

Table of Contents

1. Pothole Detection and Prediction using Sensors and Machine Learning <i>Nikhil K Khaneja, Kalidindi Lakshmi Sanjana, Raunak Bhupal and Kala Bharatan</i>	1-8
2. IoT based Precision Agriculture using Wireless Sensor Networks <i>Chaitanya Basawade, Arjun Yachwad, Mangesh Gund, Prashant Walunj and Santosh Warpe</i>	9-13
3. Fuzzing for Android Application: Systematic Literature Review <i>Akash Labade and Hemant Ambulgekar</i>	14-24
4. Smart Chair for Posture Detection <i>Sakshi Deshpande, Siddhesh Dehankar, Viraj Mahajan and Shreyash Shiledar</i>	25-29
5. Analysis of Fertilizer Distribution in Agriculture using Wireless Sensor Networks: Review <i>Sahil Mulani, Rohit Chobhe, Tanmay Mane and Santosh Warpe</i>	30-33
6. Performance of Simulated Annealing Variants to Solve Nurse Scheduling Problem Incorporating Preference List and Stable Marriage <i>Sudip Kundu, Suprabhat Maity and Sriyankar Acharyya</i>	34-42
7. Automatic Segmentation of Pathological Retinal Layer using Eikonal Equation <i>Praveen Mittal</i>	43-49
8. Sentiment Classification of Marathi Text using word's N Gram Polarity and Machine Learning Algorithms <i>Pallavi V Kulkarni and Deepa S Deshpande</i>	50-54
9. A Review on Organic Field-Effect Transistors <i>Shivaprasad N and Ashish Raman</i>	55-60
10. Online Hybrid Classifier System of Internet Traffic based on Machine Learning Approach and Port Number <i>Hamza Awad Hamza Ibrahim, Omer Radhi AL Zuobi, Awad M Abaker and Marwan A Al-Namari</i>	61-68
11. Image Compression using Vector Quantization <i>Dineshkumar U Adokar and Ajay A Gurjar</i>	69-76

12. Study of Improved Topologies of Nanowire MOSFET: Solution to Doping Control Issues <i>Krishan Kumar and Ashish Raman</i>	77-82
13. Case based Reasoning using SVM in the Detection of Retina Abnormalities <i>Amrita Roy Chowdhury and Sreeparna Banerjee</i>	83-91
14. Exploring 5G: Technologies, Challenges, and 5G for Enhancement of IoT <i>Sapna Pandey, Mitanshi Vyas and Anu Mangal</i>	92-99
15. Geo Mapping of Waste: A Bottom-Up Approach using Android and SVR <i>Krishnaprasad T R, Ravipati Jhansi, Sai Keerthana and Namitha K</i>	100-107
16. A Novel Channel Selection Method for Motor Imagery BCI System <i>Sruthy Parvathy K and Anish Babu K K</i>	108-113
17. Cross Language Application for Disease Prediction <i>Shivani Butala, Advait Lad, Niket Parekh and Kiran Gawande</i>	114-122
18. A Low-Cost Implementation of an IoT based Food Ordering System <i>Arthav Mane, Janhavi Bhopale, Raksha Jain and Priya Chimurkar</i>	123-128
19. Design and Evaluation of a MIMO ANFIS using MATLAB and V-REP <i>Mokhles M Abdulghani and Kasim M Al-Aubidy</i>	129-136
20. Artificial Intelligence based Video Monitoring System for Security Applications <i>Abhinav Kumar Mallick, Animesh Verma, Utkarsh Sahay, Kumar Shubham and Jayanna H S</i>	137-142
21. Credit Card Fraud Detection using Machine Learning Algorithms - Study of Customer Behaviour <i>Karanam Sravya, Kasthuri C M, Koramutla Ramesh Meghana and Poornima A S</i>	143-150
22. Detection of Network Intrusions using Machine Learning <i>Ruthvik V, Keshav Mittal, Manasa U Hegde, Suhas K and Annapurna D</i>	151-153
23. rPPG Algorithm for Heart Rate Estimation based on Color Intensity <i>Ruchika Sinhal, Kavita Singh and Ravi Wasalwar</i>	154-158
24. Design and Development of Flash Rescue: Emergency Rescue System for the Road Accidents <i>Ayushee Samridhi, Bhavin Patel and Sachin Gajjar</i>	159-166
25. Personalized Diabetic Management using Machine Learning <i>Aparna R, Nirupama, Shwetha K J, Sushmitha R and Tejeshwini R</i>	167-172

26. Evaluation on Various Dc-Dc Non-isolated Maximized Voltage Gain Converter Topology <i>Lipika Nanda and Adyasha Acharya</i>	173-178
27. Performance Enhancement of Solar Array using MPPT through Simulation and Modelling <i>Sankarshan Durgaprasad and Sangeeta Modi</i>	179-185
28. A Study on Strength Properties of Fly Ash and Ground Granulated Blast Furnace Slag based Geopolymer Concrete <i>Binoy Thomas, Chithra K S, Harismitha A, Ananth Raj Kunnath and Deepa Mohan</i>	186-190
29. A Novel Framework for Monitoring the Remotely Located Patients using an IoT based Healthcare System <i>Rekha K S, Shashank S, Rakshith M C, Ranganna S S and Sunag T P</i>	191-195
30. Comprehensive Literature Review: MPPT Techniques for Photovoltaic System <i>Pallawi C Dekate and Kulkarni S M</i>	196-202
31. Hardware Realization of Adaptive Processing for Noise Elimination using TMS320C6713 DSP <i>Swati S Godbole and Jaya R Surywanshi</i>	203-213
32. Census Employee Salary Prediction using Supervised Machine Learning <i>Raghawendra Naik and Pavan N Kunchur</i>	214-219
33. To Find Malicious Transaction in Database Management System by Log Mining Approach <i>Apashabi Chandkhan Pathan</i>	220-226
34. A Model for Analyzing the Sustainability Performance in Educational Institutions <i>Deepak Eldho Babu, Vivek Joseph and Sarath Rajeev</i>	227-235
35. An Approach to Supervised Machine Learning: A survey <i>Padma Charan Sahu, Sanjay Kumar Rauta and Ratnakar Dash</i>	236-241
36. Modeling of Carbon Nanotube Field Effect Transistor based Amplifier in Common Source Configuration using Pspice <i>Shanti Swamy and Bhaskar Patel</i>	242-246
37. Artificial Intelligent Physiotherapy <i>Shalini Singh, Sonal Khule, Shubham Wakhare and Vedant Yadav</i>	247-254
38. Digital Stories to Enhance Cognitive Abilities among Learners <i>Jyothi Masuram and Pushpa Nagini Sripada</i>	255-259

39. A Survey Paper on Data Analysis by using Model KMeans Clustering <i>Sanchita Mondal and Bichitrananda Patra</i>	260-265
40. Direct Power Control for a Multilevel Inverter Fed Induction Motor Drive using Predictive Torque Control <i>Himabindu T, Bhuvaneswari G and Bhim Singh</i>	266-274
41. Tweets Sentiment Analysis using Naive Bayes Classifier <i>Saroj Kumar, Santosh Kumar and Bhawana Chaudhary</i>	275-283
42. Intruder Alert System for Aqua Culture with IoT Gateway <i>Phani Sridhar Addepalli and Tenneti Krishna Mohana</i>	284-289
43. Development of Wireless Weighing Scale for ERP Software in Cashew Industry <i>Mrudula Kulkarni, Kartik Kulkarni, Ashutosh Patil, Chaitra C and Kunchur P N</i>	290-294
44. A Review on 5G Technology: A Heterogeneous Architecture, OSI protocol model & Future Challenges <i>Ankita Shivhare, Arya R K and Roopam Gupta</i>	295-303
45. Convolutional Neural Network based MRI Brain Tumor Identification <i>Kotha Vamshi Reddy, Thathireddy Charan Reddy and Deep Gupta</i>	304-309
46. Transform Domain Rain Removal Methods using Dictionary Learning Approach: A Comparative Study <i>Tangalla Manoj Kumar, Sai Maanas M V N and Deep Gupta</i>	310-315
47. Controlled Prosthesis for upper Limb Amputees using Pattern Recognition Techniques <i>Anisha C D and Arulanand N</i>	316-326
48. Grid-Voltage Synchronization Algorithms based on Phase-locked Loop for Power Converter under Balanced and Unbalanced Conditions <i>Das S K, Moharana J K and Syam P</i>	327-335
49. Color and Texture based Satellite Image Segmentation using Texture based Superpixels Technique <i>Sujata A Gaikwad and Vijaya Musande</i>	336-342