2023 International Conference on Sustainable Emerging **Innovations in Engineering and Technology (ICSEIET 2023)**

Ghaziabad, India 14-15 September 2023

Pages 1-445



IEEE Catalog Number: CFP23DZ5-POD **ISBN:**

979-8-3503-2926-1

Copyright © 2023 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:	CFP23DZ5-POD
ISBN (Print-On-Demand):	979-8-3503-2926-1
ISBN (Online):	979-8-3503-2919-3

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



2023 International Conference on Sustainable Emerging

Innovations in Engineering and Technology (ICSEIET)

14-15, September 2023

ABES Engineering College, Ghaziabad, India

Table of Content

1	"Soldier Health and Position Tracking System"	
	Solater Health and Fostion Haeking System	1
2	Ashi Aggarwal, Vidit Kumar, Vasu Singhal, Ranjeeta Yadav	
	"IOT-Based Patient Wellness Tracking System"	6
2	Aditi Saxena, Adarsh Bhardwaj, Chirag Gupta, Raj Kesarwani, ShailendraBisariya	
	"Advanced Surveillance system for Women Safety"	10
3	Manish Zadoo, Bhavya Pande, Diksha Gupta, Ayush Singh, Aaditya Sharma, Meenakshi	
	Sharma, Ramendra Singh	
	"Parametric Evaluation of Decode and Forward Relay based Mixed Wireless	15
4	Transmission System over	
	-F Fading Channels"	
	Romya Bhatnagar, Parul Garg	
5	"Traffic Flow Control through Image Processing"	19
-	Ankita Bhatt, Ritika, Abhinav Teotia, Divyanshi Yadav, Akansha, Shubham Tiwari	
	"The power dissipation of complementary metal oxide semiconductor (CMOS) inverter	25
6	and propagation delay for various technologies"	
	Archana Verma, Vimalendra Singh, Ashwini Kumar Upadhyay, Anurag Upadhyay,	
	Sofyan A Taya	
7	"Battery Management System Health Monitoring Using Artificial Intelligence"	31
	Vinod kumar, Dr.Dr.Nitin Singh Singhagha	26
8	"Pest Detection using Machine Learning"	36
	Shikha Sharma , Vinod Kumar, Shraddha Sood	4.5
9	"Implementation of an IOT Live Weather Monitoring System "	45
	Jyoti Pandey, Ayushmaan Raghav, Shailendra Bisariya	50
10	"A Review of Live Weather Monitoring Systems based on IOT "	50
	Aditi Saxena, Nikita Pandey, Shailendra Bisariya, Ayushmaan Raghav	5.5
11	"Analysing the Impact of LSTM and MFCC on Speech Emotion Recognition Accuracy"	55
	Shishir Dwivedi, Nivedita Srivastava, Varun Rawal, Pooja Deshwal, Deepali Dev	59
12	"CNN Based COVID-19 Detection and Analysis Using X-Ray Images"	39
	Shahid Eqbal, Ritika, Rohini Gaur, Roshan Lal Verma "High EMR Wideband with Three Transmission Zero Metasurface Absorber for Stealth	64
13		04
15	and Sensing Application in C, X and Ku Microwave Band" Gaurav Saxena, Nishant Kumar Devbanshi, Mihika Srivastava, Naveen Kumar Yadav	
		70
14	"Design and Development of Electric Veena (DIGIFRET)" Aaditya Sharma, Dr. Meenakshi Sharma , Dr. Ramendra Singh , Gaurav Bishta , Harsh	/0
14		
	Singh , Srishti Rai , Mohit Kumar Pradhan, Manish Zadoo "Neural Control Of BLDC Motor in Electric Vehicle"	74
15		/4
	Mr. Atul Kumar, Kartik Kumar, Mohan Dubey, Rajat Malik, Divyanshu Yadav "Wearable Antenna For Off-body Communication "	81
16	Aditya Aryan, Aditi Singh, Abdul Wahid, Ankit Sharma	81

17	"A 60.0GHz Millimeter-Wave Single-Port High Directional Antenna for Future 5G Applications with Conformal Capability"	84
	Manish Sharma, Rana Gill, Naresh Kumar, Parminder Kaur	
18	"Performance analysis of circular cluster shorting pins patch antenna for high gain" Shiven Pandey, Monika Bhatnagar, Utkarsh Tripathi, Utkarsh Shukla	89
19	"Detection and Prevention of Malware and Ransomware Threats using Malicious String Analysis"	93
17	Md Nahidul Alam, Abishek Singh, Mayuri Kumari, Priyanshu Agrawal, Preeti Dubey, Avinsh Kumar	
20	"A High Gain n260 39.0GHz 5G-Antenna with Conformal Configuration " Manish Sharma, Rana Gill, Naresh Kumar, Parminder Kaur	99
21	"A Comprehensive Review of Theory and Designing of 28GHz 5th Generation MIMO Antenna"	104
22	Manish Sharma, Vaishali Kikan, Rana Gill, Ashwni Kumar "A Novel Dual-Band Modified Inset-fed Rectangular Antenna with Parasitic Structure and Different Slots for K-Band and 39GHz mm Wave Applications"	110
	Anusha Dagar, Vaishali Kikan, Ashwni Kumar, Manish Sharma, Rana Gill	116
23	"Demystifying Hyperledger Fabric Framework for Distributed Ledgers and Approach to Evaluate Its Performance" Rajesh Kumar Kausal, Naveen Kumar, Shanti Makka, Kamal Saluja	116
24	"Handwritten Text Recognition Using Machine Learning" Kartik Saini, Khushi Sharma, Kishan Jayan , Deepali Dev	121
25	"Wide Band 37.68-40.29GHz Quad Port MIMO Antenna for n260 band and Smart City Indoor Applications"	125
26	Bhanu Sharma , Manish Sharma, Rana Gill, Naresh Kumar "Non-Invasive Monitoring Of Blood Parameters Using Biosensors For Medical Applications"	131
27	Akanksha Rawal, Akanksha Singh, Aryanshi Dutt, R L Yadava "A Miniaturized Dual-Port 60.0GHz Antenna for Smart City Indoor IoT Applications "	135
28	Manish Sharma, Bhanu Sharma, Rana Gill, Naresh Kumar, Neeraj Kumar "Challenges and Solution for Security & Living in High Altitude Area Siachen"	140
29	Anirudh Pratap Singh, Anushree Rajput, Anil Kumar, Dhyanendra Jain, Pranshi Verma "IoT Based Circuit Breaker Controller"	144
30	I.Kalaimani, Dhivya dharshini M, Dinesh R, Navaneethan M "Anomaly Detection Approach for Human Detection in Crowd based Locations" Rohit Srivastava, Gunjan Chhabra	150
31	"Performance Analyses of a Highly Sensitive Double-Gate-All-Around Junctionless FET Biosensor"	158
	Sandeep Kumar, Balraj Singh, Yashvir Singh	
32	"Emergency Vehicle Detection using IoT in Smart Cities" Mahesh Kumar Thota, Prathibhava, Sruthi Gujja, Deeksha Ravula Venugopal	163
33	"Sentimental Analysis based Movie Recommender System using Collaborative Filtering Approach" Rohit Srivastava, Pardeep Singh	168
34	"Application Deployment and Performance Measurement in Serverless Cloud for Microservices"	173
35	Sushant Jhingran, Nitin Rakesh "Design Of Atmel PLC and Its Application as Automation of Coal Handling Plant " Sondoon Dworkangth Panda, Ashutash Phatt, Sushant Chamoli, Sk Hasana, Ahammad	178
36	Sandeep Dwarkanath Pande, Ashutosh Bhatt, Sushant Chamoli, Sk Hasane Ahammad "Grading of Fruit Ripeness Using Arduino in IoT" Dilip Kumar Jang Bahadur Saini, Sk Hasane Ahammad, Purushottam Dasa,b, Ashutosh	184
	Bhatt, Pragati Malusare, Sandeep Dwarkanath Pande"Quality, Quantity and Type detection of Fruits inside Refrigerator through Smart Vision	189
37	in IoT" Soumitra Das, Vikas N Nandgaonkar, DilipKumar Jang Bahadur Saini, Ramdas G Biradar, Ashutosh Bhatt	
38	"10 GE MAC CORE Verification Driver-Module" S.P.Velmurugan, Tejaswee Avulapati, Umesh Reddy Venkatathathagari, Govardhan Bandi, Venkata sai Dakshinapu	196

39	"Advancements in Human-Machine Interaction: Exploring Natural Language Processing and Gesture Recognition for Intuitive User Interfaces" Michael Jones M, Swathi J, Jagan T, Naveen T, Kathiresan T, Aravinthan N	201
40	"Enhancing Industrial Safety: Implementation of an Embedded-Based Generator Alert System in Industries" Prakash T, Gokulanand P, Maheshwaran R, Nishanth Kumar E, Subas D	206
41	"Design And Implementation of Smart Billing System" Kalaiselvi P, Michael Jones M, Murugesh S, Varadharajan V, Veerakumar K, Prakash N	212
42	"Removal of Ocular Artifacts from EEG using Adjust Based ICA and Regression Algorithm" Sheshagiri Babu Jimmidi, Shalini Galingula, Aishwarya Akki, Sachikethan Guntha,	219
43	Samresh peetla "Farm Connect Application: Bridging the Gap Between Farmers and Consumers through Digital Technology" Vivekanandan P, Radhika P, Vinoth P, Tarun A	225
44	"Enhancing Disaster Management with RFID Technology: Efficient Victim Data Tracing in Emergency Situations " T.Prakash, Pavithra B, Devaprakash. P, Sivesh. B, Gnanavel S N	231
45	"Green Hydrogen Technology Ecosystem and Computer Science Applications in Power Supply" Kuldeep Pawar, Sandhya Jadhav, Sanket Patil, Abhay Sase, Sankalp Patil, Hrishikesh Patil	236
46	"Introducing CWDCMFE-MBRC Technique for Breast Cancer Detection: A Comparative Survey of Novel Approaches" K.Sai Krishna, P.Grace Kanmani Prince	242
47	"Precision Agriculture: IoT Based System for Real-Time Monitoring of Paddy Growth" R. Thirisha, D. Sugumar, Asha Sherin.J, Dharshini.V, Tryphena T.P	247
48	"Design of Rectifier for Wireless Power Transfer and Electromagnetic Energy Harvesting " Shambhavi Mishra, Shesh Narayan Singh, Sahil Rituraj Singh, Rohit Shula, Kuldeep Singh, Ankit Sharma	252
49	"A Novel Customized Crypto Token Based Approach On Blockchain" Shweta Taneja, Bhawna Suri, Omansh Dhawan, Kunal Khatri, Mritunjay Singh	256
50	"Secure Sustainable Computing and Congestion Aware: Energy Efficient Wireless Sensor Network Based Smart Parking Management System" Kritika Raj Sharma, Tripti Sharma, Nitin Mittal	264
51	"Turning Data Into Insights: Leveraging Artificial Intelligence for Better Understanding of Social Media Consumer Behaviour" Vaishali Panda, Ashutosh Mishra, Manish Sharma	271
52	"Low Power CMOS LNA For Wireless Implantable Neural Stimulators" Ashwani Shankar Dubey, Abhijeet Yadav, Aman Sonkar, Aditya Alok, Gaurav Mehra	276
53	"Front-End Design of 64-bit Carry Look Ahead Adder" Harsh Kumar Bansal, Teena Singh, Nitish Gupta, Tripti Sharma	281
54	"Improving Efficiency of Panel Using Solar Tracker Controlled Through Fuzzy Logic" Hemant Sharma, Arti Rana, Ravindra Pratap Singh, Bhawna Goyal, Ayush Dogra, Dawa Chyophel Lepcha	286
55	"DEVHEALTH- Human Posture Detection Using Machine Learning" Tanya Kansal, Tanishk Varshney, Aryan Chaudhary, Shivani Trivedi	290
56	"Image Processing-Based Fire Detection and Protection System using OPENCV" Vivek Kr. Verma, Khushi Jain, Jaya Kumari, Rohit Kumar, Umang Kumar	296
57	"A Smart Wheelchair with Anthropometric and Ergonomic Characteristics" Naveen Kumar, Sanjeev Verma, Rajesh Kumar Kaushal	302
58	"A Novel Clustering Protocol Using Fuzzy Logic" Manisha Aeri, Shiv Ashish Dhondiyal	308
59	"Innovations in Urban Automation: Robotic Arm Integration in Smart City Environments" Prachi V. Karlekar, Swapna Choudhary, Atul Deshmukh, Harish Banote	314

60	"Review of Deep Learning Techniques over Thyroid Ultrasound Image Segmentation" Jatinder Kumar, Surya Narayan Panda, Devi Dayal, Manish Sharma	320
61	"Lenrow: A Blockchain Based Peer-to-Peer Product Lending and Borrowing System" Shashank Mishra, Tarun Kumar, Piyush Pal, Shivani Trivedi	327
62	"Understanding the Ripple Effect: Exploring the Influence of Cyber Crime on Social Media and its Consumer Behavior"	332
63	Vaishali Panda, Ashutosh Mishra, Manish Sharma "Customized Framework for Backend using Node JS" Aman Dubey, Gaurav Singh Chauhan, Aman Dubey, Jatin Singh, Palak Girdhar	337
64	"Aircraft Crash Rate and Cause Detection using Machine Learning Techniques" Kajal Kumari, Rakesh Kumar Bari, Sumit kumar, Alok Singh Chauhan	342
65	"Image Recognition Using Machine Learning Techniques" Kumari Chandni, Aditya Pratap Singh, Avnish Kumar Rai, Alok Singh Chauhan	347
66	"Multiple Distributed PV Locations and Hosting Capacity Determination Using GA and GWO Algorithm" Pushpendra Singh Kharayat, Gourav Semwal, Sachin Sharma, Tanuj Rawat	351
67	"Face Detection System Using Machine Learning Algorithm" Beauty Kumari , Ananya Pathak, Aman Pal, Alok Singh Chauhan , Biswa Mohan Sahoo , Sameeksha Khare	357
68	"Face Recognition Using Machine Learning" Abhishek Kumar Singh, Sumit Kumar, Bhavesh Kumar, Alok Singh Chauhan	361
69	"A Novel approach for complete aid to blinds using voice assisted Smart Glasses" Mahima Gupta, Mayank Singh, Nidhi Chauhan, Alok Singh Chauhan	365
70	"Child Health Tracking System using React" Chandradeep Bhatt, Shubham Rawat, Rahul Chauhan, Devendra Kumar, Mukesh Kumar, Shiv Ashish Dhondiyal	370
71	"Web Scraping Scraping: Huge Data collection from Web" Chandradeep Bhatt, Gaitri, Devendra Kumar, Rahul Chauhan, Ashish Vishvakarma, Teekam Singh	375
72	"Deep Learning for Handwritten Character Recognition" Chandradeep Bhatt, Akanksha, Rahul Chauhan, Devendra Kumar, Teekam Singh, Sanjay Sharma	379
73	"Development of an AI Enabled Yoga Posture (Aasans) Prediction System using Deep Neural Network Model" Rahul Yadav, Rajat Chaudhary, Sanesh Istwal, Sumit Kumar, Manvi Bohra, Indrajeet Kumar	386
74	"An Investigation of square hole based cladding with perforated core for large birefringence and highly negative dispersion"	391
75	Anurag Upadhyay, Bhargavi Chaudhary, Shivam Singh, Prem P. Singh, S.A.Taya "Tweets Sentiment Analysis Using Machine Learning and Modified BERT Methods" Indrajeet Kumar, Rahul Chauhan, Arun Negi, Teekam Singh, Noor Mohd	395
76	"Detection of Parkinson's disease Using Machine Learning: A case study" Aditya Singh Rathore, Aakaash Chand Rajan, Animesh Kanwal, Pawan Chandra Joshi, Mukesh Kumar, Chandradeep Bhatt	401
77	"Crowd Social Distance and Mask Detection using Classical Machine Learning" Abhishek Suya, Ankit Negi, Mahima Bisht, Shubham Parihar, Mukesh Kumar, Chandradeep Bhatt	407
78	"Developing a Web-Based Carpooling Application" Rahul Chauhan, Abhimanyu Singh Chauhan, Chandradeep Bhatt, Mukesh Kumar, Ishita Uniyal, Anamika Arora	413
79	"Fake news detection using machine learning algorithm" Rahul Chauhan, Sneha Uniyal, Chandradeep Bhatt, Prabhat Kumar, Mukesh Kumar	418
80	"Fine Grained Sentiment Analysis using Machine learning and Deep learning" Rahul Chauhan, Aman Gusain, Prabhat Kumar, Chandradeep Bhatt, Ishita Uniyal	423
81	"Automated Navigation System for News Videos: A Survey" Mayank Aggarwal, Vanshika Kuchchal, Durgaprasad Gangodkar, Nisha Chandran	428
82	"A Bibliometric Review of Gold Price Forecasting Techniques: Trends and Future Directions" Sarveshwar Kumar Inani Jindal, Gaurav Kabra, Arun Balodi, Vaishali Pagaria	435

83	"Pneumonia Identification Using Deep Learning Models" Manvi Bohra, Indrajeet Kumar, Teekam Singh	441
	"Forecasting and understanding compressive properties of concrete using the ensemble	446
84	learning methods"	
	Mohit, L. Balwinder	
	"Unlocking the market insight potential of data extraction using Python-Based web	453
85	scraping on Flipkart"	
	Kavya Singh Dogra, Nidhi Nirwan, Rahul Chauhan	
86	"Analysis and Classification of Skin Cancer Using Deep Learning Approach"	458
	Himanshu Chaudhary, Ruchita Gautam, Praveen Kumar, Abhishek Sharma	1.6.4
87	"A novel content based movie recommendation system"	464
	Suman Adhikari, Rahul Chauhan, Himadri Vaidya, Ishita Uniyal, Anamika Arora "Beam Forming Techniques in MIMO Antenna: A Review"	470
88	Anjali Baliyan, Mohd. Gulamn Siddiqui	470
	"Mental Stress Prediction using Wrist Wearable through Machine Learning Approaches "	475
89	Poonam Verma, Rahul Singh	775
	"DeepDoc: Automated Document Segregation using Deep Learning"	482
90	Aayushi Shilledar, Abhiram Degwekar, Atharva Pande, Kalpit Bhawalkar	102
	"3D-CNN Empowered Assistive Machine Learning Model for the Hearing Impaired"	487
91	Ankit Bansal, Vijay Anant Athavale, Amandeep Singh, Aditi , Moris Adam Shahmiri,	
	Kiran Deep Singh	
	"Bluetooth Based Home Automation using Android Phone"	491
92	Priyanka Bhardwaj, Manidipa Roy, Sanjay Kumar Singh, Vanshika Jain, Mega Novita,	
	Yuris Setyoadi, Agus Mukhtar, Yuris Setyoadi	
	"Review Paper on Bluetooth Based Home Automation using Android Phone"	494
93	Priyanka Bhardwaj, Manidipa Roy, Shilpa Srivastava, Sanjay Kumar Singh, Vidushi	
	Gupta, Mega Novita, Muhammad Amirudin, Imadudin Harjanto	
94	"Housing Price Prediction Model Using Machine Learning"	497
74	Aman Chaurasia, Inam Ul Haq	
	"Orchestrating a Sustainable, Energy-Efficient LoRa-Connected Lighting System for	501
95	Next-Generation Smart Cities"	
	Bhawna Goyal, Kanchan Yadav , Atul Babbar , Aishwaraya Mishra, Rajesh Singh,	
	Aqeel Ali, Ayush Dogra	507
	"Maternal Health Risk Classification - A Comparison between Algorithm Decision Tree and k-Nearest Neighbor (kNN)"	307
96	Maylia Fatmawati, Nugroho Dwi Saputro, Noora Qotrun Nada, Bambang Agus	
	Herlambang, Mega Novita, Alok Singh Chauhan, Amit Sinha, Shruti Gupta	
	"A Comprehensive Analysis of Mask Detection using Convolutional Neural Networks	512
	(CNN) and Single Shot Multibox Detector (SSD) Approach"	512
97	Bayu Krisna Mukti, Muhammad Amirudin, Imadudin Harjanto, Adhi Kusmantoro, Mega	
	Novita, Sanjay Kumar Singh, Priyanka Bhardwaj, Manidipa Roy	
	"Design and Development of a Mobile Goods Transfer Robot using Waypoint GPS	517
98	Navigation Method"	
90	Danang Puji Wiliyanto, Slamet Supriyadi, Agus Mukhtar, Yuris Setyoadi, Mega Novita,	
	Ankur Dixit, Prabhat Singh, Rahul Virmani	
99	"CNTFET based Unbalanced Ternary Master-Slave Delay Flip Flap Flop"	523
,,	Tabassum Khurshid, Vikram Singh	
100	"Review of Technique and Performance Analysis of FSO (Free Space Optical Fiber)"	527
	Vartika, Sanjay Kumar Singh, Priyanka Bhardwaj, Manidipa Roy	
101	"Leaf Detection: Techniques and Applications"	532
	Rahul kumar, Arpit pal, Tejendra singh	= 0 - f
102	"Enhancing Brain Tumor Detection through CNN and Data Augmentation: A	536
102	Comprehensive Study"	
	Saral Garg, Shashank Sahu	<i>с</i> 4 4
	$ \mathbf{T}_{1} = \mathbf{M}_{1} + \mathbf{M}_{2} + \mathbf{M}_$	
103	"Forecasting Market Price of Stock using Artificial Neural Network"	544
103	"Forecasting Market Price of Stock using Artificial Neural Network" Yuvraj Srivastava, Alok Singh Chauhan, Rashmi Vaishnav, Kapil Bharadwaj "Review of Brain Tumor MRI detection using CNN"	544

105	"Investigating the Multifaceted Applications of Nanotechnology in Wireless Sensor Networks for Environmental Monitoring: Advancing Monitoring Capabilities for a Sustainable Future"	555
	Jagannath Pattar, D Ramesh, Bhaskar HB, Manjunatha T S	
106	"Deep Learning for Plant Species Classification" M. Sunil Kumar, Peddinti Neeraja, Anusha Gunamaneni, Ankireddy Vijaya Nirmala, Gobburu Nikhil	559
107	"Severity Level Prediction and Finding Cause in Flight Accidents Using Machine Learning" M. Sunil Kumar, P.Neeraja, R Amulya, Kopparthi Swarna, Tadipatri Surya Prakash Reddy	565
108	"Crop Yield Prediction using Machine Learning" M. Sunil Kumar, S. Girinath, G.Guru Venkata Siva Lakshmi, A.Venkata Shiva Ganesh,	569
109	K.Jayanth Kumar "Reservoir Computing-Based Screening for Early-Stage Alzheimer's Detection" M. Sunil Kumar, M.Sowmya Vani, P.Yashaswini3, M.Madhavi, M. Aswini	574
110	"Leveraging Laws and Emerging Technologies to Enhance Women's Political Activity in Uzbekistan"	578
111	Nishonova Nodirakhon Rayimovna, Khamrakulov Otabek Rakhimjon ugli "Early Diagnosis and Preventive Measures of Kidney Stone Diseases Among the Population"	581
112	Iskandarova Shakhnoza, Navruzova Rano, Aminova Asalya, Aminova Amalya "Problems of Creating a Scientific and Production Sphere in the Republic of Uzbekistan: Exploring Software-Defined Networking (SDN) and Network Function Virtualization (NFV)" Munovar Abdurakhmanova	584
113	"Modeling the Development of Department Activities in Higher Education Institutions: Enhancing the Management System with Quantum Communication and Cryptography" Ozoda Safibullayevna Abdullayeva, Alijon Olimjonovich , Go'zal Abdurasulovna	588
114	Xusayinova "Investigating the Influence of Constant Magnetic Field on Neutron-irradiated LiF and LiF:OH Crystals: Insights for Cooperative Communication in Wireless Networks" Dilnoza Baxtiyorovna Elmurotova, Malika Anvarovna Mussayeva, Laziz Orziqulovich Mediana Lab Magnetic Parameters	592
115	Meyliyev, Lola Mannanovna Muxamedaminova "Model Testing and Validation of Factors Affecting Wellbeing of Retail Salesforce: Harnessing Machine Learning for Wireless Channel Prediction in Retail Environments." Gouthami Kore, Srilalitha G Kumari Sagi, Chandana Valluripalli, Joseph Paul, Sunil Kumar, V V Devi Prasad Kotni	596
116	"Comparative Analysis of The Internet of Things (IoT) In the Health Sector" Musavir Hassan, Rashmi BH, Harikumar Pallathadka, V. Rama Krishna, Lakshmi Padmaja, Mohd Naved	601
117	"Urban Object Detection in UAV Imagery for Healthcare Applications: Leveraging the Internet of Things (IoT) in Smart Cities for Enhanced Urban Healthcare Monitoring and Management" Bhanurangarao M, Mahaveerakannan R	607
118	"A Review Paper on Big Data Analytics: Tools Problems and Future Reseach Difficulties" Sejal Varshney, Shilpa Shreya, Ritu Raj Kumar, Vikas Kumar, Alok Singh Chauhan	613
119	"Fortifying the Smart World: An In-Depth Look at Security Measures for IoT Devices" Arunima Rai, Aryan Jain, Alok Singh Chauhan	619
120	"An Overview of Implementation Strategies on Cyber Security" Anushka Sharma, Alok Singh Chauhan, Anurag Vishwakarma	625
121	"Advancing Plant Identification through Leaf Image Analysis: A Comprehensive Review of Literature and Techniques"	629
122	Pulicherla Siva Prasad, A. Senthilrajan "Traffic Signal Recognition System using Deep Learning" Ramesh Nuthakki, Abdullah Aameen, Nawnit Kumar, Shalabh K Mishra	636

123	"Convolutional Neural Network for Removal of Environmental Noises from Acoustic Signal " Shibani Kar , Vishwajeet Mukherjee	640
124	"Smart City Technical Planning based on Time Series Forecasting of IOT Data" P.Venkateshwari, Vivek Veeraiah, Veera Talukdar, Deena Nath Gupta, Rohit Anand, Ankur Gupta	646
125	"Prediction of Health Risk based on Multi-Level IOT Data using Decision Trees " Mamta, Vivek Veeraiah, Deena Nath Gupta, Bakkala Santha Kumar, Ankur Gupta, Rohit Anand	652
126	"Study of Nanostructured Metal Oxide Semiconductor based Gas Sensors for Toxic Gas detection" Saumya Srivastava, Tripti Sharma, Manish Deshwal	657
127	"Analysis of Glucose-Insulin Dynamics as an Integrator in Type 1 Diabetes" Jitendra Singh, Sangeeta Kamboj, Sahaj Saxena	663
128	"Headlight range estimation for Autonomous vehicle using deep learning networks" R.Aruna, Sunitha H D, A. Syed Ismail, K. SASIKALA, Kannan Nova, Surrya Prakash Dilli Babu	666
129	"Multi-mode predictive energy management for fuel cell hybrid vehicle using Markov" Vartika Kulshrestha, Kannan Nova, M.PADMARASAN, Naveen krishna Alla, Tamilnadu, B.K.KARUNAKAR RAO	671
130	"Analysis of speed control of solar and wind energy hybrid in BLDC motor with IoT" K Durga Syam Prasad, K Sravanthi, C.Vennila, B. K. KARUNAKAR, Kurikyala Prasad Yadav, N. Jaya Chitra	677
131	"A Review on Multiple Renewable Energy Resources, Battery Storage System and Demand Response in Contemporary Distribution System" Gourav Semwal, Sachin Sharma, Tanuj Rawat	682
132	"Performance Enhancement Using Hybrid VTOL UAV" Kshitij, Mohd Areeb Fakhar, Neelesh Kumar Gupta	687
133	"A Deep Transfer Learning Approach for Enhanced Traffic Sign Recognition in Autonomous Vehicles with NVIDIA Jetson Nano" B. Anil Kumar, Meghana Majji, Hema Jayasri Marni, Mohammad Ateeq, Smarani	692
134	Koduru, Surya Mohith Maddi "Facial Emotion Based Automatic Music Recommender System"	699
135	Mahesh Kumar Singh, Pushpendra Singh, Amit Sharma "Smart Devices and SRAM: Analyzing their Impact"	704
136	Pushkar Praveen, Rakesh Kumar Singh "Communication Protocols in Industry 4.0"	709
137	Muskan Shaikh, Pritesh Shah, Ravi Sekhar "Development of Lorawan Based Water Quality Monitoring System" Prasad Kavadana, Shaik Fayaz Ahamed, Ravi Raja Akurathi, Venkatesh Babu M, Sai Kiran K, V H Prasad Reddy	715
138	 "Enhancement of Throughput and Energy Effeiciency using Enhanced Dynamic Power Consumption MAC protocol in MANET" B. Sujitha, P. Vijay Kumar, Usha Devi Yalavarthi, Arun M, K. N. V. Suresh Varma, V. Gokula Krishnan 	719
139	"Virtualization Framework for Securing Cloud to 5G Networks using Ant Lion Optimization constructed KGMO for Mobility Supervision" Lokireddy. Sarala, T. Mahalakshmi, Sucharita M Kandarkar, Yadavalli S S Sriramam, M. Arun, K. N. V. Suresh Varma	725
140	"Implemented Model for CNN Facial Expressions: Emotion Recognition" Pratik Singh, Shivani Pandey, Aditi Sharma, Archana, Tanaya Gupta	732
141	"IPv6 Addressing Strategy for IoT Network: A Comprehensive Review"	738
1.42	Pragya, Bijendra Kumar "An Experimental Study of Concurrent Multipath Transmission Protocol in Lossy and	745
142	Asymmetric Network Environment" Gyanendra Kumar, Pragya, Lal Pratap Verma, Sur Singh Rawat, Mahesh Kumar Singh	
143	"Machine Learning Techniques for detecting and mitigating DDoS attacks in IoT" Meenakshi Gupta, Rinky Ahuja , Kriti Sharma , Feroz Ahmed , Anand Sharma	751

144	"Smart Cattle Farm Infrastructure and Monitoring Cattle Health Status using IOT" K. Ezhilarasan, Shilpa A N, Sridhar N, Vijaya Lakshmi	757
145	"Chaotic Sparrow search optimizer for structural design challenges" Blessing Emmanuella Oshiojum, Yaswanth Reddy Vada, Ardhala Bala Krishna, Vikram Kumar Kamboj, P Abitha Rose, D Shine Rajesh	763
146	"Drone-Based Predictive Structure Analysis: A Review" Trushant Patil, Durgesh Nandan, Kanhaiya Sharma, Deepak Parashar	768
147	"Investigation of MIMO Antenna Design for Sub-6 GHz 5G (N77/N78 and N79) Applications" ASVG Sravana Sandhya, Sanjeev Kumar, N.Radha, V.Preethi, Kunal Srivastava	774
148	"A Compact Mm-Wave MIMO Antenna for 5G Communication" A.Devi Deekshitha, N.Radha, V.Preethi, Kunal Srivastava, Sanjeev Kumar	778
149	"Tuning Fork-Shaped Textile MIMO Antenna for UWB Applications" NG Lakshmi Priya, N.Radha, K.Srivastava, KLV Prasad, Sanjeev Kumar	782
150	"Compact Stair-Shaped MIMO Antenna for 27 GHz Applications" C.Chaitanya Neelima, KLV Prasad, N.Radha, Sanjeev Kumar, K.Srivastava	786
151	"Design of Compact Triangle-Shaped MIMO Antenna with High Isolation for UWB Applications"	790
152	G.Vasantha, Sanjeev Kumar, N.Radha, R Anil Kumar, Kunal Srivastava "Diagnosis of Heart Failure using AI Techniques" Roopali Gupta, Jyoti Rawat, Indrajeet Kumar, Teekam Singh, Manvi Bohra, Devendra kumar	795
153	"Unlocking the Potential of Perovskite Solar Cells: Enhancing Efficiency through Acceptor Density Optimization" Savita Rawat, Jaya Madan, Rahul Pandey	801
154	"PV performance analysis of CsSnI3 based all-inorganic perovskite solar cell using SCAPS simulations" Vishal Yadav, Rahul Pandey, Jaya Madan	805
155	"Customer Churn Prediction in Telecom Services" Manisha Aeri, Shiv Ashish Dhondiyal, Yash Rana, Suraj Rawat, Piyush Kothari, Ritik Adhikari	809
156	"Techniques to Ensure Quality of Services in Wireless Body Area Network: A Survey" Mohd Kaleem, Ganesh Gopal Devarajan	812
157	"Design and development of a LMS with MVVM architecture" Anurag Singh Negi, Himadri Vaidya, Rahul Chauhan	820
158	"Comparative analysis of image encryption and decryption algorithms" Sunder Singh, Rahul Chauhan, Himadri Vaidya, Anamika Arora, Chandradeep Bhatt	824
159	"House price prediction using gradient boosting and linear regression" Utkarsh Gupta, Himadri Vaidya, Rahul Chauhan, Chandradeep Bhatt	829
160	"2.4Ghz Microstrip patch antenna for Wi-Fi application" Anupam Choudhary, Manidipa Roy, Priyanka Bhardwaj, Sanjay Kumar Singh	833
161	"Automatic liquid flow management using Internet of Things (IoT) technology " Harjeet Singh, Rakesh Goyal, Arun Upmanyu, Punam Goyal	837
162	"Parametric Modelling of Interleaved Resonant DC– DC Converter with Common Secondary Rectifier Circuit for xEV Charging Applications" Rajanand Patnaik Narasipuram, Subbarao Mopidevi	842
163	"Impact of Solar PV System on Energy Loss and Voltage Profile of Distribution System Using GWO and PSO Algorithm" Pushpendra Singh Kharayat, Gourav Semwal, Sachin Sharma, Tanuj Rawat	847
164	"Deep Architecture for Breast Cancer Detection: Using Optimized VGG16 Model and Transfer Learning" Akash Chauhan, Indrajeet Kumar, Kamred Udham Singh, Prabhdeep Singh	853
165	"Convolutional Neural Network based Implementation of Human Ear Recognition System" Nitin Sharma, Kriti Gupta, Princy Maurya, Deepesh Gorai, Himanshu, Goodluck E. Nuhu	859
166	"Development And Implementation of the Ganga Water Quality Monitoring System " Bhavyansh Joshi , Vishwatman Pathak, Indrajeet Kumar, Noor Mohd, Sunny Prakash, Lalan Kumar	864

	"Role of IOT in healthcare inclusion in developing countries: A Systematic Literature	869
167	Review"	
	Sandeep Narula, Niranjan R. Sharma, Gaurav Nagpal	
	"Inegrated IoT enabled Fog-Based Hand wash system for effective sanitization "	876
168	Amjuri Sai Srija, Addula Gayathri , G Ramcharan, D Dhanalakshmi, Sowmya Mandala,	
	Shanmugasundaram Hariharan	
	"Traffic signal automation by sensing and detecting traffic intensity through IR sensors"	881
169	Shaik Shahana, Rajamoni Revathi, Pothuraju Sowmya, D Dhanalakshmi, Sowmya	
	Mandala, Shanmugasundaram Hariharan	
	"A Review of Optimization Algorithms for Training Neural Networks"	886
170	Animesh Srivastava, Bhupender Singh Rawat, Gulbir Singh, Vivek Bhatnagar,	
	Parveen Kumar Saini , Shiv Ashish Dhondiyal	
171	"Smart Glasses for Blind People Using Obstacles Detection"	891
1/1	Samrat Raj Sharma, Vishal Rawat, Tanuja Rawat, Waseem Ahmed, Deepali Dev	
	"Reconfigurable monostable Multivibrator using Bulk-Driven Current Conveyor	895
172	Transconductance Amplifier"	
	Shailendra Bisariya, Neelofer Afzal	
	"The Concept of Complex Neutrosophic Hesitant Fuzzy Graph is Used to Solve a	899
173	Problem Related to Cellular Network"	
	Mahima Poonia, Priyanka Bhardwaj	
174	"An Enhanced Secure Authentication Scheme for the Internet of Things"	905
1/4	Neetu, Animesh Srivastava, Lal Bihari Barik, Shiv Ashish Dhondiyal	
	"Dual Band Microstrip Patch Antenna for maritime navigation as well as fixed satellite	910
175	and mobile communication"	
	Manish, Navneet Sharma, Narbada Prasad Gupta	
176	"Slot Loaded MIMO Antenna with High Isolation for THz Applications "	913
170	Anubhav Kumar, Divya Saxena, Pankaj Jha, Navneet Sharma	
177	"Smart Sensor-based Drunken Driver Detection System for Human Life Safety"	917
1//	Aman, Surya Saxena, Alok Singh Chauhan, Manish Mishra	