2024 International Conference on Electronics, Computing, **Communication and Control Technology (ICECCC 2024)**

Bengaluru, India 2-3 May 2024



IEEE Catalog Number: CFP24UU8-POD ISBN:

979-8-3503-7181-9

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:
 CFP24UU8-POD

 ISBN (Print-On-Demand):
 979-8-3503-7181-9

 ISBN (Online):
 979-8-3503-7180-2

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



PG # Paper_ID	
5	
10	
18 04-ECCC-PID-13 Conversion of STANAG RGsB Analog Video to 24- Bit RGB Video format by using Analog Video Decoc 25 05-ECCC-PID-24 An Energy Efficient IoT based Smart Street Lighting using Low Cost SOC 31 06-ECCC-PID-25 Soft Computing Based Hybrid MPPT for Grid Connected Photovoltaic System 42 08-ECCC-PID-27 Human Machine Interface IoT Based System 42 08-ECCC-PID-28 Classification of Lung Sound Signals using Machine Learning An Extensive study on Energy Efficient clustering and Routing Protocols in Wireless Sensor Networks(WSN) Quantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Sp. 11-ECCC-PID-43 Exploration Interim Analysis using Machine Learning 4 A Novel Meta-Learning Ensemble Framework for Cancer Classification using Convolution Neural Network 6 13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images 7 14-ECCC-PID-86 Image Classification of Hyperspectral Images using Machine Learning 8 15-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Real-Time Vehicle Tracking System 8 16-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algoriand 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection Design and Verification of AMBA AXI Protocol 116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
25 05-ECCC-PID-24 An Energy Efficient IoT based Smart Street Lighting using Low Cost SOC 31 06-ECCC-PID-25 Soft Computing Based Hybrid MPPT for Grid Connected Photovoltaic System 37 07-ECCC-PID-27 Human Machine Interface IoT Based System 42 08-ECCC-PID-28 Classification of Lung Sound Signals using Machine Learning 46 09-ECCC-PID-31 Networks(WSN) 46 09-ECCC-PID-31 Networks(WSN) 47 Ouantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Space Debris for Su	
25 05-ECCC-PID-24 An Energy Efficient IoT based Smart Street Lighting using Low Cost SOC 31 06-ECCC-PID-25 Soft Computing Based Hybrid MPPT for Grid Connected Photovoltaic System 37 07-ECCC-PID-27 Human Machine Interface IoT Based System 42 08-ECCC-PID-28 Classification of Lung Sound Signals using Machine Learning 46 09-ECCC-PID-31 Networks(WSN) 46 09-ECCC-PID-31 Networks(WSN) 47 Ouantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Space Debris for Su	1 EDC 4
31 06-ECCC-PID-25 Soft Computing Based Hybrid MPPT for Grid Connected Photovoltaic System 37 07-ECCC-PID-27 Human Machine Interface IoT Based System 42 08-ECCC-PID-28 Classification of Lung Sound Signals using Machine Learning An Extensive study on Energy Efficient clustering and Routing Protocols in Wireless Sensor Networks(WSN) Quantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Sp. 54 10-ECCC-PID-43 Exploration 59 11-ECCC-PID-61 Interim Analysis using Machine Learning 63 12-ECCC-PID-80 A Novel Meta-Learning Ensemble Framework for Cancer Classification using Convolution Neural Network 69 13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images 75 14-ECCC-PID-86 Image Classification of Hyperspectral Images using Machine Learning 81 15-ECCC-PID-95 Real-Time Vehicle Tracking System 86 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-178 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with Al:Severity classification of Sequoia Canker using Siamese CNN	er and FPGA
37 07-ECCC-PID-27 Human Machine Interface IoT Based System	
42 08-ECCC-PID-28 Classification of Lung Sound Signals using Machine Learning An Extensive study on Energy Efficient clustering and Routing Protocols in Wireless Sensor Networks(WSN) Quantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Space Exploration 10-ECCC-PID-43 Exploration 11-ECCC-PID-61 Interim Analysis using Machine Learning 63 12-ECCC-PID-80 A Novel Meta-Learning Ensemble Framework for Cancer Classification using Convolution Neural Network 69 13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images 75 14-ECCC-PID-86 Image Classification of Hyperspectral Images using Machine Learning 81 15-ECCC-PID-95 Real-Time Vehicle Tracking System 86 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorical Processing System United Systems and Pan-Cancer Detection 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 111 21-ECCC-PID-181 Empowering Forestry Conservation with Al:Severity classification of Sequoia Canker using Siamese CNN	
An Extensive study on Energy Efficient clustering and Routing Protocols in Wireless Sensor Networks(WSN) Quantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Space Space Debris for Sustainable Space	
Quantitative Analysis and Collision Risk Assessment of Near-Earth Orbit Space Debris for Sustainable Space Space Debris for Cancer Debris Neural Debris Space Space Debris for Cancer Debris Space Debris for Cancer Debris for Sustainable Space Space Debris for Cancer Debris Space Debris for Cancer Debri	
54 10-ECCC-PID-43 Exploration 59 11-ECCC-PID-61 Interim Analysis using Machine Learning 63 12-ECCC-PID-80 A Novel Meta-Learning Ensemble Framework for Cancer Classification using Convolution Neural Network 69 13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images 75 14-ECCC-PID-86 Image Classification of Hyperspectral Images using Machine Learning 81 15-ECCC-PID-95 Real-Time Vehicle Tracking System 86 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorical Poetics of the performance of the customized ANN Model for Accurate Breast Cancer Detection 104 19-ECCC-PID-177 Design and Verification of AMBA AXI Protocol 116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
11-ECCC-PID-61 Interim Analysis using Machine Learning 63 12-ECCC-PID-80 A Novel Meta-Learning Ensemble Framework for Cancer Classification using Convolution Neural Network 69 13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images 75 14-ECCC-PID-86 Image Classification of Hyperspectral Images using Machine Learning 81 15-ECCC-PID-95 Real-Time Vehicle Tracking System 86 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorical 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 111 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	ce
12-ECCC-PID-80 A Novel Meta-Learning Ensemble Framework for Cancer Classification using Convolution Neural Network 13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images 14-ECCC-PID-86 Image Classification of Hyperspectral Images using Machine Learning 15-ECCC-PID-95 Real-Time Vehicle Tracking System 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorical Poet Control 10 20-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 1116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
13-ECCC-PID-81 Brain Tumor Classification using UNet Deep Neural Networks from 3D MRI Images	
75	ζS
81 15-ECCC-PID-95 Real-Time Vehicle Tracking System 86 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorical 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
86 16-ECCC-PID-132 Photovoltaic Hotspot Detection and Monitoring System 92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorithm 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
92 17-ECCC-PID-135 Revolutionizing Breast Cancer Subtyping: A Multi-Omic and Pan-Cancer Deep Learning Approach 98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algoric 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
98 18-ECCC-PID-144 Efficient Reactive Power Control for Enhance Distribution Systems using Predictive Power Control Algorian 104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
104 19-ECCC-PID-157 Analysis of the performance of the customized ANN Model for Accurate Breast Cancer Detection 110 20-ECCC-PID-174 Design and Verification of AMBA AXI Protocol 116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
11020-ECCC-PID-174Design and Verification of AMBA AXI Protocol11621-ECCC-PID-175Renewable Energy based EV Charging Station Employed with Machine Learning Approach12222-ECCC-PID-181Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	.hm
116 21-ECCC-PID-175 Renewable Energy based EV Charging Station Employed with Machine Learning Approach 122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
122 22-ECCC-PID-181 Empowering Forestry Conservation with AI:Severity classification of Sequoia Canker using Siamese CNN	
127 23-ECCC-PID-184 Comparative Analysis of CNN and SVM Models for Facial Emotion Recognition	S
131 24-ECCC-PID-191 Revolutionizing Cardiovascular Care: The Role of AI, ML, and DL in Early Heart Disease Prediction and	reatment
137 25-ECCC-PID-196 Heart Attack Prediction System	reatment
143 26-ECCC-PID-201 Face Mask Detection and Alert System	
149 27-ECCC-PID-202 Temperature Prediction: A Comparative Comprehensive Study Between Machine Learning Algorithms	
155 28-ECCC-PID-203 A Comparative Analysis of Machine Learning Algorithms for Credit Card Fraud Detection	
159 29-ECCC-PID-204 Analysis of Data Extraction Techniques on Medical Health Records	
165 30-ECCC-PID-205 Breast Cancer Prediction Using Deep Learning And Transfer Learning	
170 31-ECCC-PID-206 Human Object Interactivity Detection using Graph Neural Networks	
175 32-ECCC-PID-208 SentiSense: Pioneering Mental health application through Advanced Technology 180 33-ECCC-PID-220 Beyond Boundaries: Progressive Health Monitoring For Paralysis	
186 34-ECCC-PID-223 A Unified Deep Learning Approach for Lung Segmentation in X-Ray Images	
190 35-ECCC-PID-227 Home Energy Management System	
Verilog-A Based 8-Bit Pipeline ADC Tailored for Low Power Performance and High-Speed Operation in State of the Power Performance and High-Speed Operation in S	0 nm
195 36-ECCC-PID-234 Technology	
200 37-ECCC-PID-251 Extreme Learning Machine(ELM)Algorithm for the detection of Diabetic Retinopathy	
206 38-ECCC-PID-255 Emotion Recognition from Physiological Signals Using Ensembled Machine Learning Strategy	
213 39-ECCC-PID-268 Constructing the City of the Future: A Smart City Vision With the help of 5G networks and the IoT	
219 40-ECCC-PID-272 Road Traffic Accident Prediction in India Using Machine Learning Algorithm Techniques	
224 41-ECCC-PID-283 Quantification of the effects of circuit parameters on the design of Full-Bridge Phase-Shift controlled Conv	erter
221 71-200-110-203 Quantification of the effects of cheur parameters of the design of Full-Bridge Fliase-Shift Collifolied Colly	J1 101
231 42-ECCC-PID-299 Solar Array Bus Voltage Regulator for Small Satellite Using FS3R (Fixed Switching String Shunt Regulator	r) Technique
237 43-ECCC-PID-305 Novel Counter Design Utilizing QCA Based D Flip-Flops	, 1
242 44-ECCC-PID-311 Truth or Deception: "Advancements in Fake News Detection Technology".	
248 45-ECCC-PID-313 Predictive Factors Influencing Discharge Destination Following Spinal Cord Injury	
252 46-ECCC-PID-331 Differential Encoding Scheme for Low Variation Data suitable for WSNs	
257 47-ECCC-PID-335 From Field to Data: A Machine Learning Approach to Classifying Celery Varieties	
261 48-ECCC-PID-337 Broccoli Classification: A Fusion of CNN and AdaBoost	
265 49-ECCC-PID-339 Safeguarding Biodiversity: Remote Forest Poaching Camp Detection with CNN and Spatial Transformer N	etworks
271 Sueguarding Blodryeisity: Kernote Forest Poaching Camp Detection with CNN and Spatial Transformer Poachi	CLWOIKS
277 51-ECCC-PID-356 Integrated Rasnet Model for Efficient Automated Assessment and Sorting of Leaf Diseases in Agriculture	
283 52-ECCC-PID-367 Real-Time Parking System With Navigation	
290 53-ECCC-PID-376 Vision Powered Cursor Maneuvering	
296 54-ECCC-PID-381 Sign language prediction using Eight layered CNN for Deaf and Dumb	
300 55-ECCC-PID-387 A Study on Isogeny based Cryptography	

206	56 ECCC DID 200	A Commonstive Study of NEC and Diversath for Eile Transfer Applications
306	56-ECCC-PID-388 57-ECCC-PID-397	A Comparative Study of NFC and Bluetooth for File Transfer Applications Short-lived Social Vehicular Network
322	58-ECCC-PID-398	Analysis of an Intelligent and Cybersecurity Optimization Model for Financial Applications
328	59-ECCC-PID-400	Performance Analysis of Si0.8Ge0.2 Double-Gate MOSFETs
336	60-ECCC-PID-402	Emerging Technologies in Online Learning with New Trends and Analysis
340	61-ECCC-PID-406	Human Computer Interaction for Disabled People Using Artificial Intelligence
344	62-ECCC-PID-409	Predictive Analytics for Agricultural Futures: Modelling and Forecasting Net Exports of Commodities
350	63-ECCC-PID-413	Benign vs. Malignant Brain Tumors: An In-Depth Review using Deep Learning Techniques
356	64-ECCC-PID-425	Smart Helmet With Pollution Reduction System, Accident Detection and Alerting System
362	65-ECCC-PID-434	Design of Grid Connected EV Charging Station Incorporated with Machine Learning Approach
368	66-ECCC-PID-439	Battery Charging Current Impact on Operational Expenditure for Hybrid Telecom Systems
		A survey on Machine Learning Methods used for Classification of Cardiovascular disease using ECG and Image
374	67-ECCC-PID-440	Processing Techniques
380	68-ECCC-PID-441	Automated Glaucoma Detection and Classification via Deep Neural Networks and Feature Extraction
385	69-ECCC-PID-444	VisionBlend: Empowering Object Recognition for the Visually Impaired
391	70-ECCC-PID-445	Proposing Forensic Watermarking Techniques for Detecting Movie Piracy through Camcorders
396	71-ECCC-PID-449	Advanced Reinforcement Learning Based Penetration Testing.
		Design and Implementation of Earth station Transceiver employing subcarrier composite PCM/PSK/PM Modulation &
402	72-ECCC-PID-452	Demodulation using MATLAB
408	73-ECCC-PID-455	Enhancing Website through Chatbot Integration
412	74-ECCC-PID-458	Cryptographically Secured Data Transmission Over a Network with NetCAT
418	75-ECCC-PID-466	Design of Star-shaped Antenna for Next Generation Communication Network
423	76-ECCC-PID-471	A Review of Multi-Band Flexible MIMO Antenna Design on Thin Substrate for High Diversity Performance
		Optimizing Leukemia Classification through Nature-Inspired Feature Reduction and Stacked Ensemble Learning
429	77-ECCC-PID-475	Algorithms
434	78-ECCC-PID-476	Advancements in Generative AI: Exploring Fundamentals and Evolution
439	79-ECCC-PID-482	Content Poisoning Attacks in Named Data Networks: Detection and Mitigation Approaches
445	80-ECCC-PID-494	A Review on Advances in Computer Aided Weld Defects Detection
450	81-ECCC-PID-495	Beamforming Networks for 5G. A literature Review of Butler Matrix.
460	82-ECCC-PID-499	Enhancing Financial Security: A Multimodal Approach to User Authentication
466	83-ECCC-PID-510	Clinical Decision Support System for Anemia Identification and Severity Stratification
472 479	84-ECCC-PID-511	SMSavvy - A System to Enhance the Capabilities of Feature Phones using Automation CNN-Enhanced Speech Emotion Recognition with Recommendations
486	85-ECCC-PID-513 86-ECCC-PID-540	
494	87-ECCC-PID-557	Diabetic Foot Ulcer Detection Using Deep Learning Approaches Dual Mode SIMO Biquad Filter using VDTA
500	88-ECCC-PID-576	AI-Driven Prediction and Hierarchical Classification of Heart Disease Severity
506	89-ECCC-PID-581	Improving WDM in SMF-PON with polarization multiplexing and optical comb
514	90-ECCC-PID-582	Stellar Data Analysis and Deep Space Data Analysis System
524	91-ECCC-PID-583	Optimized 5G Resource Allocation for Metaverse Applications
530	92-ECCC-PID-585	Automated Diabetic Retinopathy Identification Through Deep Learning Methods
536	93-ECCC-PID-586	A Framework to Query in Natural Language on Big Data Platform
544	94-ECCC-PID-591	ProctorXam - Online Exam Proctoring Tool
550	95-ECCC-PID-593	Enhancing In-Vehicle Networks with CAN-FD: A study of Protocol Improvements over Classical CAN
		Design and FPGA implementation of Satellite Telemetry Transmitter employing PCM/PSK/PM sub-carrier modulation
556	96-ECCC-PID-598	using DDS
562	97-ECCC-PID-600	An Enhanced Ensemble Framework for Disaster Tweet Categorization
568	98-ECCC-PID-602	A Secure and Privacy Oriented Implementation of Electronic Health Records.
574	99-ECCC-PID-606	ECG - Driven Heart Disorder Profiler using Machine Learning Techniques
		Prediction of Cardiovascular Disease Risk in the
580	100-ECCC-PID-1318	General Population: a GSA-ELM Approach
		An Efficient Method for Strategic Human Resource Management Based on BERT-BiLSTM
586	101-ECCC-PID-1319	and Siamese Approach
		Perceived Stress Prediction among Working
592	102-ECCC-PID-1320	Employees Based on CAT-DCNN Technique
372	102-ECCC-FID-1520	Towards Mental stress Detection in University Students Based on RBF and Extreme Learning
598	103-ECCC-PID-1321	Based Approach
370	103 LCCC-11D-1321	Prediction and Optimization of Life Insurance Prediction Based on FEA and ANN Hybrid
604	104-ECCC-PID-1322	Approach
611	105-ECCC-PID-1323	A Novel Approach to Predict Flight Fares in India Using SOM-LSSVM Model Approach
V11	100 ECCC 11D 1323	Predicting Student Dropout Rates in Massive Open Online Courses using an Attention-Based
617	106-ECCC-PID-1326	GCNN Model
<u> </u>		An Automatic ATM Card Fraud Detection Using Advanced Security Model Based on AOA-CNN-
623	107-ECCC-PID-1327	XGBoost Approach
		A Novel Approach of ecommerce for Sales Prediction Using Hybrid ABC and AdaBoost
630	108-ECCC-PID-1329	Approach
	-	

	T	
636	109-ECCC-PID-1330	Earthquake Early Warning System Utilizing an CNN-LSTM-TL Based Method for Detection and Parameters Classification
030	109-ECCC-11D-1330	A Novel Approach to Predicting the Risk of Illegal Activity and Evaluating Law Enforcement
642	110-ECCC-PID-1331	Using WideDeep SGRU Model
-		Image Processing Based Early Breast Cancer Detection in Mammography Images Using GRU
648	111-ECCC-PID-1332	and XGBoost Approach
		Optimizing Positive Workplace Emotions: Prophet-ARIMA-LSTM Solutions for Teachers'
654	112-ECCC-PID-1333	Job Satisfaction
		Enhanced Security in Payment Gateways through Face Detection: An Advanced Approach
660	113-ECCC-PID-1334	using DenseNet 121- BiLSTM Models
		Towards a Framework for Supply Chain Financing for Order-Level Risk Prediction: An Innovative
666	114-ECCC-PID-1335	Stacked A-GRU Based Technique
		A Novel Approach for Effective Detection and Prediction of Sophisticated Cyber Attacks using the Stacked Attention
672	115-ECCC-PID-1336	GRU and BiLSTM
678	116-ECCC-PID-1337	Early Detection and Accurate Prediction of Heart Disease: The Role of Stacked GRU-TCN Model
684	117-ECCC-PID-1341	Mobile Application Development for Plant Disease Detection Using Deep Learning
		Performance Characterization of a Circular Microstrip Patch Antenna Array with Dual Radiating Slots for Wearable
692	118-ECCC-PID-1342	Applications On the Control of the C
600	110 EGGG PID 1242	Strengthening Cloud Security Through Multi-Factor Authentication: A Comprehensive Integration of Diverse
698	119-ECCC-PID-1343	Approaches.
706	120 ECCC DID 1246	Collaborative Recommender Systems for Building Automation: A Hybrid ANN-FOA Approach
706	120-ECCC-PID-1346	Towards Efficient Energy Management of Smart Buildings: A LSTM-AE Based Model
712 718	121-ECCC-PID-1348 123-ECCC-PID-1350	Efficient DNA Sequence Identification: A Classification Approach Integrating Gaussian RBM
/10	123-LCCC-1 ID-1330	Object Recognition and Tracking System to Assist Visually Impaired: A Neural Network-
724	124-ECCC-PID-1353	Based Deep RBM Technique
730	125-ECCC-PID-1361	GPS-Guided, Solar-Powered AGVs For Streamlined Industrial Logistics
750	120 2000 110 1001	Performance Evaluation of AE-RBM Based Pedestrian Detectors in Autonomous Vehicles:
737	126-ECCC-PID-1363	Substantial Issues and Challenges
743	127-ECCC-PID-1364	A Novel Approach to Diabetic Foot Ulcer Prediction: Pedographic Classification Using ELM-PSO
749	128-ECCC-PID-1365	Modeling and Prediction of Human Behavior Based on KD-CNN Model
755	129-ECCC-PID-1366	Enhancing Student Placement Predictions with a Trans-CLSTM Based Recommendation System
		An Improved Method for Fault Detection Electric Power System Protection Using SVM-
761	130-ECCC-PID-1368	CNN Model
		An Innovative Method for shortterm electrical load forecasting Based on Adaptive CNN -
767	131-ECCC-PID-1370	MRMR Model
		An Efficient Method for Water Quality Prediction for ungauged river catchment under
773	132-ECCC-PID-1371	dual scenarios Based on CNN-BiRNN-A Approach
779	133-ECCC-PID-1372	Demand Planning and Forecasting in the High Technology Industry based on Hybrid CEEMDAN - GA - BPNN Model
5 0.5	124 EGGG PID 1254	Development and Prototype testing of Vehicle Speed Control with Real-Time Operating System
785	134-ECCC-PID-1374	Integration
700	125 ECCC DID 1277	The Importance of Early Detection and Risk Assessment for Chronic Disease Based on IF-
789 795	135-ECCC-PID-1377 136-ECCC-PID-1378	ORBF-DA Approach State-of-the-Art of Prediction of Stress Levels in the Workplace Based on MLP-CNN Technique
801	137-ECCC-PID-1378	E-ATM For Card Less Transactions Using Machine Learning
301	15 / LCCC-11D-1500	Stress Management through Workplace Associations with Productivity and Mood: The Impact of Learning Experience
807	138-ECCC-PID-1382	Based on Hybrid RF-GA-DNN Approach
813	139-ECCC-PID-1386	Risk Modelling and Prediction of Financial Management Using FTL-CSGRU Approach.
	11 11 11 11 11 11 11 11 11 11 11 11 11	Developing an Advanced IoT-Enabled Smart Agriculture Management System to Enhance Crop Growth: A GBRT-
819	140-ECCC-PID-1387	Based Approach
	2.37	Enhancing Agricultural Efficiency and Sustainability through Advanced IoT and AI-Driven
825	141-ECCC-PID-1389	Precision Farming Technologies
830	142-ECCC-PID-1392	Predictive Modeling for Cirrhosis Diagnosis: A Machine Learning Exploration.
836	143-ECCC-PID-1393	Enhancing Transportation Safety with YOLO-Based CNN Autonomous Vehicles.
		Panoptic Region Slicing Segmentation And Optimized Alexnet-Based CNN For Early
844	144-ECCC-PID-1397	Melanoma Diagnosis
		Comparison of TCP Congestion Control Algorithms: Harnessing the power of Traditional
852	145-ECCC-PID-1398	Hybrid and Machine Learning Fusion
858	146-ECCC-PID-1399	Object Tracking Robot using SIFT based Computer Vision
863	147-ECCC-PID-1402	Forecasting the risk of heart diseases using Recureent neural network - A Survey
869	148-ECCC-PID-1403	ThermAI: Exploring Temperature Analysis through Diverse Machine Learning Models
875	149-ECCC-PID-1406	Development and Control of Mobile Manipulator - Four-Wheeled Drive Mobile Robot with a 3-DoF Manipulator.
881	150-ECCC-PID-1410	Advancing Multilingual Communication:NLP- based translational Speech to speech dialog system for Indian languages

887	151-ECCC-PID-1411	Design and development of 1:4 BALUN for HF band
		Design Implementation of a Vehicle Detection and Tracking System Utilizing YOLOv8 and Google
892	152-ECCC-PID-1412	Maps API
897	153-ECCC-PID-1413	FPGA Implementation and Optimization of Adder Performance with Hybrid FinFET-GDI Logic
903	154-ECCC-PIS-1414	Peak Pattern Classification in Mass Spectrometer Data using Deep Learning Techniques
		Integrated Railway Infrastructure Optimization and Control System: Leveraging IoT for Advanced
908	155-ECCC-PID-1415	Railway Management and Monitoring
913	156-ECCC-PID-1416	Air Pollution Monitoring and Purifying System
919	157-ECCC-PID-1417	Video Summarization System using NLP and Latent Semantic Analysis
925	158-ECCC-PID-1418	A Transformer-Based Deep Convolutional Network for Heart Anomaly Prediction System
931	159-ECCC-PID-1419	Enhancing Wellness and Location Monitoring For Mountain Climbers
937	160-ECCC-PID-1420	Design and Development of an Automated Turmeric Drying Warehouse
944	161-ECCC-PID-1421	Centralized Monitoring System Street Light Fault Detection and Location Tracking for Smart City
951	162-ECCC-PID-1422	AI-Powered Facial Expression Analysis In Real Time: Unveiling Emotions
957	163-ECCC-PID-1425	Smart clothing for coal mine workers