 391
72	Vaishali Rahate, N. K. Dhapekar, Yogita Sure, Athar Javed Ali, Neha Garg, A. A. Aserkar	Intelligent Charging for Electric Vehicle by use of Ad Hoc Networks	392 -- 396
73	Gulbir Singh, Vivek Bhatnagar, Suneet Kumar, Vivek Srivastava	Solar Power Based IoT Agribot for Irrigation and Farm Monitoring	397 -- 402
74	Rohit Lorenzo, Mukku Pavan Kumar	A 14T Radiation Resistant Self-Recoverable SRAM Cell	403 -- 408
75	Ritwik Mohan, Shashank Devneni, Sai Sumpreet, Vijay Mohan, Nikhil Pachauri	Comparative analysis of machine learning algorithms for the building energy prediction	409 -- 413
76	Kartik Agrawal, Abhijit Asati	Improved Implementation of PYNQ-Based FFT Hardware Accelerator	414 -- 418
77	Rohit Kumar	Optimization of Spectrum Sensing in Cognitive Radio using Machine Learning Approach	419 -- 423
78	S. Vasavi, P. D. L. Nikhita Sri, P. V. Sai Krishna	GUI-Enabled Boundary Regularization System for Urban Buildings using the Tkinter	424 -- 429
79	Mundru Navya Sree, Rajesh Singamaneni and Modugula Kavya Sri	Categorization of Brain Tumor on MR Images using Deep Learning models	430 -- 435

80	Vijendra Kumar D, Venkata Ramana Kammampati, Tapasvi B, Indira Priyadarsini K , Eswara Prasad Konakalla, Hima Kiran Killamsetti	Real-Time Object Recognition with Voice Feedback for Visually Impaired Based on Raspberry Pi	436 -- 439
81	Kunal Bhatia, Sharad Shyam Ojha	Federated Learning Framework for Early Detection of Reconnaissance Attacks in Smart Grid Environments	440 -- 445
82	Vanshika Pahuja, Sharad Shyam Ojha	DeepDeter: Strengthening Cybersecurity Against DoS Attacks with Deep Learning	446 -- 451
83	Venkata Ratna Prabha K, Venkata Bhavana S, Suryapushpanjali G, Rajeswari T, Chinni Hima Bindu, K. Rama Devi	Ensemble Transfer Learning Techniques for Classification of Autism Spectrum Disorder	452 -- 457
84	Bodh Krishna Karn, Gagan Shukla, Kaushal Kumar, Aditya Jain, Ajay Kumar and Vinay Kumar	Unlocking the Tunnel: A Review of Tunnel Field-Effect Transistors Technology	458 -- 462
85	Prakash saxena, Sarita Singh Bhadauria, Aparna Singh Kushwah	A survey of hybrid Wireless Sensor Networks Protocols for energy efficient Environmental Monitoring Systems	463 -- 468
86	Prakash saxena, Sarita Singh Bhadauria, Aparna Singh Kushwah	A Comparative Experimental Analysis of Routing Protocols for Environmental monitoring Wireless Sensor Network	469 -- 474
87	Md Shaik Amzad Basha, Obulesu Varikunta , A Uma Devi, S Raja	Machine Learning in HR Analytics: A Comparative Study on the Predictive Accuracy of Attrition Models	475 -- 480
88	Aman Chauhan, Ajay Kumar, Rajul Chandra, Shalini Patwal, Alaknanda, Abhilekh Bartwal	Face Shape Microstrip Antenna for UWB Applications	481 -- 486
89	R.Gabriela Sharon, Aswin Sanil Kumar, Albert Mayan, Catherine A, Chella Dhanush	Quantum Encrypted Messaging Application: Harnessing Quantum Mechanics for Secure Communication	487 -- 491
90	Meenakshi Bhardwaj, Naresh Kumar	Comparative Analysis of FSK and GFSK Modulation Techniques for an Underwater Wireless Acoustic Modem	492 -- 497
91	Arindom Chakraborty, Mehedi Hasan, Md. Shahbaz Hussain, Jyoti Kandpal, Mohd. Hasan, Hasan U. Zaman	CMOS Implementation of a Piecewise Linear Activation Function Based Neuron Unit for Neural Network Accelerator	498 -- 502
92	Gurdeep Singh, Amanpreet Kaur, Vaneeta Bhardwaj	Simulation Based Analysis of Power, Hardware and Temperature Constraints in 4 Bit Full Adder Circuits for High Speed Data Processing	503 -- 507
93	Pranav Verma, Yash Gupta, Divyansh Tanwar, Mukul Gupta, Shweta Gautam and Urvashi Bansal	Second Generation Voltage Conveyor Based Floating Inductor & its Applications	508 -- 513
94	Srinivas Yallapu, Sravani P, Koushik Reddy S , S S Karthikeya, Naveen T and Lakshman S	Robust Channel Estimation and Performance Evaluation of OFDM Through AWGN Channel	514 -- 517
95	Shahnawaz Qadir, Rana Hashmy	Enhancing IoT Security by Integrating Multi-Level Signature Verification in Smart Contract Creation Using Permissioned Blockchain	518 -- 523
96	Kuldeep Narayan Tripathi, Jaideep Patel , Rohit Agrawal, Ranjeet Kumar Singh, Aditya Shastri	An ANOVA Based Analysis of Routing for Improving QoS in Flying Ad-Hoc Networks (FANETs)	524 -- 529
97	Nelson Lungu, Simon Tembo, Sudhansu Shekhar Patra, Ngula Walubita, Bibhuti Bhusan Dash and Utpal Chandra De	Probing Vulnerabilities in GPU Shader Execution	530 -- 535
98	Praveen Kushwaha, Neeraj Gupta, Vijendra Gupta, Vishal Shukla and Vidhi Srivastava	Design and Development of a Versatile Drone for Multi-Payload Applications	536 -- 541
99	Vagesh Kumar, Shekha Rai, Pravat Kumar Ray	Detection of Phony Data In PMU Measurements and Power Quality Assurance In Power Grids	542 -- 547

100	Aayush Pathak, Vaibhav Goel, Ankit Pandey and Urvashi Bansal	Design and implementation of low power oximeter	548 -- 552
101	Antony Judice, Shivani Malhotra, Manish Sharma	A Four-Port Integrated Four-Bands MIMOMPA Antenna with Flexible-Characteristics and Specific-Absorption-Rate Analysis	553 -- 558
102	Jasneet Kaur Kohli, Rahul Raj, Navneet Rawat, Ashulekha Gupta, Vimal Kumar	AI Empowered MOOC Usage and Its Impact on Service Quality in Higher Education Institution in India	559 -- 563
103	Suman Arora, Geeta Nijhawan, Gourav Verma	A Thermoelectric Energy Harvesting System for Environmental Monitoring in WSN and IoT	564 -- 569
104	kartikay kala, Kartik Makhloga, Anayat Khan, Aishwarya Pandey, Saksham Mittal	A Framework for Big Data Security Using MapReduce in IoT Enabled Computing	570 -- 573
105	Kamaraj A, Vijaya Kumar H R, P Vishnu Prasanth, Ritam Dutta, Bhaskar Roy and Prabal Chakraborty	FPGAs as Hardware Accelerators in Data Centers: A Survey from the Data Centric Perspective	574 -- 579
106	K Bhima, R K Sathvika, M Rishika Sai, R Sreeja	A Contemporary Model for Segmentation of Satellite Images using Neural Networks through the U-Net Model	580 -- 584
107	Praveen J.S, Kumanan T	Link Loss Identification and Congestion-Aware Routing in Mobile Wireless Sensor Network	585 -- 589
108	Deepalakshmi P, Kumanan T	Fake Clones for Adversaries Detection with Efficient Relay Selection in MWSN	590 -- 594
109	R. Maheswari, M. Krishnamurthy	Profiling and Non-Profiling Key Retrieval Attacks in Programmable Object Interfaces Using Deep Learning Cryptanalytic Techniques : A Survey	595 -- 599
110	Abhishek Kumar, Sanjeev kumar	An Approach for Enhancement of Low Contrast Gray Scale Image Using Fuzzy Logic and Sigmoid Function	600 -- 605
111	Gaurav Panchal, Parag Singh , Gaurav Paharia, Harsh Samriya and Urvashi Bansal	Implementation Of Low Powered CMOS Potentiostat In Biomedical Devices	606 -- 611
112	Abhinav Rajyan, Gaurav Saini, Md. Matin	Comparative Study of Nanowire FET & Internal Gate Nanowire FET	612 -- 616
113	Padmavathy C, Mahalakshmi A, Vadivel R, Rajat Kumawat, Ritam Dutta, Bhaskar Roy and Nilanjan Dutta	1D-CNN Based Model for Detection of DDoS Attack	617 -- 622
114	Manish Kumar Pandey, Ram Niwash Mahia, Om Prakash Mahela	Optimal Placement and Sizing of RE Generators to Minimize Loss and Improve Voltage Profile in Radial Distribution Network Using PSO	623 -- 628
115	Shabnam Ara, Pawan A kestwal, Arihant Raj Singh, Ankush Jha, Ashish Kumar Gupta	Simulation based Analysis of Microstrip Patch Antenna for N77 Band Using Slot Loading	629 -- 632
116	Mayank Kothari, Suresh Kurumbanshi	DQN based Distributed Cooperative Spectrum Sensing for Multiband Multiuser CRN	633 -- 638
117	Agrita Ratnam, Ayush Sharma, Tabish Ahmad	Low Power and 72dB High Gain Op-Amp Design in 0.18 $\mu\text{m}$ CMOS Process	639 -- 643
118	Sugandha Yadav, Poornima Mittal, Shubham Negi	Positional Analysis and Comparison of Different Charge Generation Layer based Blue OLEDs	644 -- 649
119	Rajneesh Chaurasiya, B. Surya Kranthi Vardhan, K. P. Ranganath	Remote Health Monitoring and Alert Network System	650 -- 653



120	Agyenya Anand, Anurag Yadav, Subodh Wairya	Performance Analysis of Fast & Power Efficient Dynamic Comparator Topologies	654 -- 658
121	Tejaswi Kondapalli, Prasanti Korapati, Rohini Kumar Ettikota, Satish Pentapati, Praveen Reddy Mopuri	Design and Simulation of SAW Sensor in COMSOL Multiphysics for Detection of Hexanal in Exhaled Breath	659 -- 663
122	Vinti gupta, Megha Agarwal, Devendra Kumar Yadav	Evaluation of Routing Protocol Performance for Enhanced Operations of Unmanned Aerial Vehicles (UAVs)	664 -- 669
123	Sumit Sharma, Deepak Upadhyay	Unveiling Cardiac Patterns: Exploring the Efficacy of ECG-CNN Model in Heartbeat Classification Across Diverse Arrhythmias	670 -- 675
124	Shikha Singhal, Manjeet Kumar	R-Peak Detection Using Wavelet Scattering Transform for Pre-Term Infant ECG Dataset	676 -- 680
125	Prasiddha Sarma, S. Ibotombi Singh	Handcrafted Feature Assisted Light-weight Encoder Decoder based Classifier for Yoga Posture Recognition	681 -- 686
126	Ankit Kumar Singh, Ajay Singh Raghuvanshi, Rupa Mehta	A Soft Computing Approach for Efficient Diagnosis of Otitis Media Infection by Mucosal Disease Early Detection and Referrals	687 -- 692
127	Shourya Shukla, Ajay Singh Raghuvanshi, Saikat Majumder, Shalini Singh	FedHNN: A Federated Learning Based Hybrid Neural Network for Real-Time Intrusion Detection Systems	693 -- 697
128	Shabnam Ara, Prashanthi Kumari Nunna	Ultrawide band High Gain Inset Feed Simple Structure In Patch Antenna For Sub 6-Ghz Application	698 -- 702
129	Naghma Khatoon, Rishav Rishu, Sushant Verma, Prashant Pranav	PROPOSING A MODIFIED PROOF OF STAKE SYSTEM TO COUNTER 51% ATTACK IN BLOCKCHAIN	703 -- 706
130	Chhagan Charan, Himanshu .	A 16-byte Asynchronous Gray Code FIFO Memory using Verilog HDL for Real Time Applications	707 -- 711