2021 First International Conference on Advances in Computing and Future Communication Technologies (ICACFCT 2021)

Virtual Conference 16 – 17 December 2021



IEEE Catalog Number: CFP21BE8-POD ISBN:

978-1-6654-2077-8

Copyright © 2021 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:
 CFP21BE8-POD

 ISBN (Print-On-Demand):
 978-1-6654-2077-8

 ISBN (Online):
 978-1-6654-2076-1

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





Technical Programme

Page	Paper Title	Author(s) Name
13	Tomato leaf disease detection and classification based on deep convolutional neural networks	Priyanka Pradhan , Brajesh Kumar
110	Design of TFET with Ferroelectric Gate Material for Low Power Applications	Rituraj Kawale, Ankit Pachouri, Yogendra Singh and Lucky Agarwal Rituraj Kawale, Ankit Pachouri, Yogendra Singh, Lucky Agarwal
18	MEDICAL DATA CLASSIFICATION USING VELOCITY ENHANCED WHALE OPTIMIZATION ALGORITHM	Soumya Das,Monalisa Nayak,Manas Ranjan Senapati,Jeetamitra Satapathy
23	6G Communication: Next Generation Technology for IoT Applications	Prashant upadhyaya, Suniti Dutt, Ruchi, Sheetal Upadhyaya
135	EMBEDDING AND RETRIEVING THE AUDIO FILE USING AUDIO STEGANOGRAPHY	Anju Gera,Dr.Vaibhav Vyas ,Pawan Singh
27	Crop Disease Classification Through Image Processing and Machine Learning Techniques Using Leaf Images	VIBHOR KUMAR VISHNOI, KRISHAN KUMAR, BRAJESH KUMAR
33	COVID-19 Diagnosis from Cough Acoustics using ConvNets and Data Augmentation	1Saranga Kingkor Mahanta, 2Darsh Kaushik, 3Hoang Van Truong, Shubham Jain, Koushik Guha
39	Deepfake Detection using Inception-ResnetV2	1Akshay Verma, 2Dipesh Gupta, 3Manish Kumar Srivastava
42	FCSM: Fuzzy Cloud Selection Model using QoS Parameters	Mohammad Faiz, A.K. Daniel
140	Energy-Efficient Routing Protocol for Coverage and Connectivity in WSN	Ashok Kumar Rai, A.K. Daniel
48	Aspect Based Sentiment Analysis Using Rule Based Approach	Vudatha Usha , K. Prema
179	Modeling and Simulation of Grid Connected PV System	Vimal Katiyara Mohd Ilyas, Abul Saeed Azad
160	Urge To Implement IOT For Monitoring And Preventing Blood Bank System Crisis	Saurabh Pargaien, Amrita Verma Pargaien, Bhawana Chilwal, *Neetika Tripathi, Himanshu Joshi , Hansi Negi
98	Illustration of a Parallel and Discrete Event Simulator using Scala	Beulah Evanjalin, Saranya R, Kiran Kumar Kondru
1	Performance Evaluation of a Hybrid Medium Access Control Protocol for Machine-to-Machine Networks	Rohit Khatri, Ansh Verma, Pawan Kumar Verma, Rajesh Verma
114	Impact of tunneling length on analog/RF performance of L-shaped TFET	Prabhat Singh and Dharmendra Singh Yadav
52	LSTM AND NLP BASED FORECASTING MODEL FOR STOCK MARKET ANALYSIS	Ramkrishna Patel, Vikas Choudhary, Deepika Saxena, Ashutosh Kumar Singh
186	Thermal load calculation of building envelope set up with the help of a drone setup	Mohammad Zeeshan,Md Rakeeb Alam,*Osama Khan,Mohd Parvez,Abul Saeed Azad
119	Extraction and Comparative Inspection of several parameters of 6T, 8T, 10T SRAM	Rakesh Murthy Gangadari , Dharmendra Singh Yadav
146	Multi-broadcasting in Trees of a Given Diameter	Suruchi Gautam
58	A Comparatively Study of Machine Learning Approaches to Predict Service of Disease Haemophilia A	Kamal kumar, Prem kumari verma, Nagendra Pratap Singh
263	Design of a Low Level Offset Op Amp Using Ping Pong Auto Zeroing Architecture	Rajani Kant Tiwari, Indu Saini
166	Classification of Security Attacks in Healthcare and associated Cyber-harms	Mohammad Aijaz, Mohammed Nazir, Malik Nadeem Anwar
104	e-Learning Barriers and Ergonomics	Shahjad, K. Mustafa
191	An analysis on grid connected roof top solar PV system using PVsyst software	Aashwin Prasad , Dr Omveer Singh
151	Data Structures for Delay Reduction in Vehicular Ad hoc Networks	1RAGHAVENDRA PAL, 2RAJ KUMAR THENUA
7	Metamorphic Cryptography Using 8-Way Dynamic DNA Sequencing & KIMLA Method	IRITIMA TRIPATHI,2LOKENDRA SINGH UMRAO,3ABHINANDAN TRIPATHI
217	Blockchain-based solution for Demand Forecasting in Supply chain	Amitesh, Divya Kumar
62	Analysis of Various Smart Traffic Lighting Systems	1Dr. A. Jagadeeshwaran, 2H. Shree Kumar, 3Dr. Saiyed Salim Sayeed, 4Dr. Chockalingam Aravind Vaithilingam
69	Identification of Anxiety and Depression Using DASS-21 Questionnaire and Machine Learning	Astha Singh, Divya Kumar
174	SMART PILL REMINDER	1 Dr. A. Jagadeeshwaran, 2H. Shree Kumar, 3Dr. Saiyed Salim Sayeed, 4Dr. Chockalingam Aravind Vaithilingam

(Virtual Mode)

1st International Conference On Advances In

Computing & Future Communication Technologies

IEEE Conference Record ID: #53978

16-17 December, 2021

Meerut Institute Of Engineering & Technology, Meerut, India

75	Employing Unsupervised Learning Algorithm for Stock Market Analysis and Prediction	Anurag sinha,Pawan Mishra,Md. Ramish,Hassan Raza Mahmood,Dr. Kamal Kishor Upadhyay
80	Breast Cancer Detection Using Principal Component Analysis and Machine Learning Models	Sarthak Sanjay Tilwankar, Dr. Bhupendra Singh Kirar
125	Design of a High Speed and Low Power Charge Shared Based Dynamic Comparator for ADC Application	Nivedita Rai, Anurag Yadav, Subodh Wairya
197	Expansion of Isolated Generator System with Self Excited Induction Generator	Ashish Sharma,Deepa Kumari,Rinku Sharma
202	To analyze the comprehensive Review MPPT Techniques of Wind Driven PMSG	Nirmal Kumar Agarwal , Dr Archana Rani, Dr. Abhinav Saxena
208	Performance Analysis of Different Techniques of Traffic Control System	Sachin Pachauri,Ramashankar Yadav,Sudhanshu Maurya,Gaurav Verma, Abhinav Saxena, Nirmal Kumar Agarwal
85	An enhanced hybrid approach for building of Question Answering Prototype	1Vikas Bali, 2Amandeep Verma
225	Designing A Secure Vehicular Internet of Things (IoT) using Blockchain: A Review	ATUL LAL SHRIVASTAVA,RAJENDRA KUMAR DWIVEDI
212	Wind Turbine Fed Dynamic Voltage Restorer Using Fuzzy Logic Controller for Voltage Disturbance Mitigation	Apoorva Srivastava, Kishan Kumar, Akhilesh Kr. Maurya
91	An Overview of Retinal Image Classification-Techniques and Challenges	Akanksha Bali, Vibhakar Mansotra
231	Current COVID-19 Analysis and Future Pandemics Prediction using Internet of Everything (IoE)	Ajay Kumar Singh, Shivangi Sharma
269	Cloud computing security analysis based on RC6, AES and RSA algorithms in user-cloud environment	Dheresh Soni, Vipin tiwari, Bhupinder Srao, M. Kumar
131	A 4-bit Barrel Shifter Design using Diverse Logic Style	Priyanka Tiwari, Amit Kumar
237	Review on Metamorphic Cryptography: A Combined Approach of Cryptography & Steganography Techniques	RITIMA TRIPATHI, LOKENDRA SINGH UMRAO, ABHINANDAN TRIPATHI
243	Compression & Extraction of the Region of Interest from Medical Images through Deep Learning Methods	Manali Gupta, Dr. Sanjay Kumar Sharma, Roshi Saxena, Sonia Arora, Yaduvir Singh
248	Multi-classification of COVID-19 and pneumonia in chest X-ray images using convolutional neural network	Faraz Omar, Zara Nasim, Muhammad Izharuddin
253	Comparison and analysis of deep learning for Dehazing	RAJAT TIWARI
258	A Review on Low Latency Web Data Packet Distribution using CloudFront	Aditya Pratap Singh, Piyush Rai, Avadhesh Kumar Dixit
155	Improved image encryption technique for reversible data hiding using binary block embedding	Subodh kumar and Rajendra Kumar