

2024 IEEE International Conference for Women in Innovation, Technology & Entrepreneurship (ICWITE 2024)

**Bangalore, India
16-17 February 2024**



**IEEE Catalog Number: CFP24CY3-POD
ISBN: 979-8-3503-8329-4**

**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:	CFP24CY3-POD
ISBN (Print-On-Demand):	979-8-3503-8329-4
ISBN (Online):	979-8-3503-8328-7

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
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

CONTENTS

Sl.No.	PID	Title	Pg No
1	15	Enhancing Medical Imaging Resolution: Exploring SRGAN for High-Quality Medical Image Reconstruction	1-8
2	22	Sahayaka: A fake currency detector application for visually impaired individuals	9-14
3	23	Enhancing Edge Node Resilience through SDN-Driven Proactive Failure Management	15-20
4	29	Evaluation of active inductor tuning circuit	21-25
5	40	Low-Latitude Indian Ionospheric TEC Variations during Geomagnetic Quiet and Disturbed Days	26-39
6	42	Optimized Machine Learning Model for Autonomous Robot Navigation Prediction	30-36
7	49	IoT-Based Framework For Smart Agriculture	37-44
8	51	GWebPositionRank: Unsupervised Graph and Web-based Keyphrase Extraction form BERT Embeddings	45-52
9	163	Preventing Shoulder Surfing Attacks_ Matrix Based Graphical Technique	53-58
10	62	An Algorithmic Approach to 4-way Autonomous Intersection Management	59-64
11	64	Slotted Ground Resonator Based Cauer LPF	65-70
12	86	Exploring the Stars: How Augmented Reality Transforms the Teaching of Astronomic Concepts in School	71-77
13	87	Preparing for Space: How Virtual Reality is Revolutionizing Astronaut Training	78-84
14	89	SecureHealth IoT: Ensuring Lightweight Security in MQTT Communication for Resource Constrained Devices Using Xor-HMAC Encryption	85-90
15	97	Pest Density Classification using MobileNet Architecture	91-96
16	99	Global Citations and International Reach: A Comparative Study of Top 5 THE Ranked Universities (2020-2023)	97-102
17	102	A contactless power transfer in electric vehicles for battery charging	103-108
18	110	Unlocking Borderless Identity: B-Passport and the Blockchain Revolution	109-116
19	169	An Intelligent Portfolio Management Scheme Based On Hybrid Deep Reinforcement Learning and Cumulative Prospective Approach	117-123
20	159	Traffic Volume Prediction Based on Weather Parameters	124-129
21	205	A Comprehensive Review of Electrical Motors for Electric Mobility	130-135
22	207	Comparative Analysis of Different Topologies of Solid-State DC Circuit Breaker	136-142
23	213	Towards Efficient Encrypted Medical Image Retrieval from Heterogeneous Multi Cloud Environment	143-147
24	233	Text to voice conversion of text embedded in images	148-154
25	245	Enhancing Cartoonification using GAN Learning	155-161
26	265	Cognitive Object Detection: A Deep Learning Approach with Auditory Feedback	162-167

27	290	An Intelligent Study Towards Nature-Inspired Load Balancing Framework for Fog-Cloud Environments	168-173
28	11	Designing a Network for a Highly Available OpenShift on an HCI Appliance	174-179
29	313	Purification of Water with Sustainable Bio-Materials	180-185
30	321	Congestion Hotspots Identification and Mitigation Suggestions Through Design File	186-190
31	326	MEDRONE	191-196
32	328	Customer Behaviour Analysis: Tools Overview	197-201
33	139	Modeling Mental Health: Advances in Predictive Science towards Proactive Health Care	202-206
34	352	Augmented Reality Learn Suite for Autistic Children	207-211
35	366	Fingerprint Restoration and Identification using Pix2Pix cGAN and Triplet Loss	212-217
36	387	Performance Analysis of Model Optimization Techniques using Pre-Trained CNN Models	218-222
37	434	An Integrated Mobile Applications for Enhancing Women's Safety – A Comprehensive Approach	223-228
38	443	Revolutionizing Influenza A Detection in Humans: Unleashing the Power of XGBoost Classification	229-234
39	464	Predictive Modeling of Solar Energy Production: A Comparative Analysis of Machine Learning and Time Series Approaches	235-241
40	465	RSS-Based Localization using Deep Learning Models with Optimizer in LoRaWAN-IoT Networks	242-246
41	469	Artificial Neural Network based Short-Term Residential Load Forecasting	247-252
42	500	Smart Garbage Detection System for Sustainable Waste Management using Deep Learning Techniques	253-257
43	420	Audio, Video, Image, Text Data Transmission in Undersea using Light Fidelity	258-264
44	875	Radar Based Heart Beat Detection	265-270
45	871	An Analytical Comparison of Deep Learning Frameworks for 2D Image-Based Hatha-Yoga Pose Identification	271-276
46	868	Sentiment Analysis using VADER: Unveiling Customer Sentiment and Predicting Buying Behavior in the Airline Industry	277-282
47	865	A Comprehensive Framework for Wearable Module for Prenatal Health Monitoring and Risk Detection	283-288
48	853	Foraging Optimization for Healthcare Application Based Big Data	289-292
49	852	A 6-bit Asymmetric Floral Shaped Chipless RFID for WiMAX Applications	293-296
50	848	Efficient Backup Management in Hybrid Cloud Deployment Based on Workload Data Classification	297-300
51	831	Resume Ranking and Shortlisting with DistilBERT and XLM	301-304
52	829	LBP-GLZM Based Hybrid Model for Classification of Breast Cancer	305-310

53	553	Market Analysis Of Various Types Of Rapid Testing Glucose Level Equipments	311-316
54	566	IoT Based Health Monitoring and Load Sharing of a Transformer	317-322
55	766	AI-Powered Code Review Assistant for Streamlining Pull Request Merging	323-327
56	617	Assessing the Reliability of Seismic Indicators for Earthquake Forecasting: A Correlation Analysis	328-333
57	622	Innovative Solutions: LBPH Technology Driving the Future of Intelligent Security Systems	334-339
58	625	Transformer based Lightweight Model for Punctuation Restoration and Truercasing	340-344
59	632	RFID-Powered Intelligent Shopping Cart: Streamlined Checkout and Automated Billing	345-348
60	650	A Novel Framework for Intelligent Disease Detection using Advanced Machine Learning-Based Image Processing Technology	349-353
61	652	Design of Blockchain and Smart Contract enabled Ride Sharing Platform	354-359
62	653	Networked MEMS pressure sensor design to detect pore water pressure for landslide monitoring	360-367
63	655	Detection of Cardiovascular Disease with Minimal Leads Using efficient Machine Learning Techniques	368-374
64	658	Perceptual Quality-based Adaptive Rate Distortion Optimization for 3D Video	375-378
65	661	Pick and Place PCB Assembling using Rectilinear Arm	379-383
66	662	A study on Multimodal approach for early detection of Dementia using Deep Learning	384-388
67	183	Blockchain-Powered KYC in a CBDC World: The E-Rupee Experience	389-396
68	43	Aid for Visually Challenged People	397-400
69	80	Enhancing Cardiovascular Risk Assessment	401-406
70	84	Contributions of Women to Cloud Computing: Fostering a diverse and inclusive community	407-410
71	92	Design and implementation of Adaptive PI control based dynamic voltage restorer for solar based grid integration	411-414
72	141	Sewage Water Monitoring and Filtering using Raspberry Pi	415-421
73	182	Effect of dVout on different Gain for proposed Current Feedback Operational Amplifier	422-428
74	784	Enhanced Pothole Detection in Road Condition Assessment Using YOLOv8	429-433
75	770	Remote Sensing and Machine Learning Fusion: A Robust Framework for Land Use and Land Cover Change Detection	434-439
76	760	Multi-Modal Accessibility Enhancement for Diverse User Groups	440-445
77	758	Design and Comparison of Noise, Power of Resistive, RC and Capacitive feedback TIAs for RF Receiver Application	446-449
78	187	Timelog: Genetic AI Enabled Timetable Generation	450-456
79	756	Image Based Clothing Style Recommendation System	457-460

80	753	A Quantum Machine Learning framework for Driver Drowsiness Detection using Biopotential Signals and Head Movement Analysis	461-466
81	745	Mitigation of Electric Vehicle Load Impact on IEEE 9-Bus Power System using DSTATCOM	467-470
82	79	Secure Communication using Mutual Authentication in Light IoT	471-476
83	240	Real-Time Sign Language Gesture and Facial Expressions Detection Method to Assist the Speech and Hearing-impaired	477-483
84	744	Ambient-Assisted Senior Living with Disabilities in an Intelligent House using CNN Behavior Prediction	484-488
85	743	Optical Imaging of Compact Photographic Zoom Lens Systems	489-493
86	737	A Multi-Model Ensemble Approach for Proactive Student Mental Health Assessment	494-500
87	733	Islanding Detection Using Image Categorisation with HOG Features by Support Vector Machine	501-506
88	732	Decision Tree Based Method for Detecting Islanding using Pattern Recognition with HOG Features	507-512
89	720	Implementation of Movie Recommendation System Using Hybrid Filtering Methods and Sentiment Analysis of Movie Reviews	513-518
90	716	Skin Cancer Prediction using Modified Efficient Net-B3 with Deep Transfer Learning	519-523
91	715	Comprehensive CNN Model for Brain Tumour Identification and Classification using MRI Images	524-528
92	714	Intelligent Parking Monitoring And Autonomous Billing System	529-533
93	710	Traffic Sign Recognition for Automatic Vehicles	534-538
94	325	A Lightweight Wearable Fall Detection System using Gait Analysis for Elderly	539-545
95	348	Enhancing Brain Tumor Detection: A Comparative Study of Machine Learning Models	546-553
96	389	A Novel Approach for Driver Drowsiness Detection using Deep Neural Networks	554-559
97	432	Maximizing Per Day Energy Extraction of PV Powered Electric Bi-wheelers	560-564
98	439	SoC Estimation for an Electric Two-Wheeler Using Machine Learning Techniques	565-569
99	446	A Novel Approach for Electricity Load Forecasting using Hybrid Deep Learning Models	570-575
100	495	Development of Deep Neural Framework for Human Activity Recognition	576-581
101	497	Optimizing Energy Usage and Data Storage in Industrial IoT Settings Through Heuristic-Based Data-Rate Processors	582-587
102	514	SIFVT: A Semantically Inclined Framework for Financial Video Tagging	588-593
103	515	ATRSI: Automatic Tag Recommendation for Videos Encompassing Semantic Intelligence	594-599
104	516	SITSL: Strategic Image Tag Recommendation Framework Encompassing Semantics Oriented Learning and Reasoning	600-604
105	581	Artificial Intelligence-based Chatbot for Virtual Health Consultation	605-610
106	605	Semantic Type Detection on Unlabelled Dataset	611-617

107	638	Question and Assessment Generator: Deep Learning Approach for Customizable and Intelligent Assessment Creation	618-624
108	660	Early Cotton Plant Disease Detection using Drone Monitoring and Deep Learning	625-630
109	664	Optimizing Electric Vehicle Energy Consumption with Fuzzy based Energy Management System	631-636
110	665	Fuzzy Based Energy Management Strategy for Battery and Fuel Cell Hybrid Vehicles	637-641
111	668	Enhancing Solid Waste Management in Kochi Smart City using GIS and IoT	642-647
112	671	GWO-CNN: Trust and Intelligent Recommendation system based model to improve marketing strategies on e-commerce	648-652
113	673	Attribute-Based Encryption Scheme for Secure and Efficient Access in Blockchain	653-658
114	686	A Remote Surveillance System Based on Artificial Intelligence for Animal Tracking Near Railway Track	659-664
115	688	Exploring Strategies for Identifying and Resolving Challenges in Deep Learning-Based Biventricular Segmentation	665-669
116	690	Autonomous Navigation using Lidar Sensor in ROS and GAZEBO	670-674
117	800	S- Band GPR using Vivaldi for Object Detection	675-679
118	818	CAAM- CNN With Autoencoder Attention Mechanism for Recommendation System to Improve Trust in E-commerce Industry	680-685
119	821	Enhancing Passenger Convenience: An Efficient Speech Driven Enquiry System for Railway Stations	686-690
120	823	Transient Stability Analysis of IEEE Test System	691-695
121	838	Performance Characterization Model For A Cloud Control Plane	696-701
122	840	Design and Simulation of Parallel Coupled Bandpass Filter for Wireless Communication Applications	702-705
123	878	Resume Building and Course Recommendation System	706-709
124	683	Breast Cancer Data Classification Using Cluster Based Ensemble Machine Learning	710-716
125	657	E-wasteHub: Revolutionizing E-Waste Management	717-721
126	552	Automated Skin Cancer Detection System Using Deep Transfer Learning	722-726
127	253	Block Chain Based Voting System	727-734
128	520	Upgrade Better Accuracy by Analyzing the Behavior of Classifying Algorithm to Detect Intrusion in Network Traffic	735-742