2024 International Conference on Emerging Technologies and Innovation for Sustainability (EmergIN 2024)

Greater Noida, India
20-21 December 2024

IEEE

IEEE Catalog Number: CFP24VP7-POD
ISBN: 979-8-3503-9127-5

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: CFP24VP7-POD
ISBN (Print-On-Demand): 979-8-3503-9127-5
ISBN (Online): 979-8-3503-9126-8

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

TABLE OF CONTENT

Sr. No.	Title	Page No.
1	Blockchain, IoT and Artificial Intelligence Technologies Enabled Precision farming for Sustainable Agriculture 4.0 Himanshu Rai Goyal; Sachin Sharma Paper ID 0017	1-6
2	Artificial Intelligence, Cloud Computing, Blockchain, and Vedic Scripture Enabled Sustainable Global Judicial System for Democratic Society Sachin Sharma; Himanshu Rai Goyal; Ruchira Rawat; Ranu Tyagi Paper ID 0018	7-12
3	Deep Learning Inspired Biomarker Diagnostic Enabled Heart Health Monitoring System for Cardiac Arrest Detection Aanika Gupta; Sachin Sharma Paper ID 0019	13-17
4	Improving Educational Strategy by Integrating Digital Human into Classroom Dynamics Neha Dutta; Neetu Rani; Vijay Mohan Shrimal; Manoj Wadhwa; Parveen Badoni Paper ID 0029	18-23
5	Exploring the Educational Frontier: Assessing the Role of Augmented and Virtual Reality Akul Sikand; Vikas Rattan Paper ID 0032	24-29
6	An Integrated Architecture of RIS-based Non-Terrestrial Networks with 6G for Rural Communications Naba Raj Khatiwoda; Babu Ram Dawadi; Sashidhar Ram Joshi Paper ID 0033	30-36
7	Design and Development of a Low Power CMOS Based 18T SRAM utilizing 45 nm Technology Souranshu Sanyal; Monika Dixit Paper ID 0037	37-40
8	Comparative Analysis of 45nm CMOS Model in comparison to 6T, 8T, 10T, 12T and 14T SRAM Models. Souranshu Sanyal; Monika Dixit Paper ID 0044	41-46
9	Power estimation at early stage of the Real time SoC Suchitha K R; Praveen Jaraut; Kamatchi S Paper ID 0045	47-50
10	Privacy-Preserving Machine Learning Techniques for Securing Cloud Data Pawan kumar Goel; Lakshay Singh Mahur; Kaushal Kumar; Bhopendra Singh Paper ID 0046	51-57

11	The Expanding Scope of Artificial intelligence (AI) in Sales Processes: A study on AI Applications and their Impact on improved sustainable process enablement Dr. P. Nalini; Dr. V. Anandavel Paper ID 0048	58-61
12	Advanced Threat Detection: Leveraging Data Analytics for Cybersecurity Enhancement Bikash Kumar Yadav; Prince Kumar Keyal; Reshma Khan; Nirajan Chaube; Prishika Chaudhary; Pranav Chaurasiya. Paper ID 0050	62-67
13	A Comprehensive Review of Smart Glove Technologies for Enhancing Visual Impairment Assistance Mohit Beri; Rahul Chauhan; Kanwarpartap Singh Gill; Hemant Singh Pokhariyal Paper ID 0106	68-72
14	Advancements in Brain Disease Diagnosis for Comparing Traditional Methods and Deep Learning Approaches in Medical Imaging Sunita Kumari; Laxman Singh; Moghal Irfan Pasha; M. Kumaraswamy; Amar Choudhary; Monika Agarwal Paper ID 0180	73-77
15	Machine Learning Models for Enhancing Time Series Demand Forecasting in Business Intelligence Soummya Chowdhury; Dr. Shobha Mishra; Neeraj Sharma; P. Srinivas Reddy; Yogesh Kumar Sharma; Ayushi Tyagi Paper ID 0181	78-84
16	Deep Learning-Based ECG Analysis for Anomaly Detection and Classification Using DCNN MOGHAL YASEEN PASHA; Nitin Sharma; Priyanka; Vipul Kumar Verma ; Amar Choudhary; Rahul Sharma Paper ID 0182	85-91
17	Smart Hardware for Human Based Multi-Object Detection on Cyber Physical System under IIOT-4.0 Amit Kumar Bindal; Neeraj Mangla; Charanjit Singh; Ankur Mangla Paper ID 0185	92-97
18	Enhancing Education with Augmented Reality: A Prototype-Based Approach Girish Paliwal; Kanta Prasad Sharma; Raghav Mehra; Vijay Mohan Srimal; Manoj Kumar Pandey; Harsh Vijay Paper ID 0212	98-104
19	DIABETIC RETINOPATHY DETECTION USING CAPSULE NETWORK MODELED DEEP LEARNING Govindharaj I; Vijayarajeswari R; Anbuthiruvarangan K; Hannah Rose Esther T; Anandh R; Dinesh Kumar K Paper ID 0214	105-109

20	Energy Efficient WSN-IoT Networks for Healthcare Services: A Comparative Analysis Anuradha; Tarun Gulati; Amit Kumar Bindal; Zatin Gupta Paper ID 0215	110-114
21	Improving Genetic Variant Calling Using Deep Convolutional Neural Networks and Ensemble Learning Dr Manjunath Gadiparthi; V. Ramu; G Vasukidevi; G Shyamala; Renato R. Maaliw III; Dr. Athiraja Atheeswaran Paper ID 0229	115-121
22	A COMPREHENSIVE SURVEY ON INTRUSION DETECTION SYSTEMS IN IoT ENVIRONMENT Ufulu Lawrence Chiona; Rajendra Kumar; Gunjan Aggarwal Paper ID 0232	122-127
23	Mapping the intersection of AI and Sustainable finance: A Bibliometric study on Global Trends and Research Networks Priya; Kavita Sharma Paper ID 0235	128-134
24	IMPACT OF AI DRIVEN PREDICTIVE PRIVACY MECHANISMS IN UAV INTEGRATED V2X 6G NETWORKS Nitesh Kumar Bairwa; Garima Jain; Sandhya Umrao; Poonam Ponde Paper ID 0243	135-139
25	Enhancing Web Traffic Security: A Deep Learning Approach to Defend Against Traffic Analysis Attack Durdharsh Swami; Dr. Jitendra Musale; Prof. Amruta More; Shreyash Wadshingkar; Niranjan Ghadghe; Atharv Garudkar Paper ID 0255	140-146
26	LORA Communication Model Design For Environmental Data Of Natural Calamities Area Anil Kumar Dubey; Sonam Sirohi;Qarib Anwer; Shazeb Alam; Mohd Sahil Paper ID 0257	147-151
27	Assessing Urban Sustainability with Geospatial Technologies: Mapping Public Transport Accessibility in Casablanca to Support SDG 11.2 Soukaina TAYI; Hassan RADOINE; Rachida EL-BOUAYADY Paper ID 0266	152-156
28	Enhancing Retail Sustainability: Data-Driven Approach for Food Waste Detection and Prevention Sadaf S. Sajjadi Jaghargh; Ashkan Amirnia; Mina Mirkazemi; Samira Keivanpour Paper ID 0267	157-165
29	Optimizing Ag2BaTiSe4 Photovoltaic Devices by Investigating Tuning of Key Parameters Vishal Yadav; Rahul Pandey Paper ID 0279	166-168

30	Assessing the Efficiency of Advanced Deep Learning Model for Brain Tumor Diagnosis Bhawna; Dr. Deepa Gupta; Dr. Kumod Kumar Gupta Paper ID 0280	169-174
31	A Mobile Unit for Weather Monitoring and Prediction using IoT and Machine Learning Dr. Zatin Gupta; Naman Kaushik; Jayant Baisla Paper ID 0283	175-180
32	Text Dependent speaker identification from disguised voice using Feature Extraction and classification Rajeev Ranjan; Mahesh K. Singh; Amandeep Sharma Paper ID 0300	181-186
33	Digital Solutions for Community Health: Enhancing Blood Donation with Mobile Technology Karthik S; Vishal kumar S; Tamilkumaran N; Akshayan K; Dr.R Babitha Lincy Paper ID 0302	187-191
34	Advances in Handwritten Character Recognition: A Comparison of OCR and Large Language Model-Based Approaches Unnati Gupta; Ayush Kumar; Arti Gupta, Gaurav Raj; Arun Prakash Agrawal Paper ID 0305	192-198
35	Navigating the AR Labyrinth: Enhancing Immersion and Interaction through Tracker-Based Movement in Augmented Reality Maze Games Vijay Mohan Shrimal; Girish Paliwal; Madan Lal Saini; Mamta Sharma; Manoj Wadhwa; Parveen Badoni Paper ID 0310	199-203
36	Towards Smarter Cities: Analyzing the Impact of Automated Parking Systems Mamta Sharma; Vijay Mohan Shrimal; Alok Das; Khushi Jain; Manoj Wadhwa; Parveen Badoni Paper ID 0311	204-208
37	Fall Alert ESP: Enhancing Elderly Safety with ESP8266 Technology Dr NAVJOT RATHOUR; MONIKA; Vivek Kumar; SANKHA SUBHRA KUNDU; PURNENDU SEKHAR PANDEY Paper ID 0317	209-213
38	Advanced Security with YOLO Object Detection using Raspberry Pi Dr. NAVJOT RATHOUR; YASH Gehlot; ADITYA GURUNG; SANKHA SUBHRA KUNDU; Vivek Kumar; PURNENDU SHEKHAR PANDEY; MONIKA Paper ID 0318	214-218
39	The Future of Banking: How Artificial Intelligence is Reforming the Industry Karan Kumar; Nikita Kuhar; Dr. Manu Sharma Paper ID 0321	219-224
40	Intelligent Tyre Condition Assessment through DL Models for Enhanced Predictive Accuracy Preet Singh; Taniya Hasija; K. R. Ramkumar Paper ID 0324	225-230

41	Design & Development of an Electronic Rodent Trap with a GSM-Based Monitoring System Jan Joseph P. Jamero; Julieto M. Grengin Jr.; Lloyd B. Lloren; Re-Ann Cristine O. Calimpusan; Jeffrey T. Dellosa; Alfred Dennis B. Balamad Paper ID 0325	231-237
42	Design and Implementation of Ore Classifier Using Transfer Learning Approach Cyrel O. Layson; Ridge C. Rosas; Alexander T. Demetillo; Re-Ann Cristine O. Calimpusan; Jeffrey T. Dellosa; Ronieto N. Mendoza Paper ID 0329	238-244
43	Smart Agriculture: Combining Crop Recommendation, Yield Prediction, and Environmental Analyzers for Optimized Farming Mrigaank Jaswal; Archana Kumari; Khushmn Sangha; Deepti Arora Paper ID 0341	245-251
44	Optimizing Tuberculosis Risk Prediction Through Advanced Logistic Models and Data-Driven Approaches Ruby Dahiya; Yagnesh Challagundla; Virender Kumar Dahiya; Nidhi Agarwal Paper ID 0344	252-257
45	Blockchain-Enhanced AI Diagnostics in Healthcare Sachin Pal; Tanushka; Kanishka Jha; Deepika Sharma Paper ID 0355	258-263
46	Crowdsourced and Social Media Data for Environmental Monitoring and Disaster Response: A Dual Case Study of Real-time Flood Tracking and Air Quality Surveillance Sachin Pal; Tanushka; Kanishka Jha; Deepika Sharma; Prateek Sahani; Ayush Awasthi Paper ID 0356	264-269
47	Deepfake Technology: An In-depth Review of the Emerging Threats Posed by Artificial Intelligence to Society Naveen Negi; Deepak Kaushal; Sargam Bahl; Abhilasha Mer Paper ID 0357	270-274
48	Enhancing Network Performance through AI-Based Traffic Optimization Techniques RS Krishna; Aman Raj; Kuldeep Kumar; Baljeet; Ashutosh; Ansh Gupta Paper ID 0365	275-282
49	Pneumonia Detection - Deep learning Technique using Chest X-ray images RAVULAPALLI VENKATA PAVANI; NAGARAJAN GOVIND; S KALYANI SRAVYA; E Sai Hruthin; N Bala Sai Vijay Krishna Paper ID 0384	283-287
50	Hybrid Machine Learning based Heart Disease Detection Kuldeep Vayadande; Dr. Swati Gandhi; Shreeparth Torawane; Hariom Surwase; Kunal Sonne; Atharva Tuljapurkar; Raj Thakur Paper ID 0418	288-294

51	AI Powered Job Recommendation System Durgesh Kumar Kushwaha; Lipakshi Arora; Abhinav Anand; Riya; Darshit Sheth; Shanu Khare Paper ID 0427	295-299
52	Hybrid Slide Sense: A Holistic Approach to Predicting Landslide Susceptibility via Deep Learning and Machine Learning Senthil Pandi S; Kumar P; Suchindhar RM; Karupannan P Paper ID 0433	300-305
53	Traffic analysis with Lane-Level Vehicle Speed Estimation Rashmi Rathi Upadhyay; Kanika Naugain; Ashutosh Yadav; Dr. Zatin Gupta Paper ID 0447	306-312
54	A Novel Methodology to Enhance Explainability in AI Systems for Trust and Transparency through Brain MRI Data Shivanshu Upadhyay; Udit Narayan Bera; Shailesh Khaparkar; Anushka Bhatt Paper ID 0450	313-319
55	Exploring Artificial Intelligence & Machine Learning in Precision Agriculture Tauhid Hashmi; Gracy Chauhan; Niranjan Kumar; Anubhava Srivastava; Himanshu Sharma Paper ID 0452	320-324
56	Integration of Li-Fi and IoT for Sixth-Generation (6G) Communication Systems Ajay Sharma; Peter Albert Xuereb; Lalit Garg Paper ID 0454	325-328
57	Brain Fingerprinting and Machine Learning; A futuristic approach to Forensic Science Nandan Tiwari; Sagnik Mustafi; Shamama Anwar Paper ID 0462	329-332
58	Healthcare Diagnostic RAG-Based Chatbot Triage Enabled by BioMistral-7B Kushagra Sinha; Vaibhav Singh; Ankit Vishnoi; Parul Madan; Yadvendra Shukla Paper ID 0471	333-338
59	Development and Evaluation of a Multiband Om-Shaped (ॐ) Slotted CPW Fed Patch Antenna for 5G Wireless Uses Anupam Kumar Yadav; Sandeep Kumar Singh; Pavan Kumar Shukla; Achyuta Nand Mishra; Neelesh Kumar Gupta; Poonam Ponde Paper ID 0472	339-345
60	AI Insights into Business Incubators: Boosting Entrepreneurship Development Through Data Analytics Amit Rawat; Dr Shagun Tyagi; Akhilesh Sharma; Kapil Ahalawat Paper ID 0509	346-350
61	Integrated Machine Learning approach for Attack Detection in MQTT-Enabled Smart Home Systems Abhay Kumar Ray; Dr. Rupak Sharma; Dr. Sunil Kumar Pandey Paper ID 0517	351-356

62	Analysis of Master Slave Interfacing of I2C using Verilog HDL Aman Kumar; M.P.R. Prasad Paper ID 0522	357-361
63	Energy-Efficient Signal Processing Architectures for IoT Networks Design Arpit Jain Paper ID 0544	362-367
64	Optimizing Safe Routes with Machine Learning: A Crime Prediction System for Urban Safety Aman Kumar; Aastha Maurya; Pawan Kumar; Aman Gupta; Jatin Saini Paper ID 0562	368-372
65	Agile Software Development Effort Estimation: A Comprehensive Survey Vikrant Malik; Renuka Arora; Deepti Mehrotra; Hitesh Singh Paper ID 0565	373-378
66	Automated Bone Age Assessment in Pediatric Radiology Using MobileNet: A High-Accuracy Deep Learning Approach for Balanced Age Group Predictions Eshika Jain; Saniya Khurana Paper ID 0573	379-384
67	Robust Deep Learning Model for Dental Radiograph Classification: Tackling Class Imbalance in Multi-Condition Diagnostics Eshika Jain; Pooja Sharma Paper ID 0577	385-390
68	Navigating Governance Challenges in AI and Web Development Kuldeeep Vayadande; Sujal Thakur; Soham Thakkar; Abhishek Sondkar; Shraddhesh Tamhane; Soniya Warade Paper ID 0578	391-395
69	Automated Detection of Diabetic Foot Ulcers Using InceptionV3: A Deep Learning Approach for Early Intervention Eshika Jain; Pooja Sharma Paper ID 0579	396-401
70	Optimized VGG19 Architecture for Precise and Efficient Multi-Class Hair Disease Classification Pratham Kaushik; Sunila Choudhary Paper ID 0580	402-407
71	Enhanced Orange Disease Detection and Classification with DenseNet121: Advancing Deep Learning for Precision Agriculture Pratham Kaushik; Pooja Sharma Paper ID 0583	408-413
72	Custom CNN for Sustainable Waste Segregation: Advanced Classification of Organic and Recyclable Materials Pratham Kaushik; Savinder Kaur Paper ID 0584	414-418

73	Exploring the Efficacy of Deep Learning and Statistical Approaches in Temperature Forecasting Tarunkumar K; Aditya Umesh; Maithri Humbarwadi; Sohan B S; M S Bhargavi Paper ID 0586	419-424
74	A Comprehensive Review Of Student Centric Slot Based Time-Table Generation System Shivani Singh; Prafull Prakash; Akshita Sharma; Laxmi Kant Sagar Paper ID 0589	425-430
75	Adoption of Smart Wearables for Health Self-Tracking and Their Influence on Health Insurance Premiums in India Gaurav Negi; Jeevan Nagarkar; Sushant Malik Paper ID 0594	431-436
76	A Deep Learning Approach to NIFTY 100 Stock Price Prediction Using LSTM and GRU Networks Balkaranjeet Kaur; Ravinder Kumar Poonia Paper ID 0597	437-442
77	Transforming Medical Research with Immersive 3D Visualization and Augmented Reality for Cancer and Beyond P. Nandhini; Kaviyaraj R; B.Seetha Lakshimi; K Ayyappan; Saravanan Obuli Paper ID 0609	443-447
78	Generative Artificial Intelligence: Transforming the Future Kaviyaraj R Paper ID 0610	448-453
79	Smart Emergency Vehicle Detection: Merging Vision and Sound A. Senthilselvi; Keshav J; Jason Abraham; R Srinitish; Yaduraj A; S. Senthil Pandi Paper ID 0614	454-459
80	Enhancement of Low-Quality Images Using Image Super-Resolution Kumar P; Senthil Pandi S; Jothiprasad D; Jeffrey Jesudasan R Paper ID 0619	460-465
81	AI in wellness tourism: A catalyst for enhancing e-WOM and shaping consumer dynamics Jitendra Singh Chauhan; Dr. Ajay Sharma; Dr. Anuj; Akhilesh Sharma; Kapil Ahalawat; Vidhi Chauhan Paper ID 0626	466-472
82	Analyzing the Role of Triangular Surface Irregularity and Initial Stress on SH-Wave Behavior in Multilayer Anisotropic Media Suraj Sharma; Ravinder Kumar Paper ID 0633	473-478
83	Medicinal Plants Detection Using Convolutional Neural Networks: ConvNet Senthil Pandi S; Kumar P; Bala Subramanian C; Reshmy A K Paper ID 0634	479-484

84	A Multi-Model Approach to Hydrological Event Analysis and Forecasting Shreya Chaudhary; Shruti Verma; Vinayak Sharma; Sparsh Jain; Pawan Kumar Paper ID 0642	485-490
85	Satellite-Derived NO_2 Data to Predict Hospital Admissions: A Machine Learning-Based Approach Bhushan Pawar; Lalit Garg; Vijay Prakash; Ryan Stevenson; Matthew Amaira; Daria Soloducha; Adam Kraus Paper ID 0647	491-496
86	Optimization Techniques in Large Language Models for News Report Generation Tushar Bhatia; Ashish Gupta; Dhruv Varshney; Tvisha Mutreja; Sumit Kumar; Surbhi Vijh Paper ID 0660	497-502
87	Preserving Privacy and Enhancing Security in Smart Electronic Health Records: An Integrated Approach of Blockchain and FHE Yogesh Kushwaha; Niranjan Lal; Manisha Manjul Paper ID 0683	503-506
88	Face Recognition and Detection Using Machine Learning Techniques Amarinder Kaur; Sudha Shanker Prasad; Rachit Garg; Sudhanshu Maurya; Ajay Kumar Yadav; Deepak Suresh Asudani Paper ID 0696	507-512
89	Image Segmentation Using Neural Networks for Tumor Detection in Medical Imaging Kartik Sharma; Parul Madan; Ankit Vishnoi; Devesh Pratap Singh; Karan Rautela Paper ID 0702	513-518
90	Systematic Analysis of Common Cyber Attacks and their Mitigation Techniques Lavanya Jain; Bharat Bhushan Paper ID 0720	519-524
91	The Blockchain Paradigm: Revolutionizing Banking Systems with E-KYC Integration Chakridhar Reddy Lokireddy; Princi; Kuldeep Pal; Murari Kumar Singh; Abhishek Singh Verma Paper ID 0725	525-530
92	A Comparative Study of Symptom-based Disease Classification using BERT, SVM and KNN Muthaiah U; Rohan R; Keerthana S Paper ID 0728	531-536
93	Optimizing Brain Tumor Detection: Simplifying U-Net with Low-Rank Factorization, Depthwise Separable Convolution, and MobileNet Architecture K VARUN KUMAR REDDY; B ESWARA REDDY Paper ID 0731	537-541

94	Analysis of Usability Aspect for an Image-Based Authentication System Raghav Uparkar; Sharvil Sadafale; Falgun Khandwani; Sudhanshu Maurya; Priti Golar; Sagarkumar S. Badhiye Paper ID 0738	542-547
95	Comparative Analysis of Machine Learning Classifiers using a Non-Stationary Dataset Raghav Uparkar; Sudhanshu Maurya; Prapti S Barde; Shriya Kalbande; Geeta Naidu; Sagarkumar S. Badhiye Paper ID 0739	548-552
96	Integrating Green Manufacturing Techniques to Promote Sustainable Supply Chain Management Practices in Manufacturing Industries Janmejai Kumar Shah; Rajat Sharma; Deepak Kaushal; Manu Sharma; Sudhanshu Joshi; Priyanka Gupta Paper ID 0761	553-558
97	A REVIEW PAPER OF CREDIT CARD FRAUD DETECTION USING FEDERATED LEARNING Tanmay Goel; Sonia Verma; Priyanshi Siwach; Sushant Gangwar Paper ID 0766	559-564
98	A Novel Optimization Model for Blockchain-based Secure Realtime Data Processing in Mobile Edge Computing Ajay Kumar; Neeru Singh; Monika; Shikhar Sharma; Prakash Joshi; Birendra Kumar Saraswat Paper ID 0780	565-570
99	Developing of NTRU Encryption via Two Multi-Dimensional Algebras Dalael Saad Abdul-Zahra; Hassan Rashid Yaseen Paper ID 0788	571-575
100	Rice Crop Growth Stage Monitoring Using Harmonized Sentinel-2 and SAR Data in Google Earth Engine Amit Kumar Singh; Oscar Rosario Belfiore; Giovanni Pugliano; Guido D'Urso Paper ID 0803	576-579
101	Applying Transfer Learning to Sentiment Analysis in Imbalanced Citation Sentiment Analysis ll Dataset using BERT Jename Tadlip; Jolina Monisit; Katherine Dequito; Takeyasu Nakazato; Regien Nakazato Paper ID 0817	580-584
102	Multiclassification of Malware using DLL Avinash Kumar; Kishan Pal Singh; Javed Wasim; Meena Chaudhary Paper ID 0825	585-588
103	Military Grade FPV Drone for Enemy Recognition: Precision Nandini Prasad K S; Mandar Jatkar; Prajjwal Kumar; Poornima Arya; Jyoti Kumari; Ankit Garg Paper ID 0842	589-594

104	Generative AI-Driven Distributed Cybersecurity Frameworks for AI-Integrated Global Big Data Systems Rahul Vadisetty; Anand Polamarasetti Paper ID 0848	595-600
105	Comparative Evaluation of Image Compression Algorithms for Leo Nanosatellite Remote Sensing Krishna Pratap Singh; Abhishek Sharma; Shubhi Sharma; Vibhav Kumar Sachan; Ruchita Gautam; Praveen Kumar; Himanshu Chaudhary Paper ID 0850	601-606
106	Evaluating Traditional and Advanced Forecasting Models for Economic Impact Prediction in Agriculture A Machine Learning Approach S Narendran Paper ID 0881	607-612
107	SEAMLESS ACCESS AI BASED HUMAN PRESENCE DETECTION FOR VISUALLY IMPAIRED A Syed Musthafa; Keerthana C; Madhumitha N; Kanishka M; Kiruthika B Paper ID 0883	613-616
108	Design and Development of a Web-based Marketplace for Aquatic Products in the Municipality of Magallanes, Agusan del Norte Federico M. Griño; Emmanuel Ruben M. Castil; Irizbern S. Paldo; Teodorico Luis M. Mayorga Paper ID 0885	617-622
109	AN INTELLIGENT SYSTEM FOR AMPUTEES USING IOT AND MACHINE LEARNING MANIVANNAN D; DEVENDRANATH K; K VAMSI KRISHNA; SATHIYA PRIYA S; N SAMEER KUMAR; Manikandan N K Paper ID 0886	623-626
110	Cost Analysis of a Blockchain-Based Student Certificate Management System Utilizing IPFS for Document Storage and Verification Murari Kumar Singh; Yogesh Kumar Sharma; Vipin Kumar Kushwaha; Shiva Gupta; Akansha Sharma; Ashish Chakraverti Paper ID 0892	627-632
111	Design of Color sorting Conveyor belt using Arduino UNO Dhairya Vashishtha; Dheeraj Kumar Sharma; Arpit Vashishtha; Ajay Suri Paper ID 0896	633-637
112	A deep learning based improved detection for phishing attacks in Social Engines Naveen Kumar Garg; Narendra Annabathula; Birendra Kumar Saraswat; R. K. Yadav; Pavan Kumar Shukla Paper ID 0898	638-643
113	Detecting and Predicting Agitation Episodes in Dementia Patients Using IoT and Artificial Neural Networks S.Pragadeeswaran; N.Mohankumar; R Puviarasi; N.Nandhini; Audithan Sivaraman; M. Rajmohan Paper ID 0917	644-649

114	Building Trust and Transparency in AI: A Review of Explainable AI and its Ethical Implications Shailee Bhatia; Vatsal Mittal; Saransh Sabharwal Paper ID 0954	650-655
115	Comparative analysis of dielectric substrate materials on the performance of CPW-Fed patch antenna with a variable feed line width for extremely high frequency (EHF) wireless applications such as 5G/6G. Anupam Kumar Yadav; Sandeep Kumar singh; Pavan kumar shukla; Achyuta Nand Mishra; Atma Prakash Singh; Sharmila Paper ID 0955	656-661
116	Assessing Quantum Supremacy: Evaluating Its Potential to Revolutionize Cryptographic Practices and Strengthen Cybersecurity Frameworks against Quantum Attacks Gurpreet Singh Walia; R. Saranya; Uma Maheswari S; Vijay Vasanth Aroulanandam; Hemalatha R; J Jerin Jose Paper ID 0960	662-667
117	A Comprehensively Investigation of AI-Powered Intrusion Detection Systems: Improving Precision and Decreased False Positives in Contemporary Cybersecurity Systems Rajesh Jagadeesan Ravikumar; Charulatha Umashankar Paper ID 0964	668-673
118	Employing IoT in Biomedical Devices: Improving Remote Health Monitoring, Diagnosis, and Treatment with Sophisticated Sensor Networks and Data Connectivity Kalaipriya Omprakash; Sofia Bobby J; A. Bajulunisha; S. Kavitha; Velu Aiyyasamy; Uma Maheswari S Paper ID 0965	674-679
119	The Development of Blockchain Technology with the Internet of Things: Transforming the Way We Manage Assets, Communicate Securely Online, and the Supply Chain P. G. Kuppusamy; Monisha M; K. A. Arokiaraj; D. Parameswari; Badi Alekhya; Vijaya Vardan Reddy S P Paper ID 0968	680-685
120	Enhancing Healthcare Outcomes by Real-Time Data Collecting and Predictive Analytics; Implementing IoHT to Remote Patient Monitoring D KARUNKUZHALI; M. Ayeesha Nasreen; Shobana D; Vijay Vasanth Aroulanandam; M Tamilselvi; Anni Princy B Paper ID 0972	686-691
121	Analyzing Big Data with Efficient Storage and Retrieval via the Investigation of Scalable Cloud-Based Architectures V. Saravanan; Radhika M; P. Chinniah; V. Samuthira Pandi; Vijay Vasanth Aroulanandam; V. Ramkumar Paper ID 0973	N/A

122	A Review on Recoverable Information Embedding Approaches Padigela Suraj; Ravi Uyyala; K. Sai SivaKesava Reddy Paper ID 0996	698-703
123	Sentiment Analysis on Amazon Food Reviews Harish R; Prajasree G; Sabareeswaravaasan RS; Abinaya Vina; Saveetha D Paper ID 1059	704-708
124	AI Ethics In Neurology: A Systematic Review On Ethical Concerns in Healthcare Rufina Hussain; Dr. Safdar Tanweer; Dr. Sherin Zafar Paper ID 1124	709-714