2017 International Conference on Big Data, IoT and Data Science (BID 2017)

Pune, India
20-22 December 2017

IEEE Catalog Number: CFP17L11-POD
ISBN: 978-1-5090-6594-3

Copyright © 2017 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: CFP17L11-POD
ISBN (Print-On-Demand): 978-1-5090-6594-3
ISBN (Online): 978-1-5090-6593-6

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

Paper Presntation

ID	Title of the Paper	Name of the Authors	Affiliation	Page
5	A Hybrid approach for Cost effective routing for WSNs using PSO and GSO algorithms	Asha GR[1] and Gowrishankar[2]	[1]Department of Computer science and Engineering BMSCE, Bengaluru, & Research Scholar, Jain University Bengaluru, India [2]Department of Computer Science and Engineering, B.M.S. College of Engineering, Bengaluru, India	1
10	News and Events Aware Stock Price Forecasting Technique	Aditi Kaushal and Prerit Chaudhary	Department of Computer Engineering Delhi Technological University Delhi, India	8
11	An Automotive Diagnostics, Fuel Efficiency and Emission Monitoring System using CAN	Pavankumar Naik[1], Arun kumbi[2], Nagaraj Telkar[3], Kiran Kotin[4] and Kirthishree C Katti[5]	[1,2,3,5]Dept. of Computer Science and Engineering, SKSVMACET, Laxmeshwar, Karnataka, India [4]Dept. of Electronics and Communication Engineering, SKSVMACET, Laxmeshwar, Karnataka, India	14
15	Texture based Interstitial Lung Disease Detection using Convolutional Neural Network	Pratiksha Hattikatti	Electronics & Telecommunication, Engineering, RSCOE Pune, India	18
17	Automatic Text Summarization of News Articles	Prakhar Sethi[1], Sameer Sonawane[2], Saumitra Khanwalker[3] and R. B. Keskar[4]	Department of Computer Science Engineering, Visvesvaraya National Institute of Technology, India	23
19	Content-based auto-tagging of audios using deep learning	Rashmeet Kaur Nayyar[1], Sushmita Nair[1], Omkar Patil[2], Rasika Pawar[1] and Amruta Lolage[1]	[1]Department of Information Technology, Pune Institute of Computer Technology, Savitribai Phule Pune University, Pune [2]Department of Computer Engineering, Pune Institute of Computer Technology, Savitribai Phule Pune University, Pune	30
20	Path Planning based QoS Routing in VANET	Farheen Iqbal Shaikh and Hyder Ali Hingoliwala	Department of Computer Engineering JSCOE, Hadapsar Pune, India	37
25	Remote Sensing and Controlling of Greenhouse Agriculture Parameters based on IoT	Pallavi S., Jayashree D. Mallapur and Kirankumar Y. Bendigeri	Department of Electronics and Communications Engineering, Basaveshwar Engineering College, Bagalkot, India	44
28	Optimize Cloud Computations using Edge Computing	Sachchidanand Singh	IBM Software Labs (ISL), Pune, India	49
37	Endorsement to Audio Recorded in Different Acoustic Environment with Feature as Reverberation Time with Blind Reverberation Time Estimation Method	Kiran P. Kamble and Manik K. Chavan	Walchand College of Engineering, Sangli, India	54
38	One Touch Multi-banking Transaction ATM System using Biometric and GSM Authentication.	Apurva Taralekar, Gopalsingh Chouhan, Rutuja Tangade and Nikhilkumar Shardoor	Department of Computer Engineering, JSPM's Jayawantrao Sawant College of Engineering, Pune, Maharashtra, India	60
39	Object Tracking Bot using On-Board Jetson TK1 An approach to reduce communication overhead and time delay	Sumitra Pundlik, Vikrant Patil, Manasa Navalgund, Ashwin Sahasrabudhe and Shweta Shinde	Department of Computer Engineering, MIT College of Engineering, Pune, India	65
44	IoT Enabled Dustbins	Sagar Wadhwa[1], Sahil Mirchandani[1], Preeti Wadhwa[2] and Richard Joseph[1]	[1]Department of Information and Technology, Vivekanand Education Society's Institute of technology, Chembur, India [2]Corporate Research and Development, Qualcomm. Inc, San Diego, CA, USA	73
45	Outage Probability analysis in Hybrid Cooperative Cognitive Radio Networks	Rupali Sawant and Shikha Nema	ENC Department, SNDT University, Juhu, Mumbai, India	77

46	Maximizing Spectrum Utilization in Cognitive Radio Network	Snehal Bhagate and Shailaja Patil	Department of E&TC Rajarshi Shahu College of Engineering, Tathwaade, Pune, India	**82**
47	Extraction and Performance Analysis of Multi-domain Novel features for Classification and Detection of Epileptic EEG	Manish N. Tibdewal and Swapnil A. tale	Department of Electronics and Telecom. Engg. Shri Sant Gajanan Maharaj College of Engineering SHEGAON, M. S. India	**91**
51	A Review Paper on Computer Aided System for Lung Cancer Detection	Snehal Dabade, Shubhangi Choudhari, Sneha Jadhav and Arjun Nichal	Department of Electronics & Telecommunication Engineering, AITRC, Vita, India	**97**
54	Use of Noun Phrases in Identification of a Website	Vaibhav Khatavkar and Parag Kulkarni	Dept. of Comp. Engg. and IT, College of Engineering, Pune, Shivajinagar, Pune, MS, India	**103**
55	Roadmap to Prepare Distribution Grid-Tied Photovoltaic Site Data for Performance Monitoring	Aditya Sundararajan and Arif Sarwat	Department of Electrical and Computer Engineering, Florida International University, Miami, USA	**110**
57	Health Monitoring System using Raspberry PI	Shreya Rajkumar[1], Malavika Srikanth[2] and N. Ramasubramanian[2]	[1]Department of Electronics & Communication Engineering National Institute of Technology, Tiruchirappalli, India [2]Department of Computer Science & Engineering National Institute of Technology, Tiruchirappalli	**116**
60	Performance Analysis of Wireless Sensor Networks for QoS.	Yash Yamsanwar and Shiv Sutar	Department of Computer Engineering, MIT College of Engineering, Pune, India	**120**
62	FitnessMantra: Theme for Health Analysis in Rehabilitation Process	Neha Prasad Sathe and A. S. Hiwale	Department of Information Technology, MIT College of Engineering, Pune, India	**124**
64	ANU–II: A Fast and Efficient Lightweight Encryption Design for Security in IoT	Vijay Dahiphale[1], Gaurav Bansod[1] and Jagdish Patil[2]	[1]Electronics & Telecommunication, Pune Institute of Computer Technology, Pune, India [2]Electronics & Telecommunication, Symbiosis Institute of Technology, Pune, India	**130**
66	Image based Indian Monument Recognition using Convoluted Neural Networks	Aradhya Saini[1], Tanu Gupta[1], Rajat Kumar[2], Akshay Kumar Gupta[2],Monika Panwar[3] and Ankush Mittal[4]	[1]Indian Institute of Technology, Roorkee [2,3]Raman Classes [4]Graphic Era University	**138**
68	RFID Based Supermarket Automation System	Radhika Kulkarni, Isha Agarwal and Manasi Chawandke	Department of Electronics and Telecommunication MKSSS's Cummins College of Engineering for Women, Pune, India	**143**
75	Organic Optical Data Storage for Securely Safeguarding IoT Secrets	Vijay A Kanade	Evalueserve SEZ (Gurgaon) Private Limited, Sector–48, Gurgaon, Haryana, India	**148**
79	MobileNets for Flower Classification using TensorFlow	Nitin R. Gavai[1], Yashashree A. Jakhade[1], Seema A. Tribhuvan[1] and Rashmi Bhattad[2]	[1]SCOE, Pune, India [2]MMCOE, Pune, India	**154**
82	Optimize the Energy Efficiency of RPL based 6LoWPAN by FL Clustering.	Sofia Biju and Narendra. M Shekokar	D. J. Sanghvi College of Engg., Mumbai, India	**159**
83	Performance measurement of laser communication prototype in free space for water dam using ATmega328 and comparison with ZigBee technology	Nitin Swami and Vilas Jarali	Computer Science and Information Technology Dept., MBES COE, Ambajogai, Beed, India	**167**
85	Smart Ambulance System using IoT	Omkar Udawant, Nikhil Thombare, Devanand Chauhan, Akash Hadke and Dattatray Waghole	JSCOE, Pune, India	**171**
86	Patient Monitoring System using IoT	Prajakta Kumbhar, Dattatraya Waghole, Vrushali Kotkar, Praffulkumar Awaghade and Sohail Shaikh	JSCOE, Pune, India	**177**
87	Tsunami Alert and Detetcion system using IoT: A Survey	Saket Nimbargi, Samarth Hadawale and Gaurav Ghodke	Department of Computer Engineering JSPM's Jayawantrao Sawant College of Engineering Pune, Maharashtra, India	**182**
111	Smart ASHA Pregnancy Monitoring System	Nandakishor D Valakunde, Sangeeta Kumari, Purva S Kulkarni, Shital B Jumbad, Sharvari S Chavan, Payal B Shah and Asra J Ustad	Department of Computer Engineering, Vishwakarma Institute of Technology, Pune, India	**185**
120	An IoT Based Smart Solution for Leaf Disease Detection	Apeksha Thorat, Sangeeta Kumari and Nandakishor D. Valakunde	Computer Engineering Department, Vishwakarma Institute of Technology, Pune, India	**193**