

2018 International Conference on Computational Techniques, Electronics and Mechanical Systems (CTEMS 2018)

**Belgaum, India
21-22 December 2018**



**IEEE Catalog Number: CFP18R14-POD
ISBN: 978-1-5386-7710-0**

**Copyright © 2018 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: | CFP18R14-POD |
| ISBN (Print-On-Demand): | 978-1-5386-7710-0 |
| ISBN (Online): | 978-1-5386-7709-4 |

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

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

Technical Programme

| | |
|--------------------|--|
| Session 1.1 | Computational Techniques I |
| Date/Time | December 21, 2018 (Friday) 02:00 - 03:30 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. S.A.Angadi VTU, Belagavi Dr. M. M. Math GIT, Belagavi |

Paper ID

Title/Page

- 068 **Parts of Speech Tagging Mechanism to Unravel Positive and Negative Patterns in an Unstructured Text Document** 1
Roshan D and T Hanumantha Reddy
- 082 **Modeling and Performance Evaluation of Generative adversarial network for image denoising** 7
V Nuthna, Kavita Chachadi and Leah S Joshi
- 086 **Sentiment based Stock Market Prediction** 12
B. L. Pooja, Suvarna Kanakaraddi and Meenaxi .M. Raikar
- 191 **A Study on Performance Evaluation of Computer Systems using Petri Nets** 18
Tanuja Shailesh, Ashalatha Nayak and Devi Prasad
- 210 **Performance Analysis of Linux Container and Hypervisor for Application Deployment on Clouds** 24
Shivananda R. Poojara, Vishal B. Ghule, M. N. Birje and Nagaraj V. Dharwadkar
- 229 **Algorithm for Energy Efficiency in Cloud Data Centers using Container Consolidation Technique** N/A
Shivanan da R. Poojara, Mahabaleshwar M. Mundashi, Mahantesh N. Birje and Alekhya Challa

| | |
|--------------------|--|
| Session 1.2 | Electronics Systems I |
| Date/Time | December 21, 2018 (Friday) 02:00 - 03:30 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Mr. Prakash Mugali CEO, Enerzi Microwave Systems Pvt. Ltd., Belagavi Dr. D. B. Kulkarni GIT, Belagavi |

- 005 **FPGA Implementation of Nonparametric Power Spectrum Estimation Methods** 30
Rupali Borade and Damayanti Gharpure
- 076 **IOT Based PV assisted EV Charging Station for Confronting Duck Curve** 36
Badrinath Kulkarni, Devaji Patil and Rahul.G. Suryavanshi
- 123 **Design of Tactical Airborne Vehicle Communication Systems : An Approach** 40
Anantha Padmanabha, D M Isack and NNSRK Prasad
- 170 **Simulation and Analysis of MPPT Algorithms for Solar PV based Charging Station** 45
Sushmita S Nadkarni, Sachin Angadi and A.B.Raju

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 177 **Effects of Electro-thermal Conditions on Luminous Efficacies of Phosphor-converted White Light Emitting Diodes** 51
Shailesh K R
- 190 **Computing Intensive Bandwidth Enhancement In Stacked Hybrid DRA** 56
Vrushali Wasnik, Vijay Dahake and Pragnan Chakravorty

| | |
|--------------------|---|
| Session 1.3 | Database System/Systems Software |
| Date/Time | December 21, 2018 (Friday) 02:00 - 03:30 hrs |
| Venue | DS-4 Seminar Hall IT Block |
| Chairs | Dr. Mahantesh Birje , VTU, Belagavi Dr. S. R. Mangalwede , GIT, Belagavi |

- 135 **Social Media Text - A Source for Personality Prediction** 62
P.S.Dandannavar, S.R.Mangalwede and P.M.Kulkarni
- 150 **Automated Pain Severity Detection using Convolutional Neural Network** 66
Ashish Semwal and Narendra D. Londhe
- 162 **Bipartite Graph for Searching Chemical Compounds** 71
Ashwini. M. Chalawadi
- 163 **FPGA implementation of a Micro controller Unit for Body Sensor Network** 75
Swati G. Mavinkattimath, Rajashri Khanai and Dattaprasad A. Torse
- 013 **Raspberry Pi as an Intrusion Detection System, a Honeypot and a Packet Analyzer** 80
Shyava Tripathi and Rishi Kumar
- 172 **Design and Simulation of UPFC for Fault Clearance and Transmission System Stability** 86
Okampo John Ewaoche and Nnamdi Nwulu

| | |
|--------------------|--|
| Session 1.4 | Computational Techniques II |
| Date/Time | December 21, 2018 (Friday) 02:00 - 03:30 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. R. V. Kulkarni , M S Ramaiah University of Applied Sciences Dr. Veena Desai , GIT, Belagavi |

- 151 **A Comparative Analysis of Gradient Descent-Based Optimization Algorithms on Convolutional Neural Networks** 92
E. M. Dogo, O. J. Afolabi, N. I. Nwulu, B. Twala, C.O. Aigbavboa
- 182 **A Comparison of Exchange Market Algorithm and Ant Lion Optimizer for Optimal Economic Dispatch** 100
Oluwafemi Ajayi, Nnamdi Nwulu and Uyikumhe Damisa
- 148 **Semantic Analysis of Twitter Posts** 104
Malika Acharya and Shilpi Sharma

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 079 **Personality Prediction based on Handwriting using Machine Learning** 110
Nikita Lemos, Krish Shah, Rajas Rade and Dharmil Shah
- 243 **Breast Cancer Detection Using Machine Learning Algorithms** 114
Shubham Sharma and Tanupriya Choudhury
- 138 **Review on Query Auto-Completion** 119
Vidya S Dandagi and Nandini Sidnal

| | |
|--------------------|--|
| Session 1.5 | Security I |
| Date/Time | December 21, 2018 (Friday) 02:00 - 03:30 hrs |
| Venue | DS-4 Seminar Hall IT Block |
| Chairs | Dr. Uday Wali , KLECET, Belagavi Dr. V. S. Rajpurohit , GIT, Belagavi |

- 037 **3D Modelling of Human Hand with Motion Constraints** 124
Nishank Parashar, Rakesh Soni and Yash Manchanda
- 091 **Modelling and Countermeasures of False Data Injection Attacks Against State Estimation in Power Systems** 129
Akintunde Samson Alayande, Nnamdi Nwulu and Ayodeji Emmanuel Bakare
- 149 **Customer Segmentation using K-means Clustering** 135
Tushar Kansal, Suraj Bahuguna, Vishal Singh and Tanupriya Choudhury
- 202 **Analytical Approach to Optimize Battery Life using Fog-IoT Paradigm** 140
Varuna Bansal and Nitin Pandey
- 040 **An Ensemble Approach to Utterance Level Multimodal Sentiment Analysis** 145
Mahesh G. Huddar, Sanjeev S. Sannakki and Vijay S. Rajpurohit

| | |
|--------------------|---|
| Session 2.1 | Computational Techniques III |
| Date/Time | December 21, 2018 (Friday) 03:45 - 05:15 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. U. P. Kulkarni , SDM CET, Dharwad Dr. S. F. Rodd , GIT, Belagavi |

- 027 **Detection of Face Spoofing using Multiple Texture Descriptors** 151
Shanmukhappa A. Angadi and Vishwanath C. Kagawade
- 043 **Rating Generation of Video Games using Sentiment Analysis and Contextual Polarity from Microblog** 157
Shandro Chakraborty, Iftekharul Mobin, Abhijeet Roy and Mobtasim Hasan Khan
- 097 **Image Inpainting using Exemplar based Technique with Improvised Data Term** 162
H Chinmayee Rao, Anupama Awati, Bhagyashree Pandurngi and M.R. Patil
- 107 **Measure for Acuity of Color Images** 167
Santosh S. Saraf and Pooja Bhati

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 209 **Air Quality Prediction in Smart Cities: A Fuzzy-logic based Approach** 172
Reshma Riyaz and Pushpa P.V
- 012 **Comprehensive Study and Comparison of Switching in FSO Data Centers** 179
Nibhrita Tiwari, Ved P Mishra, Joanita Dsouza, Laura Elezabeth and Maninder Jeet Kaur

| | |
|--------------------|---|
| Session 2.2 | Electronics Systems II |
| Date/Time | December 21, 2018 (Friday) 03:45 - 05:15 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Dr. Krupa Rasane , <i>Jain College of Engineering, Belagavi</i> Dr. D. R. Joshi , <i>GIT, Belagavi</i> |

- 103 **Conventional Object Detection Techniques in Robotics: A Review** 183
Vipin Vibhute, Yogesh Angal and B. Suryakanth
- 104 **Scalable Underwater Wireless Sensor Networks using Autonomous Underwater Vehicles for Real - Time Applications** 189
Aashish A. Gadgil, Maya S. Chaugule and Veena V. Desai
- 108 **Remote Sensing Technology and Applications in Agriculture** 193
Rekha B. U., Veena V. Desai, Pratigya S. Ajawan and Sunil Kumar Jha
- 119 **Connectivity Models in Wireless Sensor Network: A Review** 198
Umesh M. Kulkarni, Pratik S. Regal and Harish. H. Kenchenavvar
- 168 **Design of OTA based signal conditioning circuit for the detection of frequency related activity of seizure using EEG signal** 204
Rajeshwari Mathad
- 075 **Design and Development of CREOGHRITA: A Portable Intelligent Ghee Making Machine** 208
Swathi Nagalikar, Ranjan Halki, Chinna Bengeri and Krishnamurthy Bhat

| | |
|--------------------|--|
| Session 2.3 | Security II |
| Date/Time | December 21, 2018 (Friday) 03:45 - 05:15 hrs |
| Venue | DS-5 IT Block |
| Chairs | Dr. Uday Wali , <i>KLECET, Belagavi</i> Dr. Rashmi Racch , <i>VTU, Belagavi</i> |

- 015 **A Proxy Re-encryption-based Webmail and File Sharing System for Collaboration in Cloud Computing Environment** 213
Bharat S. Rawal
- 028 **Network Traffic Classification Techniques-A Review** 219
Yoga Durgadevi Goli and Ambika R
- 106 **A Dynamic DNA for Key-based Cryptography** 223
Bahubali Akiwate and Latha Parthiban

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 118 **Improving security in Image Steganography using MSB Bit differencing and Cryptographic algorithm 228**
Shrilekha and N.V. Subba Reddy
- 121 **Blockchain for government fund tracking using Hyperledger 231**
Apoorva Mohite and Ajay Acharya
- 038 **Design and Development of Underwater Remotely Operated Locomotion Robotic System 235**
Mohsin Hussain, Jawad Ahmad, Iram Tufail, Mubasher Hussain and Fazul Rehman

| | |
|--------------------|--|
| Session 2.4 | Electronics Systems III |
| Date/Time | December 21, 2018 (Friday) 03:45 - 05:15 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Dr. Thanuja TC, VTU, Belagavi Dr. R. V. Kulkarni, M. S. Ramaiah University of Applied Sciences, Bangalore |

- 011 **Analysis and Comparison of Process Mining Algorithms with Application of Process Mining in Intrusion Detection System 240**
Ved Prakash Mishra, Joanita Dsouza and Laura Elizabeth
- 024 **Influence of Critical Outage on Reactive Power Loss Allocation in a Deregulated Electricity Market 245**
Akintunde Samson Alayande and Nnamdi Nwulu
- 173 **Modeling and Simulation of IPFC for Transmission System Security 250**
Okampo John Ewaoche and Nnamdi Nwulu
- 039 **Implementation of Automation Medication Dispensing System based on Mobile Robotic Remote Sensing Unit N/A**
Asfandiar Ayub, Usama Bin Zahid, Jawad Mehmood Butt and Mohsin Hussain
- 147 **The Machine Predicted Market 256**
Saurav Taneja, Dhruv Garg and Tanupriya Choudhury

| | |
|--------------------|---|
| Session 3.1 | Computational Techniques IV |
| Date/Time | December 21, 2018 (Friday) 05:15 - 06:30 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. U. P. Kulkarni, SDM CET, Dharwad Dr. S. F. Rodd, GIT, Belagavi |

- 219 **Time-based connotation rule Mining based on T-apriori algorithm using WEKA tool Slants 261**
Srikanth Lakumarapu and Rashmi Agarwal
- 220 **Efficient Solution for wireless sensor network and Using Ant Colony Algorithm optimization 265**
Davulluri Parvathi and Pramod Sharma
- 222 **Coordinated control for dispatching power flow among TCSC and HVDC System 269**
Puli Sridhar

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 223 **A Review of Intrusion Detection System using various decision tree Algorithm optimize challenges issues** 272
Sagar Babu Jeldi
- 224 **Protagonist of Big Data and Predictive Analytics using data analytics** 276
Sakineti Subbalakshmi and CSR Prabhu

| | |
|--------------------|--|
| Session 3.2 | Electronics Systems IV |
| Date/Time | December 22, 2018 (Friday) 05:15 - 06:30 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Dr. Uday Wali, KLECET, Belagavi Dr. Rashmi Racch, VTU, Belagavi |

- 225 **Classification of Intrusion Detection Dataset using machine learning Approaches** 280
Doodipalli Subramanyam
- 448 **Design and Implementation of an improved High Speed Adder Circuit using XILINX Simulation Tool** 284
Bejjam Bhagya Sree
- 213 **Modified Naive Bayes Intrusion Detection System (MNBIDS)** 291
Karuna S. Bhosale, Maria Nenova and Georgi Iliev
- 214 **Data Mining Based Advanced Algorithm for Intrusion Detections in Communication Networks** 297
Karuna S. Bhosale, Maria Nenova and Georgi Iliev
- 406 **Internet of Things (IoT) and Cloud Computing based Persistent Vegetative State Patient Monitoring System: A remote Assessment and Management** 301
Bharat Kumar G J

| | |
|--------------------|--|
| Session 4.1 | Computational Techniques V |
| Date/Time | December 22, 2018 (Saturday) 11:45 - 01:00 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. J. Lakshminarayan, GEC, GOA Dr.S. L. Gombi, GIT, Belagavi |

- 050 **Improvise Technique for Accurate Back Ground Subtraction Using SVD** 306
Bhagyashri Pandurangi R and Chetan S. Patil
- 080 **TALAASH: Theaceae Approach in Learning based on Arsenal Access using SCORM's Handler** 312
Savita D Patil, Rajkumar C Shikkeri and Rajashree D Joshi
- 109 **Image forgery Detection against Forensic Image Digital Tampering** 315
Jitendra Ravan and Thanuja
- 141 **Study On Routing Protocols For MANETs** 322
Tagare Sapna, Kunal Deshpande and Kalkundri Ravi
- 167 **Multilevel Classification Model for Diabetic Retinopathy** 326
Keerthi. S. Lotlekar and Shrinivas. D. Desai

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

| | |
|--------------------|--|
| Session 4.2 | Mechanical Systems |
| Date/Time | December 22, 2018 (Saturday) 11:45 - 01:00 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Mr. Arunkumar , Vice President, SQUAD FORGE Pvt. Ltd. Belagavi Dr. T. R. Anil , GIT, Belagavi |

- 047 **Exergy Analysis of Centrifugal Filter Used for Marine Engine Lubrication Systems** 332
Jitendra Singh Pal, S.N. Sapali and T. R. Anil
- 067 **An Integrated WPCA-ANN-GA Approach to Solve Multiresponse Optimization Problems** 338
Murali Ambekar and Jayant Kittur
- 124 **Finite Element Study on Mesh Discretization Error Estimation for Ansys Workbench** 344
Kuberappa Jalammanavar, Nagabhushan Pujar and Vishnu Raj R
- 174 **Low Velocity Angular Impact Test on E Glass Epoxy Laminates using Multi-Orientation Fixture** 351
Nagesh Gani and N Rajesh Mathivanan
- 021 **Artificial Intelligence in Cyber Security** N/A
Abhishek Gautam

| | |
|--------------------|---|
| Session 4.3 | Data Communication and Networking I/Management Information System |
| Date/Time | December 22, 2018 (Saturday) 11:45 - 01:00 hrs |
| Venue | DS-4 Seminar Hall IT Block |
| Chairs | Dr. Nandini Sidnal , St. Clair, New South Wales, Australia Dr. S. S. Saraf , GIT, Belagavi |

- 009 **Blood Bank App using Raspberry PI** 355
Surabhi S. Pohandulkar and Chhaya S. Khandelwal
- 042 **Comparative Analysis of different Algorithms for scheduling of tasks in Cloud Environments** 359
Murgesh V. Jambigir, Vinod Desai and Shrikanth Athanikar
- 063 **Barriers of Supply Chain Management for Small and Medium Scale Foundries** 362
Praveen Kulkarni, Gurudutt Nayak, Nupur Veshne and Sujay Patil
- 115 **Feasibility of IP address and Suffix for Multi-hop Wireless Mesh Network** 367
S V Vambase and S R Mangalwede
- 143 **Preserving Anonymity in Cloud Environment** 371
Madhura Mulimani, Shridhar Allagi and Rashmi Rachh

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

| | |
|--------------------|---|
| Session 5.1 | Computational Techniques VI |
| Date/Time | December 22, 2018 (Saturday) 02:00 - 03:30 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. J. Lakshminarayan , <i>GEC, GOA</i> Dr. S. S. Sannakki , <i>GIT Belagavi</i> |

- 008 **IoT based Smart Safe System 376**
Vatsal J. Saglani, Aayush V. Gupta, Rupam Sarma, Shashank Pathak and D Rekha
- 030 **Adaptive Stock Forecasting Model using Modified Backpropagation Neural Network (MBNN) 380**
Uma Gurav and Nandini Sidnal
- 159 **Identification of Legitimate Domain Names using Classification Algorithm and Ngram Model 386**
Namita Kanthi, Meenaxi.M.Raikar and Survana Kanakaraddi
- 169 **Patch Based Wiener filter for Image Denoising 392**
Sagar Metri and Asha T
- 230 **Flash based Storage Media Secure Sanitization using High Temperature 397**
Amod Kumar, Manoj Malik and Satya Jeet Singh
- 178 **A Practical Implementation of Automatic Document Analysis and Verification using Tesseract[1] [2] 401**
Saurabh Gupta and Anil Kumar Meena

| | |
|--------------------|--|
| Session 5.2 | Applications of Computational Intelligence I |
| Date/Time | December 22, 2018 (Saturday) 02:00 - 03:30 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Dr. Saroja Sidmal , <i>BVB Hubli</i> Dr. R. M. Kulkarni , <i>GIT, Belagavi</i> Dr. Rajdeep Chowdhury , <i>Academician and Author Chinsurah, Hooghly, West Bengal, India</i> |

- 116 **Arduino based Maize Separator and Power Generator 407**
Sagar S.Charkhani, Shridharbabu P.Pujari, Siddanna A.Julakatti, Shankar N. Math and P B. Bhagawati
- 166 **WAN Technology and Cost Optimization Trend for UK and Ireland 411**
Sudip Sinha, Anirban Das and Amitava Ghosh
- 194 **Fault Tolerant Wormhole Routing for Complete Exchange in Multi-Mesh 415**
Abhijit Sen, Amit Datta and Mallika De
- 211 **Analytical Approach in Employment of Go-Easy-Order (GEO) Android Application from User and Seller Interface Perspective 421**
Rajdeep Chowdhury, Paromita Mitra, Satyam Kumar Singh, Sunit Kumar Singh, Sukhwant Kumar and Nandita Saha

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 164 **Sensed Outlier Detection for Water Monitoring Data and a Comparative Analysis of Quantization Error using Kohonen Self-Organizing Maps** 427
E. M. Dogo, N. I. Nwulu, B. Twala, C.O. Aigbavboa
- 242 **Machine-to-Machine Learning based & Centralized/Decentralized framework to rapidly build and deploy plug- & -play IOT ecosystems using cheap and available electronic devices** 431
Debayan Das and Sanket Sarkar

| | |
|--------------------|--|
| Session 6.1 | Computational Techniques VII |
| Date/Time | December 22, 2018 (Saturday) 03:45 - 05:30 hrs |
| Venue | LAB-7 IT Block |
| Chairs | Dr. Santosh Deshpande , VTU, Belagavi Dr. Harish Kenchannavar , GIT, Belagavi |

- 112 **Predictive Analytics in Big data & Intelligent Automation** 437
Rishab Nema, Jahnavi Tandon and Abha Thakral
- 187 **A Review of Demand Response Techniques and Operational Limitations** 442
Tope Roseline Olorunfemi and Nnamdi Nwulu
- 195 **Optimization Applications in Distributed Energy resources: Review and Limitations** 446
Tope Roseline Olorunfemi and Nnamdi Nwulu
- 100 **A Study on Binary File Conversion using python-based GUI Application** 451
Sahil Khan, Sameer Gupta, Deepa Gupta and Shambhu Kumar Jha
- 113 **Sentiment Analysis of user Entered Text** 457
Sourav Mehra
- 120 **A Faster Approach for Identifying suitable Locations for TCSC Placement for Voltage Profile Enhancement and Loss Reduction** 462
Akintunde Samson Alayande and Nnamdi Nwulu

| | |
|--------------------|--|
| Session 6.2 | Applications of Computational Intelligence II |
| Date/Time | December 22, 2018 (Saturday) 03:45 - 05:30 hrs |
| Venue | LAB-8 IT Block |
| Chairs | Mr. Neelesh Chougule , CEO, Creaintors Tecknosol Pvt. Ltd., Bealgavi Dr. J. K. Kittur , GIT, Belagavi |

- 217 **Security techniques using Enhancement of AES Encryption** 468
Meetender and Nirbhaya Kashyap
- 158 **Interfacing a Battery Energy Storage System (BESS) with a Wind Farm with DC Collector System via a Flyback DC-DC Converter: Modelling, Control Strategy and Performance Analysis** 473
Kabeya Musasa and Nnamdi I. Nwulu

International Conference On Computational Techniques, Electronics and Mechanical Systems

21 - 23 December 2018

K.L.S. Gogte Institute of Technology, Belagavi, India



CTEMS'18

- 145 **3D PRINTING: Factors Influencing its Quality and Nature** 480
Prakriti Saini, Dhruv Garg and Tanupriya Choudhury
- 239 **Introduction to Captcha and its Significance** 487
Aditya Tharad, Abhishek Bhatt, Sania Srivastava and Praveen Kumar
- 146 **A Review of Payment Card Fraud Detection Methods using Artificial Intelligence** 494
Eishvak Sengupta, Naman Jain, Dhruv Garg and Tanupriya Choudhury
- 240 **Analysis and Impact of Cyber Security Threats in India using Mazarbot Case Study** 499
Mallika, Vikas Deep and Purushottam Sharma

| | |
|--------------------|---|
| Session 6.3 | General Papers |
| Date/Time | December 22, 2018 (Saturday) 03:45 - 05:30 hrs |
| Venue | DS-4 Seminar Hall IT Block |
| Chairs | Dr. S. P. Algur , Registrar, Rani Chennamma University, Belagavi Mr. Deepak Dhadoti , MD, Servo Controls, Belagavi |

- 310 **A Computation Classified Analysis Based on Socio Economic Cost for University Students Accommodation** 504
Sugandha Gupta, Tushar Pandey, Tanupriya Choudhury and Amrendra Tripathi
- 325 **Phenomenology Ethnomethodology analysis of "website usability"** 511
Kamakshi, Deepti Mehrotra and Vikas Deep
- 403 **Performance Evaluation of AWS and IBM Cloud Platforms for Security Mechanism** 516
Avneet Kaur, Sachin Yadav, Gaurav Raj and Tanupriya Choudhury
- 412 **A Review on Abnormal Activity Detection Methods** 521
Alisha Ahir, Pushpendra Kumar Pateriya, Devinder Kaur and Mritunjay Kumar Rai
- 420 **Analysis and Evolution of Dynamic & Modern techniques of Internet Generation** 527
Arvind Garg, Seema Rawat and Praveen Kumar
- 430 **Evolution and Upliftment of Rural India using Social Media** 533
Shivani Rakheja, Neelam Saxena and Seema Rawat
- 435 **Application and Uses of Big Data Predictive Analysis in Public Sectors: A Systematic Review** 539
Aakash Puri