

2024 International Conference on Recent Advances in Science and Engineering Technology (ICRASET 2024)

**B G Nagara, Mandya, India
21-22 November 2024**

Pages 1-513



**IEEE Catalog Number: CFP24UA1-POD
ISBN: 979-8-3503-8861-9**

**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:	CFP24UA1-POD
ISBN (Print-On-Demand):	979-8-3503-8861-9
ISBN (Online):	979-8-3503-9960-2

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

CURRAN ASSOCIATES INC.
proceedings
.com

Conference Record # 63057

**2024 International Conference on Recent Advances in Science and
Engineering Technology (ICRASET)**

TABLE OF CONTENTS

SI.No	PAPER ID	AUTHORS	ARTICLE TITLE	eCF Paper ID	Page Number
1	10	Hemanth T S, Rajeshwari B S	Predicting Blood Pressure from photoplethysmogram Data: A Machine Learning Approach	815397	1-6
2	21	V.R.Vimal,D Jayalakshmi, Lakshmi Kanthan Narayanan, Hemavathi R ,Loganayagi S	5G-Enabled Remote Healthcare Monitoring for Improved Patient Care	815399	7-11
3	22	Sachin Harne, Dhanamalar M, Devika Chanakya, Kalesh Busa , Pooja Bramhe, Rovin Tiwari	Advanced Deep Learning Approaches for Personalized Medical Image Analysis: Revolutionizing Healthcare with Precision Imaging	815401	12-16
4	23	A.Ganesh Ramachandran,S.K.Saravanan , M.Bhanumathi , M.Sangeetha , F. Mary Harin Fernandez	Computer Vision for Agricultural Automation - Algorithmic Solutions for Crop Yield Predictions	815403	17-21
5	24	D Jayalakshmi,V.R.Vimal ,Loganayagi S , Lakshmi Kanthan Narayanan, Hemavathi R	Enhancing Supply Chain Efficiency with IoT and Data Analytics	815405	22-26
6	25	Devika Sahu, Ranu Pandey , Narendra Sahu , Mridula Chahar , Shikha Shukla ,Rovin Tiwari	Sustainable Machine Learning for Real-Time DDoS Attack Detection and Mitigation in Industry 4.0 CPS	815407	27-32

7	31	P.Jesu Jayarin , D. Beulah David , Jenifa , V Sheeja Kumari ,N. Muthuvairavan Pillai	Enhancing Cybersecurity in the Digital Age with Machine Learning for Threat Detection and Prevention	815409	33-37
8	32	K. Sashi Rekha,V.M.Sivagami ,R. Usharani , T Amutha ,S.Pushparani	Implementing Multi-factor Authentication in Cloud Services for Enhanced Security	815411	38-42
9	33	G.Mary Valantina ,P. Muneeshwari , D. Lakshmi , R. Suguna , H.Asra Jabeen	Unraveling the Potential of 6G Wireless Communication Systems in Next-Generation Networks	815413	43-47
10	34	V.Parthipan ,P.S.Ramesh , Gururama Senthilvel. P , R.Dineshkumar ,G. Vennila	Revolutionizing Healthcare with Wearable Devices and IoT Integration for Personalized Health Management in Next- Generation Health Informatics	815415	48-53
11	40	S Magesh Kumar,Subbiah Swaminathan, D.Sugumaran , N. Naga Saranya , S Ashokkumar	Exploring Reinforcement Learning Algorithms for Autonomous Agents in Dynamic Environments	815417	54-59
12	48	Kiran Puttegowda,Saritha Shetty,Prabhavathi K,Yathiraj G R,Chandra Shekar P,Sunil Kumar D S	Revolutionizing Multiplication: Implementing Vedic Sutra Principles in Multiplier Design	815419	60-63
13	50	Naveen B,Aishwarya H M, Manu Y M, Chaitra H G, Nischitha M G, Raaghu C R, Parashivamurthy H L	Hand Gestures Mechanism for Controlling and Supervising the Smart Mattress	815421	64-69
14	52	Hemanth Kumar B M,Neha Prakash , Namitha C , Jeevan G , Chandana H R , G Manjunath	Solar Harmoni Air:The Integration of solar energy for outdoor air purification and quality monitoring system	815423	70-75
15	53	Hemanth Kumar B M ,Naveen K B, Maliya Taskeen, Ravi L S, Naveen B, Narendra N S.	Missile guidance system using Kalman Filtering	815425	76-80

16	56	Manjula Gururaj Rao,Ch Sree Kumar, Priyanka H, Kamal Kant Sahu, Bibekananda Pattanaik, Gururaj Rao H	Local Meet: Utilizing Video and Audio Conferences in Education	815427	81-87
17	64	Rajkumar Pandiarajan	Advanced Machine Learning Algorithms for Predictive Analytics in Healthcare to Enhance Patient Outcomes with Data-Driven Insights	815429	88-92
18	65	J.Jagannathan, A.Ponmalar, Rajkumar Pandiarajan, I. Sudha, P.S.Ramesh	Advanced Multi-Spectral Image Processing Techniques for Enhanced Remote Sensing and Comprehensive Environmental Monitoring in Diverse Ecosystems	815431	93-98
19	66	I. Sudha,P.S.Ramesh ,A.Ponmalar, J.Jagannathan, Rajkumar Pandiarajan	Enhancing Healthcare Data Security in Cloud Computing Systems through Advanced Homomorphic Encryption Techniques Integrated with Cuckoo Search Optimization Algorithm	815433	99-104
20	67	P.S.Ramesh ,I. Sudha, J.Jagannathan , Rajkumar Pandiarajan, A.Ponmalar	Optimizing User Data Privacy and Confidentiality in Cloud Storage Systems Through Advanced Obfuscrypt Encryption Methods for Enhanced Security and Efficient Data Protection	815435	105-110
21	68	A.Ponmalar,Rajkumar Pandiarajan, I. Sudha, P.S.Ramesh ,J.Jagannathan	Securing Multi-Tenant Cloud Environments with Fully Homomorphically Encrypted Secure Multiparty Computation	815437	111-116
22	69	Manikandan G,Subbiah Swaminathan , K.V.Kanimozhi , K.Seethalakshmi , N.Venkatesvara Rao	Energy-Efficient Cloud Computing through Blockchain-based Resource Allocation and Green Contracts	815439	117-121
23	70	V Sheeja Kumari ,N. Muthuvairavan Pillai, P.Jesu Jayarin , D. Beulah David ,J.S.Jenin	Revolutionizing Connectivity and Data Processing in IoT Ecosystems through Edge Computing	815441	122-127
24	71	Vanshi R Gatti,Prajith Shetty, Ravi Prakash B, RamaMoorthy H	Balancing Performance and Protection: A Study of Speed-Security Trade-offs in Video Security	815443	128-133
25	74	Arnav Aggarwal,Shrey Nagori, Lakshya Kishnani, Dr. Safa. M	Leveraging Artificial Intelligence and Internet of Things for Enhanced Shuttle Tracking	815445	134-139

26	77	ANAND KUMAR MYLA,SRINIVASA RAO GORANTLA	Investigations on Microgrid based Photovoltaic and Wind Energy Systems in Standalone mode	815447	140-145
27	87	Veerasha R K,Lathish Kumar N D, Samarth S Shetty, Shrajan G Prasad, Swaroop S Poojary , Shilpa Karegoudra, Hasan Koten	Deep Learning-Based Classification of Areca Nut Yellow Leaf Disease with ResNet-50 CNN	815449	146-152
28	89	Yuvaraju T,Jayanth J, Ravikiran H K, Dileep R	A Deep Multi-View Learning Approach for Wildlife Animal Detection and Identification	815451	153-161
29	94	Dhivakar S ,Shobana S , Vignesh M, Johnny Renoald A	An Intelligent Power Management Control Scheme for A 9 Bus Grid Tied System Powered by PV System	815453	162-167
30	102	Deepa,A Shubham,Aravind,Bhuvan Shetty,Dhanush H,Archana P K	An Efficient Depth Estimation Technique for Visual Perception	815455	168-172
31	103	Chinmai Shetty,Malathi S Y,Shainy Fernandes,Subrahmanya Rajesh Nayak,Susama Bagchi, Sanjoy Kumar Debnath	Deep Learning Approaches for Cataract Detection Using Fundus and Real-Time Naked Eye Imaging	815457	173-178
32	117	Kavita Avinash Patil,A.B. Gurulakshmi , Neethu P S , Salna Joy ,Nanditha Krishna ,R Baby Chithra ,Avinash N J	Optimized Parallel and Serial Array Antenna Design for X- Band Aviation Radar Sensors	815459	179-182
33	119	Shruthi G,Niyati Singh, Ruhi Mitra, Krishna Raj P M	Music Genre Detection Using Audio Streams : A Machine Learning Approach	815461	183-188
34	124	Kiran Kumar Humse,Dr.Anjanappa C	Comparative Analysis of PAPR Reduction Method using Windowing technique and digital predistortion technique for OFDM Systems	815463	189-193
35	127	Anil Kumar K. M., Anusha S G, Sharath H N, Milind M, Manju Charan	Impact of Different Embeddings on Text Classification	815465	194-199
36	131	Vinutha H,Yogananda B V	Advanced Meta-Learning Techniques for Inference of Neural States Under Anesthetic Conditions	815467	200-207

37	134	Manu Y M,Naveen B, Niveditha N M, Siddartha B S, Gangadharagowda P H, Priyanka H D	An Interaction Paradigm to Facilitate Cardiac and Nerve Anatomy using Augmented and Virtual Reality	815469	208-213
38	135	Anitha S Prasad,Dr S Gayathri, Niteesh H D , Kavana Thimmappa Naik ,subhash hurakadli ,Vishal R	Low cost IOT based smart watching system	815471	214-219
39	136	Kannan Ramakrishnan ,M. RAJA ,K.Kalaierasi, M.Balamurugan ,M. Sathesh	Optimization of Data Aggregation Techniques in Wireless Sensor Networks	815473	220-224
40	137	M. Arun,P. Gururama Senthilvel , A.Muthukrishnan, N.Poongavanam, S.Pushparani	Blockchain-Powered Decentralized Resource Allocation and Management for Cloud Computing	815475	225-229
41	138	S.Pushparani,A.Muthukrishnan , N.Poongavanam , K. Sampath Kumar , M. Arun	Continuous Gesture Recognition in Human-Computer Interaction through Real-Time Machine Learning Models	815477	230-234
42	139	M.Balamurugan,K.Kalaierasi, M. RAJA, M. Sathesh,Kannan Ramakrishnan	Integrating Remote Sensing Technologies for Real-Time Disaster Management, Mitigation, and Decision Support Systems	815479	235-239
43	141	Saraswathi J M ,Mohan Kumar K S, Manoj Kumar S B, M B Anandaraju, P S Puttaswamy, Mouna K M	Raspberry Pi Camera Based Leaf Pest Detection By Using Classical Image Processing with CNN Algorithm	815481	240-249
44	148	Aishwarya S S,Chaithra I V, Pushpa Ravikumar, Deeksha Sagar	Multi plant leaf disease detection and classification using convolution neural network and image processing	815483	250-254
45	154	Shivananda S,Lincy Meera Mathews, Sanvi Nikkam, Prashanth Kambl, Rajashree D Ingale, Prashant Koparde	Revolutionizing Legal Case Analysis through Advanced Event Extraction	815485	255-260
46	155	Nandeesh M, Naveen B, Srividya C N	Tooth Enamel segmentation from dental x-ray using MASK R- CNN Algorithm	815487	261-265

47	156	Vidhya S G ,C Balarengadurai, Boddu Ravi Prasad	Enhancing Cheque Security: Forgery Detection Via Signature Recognition Using Optical Character Recognition and Deep Learning	815489	266-271
48	160	Preeti,Harkamal Kaur, Utpal Shrivastava, Manoj Wadhwa, Nongmeikapam Thoiba Singh, Kunal Chauhan	Improving Crop Yields and Resource Efficiency in Organic Farming Using Advanced Optimization Techniques: A Machine Learning Approach	815491	272-277
49	161	Richa Dhiman,Sushma, Richa Grover, Nongmeikapam Thoiba Singh	Metro Route Optimization for Urban Public Transportation Using Q-Learning	815493	278-282
50	165	Bandi Alekhya, Jasti Jayarama Krishna Sabareesh, P.V.Supriya, Anusree Devineni, K Premchand, B.V.Vyshnavi,	A Compact Dual-Element MIMO Antenna with T-Shaped Ground Plane for mm-Wave 5G Applications	815495	283-287
51	185	S. Jayasree, Abhishek Singla, RenukaJyothi.S, P.D. More, P. Jeevananthan, Suhas Gupta	Integrating Machine Learning and Swarm Intelligence for Enhanced Anomaly Detection in Dense Crowds	815497	288-292
52	186	Sukhman Ghumman, Praveena J, Sidhant Das, Suhas Ballal, Pranali S, M.S. Gowtham	Scalable Heterogeneous Broad Transmission Distance Protocol (HT-BTDP) designed for Wireless Sensor Networks (WSNs) and Internet of Things (IoTs).	815499	293-297
53	187	M.S. GOWTHAM, Sulabh Mahajan, S.SATHIYA NAVEENA, Sourav Rampal, Roopashree R, Roopashree	Leveraging CNN and CNN-LSTM Networks for Automated Diabetes Detection Using Heart Rate Signals	815501	298-302
54	188	Vivek Deshpande, S.BARATH KUAMR, Tarun Kapoor, Keerthika A, Jatin Khurana, Rekha M M	Advanced Hybrid Techniques for Early Diagnosis of Mammogram Images: Combining Deep and Machine Learning Approaches	815503	303-307
55	189	Jayaprakash B, Mandar Diwakar, A. Krishna Kumar, Wamika Goyal, Divya N, Bharat Bhushan	Advanced Analysis of Depression in Women Using e- LSTM and All-Lexicon LR Classifiers	815505	308-312
56	190	Padum Kant Mishra,Ekta Gupta , Aniket Kumar	Comparative Research on Power Junction Temperature in 2,4,8 bit Multiplier using Nikhilam Sutra.	815507	313-316

57	192	D. Nirmala, Jagtej Singh, Subbulakshmi Ganesan, Vishwesh Deshmukh, V.P. ARUL KUMAR, Dikshit Sharma	A Mixed-Methods of ML Strategy for Cardiovascular Disease Prediction Using Classification Data	815509	317-321
58	193	Mridula Gupta, Sowmiya S, Yuvraj Parmar, Soumya V Menon, Chitrakant O. Banchhor, M. Vignesh	Refining Heart Disease Diagnosis with Machine Learning: Techniques for Optimal Medical Outcomes	815511	322-326
59	194	Senthil Pandi S, Suguna Devi R, Keerthana S M, Thanam A	Optimizing Fish Classification with a Hybrid SAE-SVM Model: Performance and Evaluation on Fish-gres and Fish4-Knowledge Datasets	815513	327-332
60	195	M. VIGENESH, Madhur Taneja, S. Jayasree, Bhavuk Samrat, G.PadmaPriya, Prutha P Kulkarn	An effective Implementation and Comparative Analysis of Mobile Robot Path Planning Algorithms	815515	333-337
61	196	Simran Kalra, Gayathri C, Prateek Aggarwal, Jamuna.K.V, Gopal B Deshmukh, P. Gajendran	Comprehensive Fault Handling and Resource Management Strategies for Fog Infrastructure	815517	338-342
62	197	Paramjit Baxi, Asha S, Ashwini Ranjit Nawadkar, V. DINESH BABU, Nimesh Raj, Praveena J	Designing neuro-inspired architectures for efficient signal processing	815519	343-348
63	199	Takveer Singh, Vignesh T, Vignesh T, Vyshnavi A, P.R. Rege, S. Arul Antran Vijay	Deep learning approaches for improving near-field automotive radar sensing and imaging	815521	349-354
64	201	A Suresh, J Sridhar, R M Mallika, D Nagaraju, G Indiravathi	Enhance the Context-Based Online Recommendation System Using Deep Recurrent Neural Network With Enhanced Pigeon Search Optimization	815525	355-362
65	208	Govindappagari Bhuvaneswari, Gomathi N	Optimizing Energy Efficiency in Wireless Body Area Networks through NEEMA: A Hybrid Meta-Heuristic Approach	815527	363-368
66	214	Ravi Kumar M G, Mrinal Sarvagya, Sunil Thimmaiah, Manjesh N, Annapooorna Channigavi, Vinay N A	Reflection compensation and binary thresholding using the Homomorphic Filtering approach for composite manufacturing	815529	369-374

67	219	K S Ananda Kumar,Chaitra R, Asma Begum, Mahesh Kumar T N, Rahul Sajjan	Advanced AI Solution for Dynamic PDF Interaction and Management	815531	375-381
68	221	Sreenivasulu K N,Vijay Kumar Gowda B N, Navyashree HR, Yashas P T, P. Bhanupriya	Intravenous Saline Monitoring System Powered by IoT for Patient Safety	815533	382-385
69	223	Parikshit N. Mahalle, V.P. ARUL KUMAR, Ansh Kataria, Srividhya S, Sudhanshu Dev, Malathi.H	A Blockchain-Based Secure Communication Framework for IoMT with Improved Security via Hybrid Metaheuristic Models	815535	386-390
70	224	Shivam Khurana, Pooja Varma, Vishal B. Ambhore, C. MUKUNTHARAJ, Himanshu Makhija, Josphin Selsia A	A Novel Enhanced Cooperative Blackmailing Attack Detection System (EBAD) for SA-CBA Mitigation	815537	391-395
71	225	Srisainath R, Romil Jain, Pallavi, S.A. Tiwaskar, P.Gajendran, Pradeep Marwaha	A Novel Simulated Annealing-Based Algorithm for Data Replication Optimization in Mobile Edge Computing	815539	396-400
72	227	Supriya Rai, Komal Madhukar Birare, K.S. BHUVANESHWARI, Tarang Bhatnagar, S. Jayasree, Ashu Katyal	Leveraging LSTM-Based Autoencoders for COVID-19 Severity Prediction and Classification	815541	401-405
73	228	D Little Femilin jana, Harsimrat Kandhari, Roopa Traisa, V.A. Mishra, M. VIGENESH, Prabhjot Kaur	Optimizing Drug-Target Interaction Predictions for Anti-Cancer Agents Using Machine Learning	815543	406-411
74	230	Hitesh Kalra, Sunitha B K, Vijaya N. Aher, D. BHANU, Pavas Saini, Keerthika A	Innovative Machine Learning Framework for Assessing Drug Response in Cancer Treatment	815545	412-416
75	231	Krishna Reddy B N; Santosh Kumar; D. BHANU; Shubhansh Bansal; S.SATHIYA NAVEENA; Kanika Seth	Optimizing Multi-Grade Brain Tumor Classification in MRI Images with Hybrid Structure Descriptors: A Detailed Analysis	815547	417-421

76	234	Manjula Prabakaran,Kiran Kumar G, Kuppam Meghana, Sindhu K R, Shoyab Ali Khan G	Enhancing Fraud Detection with Deep Learning: A Robust Automated Counterfeit Detection System	815549	422-427
77	238	Manjula Prabakaran,S Kusuma, S Aman, S Faliha, P Dinesh	Unlocking a New Era in Human-Computer Interaction with Transformative AI Virtual Mice for Unparalleled Accessibility, Hygiene, and User Experience	815551	428-432
78	264	Prafulla P S,Sahana H C, Shwetha K, Anusha M N, Prabhavathi K, Shwetha S N	Machine Learning Technique for early Parkinson's disease detection	815553	433-438
79	265	Naveen S,Shreya M P, Sanketh G, Jayanthi M G, Prashanth Kannadaguli	RouteRover: AI-Enabled Traffic Congestion Prediction and Route Optimization for Indian Urbanites	815555	439-443
80	266	Pavan Kumar V Kulkarni ,Likith M, Ashwin Haragi, Dr Jayanthi M G, Prashanth Kannadaguli.	SentinelAI: Revolutionizing Urban Security through Intelligent Video Surveillance in Indian Metropolises	815557	444-449
81	273	Charan teju v,Suchitra T Yadav, Chaithanya, Nithish B A, Supriya M S	Cardiac Arrhythmia Classification using Ensemble Machine Learning Algorithms with PPG and ECG signals	815559	450-454
82	275	Yennam Sravani,Pathakota Suma Sai, Nookala Shashi	Emotion recognition of south Indian regional languages in social media	815561	455-462
83	279	Swapnil Sharma,Uditaparna Sarmah, Vineet M. Dodamani, Vikas Rai K., Ramachandra H. N., K. S. Shivaprakasha	Secured Homomorphic Encryption and Authentication for Healthcare	815563	463-468
84	304	Sudheesh K V, Swetha K T, Gireesh Babu C N, Ravikiran H N,Kiran Puttegowda,Sunil Kumar D S	Optimized Audio Classification with Convolutional Neural Network Ensembles	815565	469-472
85	307	Dharmesh Dhabliya, C. MUKUNTHARAJ, Shreya Ghosal, Kalanandhini G, Lalit Khanna, Shankar Prasad S	Conditional Autoregressive-Salp Swarm Algorithm with Differential Pulse Code Modulation for Efficient Block-Based Compressed Sensing	815567	473-477

86	309	K S Bhuvaneshwari, Mukul Mishra, Janakiraman V, Shreya Ghosal, Saritha Srinivasmurthy Raqhotham, Shilpa M. Katikar	A Fog Cluster-Based Interpretable AI Framework for Human Activity Recognition and Personalized Healthcare Monitoring	815569	478-482
87	311	Neelesh Singh, Priya Makhija, M.P. Karnik, D. BHANU, Ramesh Saini, Sowmiya S	Effective IoT Attack Detection with Optimal Feature Selection and Random Forest: Performance Enhancement Using Spider Monkey Optimization	815571	483-487
88	318	Shwetha G K,Pratham S Shetty, Samarth N Baliga, Jayantkumar A Rathod, Divya C	Transforming Education With Innovative Virtual Learning Environments	815573	488-493
89	321	Kavitha H.S,Anu H, Komala M , Pavithra G S, Mallikarjunaswamy S,Sharmila N, Naveen K B, Sheela S	Smart Grid Solar Tracking Optimization using Deep Reinforcement Learning Algorithm	815575	494-499
90	326	Rekha V,Sharmila N,Komala M ,Pavithra G S,Mallikarjunaswamy S,Naveen K B, M Shilpa, Sheela S	Hybrid Edge-Cloud Approach for Renewable Energy Management Using Deep Learning with Predictive Analytics	815577	500-506
91	327	Chanagond Jambagi,Ravi Teja Kuruba, Veena M B	Implementation of In-memory Wallace-Tree Multiplier using Hybrid Majority-gates	815579	507-513
92	338	Emad Qais,Veena MN	Comparative Study of Feature Selection Algorithms for Text Analytics: A Performance and Efficiency Analysis	815581	514-519
93	341	K Indhumathi, Rajith Rufus S , R. Shyam Anand	Design and development of metamaterial based rf resonator for Ultrawideband sensor applications for patient monitoring	815583	520-528
94	353	Harshitha G M,Ranika, Ranjith Prabhu	Integrative Predictive Analytics: A Multi-Algorithm Approach to Simultaneous Diabetes and Diabetic Retinopathy Diagnosis	815585	529-534
95	358	Chaitra S ,Nayana B R, Pushphavati T P, Vinayak Y G	Comprehensive Investigation on Features Selection using Statistical Tests for EMG Signal Classification	815587	535-540
96	364	Anantha Murthy ,Melisha Shalini Pinto, Sunith Kumar T	Lip Movement Detection in Konkani Using Deep Neural Networks	815589	541-546

97	367	Usha Divakarla,Manjula Gururaj Rao , Sushma K Bhat, Sohini Misra	Multimodal Approach to Decoding Facial Expressions Using LBPH and Deep Learning Techniques	815591	547-552
98	372	Nayana B R, Abhishek Anand, Abhisht Kumar, Aman Raj, Anubhav Adhikari, Chirag Goyal	Risk Factor Prediction of Chronic Kidney Disease Using Machine Learning	815593	553-557
99	376	Kalyan Dusarlapudi,PAVULURI SOMA SEKHAR, P AEKANTH, Syamala Aamani Vissapragada,k.koteshwara rao,Charan Sai Tiruvuri	Design and Development of LIDAR Based Next Generation Embedded system for Vehicle-to-Vehicle Communication	815595	558-563
100	377	G N Keshava Murthy,Abisha K, Bhoomika H B, Disha S R, Pallavi K R	Tomato Leaf Disease Detection Using Convolution Neural Networks	815597	564-571
101	378	G N Keshava Murthy,Pooja R, Namratha G, Chithra M S, Supreetha G	Early Detection of Stem Bleeding in Coconut Trees Using Image Processing	815599	572-577
102	381	Gokul B S,Anjana Raj, Rakesh S	An Approach Towards Real-Time Arrhythmia Detection using Deep Learning Techniques	815601	578-582
103	384	Hemadarshini M P,K R Swetha	Evaluating Deep Neural Networks for the classification and indentification of medicinal plant species	820333	583-589
104	385	Divya B M,Ravikumar G K,Shashikala S V	Yolo in accident pattern detection	815603	590-596
105	390	Madhura D M,Chandana M, Gokul B S, Rajesh V	Teeth Alignment Prediction using UNet	815605	597-600
106	405	Ankit Punia, Rajalakshmi G, Mithhil Arora, Raghu G Anand, Y.V. Dongre, D. BHANU	Optimizing Coverage and Connectivity with Energy-Efficient Protocols in Wireless Sensor Networks	815607	601-605

107	406	C. MUKUNTHARAJ, Komal Parashar, D Little Femilin jana, Divya Sharma, Kiran Lokesh Maney, Shalini Y. Nigam	Designing an Energy-Efficient Wireless Sensor Network Model for Effective Intruder Detection and Minimizing Energy Consumption	815609	606-610
108	407	Dharmesh Dhabliya; K.S. BHUVANESHWARI; Prakriti Kapoor; Sowmiya S ; Avni Garg; Yashoda L	Hybrid ANFIS model for Depression Recognition Consuming Three-Channel EEG Data	815611	611-615
109	409	Abhishek Singla, Sunil. MP, Deepika Dongre, V. DINESH BABU, Sulabh Mahajan, P.Sharmila	Improving Adversarial Attacks on Graph Neural Networks with Honey Badger Optimization and Efficient Parallel Defense Strategies	815613	616-620
110	414	Senthil Pandi S,Vinoth Kumar P , Bala Subramanian C , Kumar P	Advanced Feature Rich Medical Image Segmentation Based on Deep Feature Learning	815615	621-626
111	417	Sinchana Kakade S,Pragna J, Deeksha K R, Sinchana K S, Sowmya C G, Raghu Kumar B S	Enhancing Care and Communication for Paralyzed Patients: A Microcontroller-Based Gesture Sensor Approach with GSM Integration	815617	627-631
112	420	R Thanga Kumar, Riddhi R. Mirajkar , P. GAJENDRAN , Noopor Pandey, Gayathri C , Mohan Garg	Leveraging Explainable AI and Optimized Deep Learning for Enhanced Leukemia Detection Using Otsu Threshold Segmentation	815619	632-636
113	421	K. Indhumathi, M.Johnson Nithish, S.Rohith Immanuel	Design and Optimization of a Dual-Circular Element Antenna for High Frequency Application	815621	637-642
114	423	Mrs Vedika Vishawas Avhad ,Jagdish W. Bakal	Smart Iridology: Deep Learning for Predictive Health Insights	815623	643-648
115	424	Abhisri M, Manikrishneshwar Sasidhar, Aditya Subramanian, Mirdhula Sreeraghavan, Surindernath Sivakumar	Anomaly Detection in Medical Imaging: Bridging the Gap between 2D Processing and Interactive 3D Visualization	815625	649-653
116	427	Muskan Indikar,Vishwanath P.Baligar	Retina blood vessel segmentation using the u-net model with the XAI technique	815627	654-659

117	432	Subhashini R,Jyothi D G	Optimized Constrained Application Protocol for IoT Smart Home Data Security: A Novel Lightweight Approach	815629	660-668
118	437	Tharun Tejas G,B N Shobha, Ramkumar B M, Naveen K B, Manojkumar S B, Shivakumaraswamy K N	VLSI Implementation of Power Efficient 4-Bit Flash ADC	815631	669-674
119	442	Manu Y M,Priyanka M E	AI-Driven Grading of Mango Quality Using External Characteristics: A Machine Learning Approach	815633	675-683
120	443	Sorabh Sharma,V.P. ARUL KUMAR, Sorabh Sharma, Jeyalaxmi M, Lovish Dhingra, Ranganathaswamy M K, Chitrakant O. Banchhor	Dynamic Malware Analysis and Node Behavior Monitoring with Self-Replication for Enhanced Network Intrusion Detection	815635	684-688
121	451	Shruthi K K,Poornima. A.S	SafeMeds: A Blockchain-Driven Drug Supply Chain Verification System	815637	689-694
122	452	Ramachandra AC,Risha Tomer,H S Jagadeesh, Pooja Kadri , Swathi Y V	Face Recognition and Detection using CNN and Cascade Detection	815639	695-701
123	453	Vinay Prasad M S,Jayaram M N, Adithya S	MULTIMEDIA DATA TRANSMISSION IN UNDERWATER WIRELESS SENSOR NETWORK	815641	702-711
124	455	Hanisha Abirami B,Aditya Palani, Shirly Edward A, Tamilarasi R, R.Linie Sharon	Performance Optimization of Silicon Nanowire MOSFETs for Next-Generation Low Power Applications	815643	712-717
125	459	G.Divya,Prasanna Paga,A.Chidananda,G Sai teja,M.Hareeswara Reddy	A Deep Learning Approach for Enhanced Detection of Diabetic Retinopathy Using a Modified Fast RCNN	815645	718-723
126	461	Palleti Venkata Kusuma,S Chandra Mohan Reddy	Brain tumor detection using with GW Deep CNN LSTM	815647	724-729

127	462	Subramanya S G,Parkavi A	Detection and Classification of Grape Leaf Diseases using EfficientNet Model	815649	730-734
128	463	Suresh Kumar K R,Prashanth Kambli, Prathima M N, Shruthi G, Komal Raj S, Nagaraj Poojari	Weather Prediction Model using Ridge Regression	815651	735-739
129	480	Sunita Shirahatti,Haritha D, Thejaswini P , Deepika A J, Yashaswini B M ,	Performance Analysis of Vedic Multiplier using Kogge Stone Adder and Reversible Logic	815653	740-744
130	481	Priyanka K,Rithik R, Jaswanth C, Rajesh C	A Fusion of CNN, MLP, and MediaPipe for Advanced Hand Gesture Recognition	815655	745-749
131	496	Usha S M,Sheela S.N, Komala M , Pavithra G S, Mallikarjunaswamy S, Sharmila N, Rekha V, Umashankar M L	Intelligent Fault Detection and Prediction in Smart Grids Using Supervised Learning Model	815657	750-755
132	502	Mallikarjunaswamy S,Jyothi H, Komala M	Advancing Event Recognition in Videos Using Hybrid Deep Learning Model	815659	756-761
133	508	Nagashree S, M Mahadeva Prasad	Comparison of Five-level and Seven-level Multi-level Inverters Designed with Fewer Switches and Less Voltage Stress	815661	762-766
134	513	Sheela S ,Jyothi S, Latha A P, Ganesh H.J,Reshma Dsouza,Sharmila N,Mallikarjunaswamy S, Pavithra G S	Automated Land Cover Classification in Urban Environments with Deep Learning-Based Semantic Segmentation	815663	767-773
135	514	Mallikarjunaswamy S,Sheela S, Latha A P, Jyothi S, Vidyarani H J, Komala M, Sharmila N, Pavithra G S	Enhancing Stockpile Management Through Deep Learning with a Focus on Demand Forecasting and Inventory Optimization	815665	774-779
136	528	Mahesh D S,Naveen K B	Swarm Intelligence-Based bio inspired Algorithm for Patch Antenna Optimization	815667	780-784

137	530	Deepa Manavachari, Jayalaxmi G. Naragund, Vishwanath P. Baligar	Enhancing Diabetic Retinopathy Diagnosis Using Intelligent Images Classification	815669	785-791
138	533	Prasanna Kumar M J ,Priyanka k, smitha k, Vijay Kumar M S	Diabetic Retinopathy detection and stage classification using Lenet-5 Architecture	815671	792-796
139	535	Niveditha M,U B Mahadevaswamy, Rohith M N	Effective Smart Bin Monitoring System using Arduino and GSM module	815673	797-802
140	537	Baranidharan V, Hari Muruges K, Gokulvasanth K, Rahul Vikash K, Jane Mystika D, Renugadevi S	Modeling and Control Techniques for Autonomous Underwater Vehicles - A Comprehensive Review	815675	803-809
141	543	Goldi Soni, Vandana Roy, Praveen Sharma, Prashant Kumar Shukla, Sourabh Sahu, C. Raja,	Automated Epilepsy Detection System Based on Tertiary Wavelet Model (TWM) Techniques	815677	810-814
142	544	Kiran Sree Pokkuluri,Nishesh Nigam, Avita Fuskele, C. Raja, Prashant Kumar Shukla, Chhaya	Efficient Novel Method for EEG Signal Classification in Epileptic Seizure Identification using Metaheuristic Deep Learning	815679	815-818
143	557	Ramakrishna Hegde,Likitha S, Natesh M	Intrusion Detection System Using Machine Learning Based on NSL KDD Dataset	815681	819-823
144	558	Ramakrishna Hegde,Soumyasri S M, Shivashankara S, Sudeep J, Deepu G, Natesh M	Advancements in Climate Modeling and Prediction through Machine Learning Techniques	815683	824-828
145	562	Prof.Amruta Amune ,Rajwardhan Rokade, Aarya Sawane, Rajwardhan Sangar ,Aditya Rampure, Nishith Raut	DreamSpace VR: Redefining Home Tours in the Digital	815685	829-834
146	563	Mallikarjunaswamy S,Deepak B L, Sabin T.T, Darshana A, Vindya L, Suma Manjunath N, M Shilpa, Rekha V	Artificial Intelligence-Driven Power Management System for Enhanced Efficiency in Smart Grids	815687	835-839
147	569	Apoorva I S ,Shashikala S V, Dheemath G	Optimizing Multi-Objective Routing with Quantum Firefly Algorithm in Wireless Sensor Networks	815689	840-844

148	570	Dheemanth G,Shashikala S V, Apoorva I S	Machine Learning-Based Automatic Classification of Gastrointestinal Categories from Food Images	815691	845-849
149	586	Ramakrishna Hegde,Pavithra D R, Shivashankara S, Prasanna Kumar G, Soumyasri S M, Nagashree S	A method for predicting cardiovascular disorder using machine learning techniques.	815693	850-856
150	587	Manasa A,Ravikiran H K	Advancing Corn Crop Disease Classification A Comparative Study with CNN	815695	857-862
151	589	Ramakrishna Hegde,Soumyasri S M, Shivashankara S, Kavyashree M K, Rambabu Pemula, Harshittha.M	A System To Track Fabricated Content In Social Media Using Machine Learning Approach	815697	863-867
152	590	Ramakrishna Hegde,Shivashankara S, Soumyasri S M, Thirthe Gowda M T, Mahadeva prasad Y N,	An Hand Gesture Smart Translation System for differently abled people	815699	868-873
153	593	Manasa H S,Manojkumar S B,Yashaswini P R,Kavana K V,Srikanth P C	Rhombic shaped Photonic crystal Biosensor for the detection of Eye melanoma	815701	874-877
154	595	Poornima S,Naveen K B, Manoj Kumar S B, Paramesha R, Goutham V, Lakshmi D L, Harisha S	Classifying EEG Signals for Seizure Detection With Non- Linear Vector Decomposed Neural Network (NVDN) Techniques	815703	878-882
155	598	Kumar P,Senthil Pandi S , Muqaddam Aaqil Sheriff, Mithun Dineshkumar	Automated Wheat Leaf Disease Detection Using Deep Learning with TensorFlow and Keras	815705	883-888
156	603	Senthilselvi A,Rajamenaga V, Pooja J , Ashwath P, Abarajitha P , Senthil Pandi S	Accuracy Improvement in Diabetic Retinopathy Detection Using Machine Learning	815707	889-894

157	607	Kavana M D ,Areebah Tasdeeq, D Poshitha, Hemith Kumar R, K S Dhavan	Campus Navigator: Your Go-To Chatbot for Academic Advice and Resources	815709	895-899
158	608	Uzma Tabassum ,U B Mahadevaswamy, Rohith M N	Smart Portable ECG and Spo2 kit	815711	900-905
159	621	A. Viji Amutha Mary , Rajalakshmi, N. Anusha, S. Jancy, Mercy Paul Selvan, L. K. Joshila Grace	Enforcement of CNN Model in Drone Detection System	815713	906-911
160	624	Mrs Bharathi R, M B Anandaraju	Iris Recognition System Using Circular Hough Transform and HOG	815715	912-915
161	633	Kavitha B C,Sudeep Kumar K S, Ramyarani H V, Naveen K B, Naveen B, Manojkumar S B	Tomato Leaf Disease Detection Using ML & IP and Fabrication of Pesticides Spraying Prototype	815719	916-921
162	639	Ramakrishna Hegde,Keerthana S, Sripriya R M, Sreesh Raghu, Kavin K V	Natural Language Processing Based Intrusion Detection Interface For IoT Devices	815721	922-927
163	640	Vincent Linish Dsouza, Anurag R Sherigar, Avish N Poojary, Dheeraj M Bangera, Harshith Kumar S, Hemaraju	Design and Fabrication of an Eco-Friendly Remote controlled Fish Catching Bot for Coastal Fishing	815723	928-933
164	642	Viswanatha V,Praneeth D , Rekha Sree T , M Abhiram Sai	AI Enabled Home Security System Using Object Detection and Face Recognition with Haar Cascade Algorithm	815725	934-939
165	646	Pramodhini R,Bhavana S R, Kadambari K, Nishchith M Krishna	A New Era in Fishing Safety: RF and GSM Technologies	815727	940-945
166	654	Rajesh N ,Naveen I G, Shankari N, Parth Sheetal Kumthekar, ,Sufiyan Ahmed Khan, Rayyan Mohammed	Optimizing Hyperspectral Image Enhancement with FPGA Hardware Accelerators	815729	946-951
167	658	Venugopala Chowdhary Ch, Venkateswara Rao Kolli, Sushma N., Santhosh Kumar K. B., Indira Bahaddur, Sreenivasulu Tupakula	Enhanced 5-Channel DWDM Demux Using Photonic Crystal Hexagonal Ring Resonators	815731	952-956

168	671	Mitha D, Venkateswara Rao Kolli, Santhosh Kumar K. B., Varshitha M, Sushma N., Indira Bahaddur	Optimization of Integrated Optical Microring Resonators for Enhanced Sensing Applications	815733	957-961
169	673	Bhavya B M, RaviRam V	Predicting reservoir Resource Utilisation Using Machine Learning	815735	962-967
170	692	Chaithra K N , Neelappa, Aman Shukla, Harsh Kanodiya, Supriya Ray	Performance of XG Boost over other ML models for Prediction of CVD	815737	968-973
171	696	Chaithra K N, Kriti Gupta, Minni Kumari, Kumari Priyanka	CCN - based Melanoma Anamoly detection model	815739	974-979
172	698	Piyush Kumar Pareek, Ramya Vani Rayala, Chandrakanth Reddy Borra, Srinivas Cheekati	Fortifying Smart City IoT Networks: A Deep Learning-Based Attack Detection Framework with Optimized Feature Selection Using MGS-ROA	815741	980-987
173	701	Piyush Kumar Pareek, Ramya Vani Rayala, Chandrakanth Reddy Borra, Srinivas Cheekati	Securing IoT Environments from Botnets: An Advanced Intrusion Detection Framework Using TJO-Based Feature Selection and Tree Growth Algorithm-Enhanced LSTM	815743	988-995
174	702	Piyush Kumar Pareek, Ramya Vani Rayala, Chandrakanth Reddy Borra, Srinivas Cheekati	Mitigating Cyber Threats in WSNs: An Enhanced DBN-Based Approach with Data Balancing via SMOTE-Tomek and Sparrow Search Optimization	815745	996-1003
175	704	Piyush Kumar Pareek, Ramya Vani Rayala, Chandrakanth Reddy Borra, Srinivas Cheekati	Enhancing Cybersecurity in Modern Networks: A Low-Complexity NIDS Framework using Lightweight SRNN Model Tuned with Coot and Lion Swarm Algorithms	815747	1004-1011
176	707	Piyush Kumar Pareek, Ramya Vani Rayala, Chandrakanth Reddy Borra, Srinivas Cheekati	Hybrid Optimized Intrusion Detection System Using Auto-Encoder and Extreme Learning Machine for Enhanced Network Security	815749	1012-1018
177	710	Hemantaraj M Kelagadi, Sumathi M S, Shobhit Tembhre, Niranjana Murthy M	Optimizing Power and Data Routing in Wireless Sensor Networks: A Focus on Enhancing Network Lifetime	815751	1019-1025