

# **2024 International Conference on Computational Intelligence for Security, Communication and Sustainable Development (CISCSD 2024)**

**Port Blair, India  
25-26 April 2024**



**IEEE Catalog Number: CFP24VQ8-POD  
ISBN: 979-8-3503-6541-2**

**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:	CFP24VQ8-POD
ISBN (Print-On-Demand):	979-8-3503-6541-2
ISBN (Online):	979-8-3503-6540-5

**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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

CURRAN ASSOCIATES INC.  
**proceedings**  
.com

# 2024 International Conference on Computational Intelligence for Security, Communication and Sustainable Development (CISCSD) **CISCSD 2024**

## Table of Contents

Message from the Principal cum Patron .....	xv
Message from the General Chairs .....	xvi
Message from the Program Chairs .....	xvii
Message from the Organizing Chairs .....	xviii
Message from the Organizing Secretary .....	xix
Organizing Committee .....	xx
Program Committee .....	xxii
Reviewers .....	xxiii

## FN-1

Modified SEPIC Converter Design and Analysis for High Voltage Gain Applications in Renewable Energy .....	1
<i>Chithra M (CMR Institute of Technology, India)</i>	
Food Classification Using Machine Learning .....	7
<i>Santhosh Krishna V B (New Horizon College of Engineering, India), P Kiran Mai (New Horizon College of Engineering, India), and Muthumanickam S (RMK College of Engineering and Technology, India)</i>	
Biomarkers for Ovarian Cancer for the Accurate Detection and Classification Using Computational Algorithms and Interpreting Using Explainers .....	12
<i>Iffath Jahan (Global Academy of Technology, India), Ashi Srivastava (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Detecting Deepfakes: Training Adversarial Detectors with GANs for Image Authentication .....	17
<i>Vijay Kiran R (Global Academy of Technology, India), Manish R (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Gargi N (Global Academy of Technology, India), and Bhavani Soma (Global Academy of Technology, India)</i>	

Design of 2X1 Monopole Array Antenna for WiMAX and WiLAN Applications .....	21
<i>R Vennela (GRIET, India), N Lakshmi Neeraj (GRIET, India), Abdul Feroze (GRIET, India), A Ushasree (GRIET, India), Ashwini Kodipalli (Global Academy of Technology, India), M Satyanarayana (MVGR college of Engineering, India), and N Uday Kumar (Vivekananda Institute of Technology, India)</i>	
An Insightful Approach to Cardiomegaly Through CNN and Feature Mapping .....	26
<i>Manikandan R (Madanapalle Institute of Technology &amp; Science, India), Mythili B (Madanapalle Institute of Technology &amp; Science, India), Pushyaraga R (Madanapalle Institute of Technology &amp; Science, India), Karthik Reddy M (Madanapalle Institute of Technology &amp; Science, India), and Mallikarjun Reddy B (Madanapalle Institute of Technology &amp; Science, India)</i>	
An Advanced and Ideal Method for Tumor Detection and Classification from MRI Image Using Gaussian Mixture and RCNN .....	31
<i>Ganesh Karthikeyan V (SASTRA Deemed University, India), Saravanakumar S (Jain (Deemed-to-be University), India), Asif Tamboli (Krishna Vishwa Vidyapeeth "Deemed to be University" India), Kumari Lipi (Akhildev IPR and Research Services, India), Anthoniraj S (Jain (Deemed-to-be University), India.), and D. Vijayalaxmi Rajendran (Christ University, India)</i>	

## FN-2

Compendium on Image Restoration Techniques for Noise and Blur Reduction .....	35
<i>Senthil Anandhi A. (Anna University, India) and M Jaiganesh (Karpagam College of Engineering, India)</i>	
Counterfeit Medicine Verification System Using Blockchain .....	40
<i>Santhosh Krishna BV (New Horizon College of Engineering, India), B Rajalakshmi (New Horizon College of Engineering, India), Vandana R (New Horizon College of Engineering, India), Pooja T (New Horizon College of Engineering, India), Shushmita S (New Horizon College of Engineering, India), and Ashok K (New Horizon College of Engineering, India)</i>	
Default Credit Card Scoring Using ML .....	44
<i>Darshan B S (Global Academy of Technology, India), Vishal Kumar I B (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Cardiotocogram-Based Fetal Health Prediction Using Computational Models .....	49
<i>Vaishnavi M (Global Academy of Technology, India), Varun M (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	

Enhancing Ovarian Tumor Diagnosis with Advanced Computed Tomography Image Segmentation Techniques .....	53
<i>P Vinay (Gokaraju Rangaraju Institute of Engineering And Technology, India), K Sairaj (Gokaraju Rangaraju Institute of Engineering And Technology, India), K Samson (Gokaraju Rangaraju Institute of Engineering And Technology, India), A Ushasree (Gokaraju Rangaraju Institute of Engineering And Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), and N Uday Kumar (Vivekananda Institute of Technology, India)</i>	
Empowering Human Expertise in Multi-Objective Optimization with Artificial Immune System .....	58
<i>Firoz Khan Pathan (Madanapalle Institute of Technology &amp; Science, India), Karthisha Reddy G (Madanapalle Institute of Technology &amp; Science, India), Siva Sai P (Madanapalle Institute of Technology &amp; Science, India), Gangadhar B (Madanapalle Institute of Technology &amp; Science, India), and Roshan Zameer Mohammad (Madanapalle Institute of Technology &amp; Science, India)</i>	
Neural Network Based Medical Self-Diagnostic System Using Artificial Intelligence .....	63
<i>Saravanakumar S (Jain (Deemed-to-be University), India), N. Sree Divya (Mahatma Gandhi Institute of Technology, India), Konakala Srinivasa Rao (Malla Reddy University, India), Anthoniraj S (Jain (Deemed-to-be University), India), P. Sambasiva Rao (DNR College of Engineering &amp; Technology, India), and Purushothaman D (Malla Reddy University, India)</i>	

## AN-3

DreamCraft A Captivating Web Oasis for Seamless Job Placements .....	67
<i>D Roja Ramani (New Horizon College of Engineering, India), B Rajalakshmi (New Horizon College of Engineering, India), Santhosh Krishna BV (New Horizon College of Engineering, India), Riya Sarkar (New Horizon College of Engineering, India), Souvik Das (New Horizon College of Engineering, India), and Vinit Dadyala (New Horizon College of Engineering, India)</i>	
Digital Pravesh Pranali .....	72
<i>Sonali J. Mahure (New Horizon College of Engineering, India), B. Rajalakshmi (New Horizon College of Engineering, India), Vaibhav Jain (New Horizon College of Engineering, India), Saras Verma (New Horizon College of Engineering, India), and Sunayan Dutta (New Horizon College of Engineering, India)</i>	
Chart Career Using AI and Data Analytics .....	78
<i>Yogitha Yogitha (New Horizon College of Engineering, India), Roja Ramani (New Horizon College of Engineering, India), Vaishnavi Nayak (New Horizon College of Engineering, India), and Sirisha M (New Horizon College of Engineering, India)</i>	
Titanic Survivors Prediction Analysis Using Machine Learning Algorithms .....	82
<i>Shridhar B. Devamane (Global Academy of Technology, India), Abhijith BH (Global Academy of Technology, India), Bhushan Purushotham (Global Academy of Technology, India), Ravindranath R.C (Global Academy of Technology, India), Lakshmikantha G.C (Global Academy of Technology, India), and Udayaprasad P K (Global Academy of Technology, India)</i>	

Instagram Reach Analysis Using Machine Learning Algorithms .....	88
<i>Abhinav G. Bhat (Global Academy of Technology, India), Tarun Rao K (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Udayaprasad P K (Global Academy of Technology, India), Ravindranath R.C (Global Academy of Technology, India), and Lakshmikantha G C (Global Academy of Technology, India)</i>	
Innovative Integration of Deep Learning and Neural Networks in Heart Disease Prediction .....	93
<i>N Sai Kiran (Madanapalle Institute of Technology &amp; Science, India), S. Indu (Madanapalle Institute of Technology &amp; Science, India), Naveen Kumar Reddy N (Madanapalle Institute of Technology &amp; Science, India), Jashnavi G (Madanapalle Institute of Technology &amp; Science, India), and Praveen Kumar K (Madanapalle Institute of Technology &amp; Science, India)</i>	
An Effective and Deep Neural Network for Brain Tumor Segmentation and Detection .....	99
<i>Ganesh Karthikeyan V (SASTRA Deemed University, India), Saravanakumar S (Jain (Deemed-to-be University), India), Iype Cherian (Krishna Vishwa Vidyapeeth "Deemed to be University", India), Satyakam Rahul (MIT ADT University, India), Anthoniraj S (Jain (Deemed-to-be University), India), and D. Vijayalaxmi Rajendran (Christ University Delhi-NCR, India)</i>	
Sensors Based Assistive Technology for Corona Healthcare Insights .....	103
<i>Rajendra Prasad K (Institute of Aeronautical Engineering, India), Narasimhulu K (Rajeev Gandhi College of Engineering and Technology, India), and N Santhosh Kumar CH (ANURAG Engineering College, Kodad, Telengana, India)</i>	

## AN-4

Facial Recognition with Aliveness Detection Using FaceNet and LivenessNet .....	109
<i>Bhaskar SV (New Horizon College of Engineering, India), Santhosh Krishna BV (New Horizon College of Engineering, India), Punyashree CD (New Horizon College of Engineering, India), Dabbara Sujith Babu (New Horizon College of Engineering, India), and Darshan S (New Horizon College of Engineering, India)</i>	
Advancing Healthcare Privacy with Homomorphic Encryption .....	115
<i>Shree Nagamanjula Rani (New Horizon College of Engineering, India), Roja Ramani (New Horizon College of Engineering, India), Sanjana Chinta (New Horizon College of Engineering, India), Sathvik S Shet (New Horizon College of Engineering, India), and Shivani Biradar (New Horizon College of Engineering, India)</i>	
Speech Enhanced Intelligent Search Using Deep Learning .....	120
<i>Florance G (New Horizon College of Engineering, India), Shruthi G R (New Horizon College of Engineering, India), Aashutosh Gupta (New Horizon College of Engineering, India), Abhishek V (New Horizon College of Engineering, India), Amogh Patil (New Horizon College of Engineering, India), and Siddharth Bokka (New Horizon College of Engineering, India)</i>	

Performance Evaluation of Machine Learning Algorithms for Predicting Rainfall Patterns .....	125
<i>Kruthi N L (Global Academy of Technology, India), Puneeth M (Global Academy of Technology, India), Adithya M (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Ravindranath R C (Global Academy of Technology, India), and Lakshmikantha G.C (Global Academy of Technology, India)</i>	
Mobile Price Tagger: A Machine Learning-Driven Neural Network for Mobile Phone Price Classification .....	130
<i>Bhargav R (Global Academy of Technology, India), Ujwal H U (Global Academy of Technology, India), Adithya M (Global Academy of Technology, India), Pruthvi M H (Global Academy of Technology, India), Grishma N (Global Academy of Technology, India), and Shridhar Devamane (Global Academy of Technology, India)</i>	
Innovative Deep Learning Approach for Malware Categorization .....	134
<i>Lakshmi B (Madanapalle Institute of Technology &amp; Science, Madanapalle), Maha Lakshmi B (Madanapalle Institute of Technology &amp; Science, Madanapalle), Pallavi P (Madanapalle Institute of Technology &amp; Science, Madanapalle), Pavan Kumar Reddy M (Madanapalle Institute of Technology &amp; Science, Madanapalle), and Naveen Kumar B (Madanapalle Institute of Technology &amp; Science, Madanapalle)</i>	
AI Technology for the Practices of Societal Sustainable Development .....	138
<i>N Santhosh Kumar CH (ANURAG Engineering College, Kodad, Telengana, India), Rajendra Prasad K (Institute of Aeronautical Engineering, India), and Pavan Kumar P (Vardhaman College of Engineering, India)</i>	
Enhancing Access Control in Cloud Storage Through Sanitizable Access Control System .....	143
<i>Naveena Kolli (Institute of Aeronautical Engineering, India), Suleman Basha M (RGM College of Engineering and Technology, India), Chanda Sai Sathvik (Institute of Aeronautical Engineering, India), Tadikamalla Revanth Mahajan (Institute of Aeronautical Engineering, India), and Polepaka Nithin Emmanuel (Institute of Aeronautical Engineering, India)</i>	

## FN-5

Enhancing E-Voting with Retinal Authentication .....	148
<i>Lakshmi S Hanne (New Horizon College of Engineering, India), B. Meenakshi Sundaram (New Horizon College of Engineering, India), Rakshitha M (New Horizon College of Engineering, India), Kishore V (New Horizon College of Engineering, India), Arthy Meenakshi (New Horizon College of Engineering, India), and Santhosh Krishna BV (New Horizon College of Engineering, India)</i>	
Efficient Internet Community Analysis Using Integrated ADB-CB for Fake Account Detection .....	153
<i>Bhaskar SV (New Horizon College of Engineering, India), Roja Ramani D (New Horizon College of Engineering, India), Srujana Raja (New Horizon College of Engineering, India), S Vinayaka Pyati (New Horizon College of Engineering, India), Prathyusha Thammineni (New Horizon College of Engineering, India), and Santosh Krishna BV (New Horizon College of Engineering, India)</i>	

NariNavi-Women and Public Transportation Safety .....	158
<i>Srividhya Ganesan (New Horizon College of Engineering, India), Nirmala M (New Horizon College of Engineering, India), Mohana P M (New Horizon College of Engineering, India), Pandirala Somanatha Reddy (New Horizon College of Engineering, India), and Monish P (New Horizon College of Engineering, India)</i>	
Mobile Menagerie: Evaluating and Implementing CNNs for Real-Time Animal Species Recognition on Smart Devices .....	163
<i>Jeevan Um (Global Academy of Technology, India), Mahesh N D (Global Academy of Technology, India), R C Ravindranath (Global Academy of Technology, India), Shridhar Devamane (Global Academy of Technology, India), Lakshmikantha G C (Global Academy of Technology, India), and Subhash Kamble (Global Academy of Technology, India)</i>	
Performance Comparison of Machine Learning Algorithms for Coronary Heart Disease Prediction .....	170
<i>Bharath RC (Global Academy of Technology, India), Aneesh RT (Global Academy of Technology, India), Aniruddha GJ (Global Academy of Technology, India), Shridhar B. Devamane (Global Academy of Technology, India), Ravindranath R.C (Global Academy of Technology, India), and Lakshmikantha G C (Global Academy of Technology, India)</i>	
Inherited Eye Diseases Recognition in Children's Age Using Pupilometry .....	174
<i>Sangeetha Murugan (Madanapalle Institute of Technology &amp; Science, India), Mohammed Vasim Palyam Shaik (Madanapalle Institute of Technology &amp; Science, India), Nithin Rokkam (Madanapalle Institute of Technology &amp; Science, India), Nitin Chintaginjala (Madanapalle Institute of Technology &amp; Science, India), and Kishore Reddy V (Madanapalle Institute of Technology &amp; Science, India)</i>	
An Automated Live Streaming and Uploading Video Recording Assistance System Using Real-Time Based Object Detection, Tracking, Audio Recognition Techniques .....	179
<i>Satheesh N (Jain (Deemed-to-be University), India), Vasukidevi G (Sri Venkateswaraa College of Technology, India), Raghava Rao N (Institute of Aeronautical Engineering, India), Anthoniraj S (Jain (Deemed-to-be University), India), Ramakrishna Vadrevu (Aditya College of Engineering and Technology, India), and G.S. Venkatesan K (MEGHA Institute of Engineering and Technology for Women, India)</i>	
VISION:Visual Insight Solution Interface Outreach Navigator .....	184
<i>R.Chinna Rao (Malla Reddy College of Engineering and Technology, India), Anandbabu Gopatoti (Hindusthan College of Engineering and Technology, India), Murikipudi Sri Datta Vasu Dev (Malla Reddy College of Engineering and Technology, India), Tadakala Likitha (Malla Reddy College of Engineering and Technology, India), C.Sateesh Kumar Reddy (Vignan's Foundation for Science, Technology and Research, India), and Patil Mounica (Vardhaman College of Engineering, India)</i>	



## FN-6

Cyclone Intensity Estimation Using Deep Learning and Convolutional Neural Networks .....	190
<i>Aishwarya Aishwarya (New Horizon College of Engineering, India), Arnab Basu (New Horizon College of Engineering, India), Arpita Kumari (New Horizon College of Engineering, India), M Dhanalakshmi (New Horizon College Of Engineering, India), and Yogitha Yogitha (New Horizon College of Engineering, India)</i>	
AI-Powered Dermatological Diagnosis for Diverse Skin Diseases .....	194
<i>Vernika Singh (New Horizon College of Engineering, India), Ashok K (New Horizon College of Engineering, India), Navya M (New Horizon College of Engineering, India), P Malvika Reddy (New Horizon College of Engineering, India), and Pranisha F (New Horizon College of Engineering, India)</i>	
Celebrity Lookalike Model Generation Using GAN .....	200
<i>Sripradha R (Global Academy of Technology, India), Niharika Kiran (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Evolution and Application of Handwritten Text Recognition Using Deep Learning .....	204
<i>Thanushree VV (Global Academy of Technology, India), Shivani Choudary K (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Comparison of Various ML Models for Accurate Brain Tumor Detection Using Machine Learning Algorithms .....	210
<i>Akshitha Y C (Global Academy of Technology, India), Bhagyashree A (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), and Trupthi Rao (Global Academy of Technology, India)</i>	
Semantic Threads Enabling Image-Text Retrieval via VQA Transformers .....	215
<i>Junnubabu Noorbhasha (Computer Science &amp; Technology Madanapalle Institute of Technology &amp; Science, India), Rohitha Guddeti (Computer Science &amp; Technology Madanapalle Institute of Technology &amp; Science, India), Satvika Lingutla (Computer Science &amp; Technology Madanapalle Institute of Technology &amp; Science, India), Sujitha Etikikota (Computer Science &amp; Technology Madanapalle Institute of Technology &amp; Science, India), and Santhosh Kumkumkari (Computer Science &amp; Technology Madanapalle Institute of Technology &amp; Science, India)</i>	
Achieving Provably Effective Quantum Algorithms for Extensive Machine Learning Models .....	219
<i>Satheesh N (Jain (Deemed-to-be University), India), Rashmi Dixit (Walchand Institute of Technology, India), Venkataramana S (S.R.K.R .Engineering College, India), Anthoniraj S (Jain (Deemed-to-be University), India), Bala Gurivi Reddy Vemi Reddy (New Middle East International School, Saudi Arabia), and Jitendra Singh (SRM Institute of Science and Technology, India)</i>	

Efficient Detection of Lung Diseases Using Deep Learning Through Scan Images .....	225
<i>Poornaiah Billa (Lakireddy Bali Reddy College of Engineering, India), J. Divya (Lakireddy Bali Reddy College of Engineering, India), P. Lakshmi Lavanya (Lakireddy Bali Reddy College of Engineering, India), M. Vidya (Lakireddy Bali Reddy College of Engineering, India), and Anandbabu Gopatoti (Hindusthan College of Engineering and Technology, India)</i>	

## AN-7

Block Chain Based Inter-Organizational Secure File Sharing System .....	230
<i>Bandari Channarayana Priya (New Horizon College of Engineering, India), M Dhanalakshmi (New Horizon College of Engineering, India), Bommu Tharun Kumar Reddy (New Horizon College of Engineering, India), A Rohith (New Horizon College of Engineering, India), and Bysani Roopa Reddy (New Horizon College of Engineering, India)</i>	
Sewage Monitoring and Blockage Detection System Using IOT .....	236
<i>Maruthupandi J (New Horizon College of Engineering, India), Nirmala M (New Horizon College of Engineering, India), Pavan V (New Horizon College of Engineering, India), Bhavit Kumar K (New Horizon College of Engineering, India), Manikanta P (New Horizon College of Engineering, India), and Santhosh Krishna B V (New Horizon College of Engineering, India)</i>	
Exploring the Dynamics of Customer Attrition: A Machine Learning Perspective in Banking .....	242
<i>Khushi Vijay (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Rohini B R (Global Academy of Technology, India)</i>	
Machine Learning and NLP Integration for Robust Network Intrusion Detection .....	246
<i>Trupthi Rao (Global Academy of Technology, India), Ashwini Kodipalli (Global Academy of Technology, India), Gargi N (Global Academy of Technology, India), and Bhavani Soma (Global Academy of Technology, India)</i>	
Naive Bayes Classifier for Cascaded H-Bridge Multi-Level Inverter Open Circuit Fault Diagnosis .....	252
<i>Naresh Kumar A (Institute of Aeronautical Engineering Hyderabad, India), Lingaswamy K (Institute of Aeronautical Engineering, India), Nagaraju Malleboina (University of the Cumberland, USA), Ramesha M (GITAM (Deemed to be University), India), Uday Kiran Elemasetty (Toronto Metropolitan University, Canada), and Viswanath Allamraju K (Institute of Aeronautical Engineering, India)</i>	
Four Circuit Transmission Line Fault Detection and Classification Method Using Wavelet Packet Transform and Support Vector Machines .....	256
<i>Rukmananda Appa (Electronics Engineering, Vijaywada) and Srinivasa Varma Pinni (Electronics Engineering, Vijaywada)</i>	

Design and Implementation of 4-bit Synchronous up Counter Using GSDK 45 Technology .....	261
<i>Poornaiah Billa (Lakireddy Bali Reddy College of Engineering, India), L. Uday Kiran (Lakireddy Bali Reddy College of Engineering, India), Y. Jigeesha (Lakireddy Bali Reddy College of Engineering, India), B. Baby Shalini (Lakireddy Bali Reddy College of Engineering, India), and Anandbabu Gopatoti (Hindusthan College of Engineering and Technology, India)</i>	

## AN-8

Curbside Waste Management System .....	266
<i>Bhavya R (New Horizon College of Engineering, India), B Rajalakshmi (New Horizon College of Engineering, India), Preran V (New Horizon College of Engineering, India), Ruthvik D N (New Horizon College of Engineering, India), and G V Srushil (New Horizon College of Engineering, India)</i>	
Healthy: Multiple Disease Prediction .....	270
<i>Florance G (New Horizon College of Engineering, India), Santhosh Krishna BV (New Horizon College of Engineering, India), Yaswanth Sai Gajula (New Horizon College of Engineering, India), Umesh Golla (New Horizon College of Engineering, India), and Chandan Rao M (New Horizon College of Engineering, India)</i>	
Predictive Analytics in Cardiology: Machine Learning Techniques for Heart Disease .....	274
<i>Vishal Kumar I B (Global Academy of Technology, India), Darshan B S (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Ashwini Kodipalli (Global Academy of Technology, India)</i>	
Sentiment Analysis: A Tool for Social Media Analytics Research .....	278
<i>Urmika S (Global Academy of Technology, India), Heera Prashanth (Global Academy of Technology, India), Trupthi Rao (Global Academy of Technology, India), and Ashwini Kodipalli (Global Academy of Technology, India)</i>	
Principal Component Analysis Based Thyristor Controlled Series Compensation Transmission Line Fault Location .....	282
<i>Rukmananda Appa (Electronics Engineering, Vijaywada) and Srinivasa Varma Pinni (Electronics Engineering, Vijaywada)</i>	
DeepBone: Using Convolutional Neural Networks to Improve Diagnostic Precision in Bone X-Ray Analysis .....	286
<i>Pellakuri Vidyullatha (Koneru Lakshmaiah Education Foundation, India), G S Pradeep Ghantasala (Alliance University, India), Amol Bhoite (Krishna Vishwa Vidyapeeth "Deemed to be University", India), Madhuranjan Vatsa (Akhildev IPR and Research Services, India), Suresh Kallam (Jain (Deemed-to-be University), India), and Vijayalaxmi Rajendran (Christ University, India)</i>	
Ensemble Classifiers For Malware Classification Using Static And Dynamic Analysis .....	291
<i>Soja Rani S (Dayananda Sagar University, India) and Mouleeswaran S K (Dayananda Sagar University, India)</i>	

<b>Author Index</b> .....	<b>297</b>
---------------------------	------------