

2024 International Conference on Inventive Computation Technologies (ICICT 2024)

**Lalitpur, Nepal
24-26 April 2024**

Pages 1-725



**IEEE Catalog Number: CFP24F70-POD
ISBN: 979-8-3503-5930-5**

**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:	CFP24F70-POD
ISBN (Print-On-Demand):	979-8-3503-5930-5
ISBN (Online):	979-8-3503-5929-9
ISSN:	2767-777X

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

**7th International Conference on Inventive Computation
Technologies (ICICT 2024)**

24 – 26 April, 2024

Table of Contents

<i>S.No</i>	<i>Paper Titles / Author Names</i>	<i>Page no.</i>
1	Enhancing Product Categorization in E-commerce using NLP and Machine Learning N Sai Satwik Reddy, V Venkata Alluri Rohith, P Sai Abhiram, M Devi Siva Rama Saran, Samya Rebecca	1
2	Deep Learning Approach for Predicting Output Current Ripple in Electric Vehicle Chargers K Madumathi, T.S. Saravanan, K. Lakshmi Khandan, R. Raja, Sathish Kannan, Rajendiran M	7
3	Exploring the Efficiency of Random Forest, Support Vector Machine, and Artificial Neural Network in Traffic Crash Data Raju Bhele, Aayushman Subedi, Bibek Thapa, Pramila Rajchal	12
4	A Comprehensive Study of Farmer's Protests Through Advanced Sentiment Analysis Rayidi Sai Sree Sresta, C.S Pavan Kumar, Saini Roshini	18
5	Artificial Intelligence for Analysing Consumer Buying Behaviour Towards Digital Marketing of Electronic Gadgets M.Sathiya, PA. Padmaavathy	29
6	Safeguarding Authenticity in Text with BERT-Powered Detection of AI-Generated Content Utsho Chakraborty, Jaydeep Gheewala, Sheshang Degadwala, Dhairya Vyas, Mukesh Soni	34
7	Elevating Banking Services: A Deep Dive into the Pervasive Influence of Artificial Intelligence on Operational Excellence and Customer Engagement Disha Dogra, Sunil Kumar	38
8	Advancing Brain-Computer Interaction: EEG-based Eye Movement Recognition with AI Ravi Kumar Saidala, M. Ramnath, Komala C R, N. Gowri Vidhya, Syed Noeman Taqui, Rajendiran M	44
9	Novel Approaches in Machine Learning for Enhanced Facial Recognition Systems Manisha Maddel, Mohanthy Kakarla, Sindhu D, Geetha Rani K, Swapnaja Amol Ubale, Mahesh Kumar A S	49
10	Earlier Prognosis of Malignant Tumor in Cerebral Magnetic Resonance Images using Machine Learning Mahesh Prasanna K, Yogesh Iohumi, Renukalatha S, Harshal Patil, Ramya Maranan, Vipul Vekariya	57
11	Precise Identification of Anomalies in Brats MR Brain Images using Metaheuristic Optimization Techniques S. Rosaline, K. Maheswari, B. Dhanasakkaravarthi, Vaishali M, Sathish Kannan, Nandakumar Selvaraju	64
12	Human Behaviour and Abnormality Detection using YOLO and Conv2DNet Sophia S, Joeffred Gladson J	70

13	Expeditious Diagnosis of Cerebral Aneurysm on MR Brain Angiogram Images Utilizing Soft Computing Techniques Anjaneya L.H , K. Maheswari, N. Revathi, Siva. K. P, Manzoore Elahi M. Soudagar, Joshuva Arockia Dhanraj	76
14	An Machine Learning based Comparative Analysis of Various Feature Extraction Methods for Improved Prediction Accuracy of Breast Cancer CT Scan Images Balaji Adusumalli, T.R. Vijaya Lakshmi, C. Gunasundari, S. Gayathri Devi, Rajendiran M, Ramya Maranan	82
15	Deep Learning-based Classification of Lung CT Scan for Accurate Cancer Diagnosis D.Christy Sujatha, T.R. Vijaya Lakshmi, Surya G, U. Surendar, Rajendiran M, Ramya Maranan	88
16	Heartbeat rate estimation using Convolutional Neural Network J Calvin Abilash, D Albert, P Jayabharathi	94
17	FROM : Resilient Face Recognition under Masked and Occluded Environment Shivam Saxena, Sanskriti Chandra, Santosh Kumar	99
18	Advancements in Breast Cancer Detection: A Holistic Evaluation of Deep Learning Models with Histology and Thermal Imaging Datasets Sanskriti Chandra, Pallavi Baghel, Nancy Lakra, Shivam Saxena, Santosh Kumar	107
19	Understanding Machine Learning & its Application in Obesity Estimation by Explainable AI Mahin Khan Mahadi, RummanurRahad, Abdullah, Abu Noman Samiha Ishrat, Fahim Faisal	112
20	DSSL: A Comprehensive Analysis of Optimizing Professional Competence through Deep SkillSetLearn Model for Soft Skills Training Saira Banu K A, T R Kalai Lakshmi	118
21	E-commerce Products Image Classification using EfficientNetB5 with Transfer Learning Archi Shah, Parth Goel, Vaibhav C. Gandhi	125
22	Exploration on Learning Disorder using Machine Learning Jincy .J, Subha Hency Jose.P, Georgina Abraham	130
23	Traffic Sign Recognition using Shift In-Variant 2-D ConvNet Ramsundar B, Sudharsan S, A. Pravin	135
24	Revolutionizing Compilation: Lexical Analysis Approaches for Parallel Multi-core Processing Vaikunta Pai T, Sandeep Kumar S, Nethravathi P S	142
25	Optimizing Well-Being: Unveiling Eustress and Distress through Machine Learning Ashutosh Singh, Khushdeep Singh, Amit Kumar, Abhishek Shrivastava, and Santosh Kumar	150
26	Empowering Product Purchase Decisions through AI-Driven Review Analysis and Summarization Smilarubavathy G, Mohammed Afzal K A	155
27	Early Detection of Dementia Disease using Machine Learning G.Nandan, AjanthaaLakshmanan, Mallidi Taraka, Ammi Reddy	163
28	An Effective Assessment of Machine Learning Approaches for Fake News Detection V. Asha, A.P Nirmala, A Arvind Raj, Akash Yadav, Abhijit Sen, Abhinav Rajan	169
29	Deep Transfer Learning based Light-weight Agricultural Pest Classification Model using Convolutional Neural Networks Aarya Bhatt, Dharm Patel, Vatsal Ajmeri, Parth Goel	175
30	Revolutionizing Rural Healthcare in India: AI-Powered Chatbots for Affordable	181

	Symptom Analysis and Medical Guidance Abisha D, Mahalakshmi M, Pritiga T, Thanusiya M, Punitha Sahaya Sherin A, Navedha Evanjaline R	
31	Disclosing the Potential of Deep Learning in Cassava Leaf Disease Analysis by using CNN And Neural Networks Approach Arepalli Gopi, Sudha L.R, Iwin Thanakumar Joseph S	188
32	Classification of Multiple Human Activities using Deep Learning K.Sangeetha, P.Vishnu Raja, Lokeswaran SS, Kishore Kumar PG, Mohan Kumaar S	194
33	Software Bug Tracker using Deep Learning K.C.Mohanraj, M.Prasanth, S.Rafith, A.Sriman	200
34	Improving the Detection of Alzheimer's Disease with Advanced Artificial Diagnosis and Classification Methods Tulip Das, Chinmaya Kumar Nayak, Parthasarathi Pattnayak	206
35	An Ensemble based ML Model to Predict Cardiac Disease Nur E Jannat Hema, NubrasSamayeen Zeest, Mohammad Ratul Mahjabin, Muhammad Nazrul Islam	214
36	Machine Learning - Driven Approaches for Detection and Analysis of Phishing Attacks: A Robust Framework for Cybersecurity N. D. S. S. Sarvan, Venkata Sai Ram Reddy, Darshan Jain, Guntupalli Rakesh, Dinesh Kumar Anguraj	220
37	Predictive Modeling for Thyroid Disease Diagnosis using Machine Learning Ruhi Himanshu Agarwal, SheshangDegadwala, Dhairya Vyas	227
38	Enhanced Machine Learning Algorithm to Predict Brain Stroke T.Kavitha, S.Hemalatha, P. Elakkiya, K. Kaviya, M.Kousika	232
39	Combining Deep Learning Models for Improved Drug Repurposing: Advancements and An Extended Solution Methodology Utku Kose, Omer Deperlioglu, Ecir Ugur Kucuksille, Gokhan Turan	238
40	Beyond Copy Paste : Plagiarism Detection using Machine Learning Akula Vasuteja, Alavalapalli Vasanth Reddy, A. Pravin	245
41	Severity Classification of COVID-19 from Chest CT Image using Integrated Quantum-Classical Framework Prabhakar Singh, Shashidhar Ram Joshi	252
42	Utilizing Deep Neural Networks for Enhanced Diagnosis of Dermatological Conditions Parthasarathi Pattnayak, Sanghamitra Patnaik, Sameer, Suchismita Rout, Sudhansu Shekhar Patra	260
43	Futuristic Authentication: Development of an Artificial Intelligence based Enhanced Face Detection and Recognition System Rama Satish K V, Dattatraya Arun Jadhav, M.V. Siva Prasad, Jayendra Gopal Thatipudi, V.Tejasri, J.Divya	266
44	Data Insights Nexus-Innovative Platform for Dynamic Modeling and Visual Analytics Nagaraj P, Muneeswaran V, B. Venu Gopal Reddy, P. Naga Ramya Sri, N. Gayathri, T. Venkata Dastagiri Reddy	273
45	Prediction-based Techniques on Academic Performance of Graduating Students through Machine Learning Elmer E. Estandarte, Daryll P. Agbon, Anthonette C. Azares, Michelle C. Elape, James Cloyd M. Bustillo, Jeanie R. Delos Arcos	281
46	Crowdlaw: Application of Emerging Technologies and Collective Intelligence in Law and Policy Making Alfonso Renato Vargas-Murillo, Ilda Nadia Monica de la Asuncion Pari-Bedoya, Cintya Amelia Delgado-Chávez, Edison Menacho Taipe, Claudia Katherine Reyes Cuba, Guisseppi Paul Morales Cauti	288

47	Predictive Modeling of Lung Cancer using Support Vector Machine R.Arunkumar, K.Gowtham, R.G.Pavin, E.Kamalesh	294
48	Malaria Parasite Detection using 2D CNN P.Tejakumarreddy, M.Sunil, N. Senthamilarasi, V.Subapriya, G.Anbuselvi,	302
49	A Comprehensive Study on Solar Wind Hybrid Power Generation System with modified Luo Converter G.T Sundar Rajan, M. Pushpavalli, V. Sivachidambaranathan, A. Ramesh Babu, J. Barnabas Paul Gladly, SundarsinghJebaseelan, S. D	309
50	The Development of Polycystic Ovary Syndrome Risk Evaluation System using Advanced Machine Learning Technique Velvizhi R, Arya, Kiruthiknivas R	314
51	The Impact of AI on Traffic Management and Safety in the Internet of Vehicles through Mobile Edge Computing Sahar Ebadinezhad, Kazeem Aminu Stanley, Glodie Mpia Engo, Nwabueze Kenneth Osemeha, Ahmad Shoaib Mayar	319
52	A Comprehensive Survey on Nuchal Translucency Segmentation and Thickness Estimation Sandip Aher, Balasaheb Agarkar, Sachin Chaudhari	327
53	Case based Decision Making in Biologically Inspired Condition Management System Hariom Dhungana	335
54	Kidney Stone Detection using Amalgam of ML V Asha, Jincy C Mathew, Neethu Tressa, Omkar S Kumbhar, Prakash R, Chaithanya P	340
55	Reinforcement Learning for Dynamic Traffic Routing and Optimization Sahar Ebadinezhad, Ahmed Conteh, Khaldoon Arshed Ali, Ibrahim Khalaf Hussein	346
56	Strategic Approaches to Modern Data Management Leveraging Relational Database Systems Dhavan Chapke, Kalyani Akant, Pankaj Chandankhede	353
57	Deep Q-Learning based Resource Scheduling in IoT Edge Computing G. Vijayasekaran, M.Duraipandian	359
58	IntelliSecure AI-Powered Intrusion Detection Framework Govindaraj M, V Asha, Marutheesha H, Madala Dileep Sai Kumar, M Muniprasad, Nithya Ramesh	365
59	Text Emotion Multi-Label Classification with Vectoring and Deep Learning Dinesh Raja Radha, L. Mary Gladence, Dhanush Raj M	371
60	A Novel Smart Approach to Plant Health -Automated Detection and Diagnosis of Leaf Diseases T.Sangeetha, R. Rajarajan, S. Rithick Krishna, N. Sakthi Siddhath	377
61	Fast Gradient Sign Method (FGSM) Variants in White Box Settings: A Comparative Study Aarti Lad, Ruchi Bhale, Shlok Belgamwar	382
62	Aural Vision - Envisioning the Independence of the Visually Impaired Viancy V, Nithin R C Mouli, Manushri M, Sridevi S	387
63	Advancements in Food and Meat Freshness Monitoring: Integrating Machine Learning and Advanced Technologies Viancy V, N. Gobalakrishnan, Anitha E	393
64	Student Placement Prediction and Skill Recommendation System using Machine Learning Algorithms Rakesh Kadu, Purshottam J. Assudani, Tanmay Mukewar, Jatin Kapgate, Rajat Bijekar	401
65	Detecting Cracks in Concrete Surfaces using Convolutional Neural Networks and Resnet 50	409

	Christopher Cyrus, Harini T, Sathya Bama Krishna	
66	Blood Delivery Management System using Google Map – Blood Hub Ekraj Ghimire, Garima Sinha, Raj Kasaudhan, Prajwol Gautam, Ramu Barai	416
67	Prediction of Dengue Cases in Bangladesh using Explainable Machine Learning Approach Sadia Sabrina Prome, Tushar Basak, Tasnim Islam Plabon, Riasat Khan	425
68	Preterm Birth Prediction using Machine Learning Narmadha P, Indhuja S U, Bhavadharani V, Helen R	430
69	A Novel ICT Driven ESG Enabled Model for Productive, Efficient and Sustainable Development of Construction Industry Sanjay Pandey, G.T. Thampi	436
70	Extreme Learning Machine Approach for Transmission Line Protection using Wavelet Singular Entropy Devi.R, Darwin Roy E, Dhatchinamoorthi S, Dinesh K, Krishna Kumar V, Santhosh.P	443
71	Intelligent Traffic Management System: An Advanced Solution Tankala Rushi, Shaik Mohammad Zamaan, A.Pravin	449
72	AI based Proctoring System – A Review Joseph Sam Paul, Omar Farhath, Mercy Paul Selvan	455
73	Prediction of Heart Diseases using Advanced Learning and Data Analytics Approach Syed Ruhi Fardibha, Pathan.Hussain Basha, Vikruthi.Sriharsha	460
74	A Framework for Suggesting a New Methodology for Early Detection of Epilepsy Seizure Subash.K , Saravanan A , Padmavathi B	466
75	YOLO Version v1 to v8 Comprehensive Review Ruta Mulajkar, Sanjay Yede	472
76	Revolutionizing Alzheimer's Diagnosis using Quantum Computing Bhagyashree Patil, Mihir Lad, Prabal Sharma, Noynicaa Santani, Madhur Rajpal, Sanober Shaikh	479
77	Human Genetic based Disease Identification Deepa Bendigeri, Leena Sakri, Sakshi Mural, Sakshi Hukkeri, Prithviraj Tayannavar	486
78	Analyzing Yelp Open-Source Data-set in Azure Data-bricks Mugunth D, Maheshwaran R, Maheswari M, S.L.Jany Shabu , J.Refonaa	492
79	Efficient Storage Solution for Video Surveillance Archives Ayush Praveen, Rohan Reddy Alleti, Aneesh Ravishankar, Amogh Skanda Suresh, V.R. Badri Prasad	499
80	Deep Learning-based Sentiment Analysis of User Generated Reviews of Various AI Powered Mobile Applications Md. Saymon Ahammad, Sadia Akter Sinthia, Md. Mustak Ahmed, Mahjabeen Hossain, Nur-A-All Asif,Md. Nurul Afsar Ikram	505
81	Development and Performance Evaluation of Text Summarization using Deep Learning and Natural Language Processing Techniques Nitin Shivsharan, Pratiksha Sawant, Sukanya Patil, Janhavi Matondkar, Aditi Gawade	513
82	Association Rule Mining with a Memory-Efficient Apriori Algorithm: Optimized Transaction Pruning Jeanie R. Delos Arcos	520
83	Using Preference Selection Index for Design Decision Support System Selection of Farmers Group Recipients of Assistance Rismayani, Lande Sudianto, Abdul Malik I. Buna, Irma Surya Kumala Idris, Martina Pineng, Herlinda	527
84	Ensemble Stacking Classifier for Cardiovascular Risk Prediction	534

	Seelam Nagarjuna Reddy, Doki Vamsi Krishna, Idamakanti Asritha , Lankapalli Charitha	
85	Automated Image Colorization using Machine Learning Algorithms Mekala Sachith Reddy, G Manjula V Mahesh, T.Prem Jacob	541
86	Implementing a Robust License Plate Detection System – A Review Gourish Garg, Tanishk Agarwal, Akshit Kumar, Amit Kumar Jaiswal	546
87	Scholarship Seek: Designing and Implementing a Student-Centric Scholarship Platform Lokesh Khedekar, Raghav Chandratre, Omkar Chincholkar, Yash Chougale, Tanishq Chunamuri, Swapnil Dabhade	552
88	Enhancing Resume Recommendation System through Skill-based Similarity using Deep Learning Models Rahul Singh Pundir, Anil Dhasmana, Urmila Karakoti, Aishki Sikder, Shreya Sharma, Mahesh Manchanda	557
89	Complex Facial Expression Analysis and Recognition using Deep Networks Sumana SG, Manjula Yerva, Shaila S G, Srinivas K, Vinuth Gowda S	563
90	Abnormal Activity Detection in Crowded Areas Sohan Tummalapalli, Durga JayasaiPillagolla, Aparna Vaishnavi Karpurapu, Narayana Swami Potla, Iwin Thanakumar Joseph	568
91	A Review on the Human Face Generation Approaches R. Ravinder Reddy, Saphalya Peta, Vineela Bellamkonda, D. Raman	575
92	Contextual Spelling Correction with Language Model for Low-Resource Setting Nishant Luitel, Nirajan Bekoju, Anand Kumar Sah, Subarna Shakya	582
93	Knowledge-Enriched Graph Convolution Network for Hybrid Explainable Recommendation from Review Texts and Reasoning Path Rama Bastola, Subarna Shakya	590
94	CNN-RNN Hybrid Model to Classify a Local Language Slangs using Spectral features Ramkumar.R, Kotteswara Rao Anne	600
95	Classification and Prediction of Employee Attrition Rate using Machine Learning Classifiers Umang Garg, Neha Gupta, Mahesh Manchanda, Kamlesh Chandra Purohit	608
96	An In-Depth Exploration of ResNet-50 and Transfer Learning in Plant Disease Diagnosis Subbaiah Desanamukula, Thatikonda Dharma Teja, Potluri Rajitha	614
97	Discover Image Restoration: Analysis and Novel Architecture Proposal Poonam Pawar, Bharati Ainapure	622
98	Real-Time Dashboarding using Big Data Tools Sanjay R, Dheeraj Pulakhandam, V. Nirmalrani	629
99	Machine Learning-based Classification of Persistent Depressive Disorder using Questionnaire Responses Saranya.D, Shalid Chetty Pichasavari, HashikaV	636
100	ForeScanGuard: Proactive Monitoring and Detection for Sustainable Forest Conservation R. Santhana Krishnan, S. Balamurugan, M. Rekha, R Arul Jose, K. Haribabu, A. Essaki Muthu	641
101	A Real Time Tomato Crop Disease Prediction using Deep Learning Mahesh Manchanda, KartikayJadli, Prerna Butola, Vaibhav Sharma, Diya Bisht, Kamlesh Purohit	649
102	Optimizing Farm Insect Image Classification: A Transfer Learning Approach with Model Selection Mahesh Manchanda, Vineet kukreti, Aman Kumar, Aayush Katiyar, Yash Nikhurpa	657
103	Deep Learning Classification Techniques on Detecting Diabetic Retinopathy	663

	Dataset B.Revathi, C.Usharani, S.K.Kezial Elizabeth, Nagaraj P, D.Nithya	
104	An Enhanced Real-Time Object Detection Method using Liquid Neural Network and Echo State Network Architecture Venkata Phani Charan Reddy Udumula, Revanth Ancha, Murali Krishna Ramayanam, Patcha Venkata Sai Manoj Teja, VenubabuRachpudi	669
105	An Efficient Investigation of Cloud Computing Security with Machine Learning Algorithm R.Senthilkumar, S.Yasotha, P. M. Manochithra, J.Senthil, G.Sivakumar	678
106	Bayesian Optimized Artificial Neural Network for Breast Cancer Classification Nayan Kajal Rout, Lingraj Dora, Sanjay Agrawal	684
107	EmoRec: Personalized Emotion Recognition and Task Recommendation System for Enhanced Learning Experiences Pappula Sarala, Gunde Neha, Nandipati Sri Venkata Tanmayi, Ailuri Naga Venu Reddy	692
108	Deep Learning Techniques to Detect Nutrient Deficiency in Rice Plants Supreetha S, Premalathamma R, S H Manjula	699
109	Exploring Innovation: Artificial Intelligence (AI) in Pharmacy David Raymond, Divyani Mankar, Amit Gudadhe	706
110	Automated Hoist Level Load Lifter Enhanced with AI for Material Handling Vijaianand P, Nishanth B, Vignesh V, Vignesh I, Gajendran P	710
111	AudioPalette: Generating Soundtracks Through Feature Extraction from Images Abhinav Vasireddy, Tushar N Kumar, Manas Chebrolu, Karthik Nair, V.R. Badri Prasad	714
112	Indoor Navigation System using Augmented Reality Devang Kishor Parab, Pranav Prasanna Deshpande, Raj Manoj Thakur, Vedant Atul Warke, Shushma Khanvilkar	720
113	Plant Guard: AI-Enhanced Plant Diseases Detection for Sustainable Agriculture S. Arulmurugan, V. Bharathkumar, S. Gokulachandru, M. Mohamad Yusuf	726
114	Multi-Genre Poetry Classification and Performance Evaluation Preety Sagar, Jatinderkumar R. Saini	731
115	Review on EEG-based Dementia Staging using Machine Learning Gopika A K, Nithin Chandran, Mahi Sankar A G, Gokul P T, Abhay R, Jerrin Thomas Panachakel	738
116	HOG based Infant Anti-Abduction Surveillance System for Maternity Hospitals Swati Shilaskar, Divya Lothe, Prasanna Gebise, Saayonee Dhepe, Shripad Bhatlawande	745
117	Traffic Speed Limit Sign Recognition using Deep Learning Kamali B, Kishore A, Rajkumar S, Saravanakumar K, Dhanaselvam J, Rajesh R	754
118	Sentiment Analysis of Social Media Comments using Natural Language Processing Ketavarapu Srinidhi, Ala Harika, Srujan Sai Voodarla, Jarugula Abhiram	762
119	Advancements in Human Activity Recognition: A Comprehensive Review of Smartphone and Wearable Sensor Integration Cheruku Dhohada, Konatham Sumalatha	769
120	Applications of Fuel Cell in Standalone Microgrid Powered by Renewable Energy Sources S Sankara Prasad, M Bhagya Lakshmi, Pandikona, Kausalya Rohith Wod, Mallepogu Sharath Kumar, S Nagendra	777
121	Decision Tree Analysis for Point-of-Care Ultrasound Imaging: Precision in Constrained Healthcare Settings Girish Abhyankar, Ramakrishnan Raman	782
122	Next-Gen HVAC Technologies with K-Nearest Neighbors for Cloud-Optimized Allergen Filtration for Healthier Living Spaces	788

	Ramakrishnan Raman, Raj Varma	
123	Impact of Hybrid Sampling on ML-based Network Intrusion Detection Systems Atmaja Mali, Ayush Gala, Kalyani Waghmare	794
124	Comprehensive Analysis of Multiple Diseases using Machine Learning D. Rosy Salomi Victoria, T. Subhishwaran, P. Velan	801
125	Skin Cancer Classification using CNN and Transfer Learning (TL) Shashank Patel, Mudita Pandey, Rajeswari D	808
126	Enhanced Botnet Attack Detection using Machine Learning and Neural Networks Dharaneish V C, Sandeep Rajakrishnan, Sudhay S, Senthil Kumar T, Siddhesh T S, Sulakshan Vajipayajula	814
127	AmritaSync: A Deep Learning based Anaemia Tracker for Non-Invasive Detection Bharath Anuj P, Divyanth Chalicham, Amrutham Varshit Purna, Alla Venkata Siddhartha, Jeyakumar G, Janci Rani P.R, Selvanayaki Kolandapalayam Shanmugam, Senthil Kumar Thangavel	822
128	Exploring Sign Language Recognition using Convolutional Neural Network Edwin Samuel M, Samuel Christopher S, T.Prem Jacob	831
129	Constructing the ChatGPT for PDF Files with Langchain – AI T. Prem Jacob, Beatriz Lucia Salvador Bizotto, MithileyshSathiyarayanan	835
130	A Review on Role of IoT and Machine Learning in Agriculture Gulshan Kumar, Vishal Kumar Choudhary, Shravan Kumar, Rajan Kumar, Mukesh Kumar, Palash M. Gourshettiwar	840
131	AI-Enhanced Learning Assistant Platform N. Sai Sumanth, S. Vishnu Priya, Sankari M, Kamatchi K.S	846
132	Implementation of an NLP-Driven Chatbot and ML Algorithms for Career Counseling Anuja Deshpande, Aryan Dubey, Arya Dhavale, Ankita Navatre, Uma Gurav, Amit Kumar Chanchal	853
133	Advances and Challenges in Brain Tumor Classification and Segmentation: a Comprehensive Review Kalpana Telkar, K. Anusudha	860
134	A Comprehensive Review on Data Visualization Techniques for Real-Time Information Vishal Kumar Choudhary, Gulshan Kumar, Saurabh Suman, Abhishek Kumar	866
135	AI-based System for Circuit Fault Detection and Guidance Muntaha Alharbi, Ghadeer Bakhedar, Basma Bajukhaif, Thangam Palaniswamy	872
136	Enhancing Lung Carcinoma Screening:Utilizing 2D-UNet Models for Precise Detection Tumu Vineetha, Vakumulla Akshay Kumar, Mahamkali Lohit Venkata Sai Mohan, Joniboyina Sai Lalitha	877
137	Fire Detection and Prediction using Machine Learning for Fireworks Industry V.S.Sanjana devi, Suresh kumar B, Suresh kumar V, Vishwa K, Vaseegaran K	884
138	Personalized CNN Architecture for Advanced Multi-Modal Biometric Authentication Rashmi A. Joshi, N. B. Sambre	890
139	IntelliCrop: Major Cropping Pattern Prediction using Machine Learning Techniques Aditi Attavar, Akshatha Leela Manohar, Himoshra D, Harshiya Banu B, Pooja M R	895
140	An Investigational Study on Face Recognition-based Attendance Tracking System for Educational Institutions Srivaishnavi J. V, Adwaita Sathrukkan, Avadhani Bindu, Raghul S, T Senthil Kumar, G Jeyakumar	900

141	Development of an Ensemble Model for Disease Prediction using Laboratory Tests V. Chandra Shekhar Rao, M. Sujatha, Jalagam Navitha, Chirra Karthikeya, Bheemandla Goutham, Puvati Jairam	907
142	Neural Harvest : Advancements in Crop Yield Forecasting Srinivasa Reddy Seelam, Charitha Sai Thivari, Bhagath Parabattina, Narendra kumar G, Sumanth K	914
143	Computer Vision based Smart Bot for Weed Detection and Removal in Vegetable Crop Fields R. Praveenraj, R. Ramya, S. Thanu, R. Aswinkumar	919
144	Comparative Exploration of Machine Learning Models for Enhanced Autism Detection Cheruku Nagamani, Tatipamula Rohini Devi, Gogam Ganesh Babu, Vanukuri Sindhu	925
145	Deep Learning based Predictive Analytics for Employees Turnover with Performance Prediction in Banking Sector Ravi Kumar Bommiseti, Ravi Prakash Kodumagulla, Manjula Srinivas, Anupama Nalkurti, Pankaj A. Nandurkar, Sinh Duc Hoang	933
146	A Deep Network Model for Examining Kidney Cyst using Learning and Optimization Approaches Arun Pandian B, K Vanitha	939
147	Deep Learning based Financial Management with Decision Support Systems for Adaptive Organization Shanmuga Prabha P, Kamarajugadda Tulasi Vigneswara Rao, G Ravivarman, K V S Prasad, Rajendiran M, Ramya Maranan	944
148	LeafYogi: Deep learning based Mobile Application framework for Ayurvedic Leaf classification Chalmers J, Senthil Kumar Thangavel, I Johnson	950
149	Monitoring and Detection of Environmental Pathogen using Bio-Polymer Sensors with Drone R.Seetharaman, V.Mughuntha, B.Harish, K.B.Nithish, S.Prithivee, C.Ambhika, S. Arumai Shiney, L. Harihara Subramanian, V. Megala	955
150	Forecasting Maternal Women's Health Risks using Random Forest Classifier Dhruvi Thakkar, Vaibhav C. Gandhi, Dhriti Trivedi	961
151	Design and Development of Serial Driver Verification Scoreboard Module using UVM Abha Dargar, G. Vasu, V. Samara Simha Reddy, S. KoteswaraRao, Ch. Tharun, G. Swathi Kiran	966
152	Sentence-Level Nepali Sign Language Recognition Dinesh Bhusal, Daya Sagar Baral	972
153	Mouse Cursor Control with Eye Gestures A. Sree Rama Chandra Murthy, Daggula Anitha, Narra Manidhar Chowdary, Srinivasan Siddhartha Sai Kumar	980
154	A Data Driven Method for Forecasting the Flight Aviation G. Sivakarathi, P.R. Priyalakshmi, R. Srinidhi	984
155	A Deep Learning-based Approach for Shrimp Quality Estimation using DenseNet121 Bipin Nair B J, Akhil P, Shashank M N	989
156	Beef Quality Assessment using InceptionNet Bipin Nair B. J, Sreeganesh P.S, Karthik N.R	995
157	Multilingual Web-based Agricultural Decision Support System: Integrating Machine Learning for Accurate Vegetable Price Prediction J.Nageswara Rao, Nelluri Vineetha, Dabbugottu Dinesh, DudipalliKowmya Sree	1001
158	Early Detection of Fire using YOLOv8 and Computer Vision	1008

	N. Srinivasan, Srihari. K. S, Srinivas. R. V	
159	Smart Warfare: Designing Intelligent Vests for Enhanced Military Operations Shital Raut, Gaurav Jaisinghani, Nisarg Doshi, Ganesh Gaikwad	1016
160	Garbage Collection and Segregation using Computer Vision R. Lokesh kumar, R. Ramya, M. Jaya Balaji, V. Hari, M. Malarvizhi	1023
161	Optimizing Industrial Machinery Maintenance through Machine Learning Predictions Alaguvathana P, Vignesh S, ThulasiDharann MLB, Yoganath RM	1029
162	Identifying Parkinson's Disease in it's Primitive Phase using Vocal Characteristics Polukonda Mary Kamala Kumari, Sirikonda Geethika Spoorthy, IlluruHepsebha, Puli Charishma	1035
163	Wildlife Classification using Convolutional Neural Networks (CNN) Vijay Mane, Pranjali Nikude, Tejas Patil, Prashik Tambe	1046
164	Underwater Object Tracking and Classification of Marine Animals Vijay Mane, Swanand Patwardhan, Piyush Pethkar, Rajat Patil	1054
165	Explainable Artificial Intelligence in Healthcare-A Review Ishwarya S, Anitha S Pillai	1059
166	Novel Study Development of Classification Techniques for Gene Data Analysis using AI Veeraswamy Ammisetty, K John Bunyan, Viswanath Veera Krishna Maddinala, Shakunthala B S	1065
167	Multi-Criteria-based Graph Neural Networks for a Medical Emergency Response System Prakash J, P Joyce Beryl Princess	1071
168	Optimizing Maternal Mental Health: A Study on Boosting Algorithms for Suicidal Tendencies Prediction in Postpartum Depression Inan Marshad, Md. Sakibul Islam, Abrer Mohsin Samin, Md. Safin Mahmood Shomyo, Mirza Muntasir Nishat, Fahim Faisal	1077
169	Aspect Sentiment Analysis with Triplet Extraction for E-Commerce Meenakshi Sundaram A, P Joyce Beryl Princess	1082
170	Conversational Question Answering Systems: A Comprehensive Literature Review Vaishali Vadhavana, Krishna Patel, Brinda Patel, Bansari Patel, Naina Parmar, Vaibhavi Patel	1088
171	Enhancing Compatibility Accuracy in Jigsaw Puzzle Assembly Through Multi-Color Space Him Kafle, Amit Banerjee	1096
172	Decoding Diabetic Neuropathy: Tap into Postural Sway for Optimal Feature Detection based on Machine Learning Approach Sanjib Raj Pandey, Mahdi MaktabdarOghaz, Jobin George Varghese	1104
173	Deep Learning Applications for Identifying and Detecting Heritage Sites Anand, Dravid.T, Jayanth.JT	1112
174	Detect Potentially Risky Websites using Hidden Markov Model Vadivel S, B Bothinath, K Dinesh Kumar, V Kavinpirasanth	1120
175	Machine Learning based Two stage Personality Prediction System Suja Panickar	1124
176	A RAG-based Medical Assistant Especially for Infectious Diseases Stewart Kirubakaran S, Jasper Wilsie Kathrine G, Grace Mary Kanaga E, Mahimai Raja J, Ruban Gino Singh A, Yuvaraajan E	1128
177	Farm_era: Precision Farming with GIS, AI Pest Management, Smart Irrigation, Data Analytics, and Optimized Crop Planning K Prashanth Reddy, M. Roshni Thanka, E. Bijolin Edwin, V.Ebenezer, Stewart Kirubakaran S, Priscilla Joy	1134

178	Air Quality Control using Machine Learning K.RamaKrishna Reddy, D.Vidya Shree, N.Vasu, K.Saketh Patel, N.Vamshi Karthik Rao	1141
179	Skeletal Fragility Detection using Deep Learning K. Rama Krishna Reddy, V. Sravya Reddy, V. Sriram Sathvik, N. Muthukumaran, Shaik Mahaboob Subhani	1146
180	A Novel Computer Vision framework for the Automated Visual Inspection for Quality Control of Automotive Fasteners Priya L, B. Chandrasekar, S. Kapilamithran, Surendar A	1151
181	Face Mask and Social Distancing Detection in Marketable Places using Convolutional Neural Network Algorithm Geofray Paul J, Naveen Sundar G, Narmada D, Stewart Kirubakaran S	1160
182	Maximizing Power Utilization through Machine Learning and IoT based Power Flow Strategies in DC Micro Grids with Renewable Energy Resources G. Senthilkumar, Balasubbareddy Mallala, S Sivarajan, Cholleti Harish, Devareddy Harsha, Natrayan L	1166
183	Deep Learning based Channel Assignment with Load Balancing in MANET for Improved Performance R. Giri Prasad, Rishith T, C. Chanakyan, S. Prabakaran, G. Senthilkumar, Natrayan L	1172
184	Development of Intelligent Power Quality Management in Renewable Energy System in Smart Grid using Deep Learning P Rajendran, Jarabala Ranga, P. Venkata Prasad, Balasubbareddy Mallala, G. Senthilkumar, Natrayan L	1178
185	Improving Prostate Cancer Diagnosis with Weakly Supervised Learning and Radiology-Confirmed Negative MRI Data D. Mahammad Rafi, T.R. Vijaya Lakshmi, C. P. Shirley, G Ravivarman, G. Senthilkumar, Natrayan L	1183
186	Integrating the Principles of Cloud Technology in Smart Systems Development: A Framework for Developers Alexandru Tugui	1189
187	Deep Learning-based Predictive Maintenance for Industrial IoT Applications Jeba Emilyn J, Vinod Kumar D, David Samuel Azariya S, Prakash M, Sam Thamburaj A	1197
188	Real Time Identification of Harmful Birds in Agriculture Field using Computer Vision Sudhesh K M, Akhila T, Senthil Kumar Thangavel, Selvanayagi Kolandapalayam Shanmugam	1203
189	Early Glaucoma Detection through ANSAN-Infused Retinal Vessel Segmentation Keerthivasan E, Senthil Kumar Thangavel, Madhusudana Rao Nalluri, Somasundaram K, Sathyan Parthasaradhi, Meenakshi Y Dhar, Avadhani Bindu	1212
190	Hierarchical Deep Learning Framework for Multi-Scale Energy Modeling in Smart Building Environments J. Relin Francis Raj, J. EbensNikshya, S. Vinothini, R Umesh, R. Santhana Krishnan, S. Gopikumar	1219
191	Harnessing Bio-Inspired Optimization and Swarm Intelligence for Energy-Aware TinyML in IoT P. Kalyanakumar, S. Srinivasa Pandian, S. Boopalan, D. Kani Jesintha, R. Santhana Krishnan, A. Essaki Muthu	1226
192	Classification of Leukemia White Blood Cell Cancer M. Vineela, Gudibandi Durga Sravani Reddy, Ganji Karthik, N. Muthukumaran, Shaik Hussam Al Deen	1233
193	Enhanced Large Language Models	1237

	J.R.V. Jeny, G. Bharath Babu, S. Jaganmohan Reddy, N.Muthukumaran, K. Abhiram	
194	Handwritten Paragraph Text Recognition using OCR M. Venkateshwarlu, Sk. Javeed, S. Shreya, N.Muthukumaran, B. Pranay Vilas	1243
195	A Deepfake Image Classifier System for Real and Doctored Image Differentiation Juanith Mathew Thomas, V. Ebenezer, Rohan Paul Richard	1247
196	Integrating Deep Learning with Structural Bioinformatics using Next-Generation Protein Stability Prediction Jasmine Sugil A, K. Merrilance, N. Soundiraraj	1252
197	Leveraging Convolutional Neural Networks and Multimodal Imaging Data for Accurate and Early Lung Cancer Screening P.Subha Hency Jose, J.Edwinsagar, S.Abisheik, R.Nelson, M.Venkatesh, B.Keerthana	1258
198	Emotion Segregation and Analysis of Social Media Comments using Artificial Intelligence Nirzar Kulkarni, Kireet Joshi, Vishwanath Narayan Revankar, Warish Patel, Harshal Patil, Natrayan L	1265
199	Image Quality Enhancement using Deep Convolutional Network G. Mohan, Shruthi N, Yashaswini A R, Namitha A R, Deepak Kaushal, Natrayan L	1272
200	Provisioning a Pre-Trained Network Model for Extracting Text from Images Abisheck V, Abiram S, Abinesh G, Dhanapal R, Mekala N	1278
201	Establishing Cloud Security using Modern Learning Approaches Vijayan G, Dharun K, Dhinesh M, Mahalakshmi S	1283
202	Construction of Artistic Intelligence System based on Multi-View Image Generation Algorithm GuoXin Zhang, YiRan Tao	1287
203	Autonomous Driving Vision Accuracy Modeling with Neural Networks Jiyan Zhou, Jinfeng Liu	1294
204	Multi-Mobile Robot Formation Control Algorithm based on Fuzzy Mathematics Ying Shi	1301
205	Revolutionizing Stock Price Prediction with Automated Facebook Prophet Analysis E Annapoorna, Sreya V Sujil, Sreepriya S, S Abhishek, Anjali T	1307
206	Aatma Yoga: Automation of Yoga Pose Recognition and Recommendation using Deep Learning Vijaya Raghava Duppala, Harika Yadav Marepalli, Kirti Jain S, Koduru Anusha, Senthil Kumar Thangavel, B Senthil Kumar, Avadhani Bindu, Latha Satish, Jeeva Sekar	1315
207	Human Emotion Recognition in Education Learning Software Geethani V, G. Deepthi, M K Eniyan, Senthil KaumarTangavel	1323
208	Corn Leaf Disease Detection using YOLOv5 S.Santhi, Mahima. M, Vengatesan. R, Gautham Raja. M	1335
209	Deep Learning Recurrent Neural Network based Wireless Power Allocation for Hybrid TDMA-NOMA System M. Aarthy, R.Kabilan, C. Amarsingh Feroz	1339
210	Performance Analysis of Modified CNN Model in Lung Nodule Segmentation Elaine Kiruba R, G.Rajakumar, P.Malin Bruntha	1343
211	DNN based Knee Osteoarthritis Disease Detection using X-Rays Padma Preethi R, C Amarsingh Feroz, R. Kabilan	1349
212	Recognition and Monitoring of Brain Tumor Detection through Deep Learning with Image Processing Techniques S R Sowmiya, N.Sabiyath Fatima	1354

213	A Novel Two Step Computer Network Attack and Defense Strategy Qiaohua Bai	1360
214	Novel Approach for Data Encryption with Multilevel Compressive Niravkumar Gadhiya, Shrinath Tailor, SheshangDegadwala	1368
215	Exploring Methods of Mitigation against DDoS Attack in an IoT Network Piyush M. Prajapati, Priyesh P. Gandhi, SheshangDegadwala	1373
216	A Review on Different Level Data Encryption through a Compression Techniques Niravkumar Gadhiya, Shrinath Tailor, SheshangDegadwala	1378
217	Enforcing Helmet Compliance Via WhatsApp using Clustering Algorithms P. Chaitanya Swaroop, G. Hruthi Sri, V. Teja, V. Jahnavi, C S Pavan Kumar	1382
218	Enhancing Cloud Storage Security with Multi-Authority Authentication and File Encryption Jorsen Fredlin J, Rahul Vijay P, Janani S	1387
219	Review of Opportunities, Challenges and Solutions for FaaS Performance and Security Management Maria Abdulrahman, Rahaf Alqahtani, Abul Bashar	1392
220	Performance Analysis of Cryptographic Algorithms in Cloud Computing Systems Abdul Sami Mohammed , Mohammed Alfudail, Abdullah Alkhulaiwi , Abul Bashar	1399
221	Feasibility Analysis of Installing Computational Solar PV: A Tech-based Social Implications Shayla Sharmin, Tasneem Islam Promi, Fahim Faisal, Ahmad Shafiullah, Wasifa Rahman Rashmi, Mirza Muntasir Nishat	1406
222	Machine Learning Techniques for Descriptive Answer Evaluation: A Comprehensive Survey Kavita Moholkar, Manohar Chaturvedi, Aryan Jain, Ajinkya Parkhe, Karan Singh	1412
223	Web Data Mining for Cyber Security Threat Detection Tejal BhimrajGhuge, Sammip Sunil Biradar	1420
224	Notes Application using Android Studio and Cloud-based Data Management Ratnam Dodda, Maneesh Reddy Yanala, Srija Pavishetti	1427
225	Design and Analysis of Wide-Band 2-PORT MIMO Antenna for 5G Wireless Applications V. Koushick, D. Rajesh Kumar, Shaik Hussain Basha, Syed Asadh, Shaik Mohammed Waseem Khadri	1437
226	Strategic Business Insights through Enhanced Financial Sentiment Analysis: A Fine-Tuned Llama 2 Approach Pratiksha Agarwal, Arun Gupta	1446
227	Efficient Path Planning for Wireless Sensor Networks: Minimizing Exposure with a Modified Bat Algorithm K.Jagadeesh, A.V. Sai pranavkumar, Arrchit Kumar, J.Pavan Srikar, P.V.Sivaram Babu, S.S. Aravinth	1454
228	A Survey on Image Encryption using Elliptic Curve Cryptography Mothukuri Mani Deep, Mamidi Naveen Durga Praveen, Patnana Sai Deekshith, Perla Viswa Teja, Sathish Kumar Kannaiah, K V Prasad	1460
229	Enhancing Data Privacy through a Secure Data Hiding Approach Integrated with Lossless Compression Manjula M, Kakoli Bora, Shaila S G, Skanda N Raj, Thilak R, Akanksha Kanchireddy	1465
230	Direct Current Motor Malfunction Detection Through Metastatic Optimized Audio Analysis and Classification Aleksandra Bozovic, Luka Jovanovic, Eleonora Desnica, Ljiljana Radovanovic,	1471

	Miodrag Zivkovic, Nebojsa Bacanin	
231	Secure Data Transfer onto Cloud Environment using Diffie-Hellman Key Exchange Algorithm Aayushi Bhansali, Juluru Harisha, Garima Sinha	1479
232	Investigating Novel Approaches to Privacy-Aware Healthcare Data Sharing in Cloud Environment Sakthidevi. I, G. Fathima	1485
233	Homomorphic Encryption and its Applications in Multi-Cloud Security Aahash Kamble, Moses MakueiJiet, Chetan Puri	1493
234	Decentralized Stock Exchange using Blockchain Network S.L.Jany Shabu, Ronie Joe.J, Pooja R.A	1500
235	Overview of 5G Antenna and Vector Network Analyzer for Communication Systems J.Salai Thillai Thilagam, M.V.R.Vittal, P.C.Praveen Kumar, S.Siva Reddy, L.L.Prasanna Kumar	1506
236	Detection of SQL Injection Attacks M.Thilakraj, S.Anupriya, M.M.Cibi, A.Divya	1515
237	Transparency and Trust in Organ Donation through Blockchain Technology Anshika Bharti, Megha Kumari, T.Prem Jacob	1521
238	Children's Safety Application with Secure Tracking Device Anant B Suryavanshi, Viren S Jadhav, Keertana K Iyer, Saniya S Jadhav, Shretaj Jadhav, Sohan Jadhav	1527
239	A Comparative Study of Classification Models for Cyberbullying Detection Mritunjaykumar Ojha, Nilesh M Patil, Manuj Joshi	1531
240	Block-Chain-based Cryptocurrency Security Analysis Technology - A Review Gayatri Thakre, Saniya Saratkar, Rohini Raut, Aarti Chaudhari, Trupti Thute, Prateek Verma	1536
241	Ensemble Techniques for Malicious Threat Detection Kiran S Raj, Krishna Tej, Nithin Kumar S, Senthil Kumar Thangavel, Sulakshan Vajipayajula	1543
242	Enhancing Healthcare: Incorporating Blockchain into Electronic Health Records Saniya Saratkar, Meher Langote, Aarti Chaudhari, Trupti Thute, Rohini Raut, Gayatri Thakre	1546
243	Blockchain-Enabled Supply Chain Management for Authenticating Products using QR with Firebase Integration Sanjay Krishna S R, Pon Raja Prabhu S K, T.Prem Jacob	1552
244	Design scheme of Copyright Management System based on Cryptography and Digital Watermarking Shirley C P , Sujith P	1556
245	Blockchain based Healthcare Data Analyst Gokanakonda Tejaswini, Suram Neha, A. Mary Posonia, S. Prince Mary, T.Bernatin	1563
246	Enhancing Trust in Currency Transactions: Currency Note Authentication with Transfer Learning Samuel Rufus J, Sai Kishore S, Lakshmi Priya S	1569
247	Tracking of Food Products from Source to Consumption, Enhancing Transparency and Food Safety using Blockchain S. Viswa Surya Kumar, Vanka Sai Avinash	1573
248	Digital Twins for Automotive Predictive Maintenance E.Mohanraj, Eniyavan N, Sidarth S, Sridharan S	1579
249	Secure and Efficient Data Synchronization Techniques for Digital Twins in Fog-Edge Cloud Environments S. Jegadeesan, Hayvita R.K, Nishath A.G, S. Ramalakshmi, R. Santhana Krishnan, A. Essaki Muthu	1585

250	Design of Recursive Decoding based Coupled Turbo Encoder-Decoder for VLSI Applications Rajni Wamankar, Ashish Raghuwanshi	1591
251	Smart Contracts and Tokenization: Revolutionizing Real Estate Transactions with Blockchain Technology Vedant Jayesh Oza, Atharva Nikte, Viral Bhanushali, Uday Rote	1598
252	Methodologies for Prevention of Fraudsters in Online Payment Systems: A Review Vishakha Shirke, Amrita A. Manjarekar, Chetan J. Awati	1605
253	Adaptive Silo Networks with Cloud Computing and Reinforcement Learning for Responsive Grain Storage C. Jehan, P. S. Kumares, M. Raja Suguna, R. Anto Arockia Rosaline, Suguna M, S. Murugan	1611
254	Cloud-Integrated Clean Fuel Generation for Solar-Hydrogen Production with Wireless Sensor Networks N. Naveenkumar, V. Sridevi, R. Bharathi, Nilamadhab Mishra, S. Murugan, S. Velmurugan	1617
255	Enabling DNS Security through Permissioned Blockchain Duggineni Veeraiah, Shaik Johnny Basha, Shaik Beebi Fathima, Yalavarthi Saraswathi Satwika	1623
256	Computer Network Information Retrieval Algorithm Integrating Data Structure Fusion Optimization Jiang Guoming	1632
257	Phishing website Detection using Natural Language Processing E. Mariappan, C. Jean Celia Grace, S. Joe Patrick Gnanaraj, D. Elizabeth Paulsyah, N. Muthukumaran	1639
258	A Hybrid Approach of Spider Monkey Optimization with Taylor Series for Optimal Routing in Wireless Sensor Network M. Sindhuja	1644
259	Video Automation using Selenium and Cucumber Framework Y. Sangeetha, Shaik. Affroz, Gudavalli Vishnu Vardhan	1651
260	Hardware Setup Investigation of Transferrable Solar Home-based Lighting System using IoT Vinoth Kumar K, M Vijayalakshmi, R Meenal, Abhay Shetty K N, Infancia Pragna, Bharath T Anuj Pratap Singh	1655
261	A Review on Implementation of Wearable Devices in Healthcare Saurabh Suman, Vishal Kumar Choudhary, Utkarsha Pacharaney, Abhishek Kumar, Dhiraj Kumar, Rahul Raushan	1660
262	IoT-SafeRails: Revolutionizing Railway Collision Avoidance Technology S Janani, S Vijayaram, R C Vijayganes	1666
263	Designing a Resilient SDN Framework with IoT Integration for Enhanced Network Reliability S. Jegadeesan, S. S. Aishwarya, R. G. Harshini, A. Justin Diraviam, S. Sujatha, R. Santhana Krishnan	1674
264	Internet of Things Enabled Gas Leakage Detection over Industrial Areas using Powerful MQ Series Sensor and Controller Rahul Jalinder Jadhav, P. Radhakrishnan, Dattatraya Arun Jadhav, B Ashreetha, J.Divya, Saptarshi Mukherjee	1679
265	Smart Ride Recorder using IoT S. Rajashree, Sudharshan R, Sugeeshkumar M	1687
266	Revolutionizing Farming: Experimental Design and Development of NodeMCU Assisted IoT based Smart Irrigation System B.Geetha, Anita Soni, M Basha, S. John Pimo, K.Mohana Lakshmi, K.Sridevi	1691
267	Edge Computing and Federated Learning for Real-Time Anomaly Detection in	1699

	Industrial Internet of Things (IIoT) Shivkumar V Haldikar, Omer Farook Mohideen Abdul Kader, Roop Kumar Yekollu	
268	The Role of ICT in Collaborative Creation of Public Policies: Crowdsourcing Policymaking Alfonso Renato Vargas-Murillo, Ilda Nadia Monica de la Asuncion Pari-Bedoya, Cintya Amelia Delgado-Chávez, Edison Menacho Taipe, Claudia Katherine Reyes Cuba, Luis Carlos Polo Chavarri	1704
269	VitalLink: NodeMCU IoT Solution for Vital Signs Surveillance Ramitha Rajeswari J, Reddy Chamanthi, Mary Posonia A, Albert Mayan J	1709
270	Exploring the Experimental Possibilities of Solar Powered Smart Home Design based on Internet of Things Jayapreethi Manoharan, S.Thangamayan	1715
271	Internet of Things Assisted Human Detection and Rescue Robot: A Game Changer in the Disaster Environment Md Jawed Akhtar, Manmohan Singh, Sajja Suneel, Anand Sutar, A.Periya Nayaki, Nikhat Raza khan	1722
272	QIRA: A Quantum-Inspired Cluster Head Selection Algorithm for Wireless Sensor Networks M. Sindhuja	1729
273	Anomaly Detection of Patient Data in Public Hospital used Internet of Things Sensors Evizal Abdul Kadir, Lenni Dianna Putri, Sri Listia Rosa, Apri Siswanto, Farhan Assidiqi, Muhammad Fikri Evizal	1734
274	Voice-Driven Intelligence on Wheels: A Speech-based Smart Vehicle Powered by IoT Seelam Nagarjuna Reddy, Adirala Samuel, Golla Sai Teja, Kowthavarapu Bindu	1740
275	The Role of IoT in Enhancing Public Safety in Smart Cities Sahar Ebadinezhad, Mutaz_Salah_Mohammed, Zainab Deen, Fulbert MilrichKiminou Nsimba	1748
276	IoT-Enabled Smart Waste Management: A Comprehensive Study on Sensor Technologies and Implementation Strategies G. RamSankar, G. Fathima	1755
277	Enhancing Parking Infrastructure with Internet of Things and Pressure Plate Technology Vikas Nandeshwar, Sara S. Talathi, Vaishnavi K. Sarode, Rudrani S. Sarangdhar, Shlok V. Sarawade, Shridhar S. Sarda	1765
278	Real-Time Smoke Detection Inside Cars using Internet of Things G.V.Rajya Lakshmi, Sanagiri Durga Bhavani, Meesala Durga Prasad, Bezawada Tarun Kumar	1769
279	Smart Trolley: A Smart Solution for Theft Prevention and Social Distancing in Shopping Deepika Shukla, Monika Shah	1775
280	Transforming Wireless Communication Systems: A Review of AI based TST Coding Techniques Prabhakara Rao Kapula, Sanjay Dubey, B R Sanjeeva Reddy, Cherukuri Jayanth, P Gahitha, B Mohit	1783
281	Real-Time Glass Recycling Quality Assurance and Contamination Reduction with IoT and Random Forest algorithm K. Balasubadra, B. Shadaksharappa, Senthil Kumar Seeni, V. Sridevi, Thamizhamuthu R, C. Srinivasan	1788
282	Optimizing IoT Data Transmission in Smart Agriculture using Cloud Computing K.C.Mohanraj, S.Praveenkumar, A.R.Shreenivasan, S.Vennila	1794
283	YOLO-Driven Robotic System for Automated Object Singulation	1800

	Anant Kaulage, Sakshee Agrawal, Sakshi Jagdale, Pranav Salunkhe, Raj Salunkhe	
284	Development of Emission Monitoring and Tracking System using IoT and RUBY-ON-RAILS P Jeevananthan, S Hariharan, K M Kannan, T Sri Aadalarasau, V Kabilan	1806
285	Bus Tracking System using Mobile GPS Technology Jayaraam. S P, Jayakumar. D, B.Sandhiya, M.Vanathi, J.Karthika	1811
286	An IoT Framework for Effective Railway Looping and Obstacles Detection Sanjana D N, Soumya V, Sneha L, Shama G, Pooja M R	1814
287	Enhancing Power Distribution Network : An Advanced Underground Cable Fault Monitoring System using IoT Minal Yadavrao Barhate, Sarthak Sujitkumar Deshmukh, Anup Dnyaneshwar Deshmukh, Madhura Vilas Deshmukh, Sanjay Jeetendra Deshmukh, Vinay Prabhakar Deshmukh	1819
288	Design and Development of a Miniature Home Automation System using IoT and Android Application Praful V. Nandankar, Vipashikansal, G. Sunitha Rekha, Shubhi Jain, Harshal Patil, Daxa Vekariya	1824
289	Big Data Analysis on Intelligent Traffic Surveillance by Incorporating Sensors and IoT Devices on Roads A Devi, Akanksha kapruwan, Manish Shrimali, VengalapudiAppalakonda, Ramya Maranan, Amit Barve	1830
290	An IIoT Base Platform for Industrial Fault Detection: Implementation and Performance Analysis - A Comprehensive Review Himanshu Kitey, Pankaj Chandankhde, Kapil Jajulwar	1836
291	Robotic Restroom Hygiene Solutions with IoT and Recurrent Neural Networks for Clean Facilities A. Kathija Nasreen, M. Shenbagapriya, Senthil Kumar Seeni, Parthiban Veda, B. Meenakshi, S. Murugan	1842
292	Securing Chemical Processing Plants using Isolation Forest Algorithm and IoT Sensors for Leakage Prevention Thanigaivelu P S, Chitra Sabapathy Ranganathan, S. Priya, R M Asha, S. Murugan, T. R. Ganesh Babu	1848
293	Hybrid Fault Prediction and Recovery Framework for VANETs using AI and Federated IoT P. Ebby Darney, N. Vallileka, Sumitha Manoj, A. Vegi Fernando, R. Santhana Krishnan , S. Ram Prasath	1854
294	Arduino Uno-based Adaptive Parking System Siddharth Bhorge, Yuvraj Jadhav, Krushna Kalamkar, Prathmesh Katepallewar	1861
295	Intelligent IoT-based Water Heater Control System with Safety Features and Interactive Chatbot Integration Vaishali Jabade, Shrihari Mohole, Yash Pahade, Kshitij Gedam, Rahul Diware	1865
296	Enhancing IoT-Enabled Healthcare with Genetic-based Encryption and Authentication for Secure and Efficient Wireless Data Transmission Satyanarayan Padhy, T.R. Vijaya Lakshmi, Shahnawaz Ahmad, Sophia S, G. Senthilkumar, Natrayan L	1873
297	IoT based Environment Monitoring in Industries for Employee Safety Siva Pradeep P, Kalirajan K, Sugun M, Thirukkumaran R, Tharaneesh C S	1879
298	Design and Implementation of Seasonal based Auto Irrigation System using Intelligent Controller Karparthi Uday, R. Shanmugasundaram, Lalit Bhanwrela, Priya Rathore, Rajesh S, G. Venkateswarlu	1884
299	Implementation of Block Chain, IoT and Role-basis Data Access Control (RBAC) for Intelligent Manufacturing	1888

	Rajanish Kumar Kaushal, S M Ravi Kumar, Pandeewaran Chellaiah, Sumit Pundir, Ramya Maranan, Nallamkrishnaiah	
300	IoT based Elbow Joint Rehabilitation Monitoring System James Deva Koresh H, Anand Karthick S, Gokul Prakash G, Gokulnath E, Ashwin S	1894
301	Refining Automation in Power Dispatching Systems: A Cloud Optimization Investigation Zhang Chi, Zeng Ciling, Zeng Weiwei	1899
302	Improved Energy Harvesting in Photovoltaic Systems using SEPIC Converter L.Selvaraj, M.Vaigundamoorthi, M.Siva Ramkumar	1905
303	Development of Green Computing Through Power Management in Wireless Networks using Machine Learning S R Raja, Hemlata Arya, Ramya.D, S Sivakumar, Arun Kumar Arigela, Nookala Venu	1911
304	Fingerprint Authentication System with Feature Detection using Descriptor Analysis Mohd Imran, Mohammad Sarosh Umar	1917
305	Development of Control Systems for a Two-Tank System using IMC and MPC Methods Abhijit Singh Bhakuni, Sandeep Kumar Sunori, Amit Mittal, Pradeep Juneja, Dikendra Verma	1924
306	Air Quality Index Prediction using Linear Regression and ANFIS Sandeep Kumar Sunori, Dikendra Verma, Pushpa Bhakuni Negi, Pradeep Juneja	1929
307	Predicting Hydrogen Fuel Cell Capacity using Supervised Learning Models Vinay NagaradDasavandi Krishnamurthy, SheshangDegadwala, Dhairya Vyas	1934
308	Ergonomical Investigation of Musculoskeletal Distress during Water-Barrel Lifting using sEMG Sensors and MATLAB Ravisankar.B, Shankar.S, Abbas.G, Gopalakrishnan.M, Gugapriyan.S, Nadin.L	1939
309	A Novel Strategy to Estimate and Manage the Power Consumption of Household Appliances M. R. Mano Jemila, Pushpalatha K S, Mithuna H R, Supriya C, K.T. Maheswari, Rajendiran M	1949
310	A Forecast Model on Power Consumption using Ensemble Learning for Smart Grid Systems Thiyagesan M, Nitin Kulshrestha, Deshveer, Vanitha R , Manzoore Elahi M. Soudaga, Joshuva Arockia Dhanraj	1955
311	Experimental Design of Electricity Theft Detection and Alert System using Arduino Assisted Controller and Smart Sensors Azigya Aryan, Manmohan Singh, Neelam Labhade-Kumar, MarepalliRadha, Jarabala Ranga, Nagaraj Rathod	1961
312	Implementation of Personal Safety Equipment Tracking & Detection by DeepSORT& YOLOv8 Mahin Khan Mahadi, RummanurRahad, Md Sadi Mobassir, Asma Rahman, Ahmad Shafiullah, Mirza Muntasir Nishat	1969
313	Satellite Image Denoising using Parameter Optimization with Bilateral Filter Prema P, Ramalingam V V	1975
314	Analysis of Semiconductor Chip Performance using Medallion Architecture S.L.Jany Shabu, Nirmal Kumar.P, Rohith Kumar.S, M.Maheswari, J.Refonaa	1980
315	Smart Street Light with Power Saving Function and Fault Detection Ayush Dongardive, Prasanna Fuse, Preeti Desai, Snehal Elkiwar, Gayatri Dere, Ashutosh Marathe	1989
316	Crisis Prevention and Surveillance System for Three-Phase Transmission Line Faults Jegadeesh Kumar R, Nithishkumar T, Pradeep Kumar D, Aravindhan N	1995

317	Improved BMS: A Smart Electric Vehicle Design based on an Intelligent Battery Management System S Bhuvaneswari, Anju Mohan, Asha Sundaram	1999
318	Development of Health Monitoring Wearable Device using ESP32 Mahesh Pawar, Shantanu Rusia, Sarang Tijare, Anmol Gadpalliwar, Mayank Ashtekar, Rahul Pichkate	2007
319	Implementation of a PnR Flow at Block level to Achieve the High Utilisation Rate PandiarajKadarkarai, Ramesh Muthusamy, Dhandlamudi Jaswanth Sai, Nageli Sravan Kumar naidu, Kalava Naveen, ChillaraJogeswararao	2013
320	Graph Neural Networks for Hyper-Accurate Solar Power Forecasting V. Manimegalai, V. Deekshitha, T. Dhivya Shri, D. Harini, V. Mohanapriya, A. Elakya	2020
321	Design of GaN HEMT Class AB Amplifier at 4.48 GHz for 5G Connectivity I.S. Akila, S. M. Logesh Raj, R. Adhavan, K. S. Vignesh	2026
322	Land Use and Land Cover Change Detection using Google Earth Engine Jagannadham Teja, Radhesyam Vaddi, Kesireddy Lakshmika, Parasa Nirupama	2034
323	GuardianForest: Cloud-Powered Patient Health Assurance through Isolation Forests M. Subramanian, K. Gokulakrishnan, B. Vijaya Nirmala, S. Vijay Shankar, R. Santhana Krishnan, G. Vinoth Rajkumar	2039
324	Occupancy based Cost efficient Campus Energy Management System Madhan Raj .B, Ashwin.S,Harish.R, Manishwar.M, G.Sophia Jasmine	2047
325	Wireless Monitoring and Controlling of Telecom DC-Power System Gregory Ratcliff, Meghna Shinde	2052
326	Development of Hybrid Energy Source Electric Vehicles with DC-DC Converters Sravani Parvathareddy, Vijaykumar Sidramappa Biradar, Gaurav Sahu, M A Stephenraj, V.V.Vineeth, Srinivasa Acharya	2056
327	Microinverter for PV Grid Integration Pradnya Patil, Sneha Patil	2062
328	Design and Performance Evaluation of a Pressure Swing Zeolite Oxygen Concentrator Shital Pawar, Kunal Pawar, Rohan Gujar	2067
329	Design and Implementation of Low Power, High Speed Flash ADC using Double Tail Comparator Sridevi Chitti, Sreeja Reddy Nandikonda, Satwika Kancha, Sathish Gollena, SuchithJannu	2072
330	A Novel Approach to ROI based Medical Image Compression using Lifting Wavelets S. Rosaline, D.Paulraj	2077
331	LSTM Sequence to Sequence Model for Dynamic Title GENERATION Swati Shilaskar, Prerna Saitwal, Pranav Raundal, Manas Rathi	2083
332	Comprehensive Assistive Mobility System for the Visually Impaired: The Smart Blind Stick with Ultrasonic Sensor Solution Illakiya N, V. Loganathan	2088
333	Development of an Intelligent Fuel Monitoring and Theft Detection System Equipped with GPS & GSM Integration, State of Charge Monitoring and Realtime Alarm Generation Sri Chaithanya Mathi, Snehith Reddy Jambula, Dev Aakarsh Surat, Madhu Charan Maridinapalli, Manitha P V , V. Sailaja	2095
334	Energy Harvesting from Vehicle Accelerated Wind Lokesh Khedekar, Bhumika Divate, Krishna Endela, Aditi Dyavanpalli, Digvijay Bote, Atharv Ekbote	2103

335	Lithium – Ion Battery Degradation and Estimation of Battery Parameters T.Gunasekar, P.Kokila, Rithanya N, Rinthita T, Shreenithi M, Ranjith V P	2109
336	Novel Mechanized Multiple Input Comparator Shital Pawar, Shivani Dhumal, Divyam Gupta, PrashikDupare, Rutvik Ghode	2115
337	Outdoor Automatic Air Purification Redefined with Air Quality Monitor Vijayalakshmi ch, A.Srividya, S.Madhavi, B.Jaya Bharathi, N.Rajeswari	2122
338	Low-Cost, High-Speed Hybrid Solar Powered Auto Geared Electric Bicycle Anand Sutar, Kantilal Rane, Swati Mahamuni, Tanushree Sarkar, Moon Banerjee, B Lakshmana Swamy	2126
339	Design and Development of RFID based Unmanned Smart Ration Distribution System K.P. Suresh, R.Dhivyadharshini, A.B.Keerthi Varshan, A.Arun, M.Mohamed Umar Ali	2130
340	Optimizing the Design and Development of PMSG-based Wind Energy Conversion System Sivaram Krishnan M, Purusothaman G V, Sri Hari B, Abishiddu M S, Vasanth M	2136
341	Optimization of Traffic and Time Control with Sensor-Driven Transmission Control System using MANET and Machine Learning N. Kathirvel, R.Vidyalakshmi, A.Raihana, Mohanraj A, S. Uma, N. Saranya	2141
342	Enhancing Predictive Modeling in Power Plants: A Comparative Analysis of ANFIS and ANN for Electrical Energy Output Estimation C Vimala, N jayanthi, P Vijayalakshmi, D Umamaheswari, M Harikumar, S Dinesh Mukilan	2147
343	Enhancing Authentication Security: Emoji based Graphical Passwords in Universal Three-Factor Authentication Systems Karthik Sai Charan Ayineni, Pasumarthi Madhava Venkata Pranav, A. Vijay Vasanth	2152
344	Revolutionizing EV Charging: Mobile Power Solutions with SOFC Technology A . Elakya, J. Suba Geetha, M . Sundara Moorthy, S . Surya	2160
345	Mobility Plus: Voice-Controlled Wheelchair with Health Monitoring System and Oxygen Cylinder Integration Vaishali Jabade, Harsh Shrivastav, Jash Rupani, Nikita Harak	2167
346	Magnetic Levitation based Wireless Power Transfer for Electric Vehicle Peer Mydeen Shahil M, P. Leninpugalhanthi, Prakash P, Nithilan M, T. Bharani Prakash	2172