

2024 International Conference on Knowledge Engineering and Communication Systems (ICKECS 2024)

**Chikkaballapur, India
18-19 April 2024**

Pages 1-838



**IEEE Catalog Number: CFP24CW9-POD
ISBN: 979-8-3503-5969-5**

**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:	CFP24CW9-POD
ISBN (Print-On-Demand):	979-8-3503-5969-5
ISBN (Online):	979-8-3503-5968-8

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Automated Text Extraction and Classification from Images Using Multi-Layer Perceptron(MLP).....	1
<i>A J V MadhuMohan, Hemanth Raghu, R Priyanka, Sonia Maria Dsouza, K B Teena, Shravya Shetty</i>	
Single Source Shortest Path Algorithm - Based on Reverse Tracking from Destination, Using Dynamic Programming	7
<i>M Srihari, L Suresh, Bhagyashree Ambore, K Sunitha</i>	
Alzhemy: A Cloud Enabled Machine Learning Model for Alzheimer’s Disease Prediction.....	11
<i>K Aditya Shastry, M Mohan, B A Manjunatha, Aditya Trivedi</i>	
From Pixels to Payouts -A Satellite Based Solution.....	17
<i>R S S V Deepthi, A Leela Priya, D Revanth, K Ajay, M Madhavi</i>	
Assessing the Capture of SSVEP Components from EEG Signals for Efficient Target Detection.....	22
<i>K R Swetha, G. K Ravikumar, S. V Shashikala</i>	
Continuous Integration, Testing Deployment and Delivery in Devops	28
<i>E Naresh, S V N Murthy, N. Sreenivasa, Seshaiiah Merikapudi, C R Rakhi Krishna</i>	
DevOps Life Cycle Implementation on Real Life Scenarios.....	32
<i>E Naresh, S V N Murthy, Piyush Kumar Pareek, Kadiri Thirupal Reddy, S L Shiva Darshan, B P Pradeep Kumar</i>	
An Empirical Study of Image Based Steganography and Watermarking	35
<i>R Padma, Vamsidhar Yendapalli, A P Jyothi</i>	
Transmission Control Protocol Speculation Design Using Machine Learning Strategy	40
<i>SVN Murthy, R Nagesh, Anand Tilagul, E Naresh, G M Srinath, J Anand Babu</i>	
Smart Traffic Management System for Efficient Mobility and Emergency Response.....	45
<i>Farhain Sultana, Ritika Bhardwaj, Rohan N Kumar, Ruchir Gaur, Sahana.P. Shankar, Aryan Bharadwaj</i>	
Density-Based Traffic Control System Using IoT and Machine Learning.....	50
<i>Husna Tabassum, M Mohammed Ameer, Mohammed Murshid Alam, Mohammed Yaseen Sharieff, Naveed Ahamed, Ayesha Anjum</i>	
Threat Hunting in System Using Log Analysis	56
<i>A P Jyothi, Chaithanya, Anirudh Shankar, Jr Ashwath Narayan, Aishwary Anurag, Skanda S Kumar</i>	
Bioacoustics Signal Authentication for E-Medical Records Using Blockchain	62
<i>S Sowjanya, Induru Sunnihith Reddy, Cheruku Muralikrishna, Thota Sai Lalith Prasad, Pundru Chandra Shaker Reddy, Vikas Sharma</i>	
Smart Metro Railway Ticketing System.....	68
<i>N S Nandini, N Bhoomika, K V Lavanya, H L Monika, H M Suchithra</i>	
An Reinforced PSO Algorithm with SJF-MMBF for Allocating Work in Cloud Computing	74
<i>S. Rekha, D. Mohanapriya, S. Selvi, C.V. Banupriya, M. Gobi</i>	

Ozone Concentration Forecasting: Assessing the Efficacy of MLP, DNN, and XGBoost in Environmental Bench-AQ Dataset.....	80
<i>N Mohamed Abdul Kader Jailani, Geeta C Mara</i>	
Enhancing Accuracy in Social Media Sentiment Analysis Through Comparative Studies Using Machine Learning Techniques.....	85
<i>Kottala Sri Yogi, V Dankan Gowda, D Sindhu, Hariprasad Soni, Saptarshi Mukherjee, G.C Madhu</i>	
Life Expectancy Prediction and Diet Recommendation System for Cardiovascular and Diabetes Disease Using Machine Learning.....	91
<i>K Lakshmi, K Deeba, Vani Harave, Sneha Bharti</i>	
Performance of MIMO-GFDM Scheme for Future Wireless Communications.....	99
<i>R. Anil Kumar, R. Prakash Kumar, Sarala Patchala, U. Sreenivasulu</i>	
Enhanced Automatic Identification of Kidney Cyst, Stone and Tumor Using Deep Learning.....	105
<i>Prasad Naik Hamsavath, G.K Ravi Kumar, Pranjala Tiwari</i>	
Deep Learning-Based Predictive Skin Disease Diagnosis and Analysis.....	112
<i>Manikundan Karnati, Pavan Sai, Rohith Kumar Pittala, K. Radhika, K. Sugamya</i>	
Review on Various Techniques for Wildlife Monitoring and Alerting Systems.....	118
<i>Jabili Bandaru, Nikitha Basa, P Raghavendra, A. Sirisha</i>	
Automatic Detection of Driver Drowsiness and Distraction for Public Safety: Deep Learning Based Approach.....	123
<i>K. Jaspin, G S Joshna, N S Pooja Lakshmi</i>	
Network Intrusion Detection System Analytics Using Memory-Based Learning Approaches.....	129
<i>Adlin Sheeba, N Karthika, R K Prathiksha</i>	
UAV-Assisted Cellular Connectivity for On-Ground Devices: 3D Placement and Trajectory Optimization Problem.....	134
<i>Gs Aditi, Aswin Shaiju, Saurav Dey, Chetan Reddy Bandi, Roopa Ravish</i>	
Energy Efficient Multi Objective Clustering in Wireless Sensor Network.....	140
<i>P. Mithun, K S Haarini, B Hemalathaa, S. Janagiraman, S. Muthukumar</i>	
IntelliCampus: AI-Powered College Portal with Auto-Scheduler and News Sharing.....	147
<i>P Mithun, R Delish Kumar, S Dikshit</i>	
Cardio-Vascular Disease Prediction Using Machine Learning.....	158
<i>H H Shilpa, A P Jyothi</i>	
Video Morphing Attack Detection Using Convolutional Neural Networks on Deep Fake Algorithm.....	164
<i>S Boovaneswari, N. Palanivel, Sri NihilRS, R Madhavan, A Daniyel</i>	
MIMO Antenna Design Using SR and DGS Based Decoupling Network.....	170
<i>C G Revati, Rajendra R Patil</i>	
Novel Deep Clustering Network Technique for Passive Microwave Rainfall Infrared Images Assessment of Tropical Cyclones.....	175
<i>Govardhana Meti, G. K Ravi Kumar, Gudihalli Savitha Swamy</i>	
Exploring Depression Through Social Media: A Textual Analysis.....	182
<i>R Bhavya, Roja Ramani, G.Leela Gowtham Royal, G. Manideep, Gautham Sridhar</i>	

Power Factor Correction Using PLC	188
<i>Mayuri B. Gawande, Saurabh D. Bangar, Neha M. Wagh, Takshashila B. Bele</i>	
ZigBee Empowered Wireless Paging for Seamless WPAN Communication	193
<i>B S Balaji, S V Sandeep, S Nischitha, B S Raghu Kumar</i>	
Redescribing Images: A Novel Approach Using Vision Transformer and Image Enhancement Techniques.....	197
<i>Darapu Uma, M.Kamala Kumari</i>	
POPCORN ATTACK: Intrusion into CAN Remotely Through Android Application of Infotainment System	204
<i>Abhinav R Bharadwaj, M K Akhilesh, H A Abhiram, Roopa Ravish</i>	
AI Based System to Detect Uterine Cancer Using Ultrasound Images	210
<i>S. Maheswari, M. Ponnibala, S. Govindaraj, S. N. Priyadharshini, T. Shobika, D. Swetha</i>	
Generation of Electricity Using Footsteps, Using Piezoelectric Sensors Under Floor Tiles	219
<i>R Ravi Kiran, G S Tejas, J Uday Kiran, H Ujwala</i>	
Graph-Driven Topic Discovery: Extracting Insights from Citation Networks	222
<i>Sandeep Kumar Rachamadugu, T.P Pushphavathi</i>	
Performance Evaluation of Deep Learning Models for Predicting Alzheimer's	228
<i>C S Parthasarathy, Meeradevi, B J Sowmya, K Kishan, S Tharun Kumar, BS Varun Kumar</i>	
ANN Based Handwritten Maths Equation Solving System	235
<i>R C Sreevidya, A N Ramya Shree, N Sajitha</i>	
From Concept to Reality: IoT-Based Electric Control Systems in Home Automation.....	240
<i>Omkar Chavan, Tanmay Chandrakant Tendolkar, Avinash Maruti Anandache, Prathamesh Rajesh Lohar, Salma Shahapur, Shahak Patil</i>	
Hand Gesture Based Computer Screen Control	246
<i>A N Ramya Shree, R C Sreevidya, K Bhavanishankar, Aryan Prasad, G Aishwarya, Akash Devappa</i>	
Venti-Smart: Crafting Smart Ventilators with IoT Technology	252
<i>C. P Mallikarjuna Gowda, B M Bellishree, V Janhavi, M C Prakruthi, Riya Pawar</i>	
Enhancing Network Resilience Against DDoS Attacks: Critical Node Identification Using Load Based K-Shell Analysis	258
<i>L Manjula, G T Raju</i>	
A Cutting-Edge Approach to Elevate the Quality of Service in Cloud Based Content Delivery Network.....	262
<i>D Priyanka, Channakrishnaraju</i>	
Person Recognition Using Ear Images Based on Fractional Gannet Sparrow Optimization Enabled Deep Learning	269
<i>M N Sowmya, Keshava Prasanna</i>	
Multi-Privacy Level Encryption Technique for Secure Cloud-Based Data Repositories	276
<i>S Sunil Kumar Aithal, Rajashree</i>	

Optimizing Spatial Queries in NoSQL Databases: A Comparative Analysis of B-Tree, Hashed, and Geospatial Indexing Techniques.....	282
<i>Abhishek Kaushik, Tr Vinay, Divyansh Mishra, Ankit U Patil</i>	
IoT and Wireless Sensor Network Based Autonomous Farming Robot.....	288
<i>K R Swetha, D Monisha, H B Thejaswini, K P Nikhil, N U Rahul</i>	
Classification of News Category Using Contextual Features.....	294
<i>M Jahnavi, K Chandana, Priyanka C Nair, K Dheeraj</i>	
Robust Intrusion Detection Systems: Evaluating Classical and Ensemble Models with Chi-Square Feature Selection	301
<i>Karamala Rooshita, N. V. Vyshnavi, Nara R Sanjana Chowdary, Priyanka C Nair, Keerthana Sreekanth</i>	
Categorization and Interpretation of Satellite Image Scenes Employing AI Approaches.....	306
<i>Manjula Gururaj Rao, Shaun Noronha, Ritesh Shetty, B M Ahamed Shafeeq, K Hemant Kumar Reddy, Ch Sree Kumar</i>	
A Novel Spatial Relational Features Generation Using Encoded Geometry for Character Recognition	312
<i>Narasimha Reddy Soora, Atul Thakare, Swathy Vodithala</i>	
Enhancing VoIP Over Protocols Using Codec.....	316
<i>S Thangam, Karamala Rooshita, N. V. Vyshanvi, Nara R Sanjana Chowdary, Konda V S Harshith Kumar</i>	
Feature Selection-Based Hybrid DL Model for Detecting the Unwanted Land Using Satellite Data	323
<i>M. Jaya Sunitha, V Sreekanth Reddy, K.G. Vishnu Charan, L. Sujith, E Jaya Chandrika, Muddasir Patel</i>	
Curative Diagnostic Tool for the Calculation Paediatric Anaesthesia Dosages : NISCHETHANA SAHAYAK SAHAYAK-App for Pediatric Anaesthesia.....	330
<i>Madhura Gangaiah, R Brunda, Niharika Shailendra, Ashutosh Kumar Jha, Charan Sri Hari, Shivangi Gupta</i>	
Ecoaquatics: Feed Efficient Fish Health Monitoring System.....	335
<i>Dinesh Murali Nandyala, Sai Chandu Bathula</i>	
A Survey on Improved Feature Engineering Assisted Multi-Constraints Outlier Analysis Model for Heuristic Driven K-Means Clustering	340
<i>Durga Prasad Palaparathi, S Sampath</i>	
Enhancing Cloud Image Retrieval Efficiency Through Secure Optimization.....	344
<i>N. BalaKrishna, M. Sakthivel, G.Sai Ushasri, J.Naga Thanmai, K.Bharath Kumar, G.Venkaiah Swamy</i>	
Deep Attention Learning for Extreme Minority Class Intrusion Detection in Network Traffic	349
<i>K Ghamyia, K Prema, Padamu Sateesh Kumar, P S Sagarika Reddy, Pandillapalle Charan Kumar Reddy, Maddipattla Tej Pal Naidu</i>	
Human Activity Recognition with Smartphones Using Machine Learning Algorithm	358
<i>K Ghamyia, K Prema, D Abhinay Reddy, K Varaprasad, K Navyasri Sai, S Tejesh</i>	
Tackling Depression Detection with Deep Learning a Hybrid Model.....	363
<i>N. BalaKrishna, R. Sai Vikas Reddy, S. Geethika, M. Likhith, N. Lasya Priya, S H. Harsha</i>	

Employing Multifaceted Bioinformatics Strategies for the Discovery of Novel ASK1 Inhibitors Targeting Neurodegenerative Disorders	369
<i>Pallavi, Pravir Kumar</i>	
Unravelling Parkinson's Disease Therapeutics: Computational Insights into VPS35 Via Drug Repurposing.....	373
<i>Anjali Roy, Pravir Kumar</i>	
Pharmacoinformatic-Guided Drug Reprofilng for Unveiling of NovelBioactive Inhibitors Targeting USP13 in the Treatment of Parkinson's Disease	378
<i>Ashish, Pravir Kumar</i>	
Advancing Emotion Recognition in Visual Data with Artificial Intelligence.....	383
<i>K. Anusree, B. Bhuvaneshvari, D. Balakrishnan, S. Nandhagopal, Aarthy Chellakannu, S. Logeshwari</i>	
Enhancing Image Fusion Via Optimized BAT Algorithm in Brovey Transform for Remote Sensing Images	387
<i>R Dileep, J Jayanth, Ravikira, A S Vedha, C Shyamala, T Yuvaraju</i>	
Revolutionizing Healthcare Intelligence Multisensory Data Fusion with Cutting-Edge Machine Learning and Deep Learning for Patients' Cognitive Knowledge	393
<i>Samatha R Swamy, K S Nandini Prasad</i>	
Unveiling Time Utilization in Resource Constrained Environment.....	400
<i>Ch Rahul, Noushheen Kousarr, T Abhishek Yadav, Pendam Keerthi, Shanmugasundaram Hariharan, Vinay Kukreja</i>	
Canine Skin-Disease Detection Using CNN	406
<i>B. Sai Harshitha, M. Vani Pujitha, B. Chetan Chandra</i>	
Efficiency & Innovation in Recruitment usingAI & Android.....	412
<i>Kanika Chalana, Ashwin Ravi Gautam, Anand Raj, J.S. Daivik, H.R. Amrutha</i>	
Navigating Breakthroughs in Pediatric Brain Stroke Detection: A Comprehensive Survey	417
<i>N R Deepak, Santosh Kumar Paital, Saritha Verma, Tenzin Choeyang, Udit Kumar Singh, Bhavya</i>	
Communication Assistance for Blind and Deaf Using Natural Language Processing	423
<i>V Sangeetha, Ishwariya Pani, K Ysaswini, B Nikita, Arpita Bhattacharjee</i>	
Revolutionizing Cardiovascular Diagnostics: Advancements in Heart Disease Identification Through Multimodal Data Fusion and Deep Learning CNN Algorithm	429
<i>C Rajanandhini, I EugeneBerna, N Megala, R Chandrasekaran, Jareena Begam, Athiraja Atheswaran</i>	
A Novel Classifier for Detecting Oropharyngeal Cancer Using Machine Learning Techniques.....	436
<i>Suresh Kumar Mandala, G Rama Swamy, M. Aruna, Radha Marepalli, Kasturi Sai Sandeep, Siva Kumar Pathuri</i>	
Decentralized Cab Booking Application Utilizing Blockchain, Smart Contracts and Oracle Networks	443
<i>J Kaviraj, Joesh R. Jebaraj, V. Sabaresan</i>	
Cyberbullying Detection on Multiclass Data Using Machine Learning and a Hybrid CNN-BiLSTM Architecture	449
<i>Peddi Gowtham Balaji, Priyanka Prakash Katariya, S Sruthi, Manju Venugopalan</i>	

Shower Vs. Bath: A Comparative Study of Water Usage and Environmental Impact.....	455
<i>Angelina George, F Ashik, Alphonsa Jose, T. M. Mohan Kumar</i>	
Automatic Speed Control in Vehicle Based on Geolocation Information	461
<i>G Sathisha, C K Subbaraya, G K Ravikumar</i>	
Optimizing Deep Learning Algorithms for Colorectal Tumor Identification Via Noise Removal	468
<i>A. Santhoshi, A. Muthukumaravel</i>	
Ensuring Web Application Security: An OWASP Driven Development Methodology	474
<i>M. Sakthivel, S. Sivanantham, N. Bharathiraja, N. Bala Krishna, R. Kamalraj, V. Saravana Kumar</i>	
Enhancing Wireless Sensor Network Security with Trust-Aware Routing protocol(TRP)Based on Packet Forwarding Ratio Analysis to Detect Malicious Nodes	481
<i>M Asha Rani, H R Roopashree</i>	
An AI Powered Exam Proctoring: Comprehensive Monitoring for Integrity	488
<i>Dhruv Mewada, Shlok Gaikwad, Bhavika Gharat, Priyanshu Kamble</i>	
Deep Learning-Based Diagnosis of Rice Sheath Rot Disease: A Wavelet-Filtered Approach for Feature Extraction and Analysis	493
<i>Athiraja Atheeswaran, K Maheshkumar, K.S. Jayareka, B Janani, K Lakshmanan, P Sobiya</i>	
Machine Learning for Fraud Detection in Blockchain Transaction.....	501
<i>Kirandeep Kaur, R. Venkatesh, Sumit Pundir, S Brindha, V Arul Mary Remy, Ramanjeet Singh</i>	
Unmanned Artificial Intelligence-Based Financial Volatility Prediction in International Stock Market	507
<i>T. Rani, L. Vijayakumar, B. Chandirasekar, N. Geethanjali, M. Parveen Roja, Harshal Anil Salunkhe</i>	
Design Techniques for Optimizing an Adaptive Decision Feedback Equalizer for 5G Communication	513
<i>C Hema, P Srividya</i>	
Comparative Analysis of Neurodegenerative Disease Detection Using Artificial Intelligence	520
<i>J Vidya, Vamsidhar Yendapalli</i>	
A Real-Time Tamil OCR System for Mobile Devices.....	526
<i>S Swathy, V Thiruselvalakshmi, M Jayarathna, Kavitha Subramani, V Srimathi</i>	
Analysis of Memristor Neural Networks for Fault Tolerant Computing	532
<i>Bhagya, Sharana Basaveshweshwar G Hiremath, C N Vijayakumar</i>	
Conversational AI Bot Based on IoT Knowledgebase for Smart Agriculture	540
<i>P S Venkata Reddy, K S Nandini Prasad, C Puttamadappa</i>	
TweetFeel: Analyzing Emotions in the Twittersphere	547
<i>Adithya, S Gokulan, Mahati Reddy, M Varshith, Manju Venugopalan</i>	
Ensuring Security and Efficiency in Digital Payments Using Blockchain with NFC	553
<i>Shovon Mandal, Pintu Chandra Shill</i>	
Skin Cancer Classification Using Multi-Classification Deep Learning Model Based on Dermoscopic Images	560
<i>K. Guru Joshna Devi, B Vamsi Krishna</i>	

Unlocking Water Conservation: Synergizing IoT and Machine Learning for Agricultural Irrigation Efficiency	567
<i>K Praveen Kumar, Sh Manjula</i>	
Detection of Efficient Landslide Inventory Mapping in Western Ghats Regions of Karnataka, India	574
<i>D Anil, Savitha Hiremath, S H Manjula</i>	
Enhancing Credit Card Fraud Detection with Light Gradient-Boosting Machine: An Advanced Machine Learning Approach	580
<i>Srigiri Sruthi, Siddharth Emadaboina, C Jyotsna</i>	
Virtual AI Mouse with Biometric Authentication	586
<i>B Vishnu Praba, R Vinothini, M Jayarathna, Kavitha Subramani, P Sravanthi</i>	
ML Techniques for Crop Demand Prediction- A Study	591
<i>Pachila Shyamala, K Deepa, S.V. Tresa Sangeetha</i>	
RetinaGuard: An Optimal CNN Solution for Diabetic Retinopathy.....	596
<i>N Jagadisha, A Pradyumna Prabhu, S K Abhay, Chaithra Nayak, Chirag Surendra Honavarker</i>	
Smart Water Management and Drainage Monitoring System	603
<i>A.B. Gurulakshmi, G. Rajesh, Somara Meghana, Y.R. Leela Vara Prasad Reddy, K Jayanth, K Sainath Reddy, Marthani Chaitanya Kumar, Yennam Veni</i>	
Malaria Parasite Detection Using Advanced Deep Learning Techniques.....	608
<i>S Shashikiran, N Srinivas Babu, P Rama, Sandip Mondal, Syed Sadaqathulla, K S Pramod</i>	
Cognitive Radio Optimal Path for Dynamic Spectrum Access	612
<i>H.Srinivasa Murthy, S.Phani Kumar</i>	
CodeFlow: Real-Time Collaborative Code Editor	618
<i>Hritik Pathak, Harijan Ritik, Rameshwar Pawar, Yogesh Pingle</i>	
Cybersecurity Threat Detection Using Deep Learning and Anomaly Detection Techniques	623
<i>T. Rajendran, N Mohamed Imtiaz, K Jagadeesh, Balaji Sampathkumar</i>	
A Scalable Machine Learning Model for Sales Forecasting Using PySpark.....	630
<i>Talluri Harshitha, Simhadri Tanya, Thadakaluru Jaswanthi, Manju Venugopalan</i>	
A Comprehensive Study on Satellite-Based Data Communication for Big Earth Observation Systems.....	636
<i>N Supritha, M S Narasimha Murthy</i>	
AI-Driven Detection of PCOS for Personalized Health Improvement.....	641
<i>Preeti Khanwalkar, M Preethi, K Divya, K R Keerthana</i>	
Self-Healing Email Systems: Autonomous Recovery from Cyber Attacks.....	647
<i>Harsh Kumar Singh, H Suhas Prabhu, Bedadala Mohaneeshwar Reddy, Shinu M. Rajagopal</i>	
A Comprehensive Study on Emotion Recognition in Healthcare by Applying Machine Learning and Deep Learning Techniques	651
<i>Tanveer Ahmed, C Gopala Krishnan</i>	
A Review on Deep Learning Based Question Answering with Natural Language Processing in Healthcare.....	657
<i>Abdul Saleem Javeed, C Gopala Krishnan</i>	

Fusion-Infused Hypnocare: Unveiling Real-Time Instantaneous Heart Rates for Remote Diagnosis of Sleep Apnea.....	664
<i>Sai SrinivasVellela, S Phani Praveen, D Roja, Avvaru Rama Krishna, NagaMalleswaraRao Purimetla, ThalakolaSyamsundara Rao, K Kiran Kumar</i>	
Survey on Machine Learning Based Anomaly Detection in Cloud Networks.....	669
<i>G N Harish, H S Annapurna</i>	
A Comparative Analysis on Exploration of Stegosploits Across Various Media Formats.....	678
<i>R Asharani, K Vidyalakshmi</i>	
Apis Insight for Phenotype Classification and Hive Health Forecasting Using IoT and Deep Learning	686
<i>Ritvik Kumar Singh, Tanya Singh, A Arulmurugan</i>	
Summarization of Video into Text and Text to Braille Script.....	694
<i>Bodanapu Sridhar, Gourishetti Saivishnu, Varla ManiShanker, D Dhana Lakshmi, Shanmugasundaram Hariharan</i>	
A Critical Analysis and Classification of Breast Cancer Using Histopathology Images.....	699
<i>Pritpal Singh, Rakesh Kumar, Meenu Gupta, Ahmed J. Obaid</i>	
Improved Collaborative Recommender Systems for Healthcare Application	706
<i>Adari Ramesh, C K Subbaraya, G K Ravi Kumar Principal</i>	
The AI Revolution: Implications for Business Models, Economic Growth, and Labor Markets	713
<i>Makhfuza Rustamova, Ilmidin Yormatov, Zulaykho Uktamjonova, Gulnozakhon Muydinova</i>	
AI and Business Innovation: Analyzing Disruptive Effects on Industry Dynamics and Competitive Strategies	719
<i>Ahmad Nasser Abuzaid</i>	
AI-Driven Business Processes: Efficiency Gains, Cost Reductions, and Implications for Economic Performance.....	724
<i>Ahmad Nasser Abuzaid</i>	
AI in Small and Medium Enterprises: Assessing the Barriers, Benefits, and Socioeconomic Impacts	729
<i>Elnorakhon Muminova, Mahammadjon Ashurov, Shokhistakhon Akhunova, Mukhriddin Turgunov</i>	
AI and the Future of Work: Preparing the Workforce for Technological Shifts and Skill Evolution.....	735
<i>G R Lokesh, K S Harish, Veera Shireesha Sangu, S. Prabakar, V Santhosh Kumar, Mounica Vallabhaneni</i>	
Economic Policy and AI Implementation: Navigating the Opportunities and Challenges for Sustainable Growth	741
<i>Gajendra Kumar Gupta, Vivek Kumar Mishra, Nikhil Kumar Misra, Mohd. Salahuddin Ansari, Mohammad Imtiaz, Mithilesh Kumar Tyagi</i>	
AI and Entrepreneurship: Enablers, Obstacles, and Startups' Role in Shaping the Future Economy.....	747
<i>Ahmad Nasser Abuzaid, Majida Khalaf Khaleel Alsbow</i>	
Ethical and Legal Implications of AI on Business and Employment: Privacy, Bias, and Accountability	753
<i>K. Saketh Reddy, Manyam Kethan, S Mahabub Basha, Arti Singh, Praveen Kumar, D. Ashalatha</i>	

AI in Job Matching and Recruitment: Analyzing the Efficiency and Equity of Automated Hiring Processes	759
<i>Vibha Soni</i>	
Strategic AI Integration: Examining the Role of Artificial Intelligence in Corporate Decision-Making	764
<i>Ahmad Nasser Abuzaid</i>	
AI-Enabled Customer Insights: Transforming Marketing and Customer Relationship Management	770
<i>Anand Kopare, Ajim Shaikh, Jitender Kumar Sharma, Ganesh Waghmare</i>	
The Future of Teaching: Exploring the Integration of Machine Learning in Higher Education.....	776
<i>Taufikin, Supa'At, Monika Sharma, Avanti Chinmulgund, Jayasmita Kuanr, Gulnaz Fatma</i>	
Data-Driven Decision-Making in Education: Leveraging AI for School Improvement.....	782
<i>Majida Khalaf Khaleel Alsbou, Ra'Ed Abdalhafed Ibrahim Alsarairoh</i>	
Ethical Considerations in the Use of AI in Primary Education: Privacy, Bias, and Inclusivity	788
<i>Yousef Jaber Jamel Alawneh, Enas Nabeel Zaki Radwan, Falsten Nayef Salman, Shadia IssaJeris Makhlof, Kamal Makhamreh, Muawiyah Saleh Alawneh</i>	
Machine Learning for Early Detection of Learning Disabilities in Primary School Students.....	794
<i>Falsten Nayef Salman, Yousef Jaber Jamel Alawneh, Mazouz Jaber Alawnah, Lama Adel Fawzi Salah</i>	
Adaptive Learning Systems: Revolutionizing Higher Education Through AI-Driven Curricula	799
<i>Yousef Jaber Jamel Alawneh, Hiba Sleema, Falsten Nayef Salman, Mazen Fawaz Alshammat, Rabee Shafiq Oteer, Nawaf Khalaf Naji Alrashidi</i>	
The Impact of AI on Teacher Roles and Pedagogy in the 21st Century Classroom	804
<i>M.S.I Taufikin, Supa'At, Nur Azifah, Farikhatun Nikmah, Jayasmita Kuanr, Parminder</i>	
AI-Enhanced Pedagogy in Higher Education: Redefining Teaching-Learning Paradigms	809
<i>Matlyuba Kakhkharova, Sayyora Tychieva</i>	
Augmented Reality and AI in Higher Education: Creating Immersive Learning Experiences.....	815
<i>Faridakhon Tursunova, Nodima Oripova, Manzura Muhammadiyeva, Shakhlo Nurullayeva, Shuhrat Hamroyev, Irodakhon Tishabaeva</i>	
Enhancement of Alzheimer's Disease Stage Classification Using Deep Learning Based Pre-Trained Models.....	820
<i>Rs Rajasree, Brintha Rajakumari</i>	
Exploring Impact of Feature Selection on Classification Models for Detection of Alzheimer's Disease	827
<i>R S Rajasree, S.Britha Rajakumari</i>	
Pravega: Performance Impact Analysis with Connection Pooling	833
<i>K V Ramesh, G T Raju</i>	
Automated Handwritten Letter Recognition Using Optimized Deep Learning Model	839
<i>C K Indira, N. Gayathrilahari, J. Jyoshna, A. Jyothi, M. Siri Chandhana Sruthi, D. Venkata Saranya</i>	
Improvement of Communication Stability by Geo-Drone-Based SOA Routing Algorithm in Emergency Area Ad-Hoc Network.....	845
<i>S. Prem Kumar, Y.Sai Bhavesh Reddy, G. Raghavendra, K.Kiran Kumar</i>	

User Authentication Scheme and Identity Management for E-Health Systems Using Blockchain Technology	852
<i>M. Jaya Sunitha, C. Asendra, B. Bharath Kumar, E Harshith Goud, S. Hussain Basha</i>	
Enhancing Night Time Highway Drive Safety with a Raspberry Pi-Enabled Collision Alert System	859
<i>Salna Joy, R. Babychithra, Chinagani Tharun Sai Yadav, Vimarsha Rudresh, Konduru Silpa</i>	
Web Scraping Using Beautiful Soup	865
<i>Sakshi Pant, Er. Narinder Yadav, Milan, Monnie Sharma, Yash Bedi, Anshuman Raturi</i>	
Technicalities of O-RAN for 5G and B5G	871
<i>Amar Choudhary, Geetika Srivastava, Mahesh Kumar Jha</i>	
The Effective Evaluation of a Business Intelligence and Business Communication System Adoption Model for Sustainable Development in the Textile Industry	876
<i>Hasan Khan, Ramandeep Kaur</i>	
Prediction of the Correct Position of the Coral Reefs Using ML Techniques -A Survey	883
<i>Posa Achyutha, S. Tresa Sangeetha, K Deepa, Vivek Venugopal</i>	
Modernizing Flood Control with Intelligent Dam Gate Prediction – a Survey	889
<i>Tangudu Ram Chaitanya, S.V. Tresa Sangeetha, K Deepa, N. Neelima</i>	
Prediction of Battery Failure in EVs Using Machine Learning: A Case Study	895
<i>K H Akhil, K Deepa, S.V. Tresa Sangeetha, N. Neelima</i>	
Decoding the Brain Neuro-Inspired Deep Learning Architectures of Cognitive Computing	901
<i>J. Latha, S. Karthick Murugan, S. Jayachandran, G. Maheshwari, G Naveen, S. Navaneethan</i>	
Heart Disease Prediction Using Machine Learning Algorithms	907
<i>Poreddy AmoghVarshith, Dontamsetti Harika, Paluri Priyanka, S Sujit Kumar, D. Haritha</i>	
Classification of Dementia Using Machine Learning Models and Interpreting the Results Using LIME and SHAP	911
<i>R K Charan, Nischay M Kumar, Ashwini Kodipalli, Trupthi Rao</i>	
Comparison of Various Computational Models for the Accurate Detection of Lung Cancer and Interpreting Using XAI	917
<i>N Darshan, Shankar R Darshan, Ashwini Kodipalli, Trupthi Rao</i>	
Medical Image Synthesis Using DCGAN for Chest X-Ray Images	923
<i>M C Sai Akhil, B S Sanjana Sharma, Ashwini Kodipalli, Trupthi Rao</i>	
Maritime Security - Illegal Fishing Detection Using Deep Learning	931
<i>K. Lakshmi Lalasa, R.J.V. Srija, K. Praveen Kumar</i>	
Operational Concepts and Techniques of Value Analysis for Effective Control of Costs- An Analysis of Selected Companies	936
<i>G Srinivasa, S Venkatesh, L Nandini</i>	
Exploring Computational Models for Parkinson’s Disease Diagnosis: Unveiling Insights with LIME and SHAP Explainability Techniques	941
<i>C D Prithvi Achar, M P Anvesh, Ashwini Kodipalli, Trupthi Rao</i>	
IoT Based Poultry Farm Smart Management System	947
<i>K T Krishnamurthy, Manjunath Managuli, Sushma Malipatil, K. Bagyalakshmi, Sudha V Salake, Pankaja S Kadalagi, Sheetal B Patil</i>	

Ocular Disease Identification and Classification Using LBP - KNN	953
<i>B N Santhosh Kumar, G N K Suresh Babu</i>	
A Standardized Solution for Institutions Seeking Security and Convenience Accident Alert System	958
<i>N Srinivas Babu, S Shashikiran, V D Sudeep, Sodam Purushotham Reddy, Suguru Ravikanth, Yashwanth</i>	
Performance Analysis and Classification of Lung Cancer Types Using Machine Learning	962
<i>M Prakasha Raje Urs, G N K Suresh Babu</i>	
IoT Based Autonomous Emergency Vehicle Traffic Management System	967
<i>N Prajwal, Kandukury Rajesh, S Prashanth, Tapan G Kulkarni, C Shashank, M Venkatesha</i>	
Transforming Human-Machine Interaction: Generative AI Virtual Asst.....	971
<i>Gotru Jeevan Babu, S Safrinfathima, K Deekshith Reddy, Sanjay Kumar Sen</i>	
A Modified Deep Learning Architecture for Detecting Malaria Infected Cells.....	976
<i>S Shashikiran, N Srinivas Babu, Souvik Pramanik, Sathwik</i>	
Brain Tumor Localization and Multimodal Segmentation in MRI Images by Automated Process.....	982
<i>S. Kaviya, A.Sam Ricky, S. Gowtham, Srigitha.S. Nath, R.Jennie Bharathi, N G Praveena</i>	
Data Science Analysis Using Deep Learning Techniques in Mining Biological Data	988
<i>Praveena Murala, K Sivaraman</i>	
Recognition of Plant Disease Using Deep Learning Approaches.....	994
<i>M Sessaiah, D K Shravya, K H Tarun, R Vandana, R Varshitha</i>	
A Security Framework for 5G-Enabled Wireless Sensor Networks Based on Blockchain Technology	1000
<i>M S P Durgarao, Dinesh Valluru, S. Saraswathi, P. Malathi, K. Thilagam, S. Loganathan</i>	
Human Affect Recognition Using Deep Learning Approaches.....	1006
<i>M Sessaiah, D S Bhargavi, H Hema, N Mallikashree, C R Manuja</i>	
Robot Vacuum Cleaner Using SLAM and ROS.....	1012
<i>M Arjun, Cliff Andrew Oliver, Anju Mary Joseph</i>	
Low Quality CCTV Image and Video Enhancement Using GANs and Audio Enhancement with Equalization Algorithms.....	1017
<i>K S J Aditya, Ch Sunil Varma, S Pawan Teja, P Ramesh Babu, Ramu Kuchipudi, T. Satyanarayana Murthy</i>	
Video Frame Interpolation Using Real-Time Intermediate Flow Estimation	1020
<i>B Prasanna, S Niranjana, V. Sabaresan</i>	
Optimizing Power Consumption for Business Networks Through Cooperative Communication in Mixed Wireless Environments.....	1025
<i>Ramakrishnan Raman, Vikram Kumar, C. P. Sanjay, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Enhanced and Efficient Gated Recurrent Unit and Long Short-Term Memory Architectures for Detecting False Information	1030
<i>Ramakrishnan Raman, Vikram Kumar, C. P. Sanjay, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	

The Impact of Enhancing the k-Means Algorithm Through Genetic Algorithm Optimization on High Dimensional Data Clustering Outcomes.....	1035
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Selection of Rendezvous Points Using Fuzzy Logic for Mobile Data Collection in Wireless Sensor Networks	1040
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Enhancing Quality of Service in Mobile Ad-Hoc Networks Through Secure Routing with Multi-Constrained Network Feature Approximation.....	1045
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Optimizing Routes for Improved Quality of Service in Wireless Sensor Networks Through an Energy-Aware Routing Protocol for Maximizing Lifetime	1050
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
AI-Driven Remote Parkinson’s Diagnosis with BPNN Framework and Cloud-Based Data Security	1055
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Brain Image Denoising and Segmentation Using Advanced Mixed Thresholding and Edge Preservation Analysis Technique	1061
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Multi-Modal Facial Expression Recognition Through a Hierarchical Cross-Attention Graph Convolutional Network	1066
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Enhancing Trust-Based Attacker Detection in 5G Social Networks Through Advanced Artificial Intelligence Control.....	1071
<i>Ramakrishnan Raman, Vikram Kumar, Biju G. Pillai, Dhaval Rabadiya, Smruti Patre, R. Meenakshi</i>	
Digital Apiaries: IOT Solutions for Modern Beekeepers	1076
<i>Abhigna Bharadwaj, Amogh M Babu, C.G. Raghavendra, G Giridhara Datta, Varun R Bhat, S Santosh Kumar</i>	
Tweets to Predict: LSTM Model for Crime Analysis Using Twitter Time Series Data	1081
<i>P Kaladevi, M Gopalraj, K Harish, A Guna, R Praveen</i>	
Predictive Power of Logistic Regression in Cryptocurrency Price Analysis.....	1087
<i>R Poonkuzhali, J Hitesh Paliwal, G Hariharan, R Arasu</i>	
Differential Privacy in Spatial Task Assignment for Cloud Crowdsourcing	1093
<i>S Santhosh, S Vadivel, P C Yoga, B Mohamed Ajmal</i>	
Epileptic Seizure Diagnosis Using Bayesian Belief Network and T-CNN.....	1099
<i>S Poovarasu, R Gopinath, A Mohanraj, S Sakthivarshan</i>	
AI and Corporate Sustainability: Exploring the Environmental and Social Impacts of AI Integration	1105
<i>Ilkhom Nosirov, Ilmidin Yormatov, Nilufar Yuldasheva, Feruza Avulchayeva</i>	

AI in Human Resource Management: Reimagining Talent Acquisition, Development, and Retention	1112
<i>Abdumalik Kadirov, Yulduzhon Shakirova, Gulshodakhon Ismoilova, Nodirakhon Makhmudova</i>	
AI and Corporate Risk Management: Identifying and Mitigating Technological and Ethical Risks.....	1120
<i>Naila Iqbal Qureshi, Apeksha Garg, Preeti Singh, Niklas Retzlaff</i>	
Enhanced Cloud Data Security with Lightweight Chaotic Map and Quantum Key Distribution	1125
<i>M Varshana Devi, G Aasha, P Vimal, K Gowtham, K Nivitha</i>	
Automation and the Future of Accounting: A Study of AI Integration in Financial Reporting	1131
<i>Makki Qasim Kuaiber, Zahraa Naser Ali, Ahmed Jassim Al-Yasiri, Alaa Jumaah Kareem, Maan Abood Al, Akeel Almagtome</i>	
Robo-Advisors and Investment Management: Analyzing the Role of AI in Personal Finance	1137
<i>Nurillo Ablazov, Azamat Qodirov, Zarema Ibragimova, Khasan Akhmedov</i>	
Charana Chakshu - IoT Based Embedded Wearable Device Smart Shoe for Visually Impaired.....	1142
<i>H M Mallikarjun, Jatin M Bafna, M Yukthi, K Jahnavi, S Karthik Sharma, Anagha M Rao</i>	
Analysis of Diabetic Retinopathy in Retinal Fundus Images	1147
<i>M R Mahesh, S Rohith</i>	
Implementation of Blockchain and IPFS to Safeguard Evidentiary Data.....	1152
<i>Supriya Srivastava, GeetKiran Kaur, Himank, Sanjay Singla</i>	
HeyMitra- A Daily Life Assistant Web Application with Todo List and Time Tracking Ability	1158
<i>Er. Harsh Sharma, Samarth Maheshwari, Sanjay Singla, SagarKumar, Shivam Chopra, Garvit Khandelwal</i>	
The Future of Graphic Novel Translation: Fully Automated Systems.....	1163
<i>G Harshavardhan, Sandeep Singh Kang, Geet Kiran Kaur, Sanjay Singla</i>	
Facial Emotion Recognition Through Quantum Machine Learning.....	1171
<i>Geet Kiran Kaur, Arvind Seram, Kamruddin Ansari, Devashish Patel, Pushpendra Singh, Sanjay Singla</i>	
Restaurant Recommendation System Using Machine Learning Algorithms.....	1176
<i>Shfali Goyal, Nongmeikapam Thoiba Singh, Iesh Bajetha, Sukhpreet Singh, Himanshu Singh, Prashant Kumar</i>	
Blockchain Technology: Revolutionizing Trust, Transparency, and Transaction Efficiency.....	1181
<i>Roop Lal, Arzoo Chhabra, Sanjay Singla, Deepansh Sharma</i>	
Ethical Considerations of AI in Financial Services: Privacy, Bias, and Algorithmic Transparency	1186
<i>Naila Iqbal Qureshi, Saurabh Suman Choudhuri, Yaramala Nagamani, Raj A. Varma, Rutul Shah</i>	
AI and Cost Management: Strategies for Reducing Expenses and Improving Profit Margins in Business.....	1192
<i>Ibrokhim Ismanov, Nozimjon Qayumov, Durdona Mukhamadjonova, Bakhodir Akhmadaliyev</i>	
The Changing Role of Accountants in the AI Era: Evolving Skill Sets and Career Pathways	1199
<i>Ahmad Yahiya Ahmad Bani Ahmad</i>	
AI in Credit Scoring and Risk Assessment: Enhancing Lending Practices and Financial Inclusion.....	1204
<i>Ali Abdul Hussain Raji, Ashraf Hashim Faris Alabdoon, Akeel Almagtome</i>	

AI in Mergers and Acquisitions: Analyzing the Effectiveness of Artificial Intelligence in Due Diligence	1211
<i>Mihir Abhay Bedekar, Manoj Pareek, Saurabh Suman Choudhuri, P F Abhishek, Jayesh Jhurani, Rutul Shah</i>	
Cybersecurity in Financial Services: Addressing AI-Related Threats and Vulnerabilities	1216
<i>Aniket Deshpande</i>	
Regulatory Compliance and AI: Navigating the Legal and Regulatory Challenges of AI in Finance	1222
<i>Aniket Deshpande</i>	
The Role of Natural Language Processing in Medical Data Analysis and Healthcare Automation	1227
<i>Gopal Kumar Thakur, Abhishek Thakur, Naseebia Khan, Hannah Anush</i>	
Machine Learning for Drug Discovery and Personalized Medicine: Current Trends and Future Prospects.....	1232
<i>Abhishek Thakur, Shridhar Kulkarni, Gopal Kumar Thakur, Naseebia Khan</i>	
AI-Driven Predictive Models for Early Disease Detection and Prevention	1238
<i>Gopal Kumar Thakur, Naseebia Khan, Hannah Anush, Abhishek Thakur</i>	
Enhancing Educational Assessment with Artificial Intelligence: Challenges and Opportunities	1244
<i>Ashwini Jagannath Mahamuni, Parminder, Shalini Santosh Tonpe</i>	
Towards Explainable AI: Interpretable Models for Complex Decision-Making	1249
<i>Jaibir Singh, Suman Rani, Garaga Srilakshmi</i>	
Blockchain and Smart Contracts: Evolution, Challenges, and Future Directions	1254
<i>Jaibir Singh, Suman Rani, Parveen Kumar</i>	
AI-Based Automated Grading Systems for Open Book Examination System: Implications for Assessment in Higher Education	1259
<i>Amit Dimari, Nidhi Tyagi, Mahesh Davanageri, Ravish Kukreti, Rajkumar Yadav, Hema Dimari</i>	
Fraud Prevention in Insurance: Biometric Identity Verification and AI-Based Risk Assessment	1266
<i>Ahmad Yahiya Ahmad Bani Ahmad</i>	
Development of E-Governance Services in Smart Cities Using Artificial Intelligence and Blockchain.....	1272
<i>N Ajay, M R Shrihari, K S Suchitra, B S Usha, Vadde Nandini, S R Vandana</i>	
“Integrated Development of FarmTechZone Using IOT and Bigdata “	1278
<i>M R Shrihari, B L Chandana, M Asha, K N RoopaShree, S M Swathi, N Ajay</i>	
Organ Donation and Transplantation Framework Using Blockchain	1285
<i>Mr Shrihari, Gaurav Singh, Keerthi Reddy, N Ajay</i>	
Segmentation of Brain Tumor Using Modified Linknet Architecture from MRI Images	1291
<i>Suraj, G S Venkatesh Babu, C S Skanda Kumar, R G Kowshik, K N Ashok</i>	
Tracking Waste Disposal and Generation of Fine to Control and Promote Proper Waste Segregation	1297
<i>K N Ashok, K S Kavyashree, S Keerthana, C R Nagashree, L Navya</i>	
Preprocessing of Tomato Leaf Images for Early Detection of Disease	1303
<i>G Mamatha, G T Raju</i>	

Deep Learning Based Efficient Parking Management System Framework.....	1308
<i>P Sathishkumar, R Boopalan, S Kiruthiga Shree, R Dhanish</i>	
Precision Farming Empowered by Embedded IOT.....	1314
<i>S Bhaskar, K R Bharath Kumar, Akkiraju Manaswini, Gandluri Kiran Kumar</i>	
Longitudinal Analysis of Student Progress in AI-Integrated English Language Courses.....	1319
<i>J Adlin Jerusha, R. Rajakumari</i>	
Aquila Optimization Algorithm Based Feature Selection with Optimal Machine Learning for Security Internet of Things Environment	1325
<i>Prerana Nilesh Khairnar, S Sessa Vidhya, D Keerthana, M. Mohana, S Srimathi, P Vigneshwaran</i>	
Automatic Number Plate Detection with Yolov5 and OCR Methods.....	1331
<i>R. Kala, K Dharani, R Harini, A Niranjanaa, M Sowmiya</i>	
HarvestAI: IoT Based Crop Protection and Wild Animal Monitoring	1336
<i>R Akash, S Harish, H Shinas, S Sakthivel, V. Vignesh</i>	
A Novel Framework for Classifying Remote Sensing Images Using Convolutional Neural Networks	1345
<i>Thiyagarajan Manoharan, Shaik Hedayath Basha, J.Senthil Murugan, G P Suja, R Rajkumar, S Srimathi</i>	
AI as a Catalyst for Change in International Student Admissions.....	1351
<i>Amruta, Ramakrishnan Raman</i>	
Transforming International Student Admissions with Artificial Intelligence: Strategies and Outcomes.....	1357
<i>Amruta, Ramakrishnan Raman</i>	
Enhancing IoT Data Security with Blockchain Based Inner Product Encryption Algorithm.....	1362
<i>K Poongodi, C Gopica, A Amrin, K Dhaya Sanjai, R Praveen</i>	
Optimizing Federated Learning Efficiency: Exploring Learning Rate Scheduling in Sparsified Ternary Compression.....	1368
<i>C Nithyaniranjana Murthy, Sh Manjula</i>	
From Ranch to Worldwide: Observing Soil Welbeing Patterns.....	1373
<i>K M Divakar, R Ankith Gowrishankar Esturi, P S Anil, D Namith, A Chethan</i>	
Intelligent Way to PARK Vehicle with an Android Application Using IOT.....	1380
<i>K M Divakar, D N Likhithashree, M V Meghavathi, R Rakshitha, S Kavya</i>	
Negation Handling and Domain Generalization in Sentiment Analysis Using Machine Learning Models.....	1386
<i>Shrnivas Biradar, G T Raju, K M Divakar</i>	
IOT Enabled Surveillance and Alerting for LPG Containers	1390
<i>S Bhargavi, G Sudarshan, S Upendra, S R Shreyas</i>	
Design and Implementation of IOT Based Garbage Monitoring System	1396
<i>S. Bhargavi, V Tharun, S Sri Kiran, K B Thimmareddy</i>	
Automation of Cattle Livestock	1401
<i>C Rangaswamy, K Monisha, H S Rajini, B A Rakshitha</i>	

Dynamic Wireless Charging of Electric Vehicle Using Solar.....	1407
<i>C Anitha, K M Bhanushree, K M Anusha, N Chirayu</i>	
Early Detection of Epilepsy Using IOT and Image Processing.....	1411
<i>S Madhukara, K C Manyashree, M Meghana, T Meghana</i>	
Portable Low Cost Electronic Nose for Emission Testing Using Smartphone Application.....	1416
<i>V Shwetha, R Ruksar, N Smitha, D Shubha</i>	
Automatic Wireless Power Hub for Electric Vehicles (EVs).....	1419
<i>A C Nirmala Devi, C Usha, V Vandana Gangothri, M Varshini</i>	
Smart Milk Quality Analysis and Grading Using IoT	1423
<i>S Madhukara, A S Bhargavi, T A Chandushree, P R Divya Reddy</i>	
Breast Cancer Classification Using Machine Learning Algorithm.....	1427
<i>D Anu, K Vidhya</i>	
DubasAlert: AI-Powered Detection System for Dubas Infestation on Palm Leaves	1434
<i>Y Nagaraju, Venkatesh</i>	
Securing Drones with Blockchain-Enabled Privacy-Preserving Authentication.....	1441
<i>P Saroopa, K Poongodi, V Saranya, S Subaash</i>	
Hybrid LSTM-RNN and Lion Optimization Algorithm for IoT-Based Proactive Healthcare Data Management	1447
<i>R Kabila, S Sri Balaji, V Vikraam, S Rajesh Kumar, R Praveen</i>	
Enhanced Drug-Drug Interaction Prediction with Graph Neural Networks and SVM.....	1454
<i>A G Gnanabaskaran, K Tamil Bharathi, S P Nandakumar, B Sanjay, R Praveen</i>	
Improving Healthcare Data Security Using Cheon-Kim-Kim-Song (CKKS) Homomorphic Encryption	1460
<i>P Sathishkumar, K Pugalarasan, C Ponnparamaguru, M Vasanthkumar</i>	
Cloud-Based Cancer Prediction System for Enhancing Security and Authentication Using Deep Learning	1466
<i>P N Kiran Kumar, B S Neha, K Theja Sree, K M Harshitha, K Prathusha</i>	
Fired:An Image-Based Fire Detector for Smart Homes Using Machine Learning Algorithms.....	1477
<i>G M Srinath, K M Yashaswini, N Sahana Shree, B Supraja, V Varshitha, K Arfa Thareen</i>	
Exploring Tree-Based Machine Learning for Multi-Illness Prediction	1481
<i>S. Abijah Roseline, S. Anubha Pearline</i>	
Optimizing Data Center Load Balancing in Cloud Computing with SDN Controller.....	1487
<i>B G Girish, Bala Subramanaya, S Rohan, V Nandu Priya</i>	
Insight Retina: A Deep Learning Approach to Diagnose Diabetic Retinopathy.....	1492
<i>V Akshaya, S Sashank, G M Subhash</i>	
Fine Tuning Idefic 9b with LORA for Multimodal Medical VQA.....	1498
<i>Shashwath Punneshetty, Shashank Ashok, M Niranjanamurthy, SVN Murthy</i>	
Personalized Adaptive Learning Platform Empowered by Artificial Intelligence.....	1504
<i>K.R Pradeep, A S Manish, A S Adithiyaa, N Sahana, S T Abhishek</i>	

Trust-Object Identification: Approach Towards Trustworthy Objects Identification in S-IoT	1510
<i>Rahul, Dakshayani Araddy, Venkatesh</i>	
Energy Management of Base Station in 5G and B5G: Revisited	1518
<i>Amar Choudhary, Gaurav Kumar, Sandeep Dhariwal, Geetika Srivastava</i>	
An Approach for Securing IoT Data Using Blockchain and Proxy Re-Encryption.....	1523
<i>M Saradha, B Keerthivasan, Mpl Arunachalam, K Gnanaprakash, K Nivitha</i>	
Automated Worms Monitoring System.....	1529
<i>S Veena, A Sri Lakshmi, S Tayiba Fathima, S Thanushree</i>	
A Real-Time Camera-Based Motion Sensing Game Tool for Cervical Rehabilitation.....	1533
<i>Divya Jatain, Shaily Singh, Nishtha Jatana, Geetanjali Sharma, Vaani Garg, M Niranjnamurthy</i>	
Fuzzy Logic Enhanced Delay Guarantee Routing in SDN Environments	1541
<i>B G Girish, H Ramya, R Shwetha, B Priyanka, K Sahana</i>	
Impact of Hybrid [CPU-GPU] Architecture on Machine Learning-Based Image-To-Image Translation Using HiDT	1544
<i>V Kantharaju, B N Chandrashekhar, M Niranjnamurthy, SVN Murthy</i>	
Adversarial Learning for De-Identification of Medical-Records	1548
<i>H.S Anupama, K.R Pradeep, M Niranjnamurthy, V Kanthraju, Cb Darshan, SVN Murthy</i>	
Hybrid Golden Jackal and Whale Optimization Algorithm (HGJWOA) for Optimizing Resource and Service Allocation in Edge Computing Environments	1553
<i>M Saradha, T Sasivanan, C Monishkumar, J Muralidharan, K Nivitha</i>	
Amultistage Approach for Object Detection and Efficient Parsing of Video Content.....	1558
<i>Geetanjali Sharma, Divya Jatain, Shaily Malik, M Niranjnamurthy</i>	
Metaheuristic Energy Efficient Clustering Based Routing (Meecr) in Wsn - Iot.....	1564
<i>L Lakshmaiah, K Raja, B. Rama Subba Reddy</i>	
Ensemble Based Satin Bower Bird Algorithms for Cyberbullying Detection.....	1572
<i>A G Gnanabaskaran, S Kavinilavu, V Kowshika, A S Logesh, K Nivitha</i>	
Sailfish Optimizer Algorithm for Effective Toxic Gas Detection Sensor Placement in IIoT	1578
<i>P Senthilraja, S Ponkaviarasu, K V Vijayabharathi, H Sabarish, N Jagadish Kumar</i>	
Efficient Task Scheduling in Apache Mesos Using Hybrid Stochastic Gradient Descent Golden Eagle Optimized (HSGD-GEO) Apache Aurora Framework.....	1584
<i>S. Lakshmi Narayanan, G Anitha, K. Sachet, G. Yuvaraj, S. Arumai Shiney, M. Vaalarivan</i>	
Heart Disease Risk Analysis and Assessment: A Data Driven Approach.....	1589
<i>B.H. Manjunatha Kumar, Abhinav Kumar, Aditya Iyer, M L Soumika, S Mayuri</i>	
Advanced Meta-Heuristic Algorithm Based on AlBiruni Earth Radius and Particle Swarm Optimization Methods for Oral Cancer Detection.....	1594
<i>B. H. Manjunatha Kumar, G R Ananya, S V Anusha, Poornima Paramanantti, K Prakruthi</i>	
Enhancing Cyber-Attack Detection in IoT Networks Through Deep Reinforcement Learning.....	1600
<i>T Subalaxmi, R Akalya, R Kaviya, V Santhosh, R Praveen</i>	

Enhancing Cybersecurity in IIoT Smart Grids: Leveraging HGAMPO for PMU Data Manipulation Detection	1606
<i>B Janani, S D Keerthana, S Subathra, N Subiksha</i>	
A Systematic Literature Review: Crop Recommendation Using Machine Learning Algorithms	1612
<i>M Y Raghavendra, H S Annapurna</i>	
ML-Based Cross-Platform Malware Detection	1617
<i>R A Bhavya, G V Bindhu Shree, N Chandan Gowda, S Sanjana, K V ShwethaShree</i>	
Nonlinear SVM Classifier Based Online Attendance System for Facial Recognition and Mask Detection	1623
<i>M Varshana Devi, K A Jai Surya, E Meethashree, V S Keerthivasan, S Saraswathy</i>	
Enhanced Structural Image Classification Using Hybrid CNN-GNN Model	1629
<i>P Thangamariappan, Manish Singh, M Arthi, T Kannan, S Saraswathy</i>	
Hybrid Honey Badger and Cuttlefish Optimization Algorithm(HHBCOA) for On-Road Vehicle Breakdown Assistance in VANETs.....	1635
<i>C Nallusamy, M Adith Krishnan, S Farook, M Gopinath, Divya Ravikumar</i>	
Optimizing Resource Utilization in IoT Based Smart Home Automation: A Hybrid Crow Search and Border Collie Optimization Approach.....	1641
<i>V P Dhivya, S V Adhiyaman, S Elangavi, R Gokul</i>	
Privacy-Preserving Brakerski-Gentry-Vaikuntanathan (BGV) Homomorphic Encryption for IoMT Data Security	1647
<i>V Vinoth Kumar, P Pabitha</i>	
An Efficacy Analysis of Data Using Fuzzy Logic and Fractal Encryption Techniques for Cloud Platform Data Security	1653
<i>P Dineshkumar, V Jeeva, C Nithiesh, P J Arun, K Sathish Kumar</i>	
Skin Disease Diagnosis Using Mini-Batch Fuzzy C-Means Clustering and CNN.....	1659
<i>S Arulmurugan, A Mohammed Aamir, P M Lokesh, K Kalanithi</i>	
Recycling as a Service: IoT Enabled Smart Waste Management System with Machine Learning	1665
<i>R Poonkuzhali, M Karamath, P Sugumaran, M Tharun, S Arun</i>	
Hybrid Multi-Objective Harris-Hawks and Moth-Flame Optimization Algorithm for Efficient Task Offloading Strategy in IoT-Based Fog Computing Applications.....	1671
<i>M Saranya, P Pabitha</i>	
Optimization of Tungsten Trioxide (Wo ₃) Thin Films Using RF Sputtering Towards UV Photo Detector Application.....	1677
<i>G Nithya, K Naveen Kumar, Habibuddin Shaik, S Karthik Murthy, K G Kavya, Kruthik S Reddy, J Sudheer Reddy, Prosenjit Sen</i>	

Author Index