Twelfth International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT 2021)

Grenze International Journal of Engineering and Technology (GIJET) Volume 7, Issue 1

Hyderabad, India 27-28 August 2021

Part I of II

Editors:

Janahanlal Stephen Parveen Sharma Yogesh Chaba K.U. Abraham Anooj P.K. Noor Mohammad Gylson Thomas Satuluri Srikiran

ISBN: 978-1-7138-3527-1

Printed from e-media with permission by:

Curran Associates, Inc. 57 Morehouse Lane Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2021) by Grenze Scientific Society All rights reserved.

Printed by Curran Associates, Inc. (2022)

For permission requests, please contact Grenze Scientific Society at the address below.

Grenze Scientific Society Jyothi Nagar-48/1 Kesavadasapuram, Trivandrum - 695004

Phone: 0471-2360236

info@thegrenze.com

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 Email: curran@proceedings.com Web: www.proceedings.com

Table of Contents

1. Best Practice for Integrated Urban Water Management - IUWM in Urban Cities <i>Kakhandaki Sadanand P and Hareesh K</i>	1-6
 2. A Review of Various Sentiment Analysis Techniques, Methodologies and their Applications <i>Romit Bhalla, Sourabh Kumar Jain and Praveen Kaushik</i> 	7-16
3. Narrative Review on Non-Destructive Testing of Concrete Sarvesh P S Rajput and Suprabeet Datta	17-26
4. Application of Optimization in Reinforced Concrete Structural Design-A Review Sarvesh P S Rajput and Suprabeet Datta	27-34
5. A Hybrid Model of Convo-GAN to Detect Fake Images Sangeeta Saha and Bhawana Rudra	35-40
6. Effect of Curing Period on Strength Development in High Plastic Expansive Clay Stabilized with Industrial Waste Khushbu Gandhi and Shruti Shukla	41-48
 Review on Various Deep Learning Methods Adopted to Improve the Plant Leaf Disease Classification in Precision Agriculture Divya P, Palanivel Rajan D and Nithya K 	49-54
8. Interactive Map Application for Real Time Crime Reporting Annapurna P Patil, Shruthi Raju, Srishti Bijjur, Sushmitha S Nayak and Yashitha S	55-62
9. Review of In-line Water Quality Measurement Systems Devansh Rana and Harsh Kapadia	63-68
10. Machine Learning Models for Customer Churn Prediction in Insurance Sector Deepthi Das and Raju Ramakrishna Gondkar	69-73
11. Survey on Tumor Detection towards Neural Network Sanchi Gupta, Shafali Dhaka, Anchal Chahal and Swati Sharma	74-78

Grenze ID: 01.GIJET.7.1.F5 © Grenze Scientific Society, 2021

12. Elliptical Curve Scalar Multiplication over Pipelined Architecture - GF(2m) Siva Santosh Kumar Daroga and Kalyani D	79-83
13. Design of Three Super Compact 5G Band Pass Filters with Integrated Passive Device Technology for 802.11a Wireless LAN Raghunadh Machavaram V and Bheema Rao Nistala	84-92
14. The Application of Life Cycle Assessment to a Building: A Systematic Literature Review Sonia Babu and Aswathy Ann Mathew	93-101
15. Blockchain based Secured Telecare Medical Record Management: A System Design Neetu Sharma and Rajesh Rohilla	102-109
16. Image Super Resolution and Deblurring using Generative Adversarial Networks Iruvanti Gautam, Arjun Rajesh K P, Krishna Sidharth Sagere and Badri Prasad K V	110-115
17. Analysis of Denoising Framework and Novel Approach for Removing Impulse Noise Anand B Deshmukh and Sanjay V Dudul	116-124
18. Performance Analysis of Wickless Heat Pipe Heat Exchanger using Water based Copper Nanofluid Yogita Umesh Yerne and Siddappa Sharanappa Bhusnoor	125-132
19. Studies on Performance and Emission Characteristics of Compression Ignition Engine using MATLAB® and Simulink® Simulation Sumedh S Soman and Siddappa S Bhusnoor	133-140
20. Resilient Requirement Elicitation using Automated Countermeasure Decomposition Technique <i>Thejasvi Nagaraju and Shubhamangala B R</i>	141-147
21. Farmer's Crowdfunding: A Portable Solution for Preventing Suicide Deaths of Farmers in India Shanthi M B, Aishwarya M, Sonul S Babu, Suchithra I M and Suraj R Bellad	148-153
22. Design and Development of Multiple Stage High Efficiency Synchronous Buck Converter System Ramkumar M R, Usha A, Praveen P K, Singh B K and Vinod S Chippalkan	154-161 tti

23.	Voltage Oriented Control of Two Level and Three Level Neutral Point Clamped PWM Rectifiers <i>Gangambe S B and Geetha R S</i>	162-169
24.	The Study of Latency in Fog Computing Aditi Jha and Pravesh Patel	170-173
25.	A Survey on Identification and Classification of Diseases in Crops using Image Processing Techniques Gouri C Khadabadi, Geeta R Bharamagoudar, Shashikumar G Totad and Nargund V B	174-179
26.	Analysis and Implementation of Security Mechanism to Embed Medical Records in the Medical Image for Secure Transmission and Authentication <i>Rashmi Naveen, Deepa and Chinmai Shetty</i>	180-184
27.	A Resultant of Local Binary Pattern Histogram (LBPH) and Speeded Up Robust Feature (SURF) Algorithm for Face Recognition Durgesh Pandey, Nitin Kushwaha and Kamal Srivastava	185-190
28.	IOT based Vehicle Health Monitoring System Pankaja Patil, Gouri Khadabadi, Sudha V Sulakhe, Pavan Kunchur, Sadhana Bangarashetti and Pranav Mutalik	191-196
29.	Review on Speech Synthesis from Lip Movements using Deep Neural Network Shilpa Sonawane and Malathi P	197-201
30.	Wing Design for Jet Model Dassault FALCON 7X Jarugu Tirumala Sri Vidya Nanda Sagar, Zapata Beltran Miguel Angel and Vignesvar Krish subramani	202-210
31.	Artificial Intelligence (AI): Bringing a New Revolution in Human Resource Management (HRM) Saju Mathew, Nidhi Oswal and Karamath Ateeq	211-218
32.	Development of Displacement Measurement Circuit of Linear Variable Differential Transformer Manjula B K and Seema Singh	219-224
33.	On Reduction of Mutual Coupling Effect, for Square Loop Antenna Arrays Maria Douka and Konstantinos N Voudouris	225-228
34.	Design of Versatile Hydroponic Prototype for Efficient Genesis of Nutrient Environment - A Machine Learning Approach Asha Thalange and Dinkar Patnaikuni	229-234

35.	A Review on Medical Image Encryption Techniques in Telemedicine Applications Siyamol Chirakkarottu and Sheena Mathew	235-239
36.	Implementation of Mellin Transform based Cryptography on FPGA Sastry K R K	240-244
37.	Understanding Critical Delay Events Affecting Schedule Performance in Indian Hydro-Electric Projects Krishnachandran V N and Sudhakumar J	245-255
38.	Development of Mixture Design for Ultra-High Performance Concrete Angel Ratnani, Tejas Joshi, Vedanshi Shah, Vishvajeet Rao and Urmil Dave	256-263
39.	Effect of Foundation Depth on High Speed Railway Cable Stayed Bridge by Considering Soil Structure Interaction Jigar P Variyavwala and Atul K Desai	264-270
40.	A Dynamic Formulation of Sophisticated High-Speed Rail Wagon with Rail-Structure Interaction for the Bridge Structure Jigar P Variyavwala and Atul K Desai	271-277
41.	A Survey Study on Methods of Accessibility Solutions for Resources in Software Defined Networks Environment <i>Sri Ramachandra L and Hareesh K</i>	278-285
42.	Effect of Foundation Depth on Cable Stayed Suspension Hybrid Bridges by Considering Soil Structure Interaction Gabra J H and Atul K Desai	286-292
43.	Effect of Ceramic Waste on the Mechanical Properties of Concrete Raj Mulchandani, Arth Shah, Tejas Joshi and Sonal Thakkar	293-298
44.	A Review on Ergonomic Risk Assessment Tools for Manual Material Handling Tasks in Industries Bala Sujith Kumar A, Alex Bernard and Varaprasad G	299-304
45.	Optimizing Intersection Performance using Sidra Program on Sara-e-Shamali Intersection Kabul Afghanistan Rustam Hafizyar, Khan Mohammad Shinwaray, Khawaja Abdul Rahman Sediqi and Ahmad Walid Yusufi	305-316
46.	An Inclusive Analysis to Study Challenges in Building Student Retention Rate on MOOC Platforms – Technology in Education Pushpendu Rakshit and Pramod Kumar Srivastava	317-322

47.	A Review on Factors Affecting Adoption of Electric Vehicles Randhir Kumar, Navin Mathew and Varaprasad G	323-328
	The Unified Theory of Acceptance and use of Technology as Adoption Framework: A Study Vishvajit Kumbhar, Vishnu Lal and Varaprasad G	329-336
49.	Geo-Social: Location and Social Metrics Enabled MoNs Routing Algorithms Shrikant Malligawad, Geeta R Bharamagoudar, Shobha R B, Manohar Madagi, Shashikumar G Totad, Manjula R B, Lalitha Madhanhav and Subhas R Bharamagoudar	
50.	Smart Parking System for Educational Institution Lalitha Madanbhavi, Abhishek D Sawant, Himanshu G S, Nihal N, Patil M R, Minal S and Geeta R Bharamagoudar	342-348
51.	Heart Disease Prediction System with Nearest Clinic Suggestion Chitra Bhole, Mayuresh Pujari, Jainam Jatakia and Ulkesh Chendwankar	349-353
52.	How RPA Helps in Simplifying Mundane Tasks – Case Studies Murali M, Balaji Saravanan U K, Selvanathan N, Karthick K and Rajkumar S	354-361
	Understanding Electric Vehicles Battery, Charging & It's Impact on Power Quality Sushant Subhash Kamble and Anwar Mubarak Mulla	362-367
54.	Design, Analysis and Parameterization of Girth Gear Veni Madavan R and Pramod Sreedharan	368-375
	Modelling and Analysis of a Multifunctional Microcontroller based Relay for Protection of Solid State Transformer <i>Pendurthi Navya Latha, Kolipaka Narasimha Rao and</i> <i>Neelapu Jagadeesh Rama Krishna</i>	376-383
	Design and Implementation of Intelligent Speed Breaker System for Vehicles using IOT Sarah Biswal, Ishika Chandra and Sinha S K	384-390
57.	Heart Disease Prediction using Logistic Regression Algorithm Firoz Khan, Imran Khan, Nasreen Taj, Raghavendra A and Chethan D R	391-395
58.	Forecasting Pandemic Diseases with Regression Techniques Shantala Giraddi, Dhanashree R I, Satyadhyan Chikkerur, Preeti T and Suvarna G K	396-404

59. Video Annotation Techniques for Micro Learning Integration in Cloud Boomija G and Suresh Kumar M	405-409
60. Implementation and Testing of a Smart DC Micro Grid Rukmini Sanyal, Ashoke Mondal, Sudipta Sarkar and Shinjini Mukherjee	410-415
61. Design and Simulation of Z-Source Inverter Niveditha Dheeraja P, Shiva Prasad E and Geeshma Kumari R	416-420
62. ANN-based Improved Zone-3 Decision Koteswara Rao A V, Soni K M, Sinha S K and Ibraheem Nasiruddin	421-427
63. A Low Power Dual-CLCG for Pseudorandom Bit Generation Priyamvada B S and Kala Bharathan	428-431
64. Prevention of Webshell Attack using Machine Learning Techniques Satish Y C, Praveen M Naik and Bhawana Rudra	432-441
65. Smart Token Booking System for Hospitals Aishwarya I B, Divya Unni, Rakesh V S and Swapna Kumar S	442-447
66. Electric Motors for Electric Vehicles – Comprehensive Review based on Various Performance Parameters Swapnil N Jani and Jitendra G Jamnani	448-454
67. Subscription Models and Analytics in E-Commerce Rohan Mayya, Pavan Puranik, Romil Balar, Saifur Rahman and Selva Kumar S	455-459
68. Distortion Free Image Generation Nishu Sethi, Shalini Bhaskar Bajaj and Vivek Jaglan	460-466
69. Face Emotion Recognition using Convolution Neural Network Raheena Bagwan, Komal Dhapudkar, Sakshi Chintawar and Alisha Balamwar	467-472
70. Human Follower Robotic Device for Real-Time Application Arunima K Ramesh and Jemy Jose Kakkassery	473-478
71. Analytical Review of K-Means based Algorithms and Evaluation Methods Trushali Jambudi and Savita Gandhi	479-486
72. CNN-GRU: Transforming Image into Sentence using GRU and Attention Mechanism <i>Gurdeep Saini and Nagamma Patil</i>	487-493

73.	Design and Implementation of Automated Order Picking Smart Trolley Rishma T and Vandana M	494-498
74.	Drowsiness Detection for Online Courses Sanskriti Jain, Mili Tyagi, Rajat Jain, Kashish Makkar and Pooja Gupta	499-505
75.	Performance Comparison of Parallel Computing Techniques for Processing CT Scan Images Priyanka Bagul and Vandana Inamdar	506-512
76.	FQDN Similarity and Cache-Miss Property based DNS Tunneling Detection Technique Madhuparna Bhowmik, Aastha Chowdhary and Bhawana Rudra	513-518
77.	Smart Token Management System for Hospitals using IoT Deepak T Prathap, Ramesh C R and Aswathy Surendran P	519-524
78.	Secure Updatable Data Deduplication in Cloud Tirapathi Reddy B, Lasya Priya K, Ramya Sri G, Nikitha P and Laxmi Samvidha A	525-529
79.	Software Verification using State Diagrams Madhuparna Bhowmik, Aastha Chowdhary and Bhawana Rudra	530-536
80.	Food Recognition and Calorie Estimation using Convolutional Neural Networks Rajni Jindal, Sachin Singla, Priyesh Agarwal and Rishabh Singh	537-542
81.	Smart Rehabilitation Exercise Monitoring System for Knee Osteoarthritis Patients Akshaya Devi U and Arulanand N	543-550
82.	Smart Shopping System based on Flutter, RFID and Bluetooth Kunal Kashyap and Raghava N S	551-556
83.	Water Quality Analysis and Prediction of River Water using Support Vector Machine Model Prasad M Pujar and Harish H Kenchannavar	557-561
84.	Blockvote - Blockchain based E-Voting System Rajesh Kumar Yadav, Santosh Kumar Mishra, Avadh Narayan Yadav and Sachin Kumar Kamat	562-569
85.	Text bases Sentiment Analysis Rustom Bhesania, Aryan Mehta, Deepam Maurya and Sumita Nainan	570-573

86.	Analysis of QoS Parameters for IoT Networks Anjum Sheikh, Sunil Kumar and Asha Ambhaikar	574-581
87.	Performance Analysis of Image Thresholding Methods on Brain Cancer MRI for Segmentation Akshita S Chanchlani, Vilas M Thakare and Vijay M Wadhai	582-587
88.	Session Tracking with User Authentication Yeswanth Reddy Kondamadugula, Amara Sai Krishna Kumar, Prudwi Adapa, Hemanth Reddy Bheemireddy and Chandra Sekhar Kolli	588-591
89.	A Modified Fuzzy C-Means Algorithm using Fruit Fly Optimization for Data Clustering Nagarjuna Reddy S, Sai Satyanarayana Reddy S and Babu Reddy M	592-599
90.	State-of-The-Art Holographic Traffic Control System for Future Traffic Environment Padmaja B, Saranya M, Shashirekha B, Sasmita Kumari Pradhan and Sahithi T	600-606
91.	Measurement and Monitoring of Water Quality using Smart Sensing in Home Water Purifier Venkatesan B, Yuvaraj K, Seshank Aditya G, Paramasivam G, Yaswanth S and Thirukumaran L	607-612
92.	Study and Investigation of Past and Future Technologies Implemented on Rovers Arun S B, Akash Krishnan and Gowtham S	613-619
93.	FPGA : A Guide to Interfacing Peripherals Aparna Arunkumar Gautam and Vijaya Laxmi	620-627
94.	The Speculative Study on Machine Learning Algorithm for an Efficient Classification of Text Document <i>Murali Krishna T and Nalini T</i>	628-633
95.	Multilabel and Multiclass Automatic Recognition of Emotions Induced Through Music Fabio Paolizzo, Natalia Pichierri, Daniele Giardino, Marco Matta, Daniele Casali and Giovanni Costantini	634-640
96.	Methods of Electroencephalography in Neurolinguistics: A Systematic Review <i>Talal A Aldhaheri, Sonali B Kulkarni and Pratibha R Bhise</i>	641-647

97. Web Page XSS Attack Detection from Malicious JavaScrip Learning: A Survey Sanjukta Mohanty and Arup Abhinna Acharya	t using Machine	648-653
98. Performance Analysis of Apriori and FP-Growth Algorithm Data Bhavya Sharma and Anuradha Rao	ns on Online-Store	654-660
 99. Exploration and Comparative Implementation of Hybrid G' Algorithm against GWO <i>Rajbhupinder Kaur, Vijay Laxmi and Bal Krishan</i> 	WOPSO	661-670
100. Analysis of Multi Objective Response Variables for the M Characteristics of AI-Sic Particulate Composites using Ta Grey Relational Analysis Kavitha C and Frank Gladson T S		671-677
101. Single Image Super Resolution of Blurred Natural Images Kernel Estimation Combined with Super Resolution Conv Network Lisha P P and Jayasree V K		678-682
102. Applications of AI and Machine Learning in Banking Solu Nidhi Gautam	utions	683-689
103. A Study and Implementation of Various Phases of Pre-Pro Techniques in Hindi Languages Atul Kumar, Vinodini Katiyar and Pankaj Kumar	ocessing	690-696
104. Datapath Design and Power Optimization in High Speed C Anandi V, Ramesh M and Suraj Ramesh	Core	697-703
105. Workload Prediction in Cloud Environment during Season Smitha Krishnan and Prasanthi B G	nal Trend	704-708
106. Miniaturization based Fetal Health Classification using Ca Data Shyamala Devi M, Amrit Chalise, Ankush Tripathi and		709-718
107. Prediction of Sugar Production using Multivariate Linear Sachin Kumar and Hirdesh Sharma	Regression	719-724
108. Investigating Scope of Enhanced Biometric Security for Io Wallet <i>Tanya Chauhan and Ajmer Singh</i>	OT based Digital	725-732

109. Development of Functional Prototype of PDCP Sublayer in 5G NR Sumathi A C, Radhakrishna Ganti, Balasiddharth D, Arun Prasath R V and Sheeba A	733-739
110. Sleuthing of Tax Fraud in Small and Medium Enterprises (SMEs) in Nigerian using an Intelligent System: Investigative Study Akobundu C I, Julius M S, Nkanyi G N, Abanobi G C and Chieme G C	740-745
111. Laplacian Neural Network based Image Edge Detection Method using Supervised Learning System Noor A Ibraheem, Mokhtar M Hasan and Noor M Abdulhadi	746-752
112. Augmented Reality based Interactive Mobile Application for Restaurants Seema Kolkur, Miral Gandhi, Ritika Sakpal and Bhavika Madhwani	753-758
113. Crowd Simulator using Genetic Algorithm Tanay Prashant Joshi, Shubhada Labde and Pauras Ranade	759-763
114. Review of Data Analytic Techniques for Health Data Vaishali Pawar and Radhika Chandwadkar	764-771
115. Techniques to Improve the Performance of Supervised Learning Models Manoj Sethi, Lalit Kumar, Shashi Bhushan Sharma and Vikas	772-779
116. Texture Feature Analysis for Identification of AIS using Multi- Otsu's Thresholding Jackulin Reeja J and Arun C H	780-783
117. Detection of Fraudalent Behaviours using Graph Cluster Analysis on Unsupervised Datasets Rekha G, Juno Bella Gracia S V and Suresh Kumar M	784-788
118. Study of Various Fuzzy Approaches for Disease Diagnosis Ankur Kumar and Avinash Kaur	789-794
119. Improvement Analysis of Hand Written Digit Recognition using Convolutional Neural Network by Varying Values of CNN Parameters Akanksha Gupta, Ravindra Pratap Narwaria and Madhav Singh	795-804
120. An Audio Player using Voice Recognition Kabilesh J, Karthik S, Krishna Bharath S and Rajesh Kumar S	805-808
121. Numerical Relay-based Protection System for Induction Motor Bavithra K, Madhugogul P, Devaprasath R, Sneha Thiyagarajan, Pavithraa S and Latha R	809-815

122. Smart Diabetic Prediction: A Machine Learning Approach Sangeetha C P, Dhanya S, Anjali S V and Anna Sajan	816-824
123. Automated Cleaning System for Solar PV Modules with Sun Tracking Kalaiselvan K, Arunkumar T R, Deeparasan A, Thirumalesh M and Vijay R	825-829
124. A High Performance DC-DC SEPIC Converter for DC Micro Grid Ramadevi N, Balamurugan C R, Lakshmipathy R, Giridhar V, Nithiesh G and Vijayan N R	830-837
125. Design and Implementation of Row or Column wise Banana Tree Cutter using IoT Karthikeyan J, Sangeetha M and GlaridaAmala L	838-842
126. Sensor Fusion for IoT based Intelligent Agriculture System Muthukumar T, Pranesh Raj S, Raman A, Thirunavukarasu G and Nishanth S	843-847
127. Design and Implementation of Smart Energy Meter for Load Distribution Kalaiselvan K, Logesh M, Praveen R, Venkatadri N and Hayagreeva R	848-851
128. A Novel Optimized Eleven Level Hybrid Cascaded Multi-Level Inverter Satish kumar S, Sasikumar M and Kavitha Kumari K S	852-859
129. Automatic Mask Wearing Detection and Temperature Detection using Raspberry Pi Sampath A, Sumithira T R, Yogasivashankar B and Nithesh Sharma J K	860-867
130. Detection of Oddity using User Behavior Patterns and Home Conditions for Home Automation of IOT Devices Vimal V R, BijjamVineetha, Chandra Dinusha and Mummadi Venkata Naga Madhuri	868-872
131. Speed Control of Induction Motor using PLC and VFD Janaki Priya V, Joshiba S, Hemalatha N and Kavya Shree R	873-878
132. Automation of Agricultural Fertigation using IoT and Machine Learning with Intrusion Alert Dhanush Kumar S, Dheepak A K, Gokulprasanth S and Vignesh C J	879-885
133. Brain Tumor Detection using Matlab Image Processing Dhanasu M, Dhivya Sri B, Gayathridevi G S and Ranjani S	886-891
134. Vehicle Parking System Automation with Ensured Reservation Area Ravindran S, Sripathi V R, Selva Prakash S and Yuvanesh K	892-897

135. Automatic Harging of Battery for EV Applications using Dynamo Jeeva N, Deepak Kumar A and Karthik K	898-904
136. Automatic Number Plate Recognition System Kumar chinnaiyan V, Balaji S, Beny R and Kavin jayasuriya E	905-908
137. Image Processing based System for Leaves Disease Diagnosis Balamurugan K, Dinesh S, Guhan G and Hareesh S	909-915
138. On the Part of the Survey-Nature of the Recommender Systems and their Challenges Selvarani K and Annadhason A	916-922
139. Design and Implementation of Smart Energy Meter for Load Distribution Kalaiselvan K, Logesh M, Praveen R, Venkatadri N and Hayagreeva R	923-926
140. IOT based Home Automation using Cloud Janani K, Harini S, Abirami B and Vijayalakshmi V J	927-933
141. Smart Crop Protection System against Wild Animal Attacks Devibala M, Divyach Selvi K, Keerthana S and Vijayalakshmi V J	934-938
142. IOT based Automated Cattle Fodder System Raghavendran P S, Ragul S, Asokan R and Sarathkumar D	939-944
143. Design of a Fuzzy based System for Automatic Heating, Ventilation and Cooling in Home Sheela A, Goutham M, Sri Gyanarathi S, Shalini M and Aravinthan K	945-952
144. Smart Street Light System using Hybrid Power Source Pazhanimuthu C, Kiruthika K, Tharunika R P and Yalini Priya M	953-959
145. Tomato Leaf Disease Detection and Classification with Severity Estimation using Convolutional Neural Networks Ramya R, Sona R, Mohanapriya S, Sri Nivas C and Keerthana S T	960-966
146. Smart Healthcare Support for Remote Patient Monitoring Kalaiselvan K, Sahithullah M, Diron Balachandaran G, SakthiV and Srianth M	967-972

Twelfth International Conference on Advances in Computing, Control, and Telecommunication Technologies (ACT 2021)

Grenze International Journal of Engineering and Technology (GIJET) Volume 7, Issue 2

Hyderabad, India 27-28 August 2021

Editors:

Janahanlal Stephen Parveen Sharma Yogesh Chaba K.U. Abraham Anooj P.K. Noor Mohammad Gylson Thomas Satuluri Srikiran

ISBN: 978-1-7138-3527-1

Table of Contents

1. Source Localization based Healthcare Diagnostic System using ERP Signals: An Application to ASD Joy Karan Singh and Deepti Kakkar	1-7
 Twitter Sentiment Analysis of Public Opinions on Work from Home Methodology <i>Romit Bhalla, Sourabh Kumar Jain and Praveen Kaushik</i> 	8-15
3. Real Time Alert System for Drivers Amruta Shinde, Archana Kadam, Vaishnavi Mugalikar, Himanshu Bhan and Jessica Bhalerao	16-21
4. Calibrating Intermediate COCOMO Model using Memetic Algorithm Aditya Verma and Preeti Malik	22-27
5. Dumbbell Perturbed Half Mode Substrate Integrated Waveguide (HMSIW) Band-Pass Filter Kundu J, Moitra S and Bhowmik P S	28-32
6. A Survey of Deep Learning for Lung Nodule Classification Priyanka Gupta and Anand Prakash Shukla	33-40
7. An E-Health Patient Management System Subodh Virkar, Archana Kadam, Shohaib Mallick, Satyam Tilekar and Nikhil Raut	41-46
8. Hierarchical Blockchain based E-Voting System Hritvik Patel, Anish Poddar, Anish Sekhar and Sunitha R	47-56
9. Fraud Detection in Health Insurance Claims using Machine Learning and Deep Learning Techniques Akshatha P, Manasa G L, Nayanashree H C and Poornima A S	57-63
10. Real-Time Location Tracking System for Predetermined Routes Aashish Nehete, Disha Gandhi, Jeet Mehta, Prasenjit Bhavathankar and Dayanand Ambawade	64-70
11. A Review on Hate Speech Detection using Natural Language Processing Aparna Susan Varughese, Fathima Swaliha T M, Nargis Irfan and Rehannara Beegum T	71-76

Grenze ID: 01.GIJET.7.2.F5 © Grenze Scientific Society, 2021

12. Impact of Preprocessing and Feature Representation in the Classification of Documents with Abusive Content Divya Ann Kurien, Namitha S, Vinaya Elma Givson and Ansamma John	77-86
13. A Comparative Study on different Proposed Nanotube TFETs Utkarsh Upadhyay and Ashish Raman	87-90
14. Performance Enhancement of Load Frequency Control of Microgrid using Ant Colony Optimisation Sanjai Steve Stanly and Sheeba R	91-98
15. Lightweight Cryptographic Key Communication Technique in Wireless Network based on Hyperelliptic Cryptosystem (HECC) Sarvalakshmi S and Suneetha C H	99-105
16. High Throughput on-the-fly Implementation for AES Sriniwas Shastry P V and Mukul S Sutaone	106-112
17. For the Good: A Beta Build of a Web-based Solution to Request-based Charity Aishwarya Manikarnike, Bhoomika Chandrashekar, Akhila N, Anagha P and Sumana M	113-120
18. Real Time Social Distancing and Mask Detection using Convolutional Neural Networks Rajakumar M P, Kirubakaran M K, Manikandan N and Sameena Fathima M	121-126
19. To Study the Breakdown Voltage for Different Electrode Configuration by using 10; 90, SF6-N2 Gas Jagadisha K R, Rajesh Kamath B, Mohammad Zeeshan M and Asser Akthar	127-131
20. 3D Content-Based Retrieval for T1 Weighted Contrast Enhanced Magnetic Resonance Brain Database using Multiple Features Dhanya K Sudhish and Latha R Nair	132-137
21. Web-based Tourist's Review Platform Employing Sentiment Classification based on Aspect Words <i>Anindita Ghosh and Shaikh N F</i>	138-142
22. Efficient Techniques in Full Adders and Logic Gates with Optimum use of Multi Valued Logic, Double Pass Logic and Ternary Logic in CNTFET Technology with Comparative Analysis with CMOS Technology <i>Prarthana Nirala, Shobha Sharma and Pragati Agrawal</i>	143-146

23.	Rear View Object Detection based on Camera Sensors Dushyanth S and Kavitha M	147-155
24.	Image Synopsis Generating System Built using Deep Learning Viksitha, Ravi Kishan, Kumar M T V, Sai Klayan and Babu	156-161
25.	Evaluation of Placement Predictions with KNN and Logistic Regression Algorithms Kodukula Sirisha, Erukulla Sai Tharun and Suresh Kumar N	162-165
26.	Trust Oriented Efficient Data Aggregation and Malevolent Node Detection in the Internet of Things Sensor Network Swathi S and Yogish H K	166-175
27.	Blockchain and its Applications in Healthcare Data: A Survey <i>Shruthi K and Poornima A S</i>	176-183
28.	Chronic Kidney Disease Prediction using Machine Learning Techniques Nirmala M B, Priyamvada D K, Prerana R Shetty and Pallavi Singh S	184-190
29.	An Application for Detecting and Avoiding Redundant Messages in Social Media Shankar Gowda B N, Lavanya C and Aishwarya C	191-196
30.	Voice Controlled Platform to Access Audio e-Books for Visually Impaired People Rudragoud Patil, Darshankumar Madihalli, Sucheta Kulkarni and Girish Rayamane	197-202
31.	Analysis and Modeling of Contextual Activity Pattern for Identifying Lifestyle Disorders Apeksha V Sakhare and Ashish K Sharma	203-207
32.	Cardiovascular Disease Prediction using Machine Learning Algorithms Nirmala M B, Haarika Reddy K R, Mohit Sah, Shrinidhi Shastry and Veeksha V Murthy	208-214