

2026 International Conference on Recent Advancement in Electrical, Computer and Communication Technologies (IECCT 2026)

**Bangalore, India
10-11 April 2026**

IEEE Catalog Number:
ISBN:

CFP269AQ-POD
979-8-3315-7141-2



Copyright © 2026, IEEE

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:	CFP269AQ-POD
ISBN (Print-On-Demand):	979-8-3315-7141-2
ISBN (Online):	979-8-3315-7140-5

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
Web:	www.proceedings.com

TABLE OF CONTENTS

Smart IoT Framework for Fault Detection and Localization in Three-Phase Underground Power Cables	1
<i>Dhanya Shree S, Dimpal K J, Chandana D, M N Harshitha, Santhosh Kumar K B, Sushma N</i>	
Balancing Latent Capacity and Heat Generation in PCM-Cooled Li-Ion 5S6P Modules	7
<i>Bansilal Bairwa, Vaishnavi KM, Sachin P, Sapthami K, Reigo Melwin S, Vinay Kumar Jadoun</i>	
Intelligent Invoice Verification and Overbilling Detection Using OCR and LightGBM	13
<i>Peddireddy Ashvitha Reddy, G Keerthi, T. V. Smitha</i>	
Aquatwin: A Digital Twin Framework for Early Detection of Water Contamination	19
<i>Sharmila K P, Vinay K S, Vinayak Patil, Rohit Shebinakatti, Yashaswini S</i>	
Fault Classification in Transmission Lines Using a Hybrid CNN–LSTM Model With Aquila Optimization	24
<i>V.Rajesh Kumar, Divya Muralitharan, Ravindran S, P.Thiruselvan, Mahesh K, Elaiyaraja P</i>	
Power Flow Control of a Grid-Connected Hybrid Renewable Energy System employing a Multiport Converter: A Simulation Study	30
<i>Kruthi Jayaram, Vidya H A</i>	
Intelligent Dynamic Task Scheduling in Embedded Systems based on CPU Load using FreeRTOS	36
<i>P. Kowsalya, Shaik Javeed, S. Lokesh, Lokeswar Reddy Pathakunta, K. Sathesh, E. Aravindraj</i>	
Power Quality Enhancement using Shunt Active Power Filter employing SPWM and Hysteresis Control Techniques for Electric Vehicle Charger Loads	41
<i>Priyashree S, Madhu S, Shruti V Joshi</i>	
Identification of Diseases in Mulberry Leaves Using a CNN-Based Sequential Model	47
<i>Hithaishi M A, Lata B T, Manjunath D G</i>	
High Performance Computing for Effective CT & MRI Image Segmentation	53
<i>Murugan S, Arpitha J, Veda N, Archana M, Prema Arokia Mary G, Nageswara Guptha M</i>	
A Lightweight Explainable Deep Neural Network for Multi-Class Intrusion Detection	58
<i>Manjula M, Venkatesh</i>	
V-Chain: Secure and Transparent Vehicle Lifecycle Management Using Permissioned Blockchain	64
<i>Md. Tauseef, Manjunath R Kounte</i>	
Comparative Analysis of Deep Learning Architectures for Bias-Aware Toxicity Classification	70
<i>Gayathre V, Sruthi B, Sucheta P, Vibhushana Baskar, Yuthiga J A, Gopika V, Kirubavathi G</i>	
Performance Evaluation of Regularization Effect on the Tomato Leaf Identification Based on Logistic Regression ML-Framework	76
<i>Sanjay S, Raghu C N, Ritesh Dash</i>	
Neural Representation Learning for Unsupervised Control-Flow Concept Drift Detection	82
<i>Atyasha Apurva, Ananya Kulkarni, B Swathi, Manoj Kumar MV, Prashanth BS, Sneha HR</i>	
SIPREC-Compatible NLP Pipeline for Real-Time Entity Extraction in Regulated Voice	88
<i>Venkata Bhanu Pratap Bommineni, Rama Venkata Subrahmanyam Chennam, Sri Vidya Bommineni</i>	

Early Congestion Prediction Using Directional Crowd-Flow Conflict Analysis	95
<i>Bosubabu Sambana, Sathvik Rangu, A.Siva Kumar, Sura Manoj, T Tirupathirao, Ramya T</i>	
Smart Urban Transit Management System	101
<i>Milan Saju, Milan Vargheese, Saran Sankar, Tresa Maria Denny, Juby Mathew</i>	
Energy-Efficient Container Orchestration for HPC Workloads using ML in Kubernetes on Cloud Platforms	107
<i>Abhimanyu Bajaj, N.S.Pradeep, V.Aarthi</i>	
A Low-Cost VOC-Based Electronic Nose System for Real-Time Bacterial Air Quality Assessment	113
<i>Akhilesh S Pujar, Dilip Kumar S M</i>	
Multimodal Framework for Early Detection of Crop Yield Disease System Using Deep Learning	119
<i>Bosubabu Sambana, Shaik Humaira, Sirigireddy Swetha, Thallam Phanendra Sai Amujuru Yasoda Rama Tulasi, Ramya T</i>	
An Enhanced Digital Image Forgery Detection Framework Using ConvNeXt-WSL with TruFor-Inspired Forensic Learning	125
<i>M R Nidhi, Dharamendra Chouhan</i>	
Compact Self-Diplexing Dual-Band Planar Microstrip Antenna for Sub-6 GHz C-Band Applications	131
<i>S. Rajasekaran, Gandhapudi Akhila, N. Bhavya Sree, D. Amaresh, N. Avinash Reddy</i>	
NeuroNest: Multi-Modal AI System for Autism Prediction and Assistive Developmental Support	136
<i>Harini Sri S, B. Saishree, Deepthi S. V, Harmayni Khandal, Savitha Hiremath</i>	
Low-Light and Thermal UAV-Based Threat Detection Using Image Enhancement and Deep Learning	142
<i>Parth Mehandru, Pratham N, Rithesh M N, Prakhyath N Swamy, Aswini N</i>	
Deep Feature Extraction Using ResNeXt-50 With Golden Lichtenberg-Based Optimization for Cervical Cytology Screening	148
<i>Anusha M, Anitta D, Ashwini Dayanand Naik, Manjunath D G</i>	
Optimal Power Flow Solution of Lagrangian Particle Swarm Optimization in IEEE 14, 30, and 57 Bus Systems	154
<i>Mohammad Mukheem Basha, Kanna Bhaskar</i>	
Segmentation-Aware Hybrid CNN-ViT for Plant Leaf Disease Classification	160
<i>Ann Maria Anto, G. Kirubavathi, Amal Ajayan</i>	
AI-Driven Self-Supervised Transformer Framework for Explainable and Early Insider Threat Detection	166
<i>Venkateswaran Radhakrishnan, Dheeraj P, S Heshika Varthini, Kirubavathi G</i>	
AI-Based Alzheimer's Detection and Severity Classification with Explainable Models and Blockchain	172
<i>E. Mani Deep, Amar Jukuntla, P. Venkata Varun Kumar, K. Sai Yashwanth</i>	
Power Loss in a Solar PV Array Using Franklin Magic Square Reconfiguration under Partial Shading Conditions	178
<i>B.Karthick, K.Lakshmikhandan, Sujana Nandavaram</i>	
A Deep Learning Approach to Oral Cancer Detection Using Swin Transformers	184
<i>R. RajaSekar, Shaik Mastan Vali, T. Siva Sai Rama SubbaReddy, Leela Krishna, Manoj Sai</i>	

Mathematical Modeling and Kinematic Analysis of a 20-DOF Humanoid Robot	189
<i>Tanish Prajwal GC, Bansilal Bairwa, Tejas PS, Soorya S Joshi, Aditya Reddy, Siddanth Ashok</i>	
An Ensemble-Based Deep Learning Framework for Automated Multi-Class Diabetic Retinopathy Severity Classification	195
<i>Priyadarshini R, Sumanth S, Sudeep Kumar, Vinay Kumar V</i>	
Multi-Source Data Fusion for Global Crop Yield Prediction: A SHAP-Driven Ablation Study	201
<i>Venkateswaran Radhakrishnan, Sandra K S, Dhanisha K R, Kirubavathi G</i>	
Design & Development of a Multi-Layered Bio-Inspired Neuromorphic Encryption Framework with Genetic Algorithm-Based Key Evolution	207
<i>Vijaykumar S, Shima Ramesh Maniyath</i>	
AI-ML-Based IP Framework For Accurate Brain Tumor Detection in IoT-Enabled Medical Imaging	212
<i>Shwetha G.K., Sarika Ghanshyam Jadhav, Suruthi S., A. Shaji George, Athira Manoj, T.C. Manjunath</i>	
RegGNN: Heterogeneous Graph Neural Network for AML Detection via Regulatory Signal Integration	218
<i>Theophilus F, Sanjay R, Sanjay Kumar R, Sanju P G</i>	
LightROI-Net: An Ultra-Lightweight CNN for Real-Time Selective Image Encryption in IoT	224
<i>Varsha P Hotur, M Brindha</i>	
Power System Fault Detection Using Swing Equation-Based Features And Machine Learning	230
<i>Nikhil Jonna, Trishitha Tirupathi, Manitha P V</i>	
Comparative Framework for Multi Industry Electrical Load Pattern Analysis Based on Time Domain Statistical and Discrete Wavelet Transform Energy Features	236
<i>Gowri Shankar Manivannan, Swathy B A, Rajanna S, Nayana K V, Rohan H V, Sampath H J</i>	
AI-ML and IoT-Enabled Fog-Assisted Image Processing Framework Employing CNN's	241
<i>Rani Ramrao Patil, A. Shaji George, Ganesh S. Wedpathak, Supriya Shree, Harishchander Anandaram T.C. Manjunath</i>	
AI and ML-Driven Study on Underwater Image Enhancement Utilizing Variational DIP Frameworks	247
<i>Ishani Mishra, Lavanya Krishnamurthy, Deepthi V, Sharvani G. R., Pavithra G., T.C. Manjunath</i>	
Explainable Real-Time Multimodel Framework For Skin Disease Prediction Using EfficientNet-B0	253
<i>K. Malarvzhi, Mohammed Suhail Mk, Jasir R, Rithik Santhosh, Al Ameen Pa</i>	
Robust and Stable Optimized Deep Belief Learning for Predictive Scheduling in Vehicular Fog Computing	259
<i>Naveen Kulkarni, Arunkumar Gopu</i>	
Multi-Zone Short-Term Load Forecasting Using Time Series and Learning-Based Models	265
<i>Balkrishna, V R Srividhya, Surbhi Agrawal</i>	
A Comparative Study of Quantum-Classical Approaches in Neural Network Architectures for Medical Imaging Applications	270
<i>Varun Kumar B, M. Rajasekaran</i>	
Real-Time Helmet-Mounted Fall Detection Using IMU Sensors and Gradient Boosting	276
<i>Harshada Yuvaraj, Pasupuleti Satwik, Prakash Marimuthu</i>	

LiteSegFormer: An End-To-End Optimization And Deployment Approach For Efficient SegFormer Based Semantic Segmentation	282
<i>Sreejith S, Savitha DK, Lakshmi Annamalai, Arshad Jamal</i>	
DCMT-SegNet: Mitigating Confirmation Bias in Semi-Supervised Rib Segmentation via Dual Competing Students	288
<i>Poornanand Purushottam Naik, Mahendra Pratap Singh</i>	
Random Forest and Decision Tree-Based Predictive Maintenance of Solar Panels with Real Time Data Acquisition System	294
<i>Kasi Viswanathan P, Monica K M, Parameshwari Shirdhar Gowda, Veena B G, M.Balamurugan Marish Kumar. P</i>	
AI-Driven Vision Systems For Cardiovascular Event Forecasting And Advanced Vehicle Safety Integration	300
<i>M.Vaishnavi, Kamaladharan B, Nandakumar K, Keerthana K P, Annakumari R, Vaishnav V</i>	
Design and Analysis of a Compact Four Port Circular Patch CSRR Loaded MIMO Antenna for 5G mmWave Systems	306
<i>Aravindraj Ezhumalai, Nagireddy Avinash Reddy, S. Charan Teja, N. Deepak Reddy, Manivannan T Subbarao Genikala</i>	
An Efficient Ensemble and Boosting Based Regression Framework for Air Quality Index Forecasting in Hassan District of Karnataka	312
<i>Gowri Shankar Manivannan, Rifa Mariyam, Fathima Zahara</i>	
Towards Robust Detection of Climate-Induced Rainfall Anomalies Using Mahalanobis Distance and Feature-Enriched Time Series	317
<i>Nikhil Sanjay, Vedhesh Dhinakaran, Kopperla Bharath Reddy, N. Neelima, T. V. Smitha, Vivek Venugopal</i>	
Progressive Token Pruning with Feature-Aware Distillation for ViTs	323
<i>Omswaroop T M, Sushmith S Mokashi, Bathala Harsha, Shashikala H K, Pranshu Jain</i>	
Smarter Vision: An Innovative Framework for Intelligent Object Identification Using YOLOv11x	328
<i>Ganesan P, M. Padmapriya, M. Easwaran, V. Elamaram, A.Aranganathan, Merlin Sheeba G, G. Sajiv</i>	
A Gradient Stabilization Approach for Reducing Noise in Image Gradient Computation Using Gaussian Pre-Smoothing for Robust Feature Detection	334
<i>Ganesan P, T. Jerry Alexander, M. Easwaran, V. Elamaram, A.Aranganathan, Merlin Sheeba G, G. Sajiv</i>	
Adaptive Hybrid Reinforcement Learning with Learnable Gating for Car Recommendation	340
<i>Venkateswaran Radhakrishnan, Kirubavathi G, K K Srihari</i>	
A Bi-Mamba-Based Hybrid Deep Learning Framework For ECG Arrhythmia Classification	346
<i>Pihul Waradkar, Kapu Prathik, Sudarshan Hanamantgouda Patil, Sudin G Poojary, Nagarjuna Naik Mude</i>	
MindAid: Real-Time Multi-Modal Framework for Temporal Emotion Variation Analysis, Mental Health State Prediction and Recommendation	352
<i>Suchitra M, Trisheta S, S Gnanapriya</i>	
BioTwin-Agri: A Blockchain-Secured Digital Twin Framework for Modeling Crop–Nutrition toward Public Health Optimization	358
<i>B. Mohanraj, S.B.Manoojkumar, M. Renukadevi, Snehal Rathi, Anitha Baskaran, M. Saravanan</i>	

Spatiotemporal Artifact Based Deepfake Video Detection Using 3D CNNs	363
<i>Syed Owais Umair, Jagadeesh Sai D</i>	
EchoMAE-ASNet: Dual-Track Transformer With Anatomical Cross-Validation for EF Assessment	369
<i>Sanjay Santhosh, Abhijith K Das, Sreeshanth P, Manikandaprabhu Perumalsamy</i>	
Intelligent Analysis and Classification of Diabetic Retinopathy Using Eye Fundus Images	375
<i>S. Jansi, Alekhya Vayyavuru, Haleema Sadiya, M. Mufizul Mallick, Thammisetti Anusha</i>	
Feasibility Analysis of Hybrid Renewable Energy Systems for Sustainable Power Generation	381
<i>Koppola Vasavi, M S Sujatha</i>	
Detection of MITM and Hijacking Threats on Online Communication Application using Hybrid Defensive Intelligent approach	387
<i>R.Surekha, M.Giri, Arava Nandini, Mada Padmavathi, Modi Ramesh, Shaik Mohammad Subahan</i>	
QAOA-Guided Hyperparameter Tuning for Improved Generalization in Deep Learning	393
<i>Pavan Kumar Kasina, Rinkiraj Prasad, Girish Belani, Satendra Gupta, Abhijith Tej Vaddeboina Vivek Nainwal, Tapas Saini, Anoop Kumar</i>	
A Power Optimized 32-Bit Carry Look Ahead Adder Employing PTL and NMOS Power Gated Technique for VLSI Circuits	399
<i>Padma Challa Y. Deekshitha, Y. Sudharani, Y. Sree Latha, T. Chandana, T. Manoj Kumar</i>	
Attention-Enhanced MobileNetV2 for Efficient Satellite Cloud Detection	405
<i>Rakesh Asery, Tejaswini R C</i>	
Explainable Bias-Aware Heart Disease Risk Stratification Using Calibrated Ensemble Learning	411
<i>Pavan Kumar G R, Mala B A, Bharath M B, Omkar S G, Prajwal Jyotiba Shindhe, Ahmed Ali Khan</i>	
Apple Leaf Disease Classification Using Modified Yolov8 Architecture With Enhanced Feature Extraction	417
<i>Gorla Veera Venkata Sai Manoj, Utsho Chanda, Muthiah M A, Mathan N</i>	
Adaptive Edge Data Synchronization via Dual-Stream Attentional Hybrid Networks and Reinforcement Learning	423
<i>Nithya G, Nivetha E, Poornisha K, Navitha Sri M</i>	
Three-Phase Solar PV Integrated UPQC System	429
<i>Lokesh T R, Marutesh. M. Gowda, Jyothi. R</i>	
Unlocking the Ocean's Hidden Diary: Reconstructing Environmental History from the Chemical Clues in Fish Otoliths	435
<i>Mohith Raaj A., Isaac Jeddiah J. K., Subha K.</i>	
Autonomous Digital Twin Intelligence for Proactive Construction Delay Management Using Deep Learning	441
<i>Benaka Santhosha S, Shakunthala C, Sowmya B K, Diana George, Sharad Darshan H C, Yathiraj G R</i>	
A Unified Semantic Alignment Framework for Robust Text Classification	447
<i>Vinitha V, Jobin Thomas, Diana George, Pavithra A C, Vidyashree K P, Yathiraj G R</i>	
A Hyperledger Fabric and IPFS-Based Decentralized Platform for Immutable Contract Governance and E2EE Communication	453
<i>Bharath Singh. J, Surya. K, Udhayan. V. S, Jebarson. S, Sri Hari. K, Vivekrabinson. K</i>	

Design and Implementation of a Sparsity-Aware Tri-Zone Approximate Booth Multiplier for Low-Power VLSI Applications	458
<i>Veena M B, Baby Kruthika K K, Prerana A Rao, Shreyas S Admar</i>	
Deep Learning Based Intelligent System For Visually Impaired Persons At Bus Stations	464
<i>Mugilan S, Sakupar Sadiq A, Bharathi Raju, Bhuvana B P, Harini D, Logapriya J</i>	
A Case Study on the Feasibility of Solar PV Integrated Energy Storage System for Modern Distribution Grid Networks	469
<i>Swati Sharma, Mohammad Amir, Musa Bashir, Mahipal Bukya</i>	
MediScan AI: An Intelligent Patient Record Analysis and Monitoring System	475
<i>N M Balamurugan, Ashwin Kumar C, Harini G</i>	
Hybrid Quantum-Classical Generative Adversarial Network for Synthetic 12-Lead Electrocardiogram Signal Generation	481
<i>Aron Jose A, Shamila Ebenezer</i>	
GRU-Based Framework for Early Sepsis Risk Prediction with Hybrid Balancing	487
<i>B. S. Aarya, M. Roshni Thanka, V. Ebenezer, Stewart Kirubakaran, E. Bijolin Edwin</i>	
Lightweight Vision-Based Docking for UAVs on Resource-Constrained Edge Devices	492
<i>Krishnapriya A, Keerthana Sri V, Sahaya Anselin Nisha</i>	
AI-Driven Framework for Automated Cyberbullying Detection Using Severity-Aware Behavioral Modeling, Temporal Consistency, and Social Network Analysis	497
<i>Venkateswaran Radhakrishnan, Sarath Sriram A, Akash S, Kirubavathi G</i>	
SeizureSense: Explainable CNN–LSTM Framework for Patient-Specific Seizure Prediction	503
<i>Bharath M B, M Sindhu, Aishwarya K, Moulya B, Raksha U, Moulika K</i>	
Convolutional Adversarial Autoencoder Network (CAAN)-based Automated Health Record Retrieval System Using Iris Images	509
<i>Tanisha Das, Sreejita Ghosh, Mayank Mishra</i>	
Hybrid Decentralized Task Allocation for Swarm Rover Search Using Silent Auctions and CBBA	515
<i>Kiran Surya Us, Yashuraj Gupta, T. Ravi, M. Sugadev</i>	
Learning and Aligning Cross-Domain Spectral Discrepancy Using a Hybrid Meta-Adversarial Projection Framework (HMAPF)	520
<i>Salai Jaya Aakhaash K S, Ameen Muhammad K M, Mithul B, K Raja</i>	
NEXORA: Eye Tracking, Voice Command and Gesture Integration System for Enhanced Human-Computer Interface	526
<i>Bhavanishankar K, Dhruthi M Sathish, Deepthi D R, Isiri H S, Likitha M N</i>	
Knowledge Graphs and Analysis for Research Communities	532
<i>G.L.K. Abhiram Reddy, Abhay Margabhandhu, Gyanant Nigam Nayak, Apurva Chaudhari Suruchi Sabherwal</i>	
In-Pipe Micro Hydropower Generation With Embedded Arduino Monitoring	538
<i>M S Sujatha, Gonuguntla Hemavathi, Muram Venkata Rahul, Giraka Dhanunjaya</i>	
TC-GAT: Temporal Causal Graph Attention for Interpretable APT Detection	544
<i>Farhan M. Hameed, Antony Taurshia, Jenefa Archpaul</i>	

Collective Bargaining in Karnataka Public Sector Undertakings: A Computational Analysis of Indian Court Judgments Using NLP and Machine Learning	550
<i>Aakash Y Raj, Gopi Ranga Nath V, Achyutha Nanda Mishra, Md Shaik Amzad Basha</i>	
CultuRASC: A Comprehensive Benchmark for Sarcasm Detection in Hindi-English Code-Mixed Tweets with Novel Combined Loss and Explainable AI	556
<i>Rajashekar, A Uma Devi, M Sridevi, K M Vinay Kumar, Md Shaik Amzad Basha, Isbath K</i>	
Optimization of Lotka-Volterra Equations using Ant Colony Optimization	562
<i>Smriti Kaul, Nakul D. M., Rishabh R., T. V. Smitha, Jyotsna Chandrasekharan</i>	
Design of BESS-based Synthetic Inertia for Mitigating the Low Inertia Effects in High IBR Power Systems	567
<i>Arunkumar Santosh Patil</i>	
Personalised ECG Anomaly Detection Using Deep Transfer Learning	573
<i>Sreelakshmi S Kumar, Indu T, Retheep Raj, Raji Gopalakrishnan Nair</i>	
Intelligent Reflecting Surface Wireless Communication: Overview and Performance Analysis of Passive IRS system	579
<i>S.Subha Bharathi, PandiaRaj Kadarkarai</i>	
Sensor Fusion and Filtering Techniques for Attitude Estimation in Thrust Vector Control Systems	584
<i>Saaniya Zainab, Sathwik P Bharadwaj, Shashank S, Rohan R, Vineeth Kumar P K, Jijesh J J</i>	
5G-Enabled V2X Communication Using Hexagonal Multi-Base Station Architecture with Collision Warning	589
<i>Aditya Kapil Tanikella, Nikhil Dangeti, Shaik Imamvali, Syed Ali Hussain, Mukkara Prasanna Kumar Raghvendra Shukla</i>	
Inverted Plasmonic Hexa-Star Nanoantenna as SERS Substrate with High EM Enhancement	595
<i>Daksh Pandey, Yashna Sharma</i>	
MADDPG For Optimal EVCS, RES And BESS Placement For Distribution Network Resilience	600
<i>E. Kalyana Chakravarthy, A. Lakshmi Devi</i>	
Formally Schedulable ACC and AEB on ARM Cortex-M3: Rate Monotonic Analysis and Adaptive Variance-Weighted Dual-Sensor Fusion	606
<i>Aldrin G, Basil Raymund A, Manoj G, Abith Itty Jacob, Berbiyo Roy E, Allen Benshiel J</i>	
Lightweight Transfer Learning-based SqueezeNet Framework for Multi-Stage Alzheimer's Disease Classification on MRI	612
<i>Anu Joy, M Brindha</i>	
Optimized Machine Learning Approach for Neonatal Jaundice Detection Using HOG-SVM Classification	618
<i>Poshitha M, J Maruthu Pandi</i>	
Renal Calculi Detection and Multiclass Classification Using MobileNetV2 Model	624
<i>Kottaimalai Ramaraj, Anitta D, R Indumathi, G Vinodha, S Sakkaravarthi, S J Kavitha</i>	
Advanced Terahertz Antenna Design with Beam Steering for Next-Gen Wireless Applications	630
<i>Sachin T, Manu Raju</i>	

Enhanced Lung Cancer Detection Using Deep Learning Integrated with Ant Colony Optimization	636
<i>G. Arun Kumar, K. Mourya, J. Om Sai, K. Ooha Vyshnavi, Kuppaiah Pavan, Ediga Ramshiva</i>	