| Hall 2 : | Track - I : Communication systems | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 2 | Decoding Erasures for Nonsystematic RS Codes | Tao Wu and Ruomei Wang |
| 25 | SDNGuard: An Extension in Software Defined Network to Defend DoS Attack | Jeevan Surya Maddu, Somanath Tripathy and Sanjeet Kumar Nayak |
| 44 | A Statistical model for automated patient monitoring using wireless body-area networks | Aditi Chatterjee and Kiranmoy Das |
| 45 | A novel Interference-aided Energy Harvesting Scheme for Cooperative Network | Chandrima Thakur and Sudipta Chattopadhyay |
| 63 | Occupancy Estimation in Semi-Public Spaces using Sensor Fusion and Context Awareness | Pradnya Gaonkar, Jyotsna Bapat, Debabrata Das and Subrahmanya Vrk Rao |
| 182 | An Energy Efficient Statistical Approach for Greenhouse Monitoring using Wireless Sensor Nodes | Dola Gupta, Palaniandavar Venkateswaran and Aditi Chatterjee |
| 229 | Discrete Wavelet Transform Based Hybrid Edge Detection Technique for Wideband Spectrum Sensing in CRNs | Abhishek Kumar and Seemanti Saha |

| Hall 3: | Track - II : Robotics and Mechatronics | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 56 | Human–Hand Posture Classification For Robotic Teleoperation Using Wearable Sensor | Pratyush Pratim Devnath, Ananda Sankar Kundu, Oishee Mazumder and Subhasis Bhaumik |
| 88 | Semi-isotropically Optimized Parallel Manipulator Design Issues: A Performance Comparison in view of Vibration Isolator Application | Biswajit Halder |
| 154 | An Approach to Labelled Indoor Mapping using SLAM and Object Detection | Rajasekar Mohan, Manoj Surya K and Tarun Bhargav Sriram |
| 197 | Active upper arm exoskeleton - Design and kinematic analysis | Paulami Santra, Arani Mukhopadhyay, Bishan Debnath, Mervin A. Herbert and Subhasis Bhaumik |
| 209 | Autonomous Fire Fighter Robot Based on Image Processing | Md. Tasnimul Hasan, A.Q.M. Sazzad Sayyed, Shakib Mahmood and Abdul Rakib Hossain |
| 298 | Lower Limb Movement Analysis for Exoskeleton Design | Susmita Das, Dalia Nandidas and Biswarup Neogi |
| 320 | Study of $\beta, \rho$ and Q0 parameters for Shortest Path Estimation using Ant Colony Optimization | Tanmay Chakraborty, Sagnik Chakrabarti and Bikramjit Hazra |
| 297 | An Android Subjugated Compact Self-driving Semi-Autonomous Vehicle | Md. Arifur Rahman Barno, Md. Anwarul Azim, Abu Shufian, Ishtiaq Ahmad and Shanta Datta |

| Hall 4: | Track - III : Power and Energy | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 19 | Hybrid storage system sizing for minimum daily variability injection | Subir Majumder, Shrikrishna A. Khaparde, Ashish P. Agalgaonkar, Sarath Perera, S. V. Kulkarni and Philip Ciufo |
| 29 | Advancement of Situational Awareness in Eastern Regional Control Center | Amit Kumar Chowdhury, Biswajit Mondal, Bibek Agarwal, Marisarla Viswanadh, Sugandh Prasad Barnwal and Daman Kumar Jain |
| 37 | Performance Study of Different PLL Schemes Under Unbalanced Grid Voltage | Utsava Kumar Singh and Abhinandan Basak |
| 57 | Impact of System Parameters on the Performance of Synchronverter | Aditya Ranjan Brahma, Vinu Thomas, Kumaravel S and Ashok S. |
| 85 | A Long Term PV Power Degradation Prediction due to Dust Fouling and Environmental Stresses | Saheli Sengupta, Suman Maiti, Subhashis Ghosh, Arnab Das, Samarjit Sengupta and Hiranmay Saha |
| 100 | PSS Design and its Performance Investigation on the Subsystem where the Inter-Area Mode is Most Dominant | Lalit Kumar |
| 101 | A Communicationless Control Of Single Phase Two Winding SEIG By VSI Battery Based System | Shamik Sen, Dr. S.P Singh and Dr. Sumit Ghatak Choudhuri |
| 83 | Optimal Placement of Distributed Generation in an Unbalanced Radial Distribution System Considering Load Variation | Soma Biswas, Swapan Goswami and Debjani Bhattacharya |

| Hall 5: | Track - IV : Computational Intelligence | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 42 | Emotion Analysis based on LASSO | Parthana Sarma and Shovan Barma |
| 47 | A Real-World Investigation of TwinSVM for the Classification of Petroleum Drilling Data | Saurabh Tewari and U.D. Dwivedi |
| 53 | A New Bonobo Optimizer (BO) for Real-parameter Optimization | Amit Kumar Das and Dilip Kumar Pratihar |
| 75 | Detecting Extended Contexts in Tweets using DBpedia | Venkatesha M, Prasanth G Rao, Anita Kanavalli, P Deepa Shenoy and Venugopal K R |
| 80 | HC-PSOGWO: Hybrid Crossover Oriented PSO and GWO based Co-Evolution for Global Optimization | Nabanita Banerjee and Sumitra Mukhopadhyay |
| 137 | A fission-fusion (FF) selection scheme for genetic algorithms | Amit Kumar Das and Dilip Kumar Pratihar |
| 156 | Bengali Text Summarization using TextRank, Fuzzy C-Means and Aggregate Scoring methods | Ramkrishna Saha, Alvee Rahman, Fahim Md Rafiq, Ruhit Rafian and Hossain Arif |
| 15 | Bayanno-Net: Bangla Handwritten Digit Recognition using Deep Convolutional Neural Networks | Mohammad Shakirul Islam, Md. Ferdouse Ahmed Foysal and Sheak Rashed Haider Noori |

| Hall 2: | Track - V : Communication Systems | |
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| 62 | Modelling Agricultural Residue based Microwave Absorber under X-band Frequency | Soumya Sundar Pattanayak, Swagatadeb Sahoo and S. H. Laskar |
| 167 | A qualitative study of current trends in microwave wireless power transmission including current advancements and challenges | Afrin Meem, Henry Bukenya, Abrar Faisal, Pulok Tarafder and A.K.M Abdul Malek Azad |
| 258 | A Novel AMC Backed Wide Band Wearable Antenna | Tannistha Mitra Das, Sk Nurul Islam, Gobinda Sen and Santanu Das |
| 272 | Compact Quad-band MIMO Antenna Array with Low Mutual Coupling for Mobile Terminal | Mohit Mishra and Rakhesh Singh Kshetrimayum |
| 302 | A UWB Antenna with Bandwidth Enhancement for 5G, IoT, USB-dongle and UWB wireless applications | Jeet Banerjee, Sweta Bhattacharjee, Arkya Santra, Sushmita Saha and Rowdra Ghatak |
| 305 | Analysis of Energy Harvesting Techniques for Mobile Networks | Farzana Shabnam |

| Hall 3: | Track - VI : Signal and System | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 49 | S-HAZE: dataset consisting of real world ground truth and hazy images of varying haze density with no- sky, little sky and large sky regions | Sriparna Banerjee and Sheli Sinha Chaudhuri |
| 70 | Effect of Respiratory Effort Levels on SCG Signals | Tilendra Choudhary, M.K. Bhuyan and L.N. Sharma |
| 113 | Reconstruction of Corrupted and Lost Segments from Photoplethysmographic Data Using Recurrent Neural Network | Monalisa Singha Roy, Pinaki Bag and Rajarshi Gupta |
| 144 | Estimation of Respiration Rate from Motion Corrupted Photoplethysmogram: A Combined Time and Frequency Domain Approach | Biplab Roy, Rajarshi Gupta and Jayanta K. Chandra |
| 148 | Design of Band-pass Filter using Improved Sine Cosine Algorithm and its Implementation on FPGA | Arya Sikder, Supriya Dhabal, Pranabesh Bhattacharjee and Palaniandavar Venkateswaran |
| 158 | Distinguishing Photographic and Computer Generated Images using Local Rank Transform | Swati Bhattacharya and Manish Okade |
| 172 | Computational Color Naming for Human-Machine Interaction | Kondalarao Jyothi and Manish Okade |
| 186 | Design of Current-mode High Frequency linear Analog Circuit | Debanjana Datta, Mousumi Bhanja, Amit Prasad, Baidyanath Ray and Ayan Banerjee |
| 325 | A Gray Box Interpretable Visual Debugging Approach for Deep Sequence Learning Model | Md Mofijul Islam, Amar Debnath, Tahsin Al Sayeed, Md. Mosaddek Khan, Swakkhar Shatabda, Anik Islam and Md Mahmudur Rahman |

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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 104 | Hybrid AC-DC Microgrid Load Flow Based on Modified Backward Forward Sweep Method | Deblina Roy, Ujjal Sur and Gautam Sarkar |
| 131 | Monitoring and Control of MultiBus Microgrid System Using FPGA Platform | Smitha Pinto, Narendra Babu P, Rangababu Peesapati and Gayadhar Panda |
| 132 | Short-Circuit based Optimal Location, Sizing and Power Factor Determination of Multi Distributed Generations in Radial Distribution Networks | Sandeep Kumar Das and Supriya Sarkar |
| 136 | Data Acquisition For Residential Energy Management Employing IoT Using ThingSpeak | Gautam M, Mahalakshmi R, Raviteja Siram and Sivanesh S |
| 141 | Effect of Surface Charge Accumulation on Electric Field Computation in $CO_2$ filled GIS | Subham Khatua and Preetha P |
| 143 | A Maximum Power Point Tracking VRLA Battery Charger Based on Modified Perturb and Observe Technique | Rajib Malik, Kalyankumar Ray and Saswati Mazumdar |
| 152 | Partial Discharge Characteristics of Nanofilled Mineral Oil | Joyce Jacob, Dhanya S, Lekshmi Tharamal, Avinash Nelson A and Preetha P |
| 115 | Ferroresonance in Southern Regional Grid of India- Grid Operator's Perspective | Arthi Rones, Abhisek R S, Muthu Kumar, Jane Jose and Abhimanyu Gatia |

| Hall 5: | Track - VIII : Computational Intelligence | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 4 | Lag-Bipartite Consensus of Linear Multi-agent Systems over Signed Directed Graph | Sourav Bhowmick and Surajit Panja |
| 13 | Electric Vehicle Impact Analysis in a Microgrid Using Optimized Bio-Inspired Non-Integer Controller | Shraddha Maslekar, Rohit Venkatesh, Dhananjay Kumar, Hitesh Datt Mathur and Houria Siguerdidjane |
| 170 | A Neutrosophic Solid Transportation Model with Insufficient Supply | Nilabhra Paul, Deepshikha Sarma and Uttam Kumar Bera |
| 208 | Identification and Comparative Analysis of Potholes Using Image Processing Techniques | Asif Ahmed, Samiul Islam and Amitabha Chakrabarty |
| 213 | Image Approximation using Singular Value Decomposition vs the Spatial Information | Tamojay Deb, Anjan K. Ghosh and Anjan Mukherjee |
| 248 | Environment Dependent Neural Network Model For Occupancy Detection | Bed Prakash Das, Kaushik Das Sharma and Jitendranath Bera |
| 275 | An Improved Particle Swarm Optimization based Neural Network Training for Classification | Palash Mondal, Arijit Nandi and Nanda Dulal Jana |

| Hall 2: | Track - IX :  Machine Learning and Data Analytic | |
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| 30 | Restoration of Historical Document Images Using Convolutional Neural Networks | Poulami Raha and Bhabatosh Chanda |
| 33 | The preliminary exploration on application of Machine Learning in the Middle-Infrared Spectrum analysis | Shangmin Dou, Xiaoyu Ji, Yunbo Yang and Yifan Yuan |
| 51 | Classification of Moving Crowd Based on Motion Pattern | Aneek Roy, Nimagna Biswas, Sanjay Saha and Bhabatosh Chanda |
| 71 | Accessibility metric for characterizing the relevance of conference papers | Paramita Das, Agniv Adhikari and Abhik Mukherjee |
| 114 | Correlation Tool for Nextgen SoN Networks | Roshan Nair and Chaithanya Pramodh Kasula |
| 126 | Lossless Video Compression Using Bayesian Networks and Entropy Coding | Rochan Venkat Avlur and Chandrasekar Vaidyanathan |
| 159 | Key-Frame based Event Recognition in Unconstrained Videos using Temporal Features | Prithwish Jana, Swarnabja Bhaumik and Partha Pratim Mohanta |
| 64 | A Comparison of Machine Learning Algorithms to Estimate Effort in Varying Sized Software | Tanziar Rahman and Md. Motaharul Islam |
| 121 | Effect of Cognitive Load on a Random Sequence Generation Task | Rahul Gavas, Debatri Chatterjee, Aniruddha Sinha and Sanjoy Kumar Saha |
| 146 | Unobtrusive Smart-Watch Based Approach for Assessing Mental Workload | Dibyanshu Jaiswal, Arijit Choudhry, Debatri Chatterjee and Rahul Gavas |

| Hall 3: | Track - X :  Signal and System | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 214 | EEG Signal Based Cognitive System for Controlling Home Appliances and Generating Speech Command | Mohammad Muntasir Hassan, Hasin Us Sami and Fariba Islam |
| 237 | Improved Arrhythmia Detection from Electrocardiogram | Priyanka Bera and Rajarshi Gupta |
| 240 | A First Derivative Based R-Peak Detection and DWT Based Beat Delineation Approach of Single Lead Electrocardiogram Signal | Soumyendu Banerjee |
| 246 | Analytical Model of a Multi-Resolution Sample rate re-configurable Decimator for SDADC | Annapurna Mondal, Sagnik Bhar, Supriyo Srimani and Hafizur Rahaman |
| 257 | Novel Realization of Second Order Inverse Bandreject Filter and Inverse Allpass Filter Using Operational Transresistance Amplifier | Subhasish Banerjee, Pulak Mondal and Mourina Ghosh |
| 282 | Texture Features for High-level Classification of Acoustic Scenes | Shefali Waldekar and Goutam Saha |
| 291 | Adaptive Fuzzy Low-pass Filter Based L1 Adaptive Controller | Roshni Maiti, Kaushik Das Sharma and Gautam |

| | Design for Twin Rotor MIMO System | Sarkar |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 160 | An Improved Fault Ride-through of Grid Integrated Solar PV system | Srujan Doragari, Arghya Mitra and Ghanasyam P |
| 164 | Selection procedure of Z-network parameters for a SVPWM Voltage-fed ZSI under varying input voltage conditions with simulated performance | Debalina Nanda, Prasid Syam and Kaushik Mukherjee |
| 179 | Improvement of Environment Friendly Solar Electric Cooking System | Ayesha Akter, Md. Minhaz Masrur Haque, Sheikh Faiyaz Ahmed, Sams Shafiul Amin and A. M Azad |
| 181 | Review on Fault Management in Hybrid Microgrid | Payal Dahiwale and Naran Pindoriya |
| 189 | Performance Comparison of STATCOM and BESS for Restoring Voltage Under Post Fault Scenario | Ata E Rabbi, Shaila Arif and Tareq Aziz |
| 196 | Ata E Rabbi, Shaila Arif and Tareq Aziz | Nahid Al Masood, Md. Iqbal Asif, Ahmed Manavi Alam, Shohana Rahman Deeba and Tareq Aziz |
| 198 | Risks of Cascading Contingencies in Islanded Operation of a Renewable Integrated Microgrid | Tareq Aziz, Nahid Al Masood, Shohana Rahman Deeba, Shaila Arif and Ata E Rabbi |

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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 239 | Eigenvalue Spread based Improved VSSALMS Algorithm for Antenna Beamforming using Digital Signal Processor | Duppala Venkata Ramana, Iti Saha Misra and Salil Kumar Sanyal |
| 242 | EAARG(Energy Aware Allocation of Resources using Game Theory) Approach for Multi-hop Cognitive Radio Network | Shyleshchandra Gudihatti K N, S H Manjula and Venugopal K R |
| 244 | MDC-RSA: A novel online survivable RSA technique in data center oriented EON | Smita Paira, Joy Halder and Uma Bhattacharya |
| 280 | STLDAS: Secure Two Level Deduplication and Auditing of Shared Data in Cloud | Geeta Mara, Mithila Lakshmi G, Shreyas Raju R G, Raghavendra S, Rajkumar Buyya, Venugopal K R, S S Iyengar and L M Patnaik |
| 283 | Extremely Low Effective Material Loss Air Core Photonic Crystal Fiber for THz Guidance | Md. Moshiur Rahman, Farhana Akter Mou, Mohammed Imamul Hassan Bhuiyan and Mohammad Rakibul Islam |
| 285 | An Intelligent Privacy Preserving Vehicle Navigation System | Barnana Baruah and Subhasish Dhal |

| Hall 2: | Track - XIII :  Machine Learning and Data Analytic | |
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| 178 | Study of Recurrent Neural Network models used for evaluating Numerical Expressions | Isha Ganguli, Rajat Subhra Bhowmick and Jaya Sil |
| 199 | Real-Time EEG Classification of Voluntary Hand Movement Directions using Brain Machine Interface | Md. Ochiuddin Miah, Sakib Shahriar Khan, Swakkhar Shatabda, Khondaker Abdullah Al Mamun and Dewan Farid |
| 250 | Population based study on arsenic induced blood samples employing hybrid metaheuristic optimization based ML approach | Anirban Dey, Kaushik Das Sharma, Tamalika Sanyal, Pritha Bhattacharjee and Pritha Bhattacharjee |
| 251 | A Univariate Feature Selection Approach for Finding Key Factors of Restaurant Business. | Md. Razaul Haque Subho, Md. Ridowan Chowdhury, Dipankar Chaki, Samiul Islam and Md. Maruf Rahman |
| 264 | Cross-Domain Transfer Learning for Complex Emotion Recognition | Oruganti V Ramana Murthy and Nagarajan Bhalaji |
| 270 | Analyzing the difference between deep learning and machine learning features of EEG signal using clustering techniques | Anushri Saha, Sachin Rathore, Shivam Sharma and Debasis Samanta |
| 292 | NCS based ultra low power optimized machine learning techniques for image classification | Naman Tiwari and Koushik Mondal |

| Hall 3: | Track - XIV :  Computational Biology and Biomedical Informatics | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 7 | Two-Sided Implicit Euler based Super-Diffusive Model for Benign Tumor Segmentation | Saroj Kumar Chandra and Manish Kumar Bajpai |
| 77 | A Statistical Method for Prediction of Liver Disease based on the Brownian Motion Model | Samya Muhuri, Ananya Sarkar, Sambhabi Chakraborty and Susanta Chakraborty |
| 169 | A Classification-based Approach to Prediction of Dengue Virus and Human Protein-Protein Interactions using Amino Acid Composition and Conjoint Triad Features | Lopamudra Dey and Anirban Mukhopadhyay |
| 192 | Block-level cross diagonal texture matrix-based feature extractor for digital mammogram classification. | Anirban Manna, Govind Chandak, Rohit Mundada, Subash Chandra Manohari, Figlu Mohanty and Suvendu Rup |
| 195 | Identification of Four miRNAs by Analysing Multi-View miRNA-seq Data of Stomach Cancer | Somnath Rakshit, Namrata Pant, Sushmita Paul and Indrajit Saha |
| 273 | Electrohysterography based Preterm Birth Classification in the CEEMDAN Domain | Irtiza Hasan, Auditi Das and Mohammed Imamul Hassan Bhuiyan |
| 279 | Classification and Prediction of Cardiovascular Autonomic | Bitan Pratihar and Madhusree Kundu |

| | Neuropathy severity using Fuzzy LogicBased Expert System | |
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| 303 | Phase-Synchrony And Causality Analysis Of Brain Signals To Determine Signal Transduction Pathways In Color Perception | Saptak Ghosal, Biswadeep Chakraborty, Mousumi Laha and Amit Konar |
| 145 | Global behavior of a within-host viral dynamic model with non-cytolytic cure effect | Mausumi Dhar, Shilpa Samaddar and Paritosh Bhattacharya |

| Hall 4: | Track - XV:  Control Systems and Applications | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 18 | Analysis of Initial Undershoot in Step Response of Type-1 Nonminimum Phase Systems | Soumyadeep Bose, Yogesh Hote and Sandeep Hanwate |
| 81 | Performance Analysis of a Conical Tank System using Lyapunov based MRAC Technique | Santanu Mallick and Ujjwal Mondal |
| 106 | Relative Degree Two Discrete Time Sliding Mode Speed Tracking Control of a DC Motor | Jagannath Samantaray and Sohom Chakrabarty |
| 180 | Hybrid Aperiodic Control of Distributed Networked Nonlinear Systems | Kritika Bansal and Pankaj Mukhija |
| 190 | Modified Least-Square based Model Reduction using Time Moments and Markov Parameters | Lalit Kumar |
| 211 | Bus clamped Space Vector Pulse Width Modulated Direct Torque Control of Induction Motor | Antony K Peter and Jaison Mathew |
| 259 | Design of an adaptive estimator for tracking football in flight | Sarbamoy Mallick, Pritam Pathak and Abhik Mukherjee |
| 260 | Output Feedback based Adaptive Control for Fractional Order Inverted Pendulum on Cart in NSOF Domain | Debasish Biswas, Kaushik Das Sharma and Gautam Sarkar |

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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 205 | Congestion Management Using Demand Response in Smart Distribution System | Kamakshi Prashadini Swain and Mala De |
| 206 | The Technical Impact of Increase in Penetration Level of DG Technologies on Power System | Duppala Deepika |
| 231 | Transient Stability evaluation of a Solar PV Integrated Industrial Microgrid | Ferdous Irtiaz Khan and Tareq Aziz |
| 238 | Sensorless Prediction of Equivalent Circuit Parameters and Losses of a Squirrel Cage Induction Motor using PSO | Diptarshi Bhowmick and Suparna Kar Chowdhury |
| 241 | Harmonics Assessment of a Cascaded Multilevel Inverter using Salp Swarm Algorithm | Srikanta Dash, Byamakesh Nayak and Pakedam Lare |
| 254 | Development of NAN for Energy Monitoring System using ZIGBEE | Rakesh Das and Jitendra Bera |

| 255 | Co-ordinated frequency support of Solar-field/Wind based Independent Hybrid Micro-grid System using WOA optimized single Controller | Abdul Latif and Dr. Dulal Chandra Das |
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| Hall 2: | Track - XVII:  Machine Learning and Data Analytic | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 118 | A novel level set method for medical image segmentation | Soumen Biswas and Ranjay Hazra |
| 171 | An Approach towards Development of Brain Controlled Lower Limb Exoskeleton for Mobility Regeneration | Ganesh Roy, Dristanta Nirola and Subhasis Bhaumik |
| 176 | Learning to synthesize faces using voice clips for Cross-Modal biometric matching | Pranav Agarwal, Soumyajit Poddar, Anakhi Hazarika and Hafizur Rahaman |
| 306 | Predicting Depression in Bangladeshi Undergraduates using Machine Learning | Ahnaf Atef Choudhury, Md. Rezwan Hassan Khan, Nabuat Zaman Nahim, Sadid Rafsun Tulon, Samiul Islam and Amitabha Chakrabarty |
| 318 | Efficient Batch Top k Spatial Term Search by Feature Redundancy | Ramya R S, Naveen Raju G, Darshan M, Sejal D, Venugopal K R, Iyengar S S and Patnaik L M |
| 324 | Machine Learning Approach for ECG Analysis and PredictingDifferent Heart Diseases | Sushmita Roy Tithi, Afifa Aktar, Fahimul Aleem and Amitabha Chakrabarty |

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| 268 | MATLAB-Based GUI Development for the Detection and Localization of Faults in Transmission Line | Himadri Lala, Subrata Karmakar and Anubhav Singh |
| 274 | Comparison of Different Differential Coding based Algorithms Developed for Compressing Power System Operational Data | Subhra J. Sarkar, Palash K. Kundu and Gautam Sarkar |
| 276 | Dynamic Frequency Analysis of Hybrid Micro Grid through Electric Water Heater under Demand Response Scheme | Sudhanshu Ranjan, Dulal Chandra Das and Nidul Sinha |
| 284 | Classification of Power Quality Disturbances using Adaptive Variational Mode Decomposition based Random Vector Functional Link Network | Tatiana Chakravorti |
| 287 | A Modified Holomorphic Embedding Load Flow Method for Active Power Distribution Networks | Ujjal Sur, Amitava Biswas, Jitendra Nath Bera and Gautam Sarkar |
| 289 | Hybrid VSI Compensator for AC/DC Microgrid | Ginnes K John, Sindhu M R and T.N.P. Nambiar |
| 300 | A Comparative analysis of DSM based autonomous hybrid microgrid using PSO and SCA | Mausri Bhuyan, Dulal Chandra Das and Amar Kumar Barik |

| Hall 4: | Track - XIX:  Emerging Technologies | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 24 | Human Activity Recognition using DTW Algorithm | Mohshi Masnad, G. M. Mukit Hasan, Kazi Md. Iftekhar and Md. Sadekur Rahman |
| 116 | Design of Micro-heaters Inspired by Space Filling Fractal Curves | Kumar Sai Charan Karnati, Seshadri Reddy Nagireddy, Rishabh Bhooshan Mishra and Aftab M. Hussain |
| 157 | Structural Modelling, Design Automation, and a Generalized Routing Technique for Digital Microfluidic Biochips with Hexagonal Electrodes | Amartya Dutta, Riya Majumder, Debasis Dhal and Rajat Kumar Pal |
| 226 | Braille Gloves: An Intelligent Hand-Glove to Generate Bengali Braille Characters for Visually Impaired People | Avijit Hazra and Mohammed Moshiul Hoque |
| 235 | An Adaptive Video-based Vehicle Detection, Classification, Counting, and Speed-measurement System for Real-time Traffic Data Collection | Amit Ghosh, Md. Shahinuzzaman Sabuj, Hamudi Hasan Sonet, Swakkhar Shatabda and Dewan Farid |
| 281 | Design-for-Trust Technique for Microfluidic Biochip Layout | Debasis Gountia and Sudip Roy |

| Hall 5: | Track - XX:  Power and Energy | |
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| **Paper ID** | **Paper Title** | **Authors' Name** |
| 123 | Multi-Objective Optimization Based Resource Utilization with Loss Minimization in Microgrid | Dibya Bharti, Meera Sinha, Sukanya . and Mala De |
| 155 | Dielectric Characterisation of Epoxy-Alumina Nanocomposites with Cole-Cole Plot | Avinash Nelson Asokan, Jacob P Varghese, Joyce Jacob, Preetha P and Sunitha Karakkad |
| 204 | Use of Plasmonic Metal Core-Dielectric Shell Composite Nanoparticles Embedded within the Absorbing Layer to Enhance the Efficiency of Thin-Film Solar Cells | Nahid Ibn Ashraf, Mustafa Mohammad Shaky, Rashid Ahmed Rifat and Mustafa Habib Chowdhury |
| 261 | Design of an Off-Grid Solar Powered School for Village Community of India | Marzia Alam and Syed Taha Saleh |
| 301 | Data Driven Approach for Wide Area Generator Coherency Detection Using Synchrophasor Measurements | Dinesh Kumar Mahto, Dusmanta Kumar Mohanta and Fazle Kibriya |
| 314 | Neural Network Algorithm for Solving Economic Load Dispatch | Abhay Garg, Rohit Kumar, Soumyabrata Das, Priti Das, Rachna Bohra, Rohit Prajapati and Tanmoy Malakar |
| 327 | Studies on the effects of temperature on XLPE cable insulation through Polarization and Depolarization Current (PDC) | Arup Das, Arpan Pradhan, Sovan Dalai, Biswendu Chatterjee and Abhijit Mukherjee |
| 329 | Model Predictive Control of DMC based SST | Haris Ahmed and Avik Bhattacharya |