

2020 International Conference on Smart Innovations in Design, Environment, Management, Planning and Computing (ICSIDEMPC 2020)

**Aurangabad, India
30-31 October 2020**



**IEEE Catalog Number: CFP20V92-POD
ISBN: 978-1-7281-5971-3**

**Copyright © 2020 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:	CFP20V92-POD
ISBN (Print-On-Demand):	978-1-7281-5971-3
ISBN (Online):	978-1-7281-5970-6

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

CURRAN ASSOCIATES INC.
proceedings
.com

Table of Contents

1. Simplex Nanobot for Vigilance Prosthetic	1-5
<i>Shivraj Dhamdhare, Nishi Mewada, Vaibhavi Sarbhukan, Prajakta Deshmukh and Manisha Bharati</i>	
2. Retinal OCT Images for glaucoma	6-8
<i>Gangadevi Bedke, Mukti Jadhav and Pramodini Punde</i>	
3. Design, acquisition and collection of multimodal databases to increase accuracy and level of security	9-12
<i>Manisha Ambekar and Sangeeta Kakarwal, Sushant Khedgikar</i>	
4. A portable Hyperspectral imaging system to assess the effect of different nutrient management practices on Chamomile (Chamomila recutita)	13-19
<i>Swati Singh, Nupoor Prasad, Rajesh Kumar Verma, Manoj Semwal and Mohd. Saleem Khan</i>	
5. Enhancing Image Retrieval and Re-ranking Efficiency using Hybrid approach	20-26
<i>Bapusaheb Dange, S. K. Yadav and D. B. Kshirsagar</i>	
6. Network Intrusion detection system based on deep and machine learning frameworks with CICIDS2018 using Cloud computing	27-30
<i>Manisha Bharati and Sharvari Tamane</i>	
7. Review on Speech Recognition System for Disabled People using Automatic Speech Recognition (ASR)	31-34
<i>Maheshwari Ambewadikar and Manasi Baheti</i>	
8. Current trends in bio-sensing technologies for tuberculosis detection	35-38
<i>Bali Thorat and Mukti Jadhav</i>	
9. A hybrid scalable collaborative filtering based recommendation system using Ontology and Incremental SVD algorithms	39-45
<i>Sanjay Gunjal, S. K. Yadav and D. B. Kshirsagar</i>	
10. Data analytic tools: an overview	46-50
<i>Jitha Janardhanan and Umamaheswari S</i>	
11. A various surveillance and detection techniques based on wireless sensor networks	51-56
<i>Rakesh Kalshetty and Asma Parveen</i>	
12. Isolation Enhancement Techniques for MIMO Antenna: A Review	57-62
<i>Ravindra Bakale, Anil Nandgaonkar and Sankar Deosarkar</i>	
13. Determination of the best location for setting up a transmission tower in the city.	63-68
<i>Shruti Bharadwaj, Rakesh Dubey and Susham Biswas</i>	
14. Intelligent noise mapping using smart phone on web platform	69-74
<i>Rakesh Dubey, Shruti Bharadwaj and Susham Biswas</i>	
15. Smart home lighting system	75-81
<i>Samatha R Swamy and Nandini Prasad K.S</i>	

16. Classification of Network Traffic using Ensemble Methods to Secure Internet	82-85
<i>Manisha Bharati and Sharvari Tamane</i>	
17. Credit Card Fraud Detection and Prevention By Face Recognition	86-90
<i>Ashwini Zinjurde and Vilas Kamble</i>	
18. Enhancement in cloud security for web application attacks	91-95
<i>Smita M Chavan, Sharvari C Tamane</i>	
19. Economical Home Automation System using TV Remote (EHAS)	96-99
<i>Rahul Shimpi</i>	
20. Performance analysis of FMAC protocol in Healthcare Monitoring System based on Wireless Sensor Network	100-104
<i>Poonam Shelar, Uttara Gogate</i>	
21. Modern Smart Sensing Technology in Structural Health Monitoring	105-108
<i>Vinamra Bhushan Sharma and Susham Biswas</i>	
22. Burn area mapping in Google Earth Engine (GEE) cloud platform: 2019 forest fires in eastern Australia	109-112
<i>Suresh Babu K V and Venkata Sai Krishna Vanama</i>	
23. Review on Intelligent Spectacles to Prevent Road Accident	113-117
<i>Shrikant Sonekar, Gaurav Habad, Abhishek Barve, Kruti Sontakke, Harshal Bhojar and Gaurav Kshirsagar</i>	
24. Novel Model for Detection of Cyber-Aggressive Comments on Social Media Platforms a Review	118-121
<i>Fatima Ambreen Abdul Hameed and Varsha Jadhav</i>	
25. Detection of depression in social media via Twitter using Machine Learning Approach	122-125
<i>Sangeeta Kamite and Vilas Kamble</i>	
26. Spam Detection by Designing Machine learning approach in Twitter Stream	126-130
<i>Akanksha Nagdeve and Manisha Ambekar</i>	
27. Automatic traffic management and surveillance system	131-133
<i>Yashwardhan Rungta, Yash Desai and Parth Reshamwala</i>	
28. Temperature measurement using Infrared Contactless Thermal Gun	134-137
<i>Mukul Diwanji, Saurabh Hisvankar and Chhaya Khandelwal</i>	
29. Real time emotion recognition and gender classification	138-143
<i>Uttara Gogate, Sagar Narayanan, Alap Parate and Shubham Sah</i>	
30. Analysis of Android Applications to Detect Botnet Attacks	144-150
<i>Sonali Kothari, Shubham Joshi</i>	
31. Blocking Phishing e-mail by extracting header informations of e-mails	151-155
<i>Ajay U. Surwade</i>	
32. Digital Image Processing Assisted Active Air Suspension in Automotive Vehicle	156-159
<i>Rahul G. Shete, Akshay S. Tawar, Shraddha R. Kulkarni, Sharad A. Jadhav, Saurabh M. Gunjal, Aniket R. Bunde, Kaustubh A. Gunjal, Siddhant D.</i>	

	<i>Sananse</i>	
33.	Reservoir water surface area detection using satellite observations for synthetic SWOT data simulation <i>Akhilesh Nair and J. Indu</i>	160-163
34.	Performance assessment of GPM-IMERG, SM2RAIN-CCI, SM2RAIN-ASCAT rainfall estimates over Indian subcontinent <i>Ankita Pradhan and J. Indu</i>	164-167
35.	Implementation of VFD application for speed control of induction motor <i>Puja Patil and Syed Naveed</i>	168-170
36.	Python Based Face Recognition for Person Identification using PCA and 2DPCA Techniques <i>Sumegh Tharewal and Krishna Shinde</i>	171-175
37.	Decentralised e-voting system based on smart contract by using blockchain technology <i>Ali Almadani, Ashok Gaikwad, Zeyad Ahmed and Vivek Mahale</i>	176-180
38.	Detection of Diabetic peripheral neuropathy using a raspberry pi with the help of temperature sensor <i>Monali Rathod, Ramesh Manza and Deepali Rathod</i>	181-184
39.	Program recommendation system for students or coder through View Histories and Feedback Systems <i>Sangram Patil, Mr. Mahesh Bhosale and Mr. Rajesh Kambale</i>	185-187
40.	A study of SLIDE algorithm : Revolutionary AI Algorithm that Speeds Up Deep Learning on CPUs <i>Shalini Khokad and Kala V</i>	188-191
41.	A distortion-free watermarking approach for verifying integrity of relational databases <i>Seema Siledar and Sharvari Tamane</i>	192-195
42.	Voting methods for AQI prediction and Monitoring air pollution using real-time data <i>Ranjana Gore and Deepa Deshpande</i>	196-199
43.	AGV based stretcher <i>Yogesh Shejwal and Mrudul Behare</i>	200-201
44.	Long term water consumption prediction for Mumbai <i>V.Karthikraj Naidu, Senthil Thanneermalai and Rizwana Shaikh</i>	202-208
45.	Smart City during Covid - 19 lockdown and its future impact <i>Sujata Magare, Sujata Kondekar and Arundhati Dudhgaonkar</i>	209-215
46.	Performance Tuning of Queries in Distributed System using Secure Materialized View Approach <i>Mirza Moiz Baig and Rahul R. Sawarkar</i>	216-218
47.	Parent-Hook: A Child Tracking System based on Cloud URL <i>Harshal Chaudhary, Ranjana Zinjore and Varsha Pathak</i>	219-224
48.	A new Approach of Heart Disease Prediction system using Data Science <i>Harish Khodke, S. K. Yadav and D. N. Kyatanavar</i>	225-230

49. Removing labeled portion from mammogram image	231-233
<i>Rashmi Bhale and Ratnadeep Deshmukh</i>	
50. Decomposition and Reconstruction of Signal for Identification of Ocular Artifacts in Electroencephalogram (EEG) using Wavelet Transform	234-237
<i>Vaishali Giridhari and Vidyasagar Joshi</i>	
51. Factor's Involved in Artificial Intelligence-based Automated HTML Code Generation Tool	238-241
<i>Sanjay Agrawal, Swapnil Suryawanshi, Vikas Arsude, Nilesh Maid and Madhuri Kawarkhe</i>	
52. Land Registration System Using Blockchain	242-247
<i>Sai Apurva Gollapalli, Gayatri Krishnamoorthy, Neha Jagtap and Rizwana Shaikh</i>	
53. Review: IoT Based Machine Learning Techniques for Healthcare Applications	248-252
<i>Ibraheem Fathail and Vaishali D. Bhagile</i>	
54. Investigations on Milling of HDS H-13 with Bi-layer Coated Tungsten Carbide Tool	253-257
<i>Udhav Parbhane and Dilip Khedekar</i>	
55. A review on techniques,characterstics,approaches of an intelligent tutoring system(Chatbot)	258-262
<i>Sumegh Tharewal and Waseem Ashfaque</i>	
56. Sentimental Analysis of “Aarogya Setu”	263-267
<i>Illa Garg, Deepti Kiran and Itisha Sharma</i>	
57. Study of Surface Roughness and Coolant Temperature by Hard Turning with MQL (Minimum Quantity Lubrication) and It’s comparison with Dry & Wet Turning	268-272
<i>Sameer Sedamkar and Ravindra Deshmukh</i>	
58. IoT based Smart Baby Cradle System using Raspberry Pi B+	273-278
<i>Natasha Saude and Harsha Vardhini P.A</i>	
59. Social Media Analytics during Pandemic for Covid19 using Topic Modeling	279-282
<i>Vrishali Chakkarwar and Sharvari C. Tamane</i>	
60. Analysis of Musical String Instruments using k-NN	283-286
<i>Seema Chaudhary and Sangeeta Kakarwal</i>	
61. Experimental Study on Coupling Enhancement of WPT System Using Negative Index Material	287-291
<i>Pooja Chobe and R.V.S Ram Krishna</i>	
62. Soil Testing System using Arduino	292-294
<i>Eshwari Badakh and Vandana Malode</i>	
63. Different Types of Phishing Attacks and Detection Technique: Review	295-299
<i>Kiran Tandale and Sunil Pawar</i>	
64. Thermal Face Recognition using Artificial Neural Network	300-304
<i>Sangita Kakarwal, Kiran Chaudhari, Ratnadeep Deshmukh and Ravi Patil</i>	

65. FPGA implementation of audio and video processing based on Zedboard	305-310
<i>Apurva Deulkar and Neelima Kolhare</i>	
66. Comparative study of Passive Regenerative and Dissipative Snubber Cells for Isolated SEPIC Converters	311-314
<i>Shruti Wazarkar and Jitendra Rana</i>	
67. Solar Based Smart Irrigation system Using IoT: A Review	315-317
<i>Prachi Kulkarni and Jitendra Rana</i>	
68. CAN Protocol – Application in Automation Electronics	318-321
<i>Snehal Patil and Varsha Ratnaparkhe</i>	
69. Thermal Analysis of Single and Double Layer Wall Configurations for Effective Smart Buildings	322-324
<i>Arpita Sarkar</i>	
70. Sign Language Recognition System using Opencv and HSV colour Model	325-329
<i>Ketki Joshi, Ketaki Deshpande, Pranjali Aslekar, Sonam Bakliwal and Parminder Kaur</i>	
71. Sentiment Classification on Twitter and Zomato Dataset Using Supervised Learning Algorithms	330-334
<i>Rajkumar Jagdale and Sonal Deshmukh</i>	
72. Land Registry Management using Blockchain	335-340
<i>Ameya Thosar, Mayur Harne, Ashutosh Sarode and Parminder Kaur</i>	
73. a e geolocation of Urban Heat Islands in Aurangabad city (Maharashtra State) using remote sensing and ancillary data	341-346
<i>Suddhasheel Ghosh and Medha Deshmukh</i>	
74. A big data compatible naïve measure for estimating the landscape dynamics using open geospatial datasets	347-352
<i>Suddhasheel Ghosh and Saurav Dey</i>	
75. Intelligent Energy Management in College Laboratory	353-356
<i>Anuja Giri and B.T. Deshmukh</i>	