

2019 International Conference on Data Science and Engineering (ICDSE 2019)

**Patna, India
26-28 September 2019**



**IEEE Catalog Number: CFP1927T-POD
ISBN: 978-1-7281-2088-1**

**Copyright © 2019 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:	CFP1927T-POD
ISBN (Print-On-Demand):	978-1-7281-2088-1
ISBN (Online):	978-1-7281-2087-4

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

2019 Fifth International Conference on Data Science and Engineering (ICDSE-2019)

Table of Contents

Real Time Arrhythmia Monitoring with Machine Learning Classification and IoT.....	1
<i>Devadharshini M S, Heena Firdaus A S, Sree Ranjani R and Devarajan N</i>	
A Nonlinear Multivariate Approach to Identify Differentially Coexpressed Pathways.....	5
<i>Mrityunjay Sarkar, Aurpan Majumder and Sanjay Dhar Roy</i>	
An Empirical Study to Detect the Collision Rate in Similarity Hashing Algorithm Using MD5.....	11
<i>Tushaar Gangavarapu and Jaidhar C.D</i>	
Jeffries-Matusita distance as a Tool for Feature selection.....	15
<i>Rikta Sen, Saptarsi Goswami and Basabi Chakraborty</i>	
Change Analysis of Indian Metropolitan Cities through a Spatiotemporal Ontology.....	21
<i>Saritha S and G Santhosh Kumar</i>	
Q-value Learning Automata (QvLA)-RACH Access Scheme for Cellular M2M Communication.....	26
<i>Nasir A. Shinkafi, Lawal Muhammad Bello, Dahiru Sani Shu'aibu and Ibrahim Saidu</i>	
Application of Adaptive Neuro-Fuzzy Inference System for the Prediction of Early Age Strength of High Performance Concrete.....	30
<i>Deepak Kumar Sinha, S. Rupali and Shailja Bawa</i>	
A Graph based Keyword Extraction from Twitter using Node and Edge Weight	35
<i>Ritika, Mukesh Kumar and Pretti Aggarwal</i>	
Smart Fruit Warehouse and Control System Using IoT.....	40
<i>Anurag Shukla, Gazal Jain, Kavyansh Chaurasia and Venkanna U</i>	
NPRank: Nexus based Predicate Ranking of Linked Data.....	46
<i>Sakthi Murugan R. and Ananthanarayana V.S.</i>	
A Hybrid Binary Classifier for Pattern Classification	51
<i>Kaamil Trivedi and Tanujit Chakraborty</i>	
Next Word Prediction in Hindi Using Deep Learning Techniques	55
<i>Radhika Sharma, Nishtha Goel, Nishita Aggarwal, Prajyot Kaur and Chandra Prakash</i>	
Weighted Similarity Measure and Decision Making in Clinical Application of Neutrosophic Soft Set	61
<i>Binu R and Paul Isaac</i>	

Replay Attack Detection with Raw Audio Waves and Deep Learning Framework	66
<i>Shikhar Shukla, Jiban Prakash and Ravi Sankar Guntur</i>	
Frontal Gait Recognition based on Hierarchical Centroid Shape Descriptor and Similarity Measurement	71
<i>Anusha R and Jaidhar C D</i>	
Human Activity Recognition using Deep Neural Network	77
<i>Piyush Mishra , Sourankana Dey, Suvro Shankar Ghosh, Dibyendu Bikash Seal and Saptarsi Goswami</i>	
Speech Recognition Learning Framework for Non-Native English Accent	84
<i>Mihir Thakkar, Dr. Susan Elias and Dr. Ashwin Ashok</i>	
Surface Remeshing using Quadric based Mesh Simplification and Minimal Angle Improvement	90
<i>Dakshata M.Panchal and Dr.Deepak J.Jayaswal</i>	
Capturing Contextual Influence in Context Aware Recommender Systems	96
<i>Vandana A.Patil and Dr.Deepak J.Jayaswal</i>	
Analyzing Smart Meter Data using a Two-stage Competitive Learning Method	103
<i>Ankit Mahato and Ashita Prasad</i>	
From Light to Li-Fi : Research Challenges in Modulation, MIMO, Deployment Strategies and Handover	107
<i>Sanket Salvi and Geetha V</i>	
Selection of Sub-optimal Feature Set of Network Data to Implement Machine Learning Models to Develop an Efficient NIDS	120
<i>Jashanpreet Singh Sadioura, Satbir Singh and Amitava Das</i>	
Generative model chatbot for Human Resource using Deep Learning	126
<i>Salim Akhtar Sheikh, Vineeta Tiwari and Sunita Singhal</i>	
KeySED:An Efficient Keyword based Search over Encrypted Data in Cloud Environment	133
<i>Kasturi Dhal, Satyananda Champati Rai, Prasant Kumar Pattnaik and Somanath Tripathy</i>	
Merged LSTM Model for emotion classification using EEG signals	139
<i>Anumit Garg, Ashna Kapoor, Anterpreet Kaur Bedi and Ramesh K. Sunkaria</i>	
A Novel Chaotic based Privacy Preserving Machine Learning Model on Large Distributed Client Applications.....	144
<i>Nanda Krishna and Dr. K.F.Bharati,</i>	

Prospect of Stein’s Unbiased Risk Estimate as Objective Function for Parameter Optimization in Image Denoising Algorithms – A Case Study on Gaussian Smoothing Kernel.....	149
<i>Simi V.R, Damodar Reddy Edla, Justin Joseph and Venkatanareshbabu Kuppili</i>	
An Innovative Query Tuning Scheme for Large Databases	154
<i>Chaman Wijesiriwardana and M.F.M. Firdhous</i>	
Damped Least-Squares Recurrent Deep Neural Learning Classification for Glaucoma Detection	160
<i>P.M. Siva Raja and K. Ramanan</i>	
Author Index	166