2023 International Conference on Innovations in Engineering and Technology (ICIET 2023)

Muvattupuzha, India 13-14 July 2023



IEEE Catalog Number: CFP23BW1-POD ISBN: 979-8-3503-1000-9

Copyright © 2023 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:
 CFP23BW1-POD

 ISBN (Print-On-Demand):
 979-8-3503-1000-9

 ISBN (Online):
 979-8-3503-0999-7

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

Sl.No	Paper ID	Paper	Page No.
1	13	Real Estate Management System using Blockchain Aaron Peter, Aromal Anil Kumar, Ashwin Rajeev, Ben Baiju, Dr. Varghese S. Chooralil	1
2	16	A Novel Control Scheme for Harmonic Compensation in PV-Integrated System Sreelekshmi S, Thasneem A, Dr. Mathew P Abraham	5
3	17	Speed Control of Variable Speed Wind Turbine Using Computational Intelligence Approaches Ahna Noushad, Salil N	12
4	18	Fuzzy-Sliding Mode Speed Controller with Active Damping Control for Dual PMSM Drives Shahina S, Farsana Muhammed	18
5	22	Forecasting Crop Price using various approaches of Machine Learning Chaitra.B, Dr. Meena K	25
6	38	Design and Deployment of ML Model for Cardiac Disease Prediction-A review Shaik Qadeer, Abdul Gafur M, Mohammed Yousuf Khan, Fahmina Taranum	30
7	41	GUI THAT DETECTS LIVER DISEASE USING MACHINE LEARNING K. Ashok kumar , K.Sri Rama Subrahmanyam , M.Srinivasulu Reddy	37
8	42	Detection of Non Helmet Riders and Extraction of Licence Plate Number K. Ashok kumar, Dharshan, Chandra Sekhar, SD Manikanta	44
9	45	A Study on Computer Aided Neurological Disorder Detection and Classification from fMRI Data Smitha C S, Sathiya S, Soumya T	50
10	46	A Study on Human Emotion Recognition Techniques Kavitha K V, Sudha L R, Jayasudha J S	55
11	52	Non-Contact methods for assessment of respiratory parameters Jisha K V, Dr. T Jayanthi	61
12	53	Machine Learning Based Classification and Grading of Breast Cancer: Review Syam S, K. P. Pushpalatha	67
13	56	A Survey on the Control Techniques used In Process Control Minnu Jayan C, Dr.Rini Jones S B, Dr.Binu L S	72
14	57	IoT Based Smart Plug Anandhu Anilkumar ,Anie George , Aswin M R , Devika G , Anu Jyothy	78
15	59	VN-IDS: An Integrated Virtual Node Protection in Cloud Environment using Intrusion Detection Systems Arunkumar M, Dr. K. Ashok Kumar	82
16	61	The Properties of Carbon Nano Tubes as Electrical Conductors A Review Fareeda A Kareem, Prawin Angel Michael	89

17	63	A Survey Paper on Adenocarcinoma Detection Using Deep Learning Methods Hema S Mahesh, Dr.Rini Jones S.B, Dr. Binu L.S	93
18	64	A Review on the Breast Histopathological Images, Processing and Classification Bibin Binu Simon Dr.Riboy Cheriyan	97
19	69	A Comprehensive Survey on the IoT- Based Electronic Healthcare Records Security, Privacy Issues, and Countermeasures Using Blockchain Technology <i>M. Kumari Kala, M. Priya</i>	103
20	70	A Comprehensive Survey on Ensemble Machine Learning Approaches for Detection of Intrusion in IoT Networks J.Jasmine Shirley, M.Priya	111
21	78	A Flexible Dashboard Architecture for Monitoring the Performance of Field Devices Ms. Ganga Manjima S, Mr. Syed Prof. Ashok S	121
22	80	DyslexiScan: A Dyslexia Detection Method from Handwriting Using CNN LSTM Model Jasira K.T. Prof. Laila V. Jemsheer Ahmed P	128
23	82	Survey On Next Word Prediction Techniques In Natural Languages Sharaheena T, Dr. Sabitha S	134
24	83	Modified Hybrid DC-DC Converter for EV Charging Applications Della David, K U Mansoor, Nafeesa K, Kapildev M K	140
25	89	Deep learning architecture based skin cancer detection using Deep belief network and Grey wolf optimization Ms.Jinu P Sainudeen, Dr.P Hemavathy, Dr.S.Sathyalakshmi	144
26	94	Precise Localization of Optic Disc Region for Accurate Glaucoma Diagnosis Using Deep Reinforcement Learning Naseeha Abdulla E, Najla Musthafa, Jemsheer Ahmed P	151
27	95	REAL-TIME STUDENT EMOTION AND DROWSINESS DETECTION USING YOLOv5 AND CNN FOR ENHANCED LEARNING Afsar P, Dr Shanid Malayil, Aasha Verghese, Aysha Sithara, Amithab Pakarath, Bijoy, Ashmin K T	158
28	99	Deep Learning-based Auto Accident Detection and Alert System for Vehicles Misbah A, Dr Shanid Malayil, Murshida.K.P, Mohammed Binshad, Mohammed Rizvin K.V, Mishal Kandanath	166
29	102	Deep Learning and Grad-CAM for the Diagnosis of Pneumonia Based on X-Rays Jitha k, Mohammed Waleed P, Navas K, Nihad Ahmed CM, Najiya Nasrin CP	171
30	103	MedApp: An Application For Patient's Personal Medical History Maintenance Sarath Krishnan P V, K Nanda Krishnan, Arunima T K, Athul Nath T K, Hema P Menon, Jyothis K P, Davidson Devasiya	176
31	106	Virtual Fencing To Prevent Human Wild Conflict Akhil V, Hareesh R, Rahul C P, Yesudas P Y, Hema P Menon, and Sebin Sunny P	182
32	120	Detection and classification of Diabetic Retinopathy using Pretrained Deep Neural Networks Abini M.A S. Sridevi Sathya Priya	188
33	127	Identification of Fake Reviews: A Review Fathima Beevi P, Dr Abdul Gafur M, Rosna P Haroon	195

34	130	A SCAPS Simulation Study to Optimize Formamidinium Lead Iodide Solar Cells for Sustainable Energy Generation Savita Rawat, Jaya Madan, Rahul Pandey, Avinash Sharma,	200
35	134	SCAPS-1D Simulation Analysis of Antimony Selenide -based Solar Cells with Thickness Dependent Efficiency Vishal Yadav, Rahul Pandey, Jaya Madan and Avinash Sharma	204
36	141	Pneumonia Detection and Classification with CNN-GAN Augmentation Using Fine Tuning Sanchit Vashisht, Shweta Lamba, Bhanu Sharma, Avinash Sharma	208
37	150	Detection of Optic Disc in Fundus Images Using K-mean clusturing with Outlier Removal Method Ananthi.AV, Dheeba .J	213
38	160	Translational Bioinformatics Ontology In Healthcare With Cloud Computing Shivangi Rai, Isha Jain, Alokita Vij, Eva Kaushik	219
39	162	Evaluation of Machine Learning Algorithms for Heart Disease Prediction in Healthcare Shikha Prasher, Leema Nelson, Shanmugasundaram Hariharan	225
40	163	Seven Class Skin Disease Classification using Pre-trained MobileNet Network Poonam Shourie, Vatsala Anand, Sheifali Gupta	229
41	164	Covid-19 Detection Through CoughSounds: A Comparative Study Using XGboost and RESNET. Preetha V K, RosnaP.Haroon, Dr.Abdul Gafur M,Jiyamol M.S	234
42	166	Power Electronic Traction Transformer with Minimum Losses Lipin Paul, Anju Mary Mathew, Aisha Meethian, Dr. Shebin Sharief	239
43	167	Holographic Lenses for the Precision Measurement of Surface Displacement in Speckle Metrology Arasad Ali Khan, Hira Lal Yadav	246
44	177	A Smart Electric Bicycle with Hybrid Charging Capabilities Dr. Sachin Gee Paul, Ajilbert Ambrose, Mohammed Ansar K H, Amlin Joseph, Hyasul Sara Beegom	250
45	178	SEWAGE MONITORING SYSTEM FOR BLOCKAGE POINT DETECTION Mr. Muhammed Suhail P P, Ms. Joice T , Dr. Rakhi Venugopal, Mr. Nithin Rajan	256
46	185	AGROASSIST:AGRICULTURE AUTOMATION Alex Babu P, Ann Mariya Johny, Aleena Anthony, Aleena Mariya, Dr. Silpa P.A, Ms. Ambily Franci	262
47	191	A Machine Learning Based Approach to Predicting Flight Fares for Indian Airlines Vageesh Dixit, Dr. R. Srinivasan	268
48	192	Breaking classification Algorithms: A Black-Box Adversarial Attack for Data Poisoning Lourdu Mahimai Doss P, Dr. M Gunasekaran	273
49	207	Two-Layered Machine Learning Approach for Sentiment Analysis of tweets related to Electric Vehicles Soumya Sathyan, Jomole Joseph, Dr. Ravikumar Pandi V, Dr Surender Reddy	279
50	260	Design and Development of Anti-sleep Goggles for Drowsiness Detection while Driving to Avoid Accidents Inbamalar T M, Amala Justus Selvam M, Chettiyar Vani Vivekanand, Arthi Devarani P, Arun Prathap R, Prasanna Kumar S	285

51	279	Domestic Violence Detection System Using Natural Language Processing Fathima K S, RosnaP.Haroon, FithaF athima, Thameesa T hajudeen, MuhammedSherafudin	291
52	291	Enhancing Khalifa Satellite Imagery Resolution with AI-Powered Super ResolutionGenerative Adversarial Networks (SRGAN) Murshid P Abdul Rasheed, Rahul Rajeev, Nisha Shamsudin, Rosna P Haroon, Saeed Al Mansoori, Alavikunhu Panthakkan	297
53	292	Enhanced YOLOv7 Model for Accurate Vehicle Detection from UAV Imagery Sangeeth Mathew John, Fathima Abdul Kareem, Sachin Gee Paul, Abdul Gafur M, Saeed Al Mansoori, Alavikunhu Panthakkan	301