

SCHEDULE of ICPEICES-2018

Time / Date	9.00 AM to 10.00 AM	10.00 AM to 11.00 AM	11.00 AM to 11.30 AM	11.30 AM to 12.30 PM	12.30 PM to 1.30 PM	1.30 PM to 2.30 PM	2.30 PM to 4.00 PM	4.00 PM to 4.30 PM	4.30 PM to 6.00 PM
October 22 , 2018	Registration	Inauguration	High Tea	Key Note	Technical Session I	Lunch	Technical Session II	Tea	Technical Session III
Time / Date	9.00 AM to 10.00 AM	10.00 AM to 10.30 AM	10.30 AM to 11.30 AM	11.30 AM to 12.30 PM	12.30 PM to 1.30 PM	1.30 PM to 2.30 PM	2.30 PM to 4.00 PM	4.00 PM to 4.30 PM	4.30 PM to 6.00 PM
October 23 , 2018	Plenary Session I	High Tea	Technical Session IV			Lunch	Technical Session V	Tea	Technical Session VI
Time / Date	9.00 AM to 10.00 AM	10.00 AM to 10.30 AM	10.30 AM to 11.30 AM	11.30 AM to 12.30 PM	12.30 PM to 1.30 PM	1.30 PM to 2.30 PM	2.30 PM to 4.30 PM	4.30 PM to 5.00 PM	
October 24 , 2018	Plenary Session II	High Tea	Technical Session VII			Lunch	Valedictory Session	Tea	

Venue - 1	Senate Hall
Venue - 2	EDUSAT, EE Dept.
Venue - 3	Smart Class Room-1
Venue - 4	Exposition Hall
Venue - 5	Committee Room
Venue - 6	TW1 FF9, EE

Day-1 : Oct 22, 2018 (12:30PM - 1:30PM)			
Track-1, Session-1 : Venue-1- Senate Hall			
S.No.	Paper ID	Title of Paper	Authors
1	1	Fuzzy Logic, ANN and ANFIS based Models for the Prediction of Wind Power	Upma Singh, Dr. M. rizwan
2	105	Investigations on Effect of Frequency Variation on the Performance of Combined Cycle Gas Turbine	Nikhil Dwivedi, Pranav Jain and J.N. Rai
3	263	A Review of Demand Side Management Techniques	Rachna Dhir
4	28	Development of a characterization tool for determination of sheet resistance at 9 places of large area 156 mm by 156 mm diffused silicon wafer in less than 5 seconds and its application in making high efficiency silicon solar cells	Mohammad Siddiqui, Anil Saxena, Shivangi Jha and B K Pant
5	382	Comparative Analysis in PSO Tuned AGC Strategy of Multi Area Multi-Source Power System Incorporating SMES	Nidhi Gupta and Narendra Kumar
Day-1 : Oct 22, 2018 (12:30PM - 1:30PM)			
Track-2, Session-1 : Venue-2- EDUSAT			
S.No.	Paper ID	Title of Paper	Authors
1	7	Implementation of grid connected wind driven induction generator from MATLAB/Simulink to Real-Time	Kanasottu Anil Naik, Chandra Prakash Gupta and Eugune Fernandez
2	13	Reduced Device Count Switch Ladder Multilevel Inverter Topology	Deepak Singh and Praveen Bansal
3	14	Analysis of Different Modulation Schemes In Asymmetrical Multilevel Inverter	Ashwini Ojha and Praveen Bansal
4	20	A modified perturb & observe algorithm for maximum power point tracking with zero voltage switching buck boost converter in photo voltaic system	Amol Dubal and Sheela Tiwari
5	24	Implementation and Influence of C-SVPWM and BC-SVPWM Techniques using DSP for Voltage Oriented Control of Three Phase Active Front End Rectifier	Jaimin Mehta, Swathy Pillai, Atul Gupta and Raja Manickam
6	346	A Dc-Dc Boost Converter for Sediment Microbial Fuel Cell Energy Harvesting	Jeetendra Prasad and Prof. R.K Tripathi
Day-1 : Oct 22, 2018 (12:30PM - 1:30PM)			
Track-3, Session-1 : Venue-3- Smart Classroom I			
S.No.	Paper ID	Title of Paper	Authors
1	9	Five-Phase Induction Generator for Wind Energy Conversion applications	Mohd Sartaj, Atif Iqbal and Mohd Faisal Khan
2	6	Modular assembly systems in industry 4.0 milieu	N Sumedh, O.V.L Narayana, Madhav Reddy, N Sampath, Priya Bk and Dr. Tk Ramesh
3	22	Emotion Identification System Using Integrated Feature Extraction and Machine Learning	Deepali Gupta and Akash Tayal
4	44	Comparative Performance Analysis of Radial Flux and Dual Air-Gap Axial Flux Permanent Magnet Brushless DC Motors for Electric Vehicle Application	Amit Patel, Tejas Panchal, Bhavik Suthar and Rajesh Patel

5	46	A Complete Fuzzy Logic Based Real-Time Simulation of Vector Controlled PMSM Drive	Ambarisha Mishra, Garima Dubey, Dheeraj Joshi, Pramod Agarwal and Satya Prakash Srivastava
Day-1 : Oct 22, 2018 (12:30PM - 1:30PM)			
Track-4, Session-1 : Venue-4- Exposition Hall			
S.No.	Paper ID	Title of Paper	Authors
1	88	Laguerre Function Based Model Predictive Control for Van de Vusse Reactor	Akansha Jain and Rajashree Taparia
2	417	Multiple-Input Single-Output Universal Biquad Filter Using Single Output OTAs	Ajishek Raj, D R Bhaskar and Pragati Kumar
3	18	CCIII-based Current-Mode SRCOs: A Catalogue of Some New Realisations	Tajinder Arora and Ravindra Sharma
4	403	Generation and Transmission of millimeter Wave Signals and its Compensation using Feed forward Linearization Technique	Saima Idris, Mohd Ashraf, Gaurav Baranwal and Mirza Tariq Beg
5	25	Feature Expanded and Weight Selective Model to Classify the Heart Disease Patients	Kapil Juneja and Chhavi Rana
Day-1 : Oct 22, 2018 (12:30PM - 1:30PM)			
Track-4, Session-1 : Venue-5- Committee Room			
S.No.	Paper ID	Title of Paper	Authors
1	26	Synchronization and anti-synchronization of fractional order system	Lokesh Shankar Singh, Himesh Handa and Nitesh Gupta
2	31	A Vague Rule Integrated Multi-Constraint Model to Improve Quality of Bad Light Affected Facial Images	Kapil Juneja
3	402	Radio Frequency Based (RF) Control & Operation of Electrical/Electronic Appliances in Home/Offices	T. Ramachandran Thangavel, Sanjiv Kumar, Ajay Kumar and Ravi Agarwal
4	35	Energy Harvesting using d33 Mode by Insole Embedded Low Cost Piezo-sensors	Sidhartha Singhal, Sumit Balgavhar and Suresh Bhalla
5	47	GAIN ENHANCEMENT OF CIRCULARLY POLARISED MICROSTRIP PATCH ANTENNA USING METASURFACE	Ankit Sharma, Ujjawal Sarkar, Shubham Kumar Mangal, Sujay Kumar, Tanuj Aggarwal and Lakshmanan M
Day-1 : Oct 22, 2018 (2:30PM - 4:00PM)			
Track-1, Session-2 : Venue-1-Senate Hall			
S.No.	Paper ID	Title of Paper	Authors
1	30	An EMD Based Protection scheme for Distribution System	Mahmood Shaik, Sandeep Kumar Yadav and Abdul Gafoor Shaik
2	32	Grey Wolf Optimization Algorithm for optimal siting and sizing of capacitors	Vivek Pratap Singh Bhadouria and Laxmi Srivastava
3	33	Order Reduction of Linear Time Invariant System using Particle Swarm Optimization	Shubham Kumar Gupta, Himanshu Gupta, Tanmay Shrivastava and Kuldeep Rathore
4	38	State of the art of Human Factors Analysis Applied to Industrial and Commercial Power Systems	Esperanza S Torres, David Celeita and Gustavo Ramos
5	39	Power System Vulnerability Assessment using VCPI	Chaithra A and Sangeeta Modi
6	103	Selection of renewable energy sources for off-grid electrification of North-Eastern States of India	Kusum Tharani, Komal Bagai and Shivam Dabas
7	384	Bird Swarm Algorithm For Solving Multi-Objective Optimal Power Flow Problem	Saket Gupta

Day-1 : Oct 22, 2018 (2:30PM - 4:00PM)			
Track-2, Session-2 : Venue-2-EDUSAT,EE Dept.			
S.No.	Paper ID	Title of Paper	Authors
1	53	Power Loss Analysis in Multilevel Inverters using Multi-objective Optimization	Deepshikha Singla and Parsh Ram Sharma
2	54	Protection of Power Electronic Switches in a VSI against Over-Current and Shoot-Through Faults	Jayatra Simlai, Vivek Choubey, Tarpan Ghosh and Arkendu Mitra
3	57	Power Quality Improvement of Standalone Wind Energy Generation System for Non Linear Load	Seema Agrawal, Vijay Kumar Gupta, D.K Palwalia and R.K Somani
4	63	Harmony Search Algorithm Based Power Quality Improvement in Multilevel Inverter	Deepshikha Singla and Parsh Ram Sharma
5	68	Power Quality Improvement of Grid Connected DFIG using Fuzzy Controller	Nitin Goel, Paras Ram Sharma and Dheeraj Joshi
6	72	A Robust adaline based control of Shunt Active Power filter without Load and filter current measurement	shivangi sharma, vimlesh verma
7	355	Solar PV-BES Based Microgrid System with Seamless Transition Capability	Vivek Narayanan, Seema Kewat and Bhim Singh
8	320	Implementation of MPPT Control in Fuel Cell Fed High Step up Ratio DC-DC Converter	V.Karthikeyan, Vipin Das P and Frede Blaabjerg
Day-1 : Oct 22, 2018 (2:30PM - 4:00PM)			
Track-3, Session-2 : Venue-3- Smart Classroom I			
S.No.	Paper ID	Title of Paper	Authors
1	61	Development of The Intelligent Oil Field With Management and Control using IIoT (Industrial Internet of Things)	Ali Allahloh, Mohd Sarfraz
2	62	Self Excited Induction Generator for Isolated Pico Hydro Power Plant in Remote Areas.	Kailash Rana and Duli Chand Meena
3	70	Predicting the popularity of websites using multilayer perceptron and extreme learning machine	Neha Srivastava, Virendra P. Vishwakarma and Udayan Ghose
4	85	A Hybrid Twenty Five-level Inverter for an Open-End Winding Induction Motor (OEWM) Drive	Anoop Kumar Kanaujia and Sanjiv Kumar
5	100	Effects of Neutral Conductor on Induction Motor Steady-State Performance Under Loss of One Phase of Supply Voltages	Pichai Aree
6	110	Novel and Robust Hysteresis Current Control Strategies For a BLDC Motor : A Simulation Study and Inverter Design	Shrivatsan K Chari, Rishav Dhiman and Rohit Saxena
Day-1 : Oct 22, 2018 (2:30PM - 4:00PM)			
Track-4, Session-2 : Venue-4- Exposition Hall			
S.No.	Paper ID	Title of Paper	Authors
1	48	Efficient Feature Extraction using DWT-DCT for Robust Face Recognition under varying Illuminations	Virendra P. Vishwakarma, Sahil Dalal and Varsha Sisaudia
2	49	ECG Classification using Kernel Extreme Learning Machine	Sahil Dalal, Virendra P. Vishwakarma and Varsha Sisaudia
3	60	Design and Experimental analysis of Integer Order PID Controller for Ceramic IR heating system	Vineet Shekher, Ajendra Singh and J N Rai

4	69	Design and mathematical analysis of microstrip bandpass power divider at Ku band for satellite communications	Kartek Viswanadha and Nallanthighal Srinivasa Raghava
5	71	Comparison between Radix-2, Radix -4 and Radix-8 Booth Algorithm	Garima . and Vaibhav Gera
Day-1 : Oct 22, 2018 (2:30PM - 4:00PM)			
Track-4, Session-2 : Venue-5- Committee Room			
S.No.	Paper ID	Title of Paper	Authors
1	83	Contrast Enhancement and Pseudo Coloring Techniques for Infrared Thermal Images	Manminder Singh and Mandeep Kaur
2	96	Highly linear Current Follower Transconductance Amplifier (CFTA) design and its filter application	Shweta Kumari and Maneesha Gupta
3	97	High Gain Transimpedance Amplifier Using Self Cascode Structure	Preeti Singh and Maneesha Gupta
4	107	Thermal Imaging Technology for Predictive Maintenance of Electrical Installation in Manufacturing Plant – A Literature Review	Shilpa Sambhi
5	416	Arduino Based Automated Multiple Plant Watering System	Pungsubam Sachin Singh, Romesh Laishram, Nongthombam Joychandra Singh, Khuraijam Henary Singh and Chingabam Achilles
Day-1 : Oct 22, 2018 (4:30PM - 6:00PM)			
Track-1, Session-3 : Venue-1-Senate Hall			
S.No.	Paper ID	Title of Paper	Authors
1	42	Transmission Congestion Management of IEEE 24-Bus Test System by Optimal Placement of TCSC	Pallavi Choudekar, Mehtab Fatima and Naga Sai
2	51	Effect of FACTS Devices on Congestion Management using Active & Reactive Power Rescheduling	Sushil Gupta, Naresh Yadav and Mukesh Kumar
3	10	Energy Audit and Energy Conservation Measures for a hostel of an engineering institute	Rakhi Kamra, Srishti Gupta, Manuhar Swaroopa and Abhishek Sharma
4	58	Pitch Angle Control on Variable Speed Wind Turbine by using Fuzzy Logic	Akshiv Kumar and Bhavnesk Kumar
5	77	Transmission Loss Allocation in Restructured Power system with Optimization loss criterion	Naimul Hasan, Ibraheem and Yudhishtir Pandey
6	385	Design and Analysis of Renewable Energy Based Hybrid Model for Remote Applications	Priyanka Anand, A. H. Quadri, S. K. Bath, M. Rizwan and N. Kumar
7	271	GA- based Optimization for Improvement of the System Power Factor by Integration of DGs and STATCOM in Distribution Networks	Bindeshwar Singh, Charit Pal, Priyesh Pnadey and Vikas Verma
Day-1 : Oct 22, 2018 (4:30PM - 6:00PM)			
Track-2, Session-3 : Venue-2-EDUSAT,EE Dept.			
S.No.	Paper ID	Title of Paper	Authors
1	73	THD Minimisation in 15- Level Hybrid Multilevel Inverter using Harmonic Minimization Technique	Abhishek Azad and Dr. Jagdish Kumar
2	15	Analysis of Novel Five-level Boost Multilevel Inverter Structure using different PWM Techniques	Jyoti Tomar, Kuldeep Swarnkar and Praveen Bansal
3	23	Reduced Device Count Asymmetrical Multilevel Inverter Topology Using Different PWM Techniques	Shubham Kumar Gupta and Praveen Bansal
4	80	DESIGN, SIMULATION & ECONOMICAL ANALYSIS OF SOLAR POWERED IRRIGATIONAL WATER PUMP	Kriti Srivastava and Archana Aggarwal

5	81	Sizing and financial optimization of hybrid PV/battery/diesel system	Divya Nagpal and Archana Aggarwal
6	98	Non-linear H-infinity Control for Grid-interactive Offshore Wind Farm and Marine Current Farm	Satendra Kumar Singh Kushwaha, Soumya Mohanty and Paulson Samuel
7	373	PV-Piezo Hybrid Grid Connected System	Anuradha Tomar, Ayush Mittal and Sahil Sharma
Day-1 : Oct 22, 2018 (4:30PM - 6:00PM)			
Track-3, Session-3 : Venue-3- Smart Classroom I			
S.No.	Paper ID	Title of Paper	Authors
1	145	PLC, Programmable motor driver and Pneumatic system based wash or waste bag and clamp assembly system	Arun Upadhyaya and Lalmohan K. S.
2	147	Fuzzy Quaternion-based Pixel Wise Information Extraction for Face Recognition	Sudesh Yadav and Virendra P. Vishwakarma
3	153	Optimization of Railway Tractive Energy Using Conventional and Evolutionary Optimization Techniques	Saurabh Gupta, Priya Mahajan and Rachana Garg
4	192	Controlling AVR voltage and speed of DC motor using modified PI-PD controller	Vinay Kumar Singh, Sudeep Sharma and Prabin Kumar Padhy
5	16	Designing wearable for Health Monitoring: A Review	Sana Ali Naqvi and Sadaf Naqvi
Day-1 : Oct 22, 2018 (4:30PM - 6:00PM)			
Track-4, Session-3 : Venue-4- Exposition Hall			
S.No.	Paper ID	Title of Paper	Authors
1	124	Implementation of High Performance Clock-gated Flip-flops	Prakash Kumar and Kunwar Singh
2	130	An Efficient Unscented Kalman Filter for Joint Angles Estimation and Control of Omni bundle with Noise	Rohit Rana, Prerna Gaur, Vijyant Agarwal and Harish Parthasarathy
3	397	Resistorless Electronically Controllable Quadrature Sinusoidal Oscillator Employing VDIBA	Kanhaiya Lal Pushkar, Komal Rohilla and Sushil Kumar
4	400	Modified RSA for mobile communications	Somu Parande, Jayashree D Mallapur and Shridevi And Vinayak Hiremath And Kotyal
5	401	Design of Multi-Loop L-PID and NL-PID Controllers: An Experimental Validation	Sudarshan K Valluru, Madhu Singh, Arnav Goel, Manpreet Kaur, Daksh Dobhal and Kumar Kartikeya
Day-1 : Oct 22, 2018 (4:30PM - 6:00PM)			
Track-4, Session-3 : Venue-5- Committee Room			
S.No.	Paper ID	Title of Paper	Authors
1	334	Current Feedback Operational Amplifier- Based Fractional Order Filters	Manoj Kumar, D R Bhaskar and Pragati Kumar
2	156	Designing Approach Of Digital Fractional Order Hilbert Transformer Using DST-II Method	Hari Pratap, Dhanpal Singh, Nitin Kumar and Aastha Singh
3	157	Application of wireless technology to enhance safety and productivity in Steel Plant	Indranil Banerjee, M Shrujan, S K Das and S Singh
4	164	Observer Based Controller Design for Inverted Pendulum System	Md Istiyaque and Shahida Khatoon
5	180	Modeling and Control of an Autonomous Bicycle Using Simmechanics	Abhilash S and Jisha V R

6	182	OnBoard Low Power Consuming RF Communication System For CubeSat	Roshan Lal Kumawat, Devanand Kumar Pandit and Ramsai Saka
Day-2 : Oct 23, 2018 (10:30AM - 1:30PM)			
Track-1, Session-4 : Venue-1-Senate Hall			
S.No.	Paper ID	Title of Paper	Authors
1	78	Determination and Allocation of Optimal Size of TCSC and STATCOM for obstruction alleviation in Power System	Jitender Kumar and Narendra Kumar
2	87	Power Factor Correction Using APFC Panel on Different Loads	Ajendra Singh, Vineet Shekher, Prof. J. N Rai, Vinay Sehwal and Vaibhav Dua
3	250	Transformer Health Monitoring System Using Internet of Things	Divyank Srivastava and Madan Mohan Tripathi
4	327	Economic Dispatch Using MATLAB	Swarupa Mishra and Yadwinder Singh Brar
5	91	Development of Load Flow Analysis by Using Scilab Software	Sharvari Inamdar, Anil Vaidya, Vijay Mohale and Shubhendu Devne
6	95	Smart Home Energy Management Considering Battery Health of Energy Storage System and Electric Vehicle	Lokesh Chandra and Saurabh Chanana
7	101	Load Frequency Control of Distributed Generation Comprising of Wind Farm, Synchronous Generator and Energy Storage System	Ankit Kumar Gautam, O. P. Rahi and Preeti Sonkar
8	108	A Technique for Power Factor Measurement of Household and Industrial Load using LabVIEW	Abhishek Kumar Gupta
9	116	Study of Forced Oscillation in Two Area Power System	Vertika Jain, Prof. S.T Nagarajan and Prof. Rachana Garg
10	117	Fuzzy logic models for predicting global solar energy and its solar thermal applications	Gulnar Perveen, M. Rizwan and Nidhi Goel
11	118	An ANFIS Artificial Technique Based Maximum Power Tracker for Standalone PV Power Generation	Neeraj Priyadarshi, Sanjeevikumar Padmanaban, Farooque Azam and Amarjeet Sharma
12	121	Load frequency control of two area interconnected power system using SSSC with PID, Fuzzy and Neural Network based controllers	Ashiq Lone, Viqar Yousuf, Surya Prakash and Mohammad Abid Bazaz
13	128	Load Frequency control based on Non-Integer type PID controller tuned by WOA	Manoj Kumar Debnath, Nimai Charan Patel and Shreeram Choudhury
14	388	Maximum Power Point Tracking Techniques under Partial Shading Condition- a review	Md Reyaz Hussan and Adil Sarwar
15	389	Power quality disturbance prediction using PNN	Richa Sharma and Laxmi Srivastava
Day-2 : Oct 23, 2018 (10:30AM - 1:30PM)			
Track-2, Session-4 : Venue-2-EDUSAT,EE Dept.			
S.No.	Paper ID	Title of Paper	Authors
1	102	A Brief Review Regarding Sensor Reduction and Faults in Shunt Active Power Filter	Shivangni Sharma and Vimlesh Verma
2	104	A Novel Active Anti-islanding Scheme for Inverter-based Distributed Generation	Sheetal Chandak, Manohar Mishra and Pravat Rout
3	27	A New 15-Level Asymmetrical Multilevel Inverter Topology with Reduced Number of Devices for Different PWM Techniques	Kuldeep Rathore and Praveen Bansal

4	111	Selective Harmonic Elimination for Cascaded Three Phase Multilevel Inverter	Deepak Singh, Akhilesh Sharma, Pukhrambam Devchandra Singh and Sarsing Gao
5	119	An ANN Based Intelligent MPPT Control for Wind Water Pumping Supplications	Neeraj Priyadarshi, Sanjeevikumar Padmanaban, Farooque Azam and Amarjeet Sharma
6	122	Characterization Study of a Grid Connected DFIG Based WECS Under Variable Wind Speed and Loading Conditions	Amit Kumar Roy, Prasenjit Basak and Gyan Ranjan Biswal
7	125	Economic Scheduling of Hybrid Microgrid using planned management scheme	Iram Akhtar, Sheeraz Kirmani and Majid Jamil
8	126	An Efficient Solar Energy Harvesting System for Wireless Sensor Nodes	Himanshu Sharma, Ahteshamul Haque and Zainul Abidin Jaffery
9	34	Generation of 13-Level Output Voltage from Single-Phase Multilevel Inverter Consisting of Cascaded Three H-Bridge Units	Tapan Kumar Chakraborty
10	144	RIP-APSA Based Control Algorithm for Power Quality Improvement in Islanded Microgrid	Seema Kewat and Bhim Singh
11	146	High Voltage Gain Switched Capacitor Boost Converter with ANFIS Controller for Fuel Cell Electric Vehicle Applications	Jyotheeswara Reddy K and Sudhakar N
12	152	MODELING AND ANALYSIS OF SUPERCAPACITOR FOR PHOTOVOLTAIC APPLICATION	Shajith Ali U
13	162	Internal Model Controller Design for HVAC System	Shahzad Hussain, Sapna Gupta and Rajeev Gupta
14	375	Distributed Control for Power Management Based on Fuzzy Logic in DC Microgrid	Rohit Deshmukh, Makarand Ballal, Girish G Talapur and H M Suryawanshi
15	386	Selective Harmonic Minimization Scheme Applied to Cascaded H-Bridge Inverter for Satisfying CIGRE WG 36-05 and EN 50160 Grid Codes	Sourabh Kundu and Subrata Banerjee

Day-2 : Oct 23, 2018 (10:30AM - 1:30PM)

Track-3, Session-4 : Venue-3- Smart Classroom I

S.No.	Paper ID	Title of Paper	Authors
1	194	Design of FPI-PD Controller for Brushless DC Motor	Roshan Bharti, Rishika Trivedi and Prabin Kumar Padhy
2	207	Condition Monitoring of Photovoltaic Systems Using Machine Learning Techniques	Kurukuru Varaha Satya Bharath, Ahteshamul Haque and Mohammed Ali Khan
3	211	A Comparative Study of Fuzzy System and Neural Networks for System Modelling and Identification	Shayari Bhattacharjee, Karnika Pandey, Shreya Lau and Meena Tushir
4	221	Fuzzy C-means based model simplification using Jaya optimization algorithm	Chhabindra Nath Singh, Akhilesh Kumar Gupta, Dr. Deepak Kumar and Paulson Samuel
5	224	A Voltage Controlled Sensorless Speed Control of PMLD Motor Drive for an Electric Two Wheeler	Chitra Bhattacharya, Shailendra Kumar Sharma and H. K. Verma
6	229	DYNAMIC PERFORMANCE ANALYSIS OF REACTIVE POWER AND IMPROVED ROTOR FLUX BASED MRAS FOR INDUCTION MOTOR DRIVES EMPLOYING PI AND FUZZY CONTROLLER	Mogili Ankarao, M Vijaya Kumar and Panditi Dinesh
7	239	Neuro-ELO Based Speed Estimation of Improved Designed Induction Motor Drive for Single Stage Photovoltaic Fed Water Pumping	Khusro Khan, Saurabh Shukla and Bhim Singh

8	253	Parametric Optimization of Proton Exchange Membrane Fuel Cell using Successive Trust Region Algorithm	Shashwati Ray, Heena Mishra and T. V. Dixit
9	268	Optimum Path Tracking of an Intelligent Agent Using Improved Q-Learning Algorithm	Anisom Chakraborty, Shriya Ghosh, Subhabrata Banerjee and Dhruvajyoti Das
10	356	Evaluation of emission and performance characteristics of different biodiesel blends with varying FIP on a single cylinder CI engine	Siddhartha Agarwal, Gianeshwar Aggarwal, Archit Gupta and Sumit Roy
11	357	Experimental investigation and ANN modelling of performance-emission parameters of a single cylinder CI engine fueled with ethanol-diesel blends	Sai Kumar Rao, Konkimalla Ravi Teja, Karri Vivek Reddy and Sumit Roy
12	292	Dynamic Behavior Control of Induction Motor with STATCOM	Majid Dehghani, Peyman Karimyan, Mehrdad Abedi and Hadis Karimipour
13	140	Multi-Objective Genetic and Adaptive Particle Swarm Optimization Algorithms: A Performance Analysis with Benchmark functions	Sudarshan K Valluru and Madhu Singh

Day-2 : Oct 23, 2018 (10:30PM - 1:30PM)

Track-4, Session-4 : Venue-4- Exposition Hall

S.No.	Paper ID	Title of Paper	Authors
1	183	Optimize Energy based on grid clustering and chaining protocol in Wireless Sensing nodes	Geeta Yadav, Dheeraj Joshi and Dr Mahendra Soni
2	185	Design of Fractional Order Butterworth Filter using Genetic Algorithm	Ashu Soni and Maneesha Gupta
3	203	Analysis of Aqueous Supercapacitor for Variation in Separator Wetness	Utkarsh Mishra, Ravi Giri, Saurabh Chaudhari, A. P. Deshpande, P. B. Karandikar and Sahil Sharma
4	205	Analysing stability of time delayed synchronous generator and designing optimal stabilizer fractional order PID controller using particle swarm optimization technique	Mohammad Ali Daftari and Mohammad Ali Nekoui
5	218	Design and Analysis of High Performance Line Start Permanent Magnet Synchronous Motor	Arvind Kumar and Ajay Srivastava
6	219	Fractional Order Tchebichef Moment and its Invariants	Vishal Kumar Pandey, Jyotsna Singh and Harish Parthasarathy
7	232	Microcontroller based load prioritization technique in Residential sector	Mohini Yadav, Majid Jamil and Mohammad Rizwan
8	235	Visual Representation of Change in Vegetation Area of Dehradun, Uttarakhand, India using Normalized Difference Vegetation Index (NDVI)	Amit Shakya, Ayushman Ramola, Kunal Sawant, Shailini Tiwari, Shamshul Aarfin and Prag Mittal
9	217	Investigation Of Effect Of Charcoal Particle Size On Earth's Resistance	Meghna R Yashwante, P.B Karandikar, N.R Kulkarni, Shusil B. Dhembare Abhijit B. Bhosle
10	257	Electronically tunable current mode universal filter using a single MX-CCCII	Deepak Agrawal and Sudhanshu Maheshwari
11	266	Design and Implementation of Cache Coherence Protocol for High-Speed Multiprocessor System	Daman Preet Kaur and Vemu Sulochana
12	272	Model reduction of continuous-time interval systems using Eigen spectrum analysis	Chhabindra Nath Singh, Deepak Kumar, Paulson Samuel and Ankit Sachan
13	109	Application of Linear Quadratic Methods to Stabilize Cart Inverted Pendulum Systems	Sudarshan K Valluru, Madhusudan Singh and Mayank Singh

Day-2 : Oct 23, 2018 (10:30PM - 1:30PM)

Track-4, Session-4 : Venue-5- Committee Room

S.No.	Paper ID	Title of Paper	Authors
1	274	Design and Implementation of PLC – SCADA Based Energy Conservation Scheme for Light Load	Mini Sreejeth, Madhusudhan Singh, Bharat Garg and Himanshu Jain
2	277	Comparative study and investigation of the Broadband powerline channel model	Mukesh Kumar Varma, Zainul Abdin Jaffery and Ibraheem Nasir
3	383	Literature Review of Flow Battery Models	Nidhi Gupta and Narendra Kumar
4	288	Design and Development of Digital Signal Controller based Motorized Zoom Controller for 16X Zoom Thermal Imager	Himanshu Singh and Sudhir Khare
5	295	Application Of Modal Series Method In Optimization Of AIDS Disease"s System Model	Rozhin Zahedi and Mohammad Ali Nekoui
6	298	Millimeter Wave Reconfigurable Vivaldi Antenna using Power Divider for 5G Applications	Akhilesh Verma and Raghava N.S
7	299	Generating Electricity on Roadside Using INVELOX	Sayed Dip, Zyed Sadiq, Rudaba Nasrul, Shihab Khondokar and Abu Hena Shatil
8	300	Compensating a Third Order Process having Inverse Response	Gaurav Kataria and Kailash Singh
9	303	FSDPRO - A Technique for Low Power Noise Tolerant TSPC Design	Preeti Verma, Ajay K Sharma, Vinay S Pandey and Arti Noor
10	313	Design of PD-PID Controller with Double Derivative Filter for Frequency Regulation	Priyambada Satapathy, Manoj Kumar Debnath and Pradeep Kumar Mohanty
11	315	Design and Simulation of Low-power Conditional-Discharging Flip Flop	Nidhi Gupta and Krishna Singh
12	316	Composite Nonlinear Feedback control for Inverted Pendulum with Input Saturation	Bhavna Agarwal and Manisha Bhandari
13	317	Integrating Wavelet Coefficients and CNN for recognizing handwritten characters	Madhuri Yadav and Ravindra Kumar Purwar

Day-2 : Oct 23, 2018 (2:30PM - 4:00PM)

Track-1, Session-5 : Venue-1-Senate Hall

S.No.	Paper ID	Title of Paper	Authors
1	139	Multiobjective Economic Load Dispatch using Fuzzy Logic Decision System	Dr. N.K. Jain, Dr.Uma Nangia and Jyoti Jain
2	148	Energy and Exergy Analysis for Heliostat Based Solar Thermal Power Plant	Manoj Kumar and Dr. R.P Saini
3	150	Efficient Approach for DG placement and size in medium voltage distribution system	Anand K Pandey and Sheeraz Kirmani
4	154	A Comparative Performance Analysis of Automatic Generation Control of Multi-Area Power System Using PID, Fuzzy and ANFIS Controllers	Mukesh Kumar Bhaskar, Nidhi Singh Pal and Vinod Kumar Yadav
5	158	Design of A Hybrid Controller Based on GA-SMC for The Multi-terminal VSC-HVDC Transmission System	Ramu Srikakulapu and Vinatha U
6	161	Market-Based Load Frequency Control of Interconnected Power System	Naimul Hasan, Ibraheem Nasiruddin and Samiuddin Ahmad
7	396	Intelligent Approach for Load Balancing on an 11 KV Feeder	Jagriti Surabhi, Priyanka Chaudhary and M. Rizwan

Day-2 : Oct 23, 2018 (2:30PM - 4:00PM)

Track-2, Session-5 : Venue-2-EDUSAT,EE Dept.

S.No.	Paper ID	Title of Paper	Authors
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1	163	Adaptive Particle Swarm Optimization Based Maximum Power Point Tracking in Grid Connected PV System	Arjun Baliyan, Majid Jamil and M.Rizwan Rizwan
2	165	Performance Evaluation of 3-Phase 4-Wire SAPF based on Synchronizing EPLL with Fuzzy Logic Controller	Seema Agrawal, Deepika Sharma, Vijay Kumar Gupta and R. K. Somani
3	362	Battery Charging of Smart Phones using Organic Solar Cells	Rahul Kumar, Rakesh Kumar Meena, Ritesh Kant Gupta, Arun Tej Mallajosyula, Parameswar K Iyer and Shabari Nath
4	170	Soiling Effects on PV panels and cleaning techniques	Isha Arora, Jaimala Gambhir and Tarlochan Kaur
5	173	ARDUINO BASED MOTION SENSING ALARM USING SOLAR ENERGY	Mukul Singh, Dr. Omveer Singh, Dr. Arif Iqbal and Vishwamitra Singh
6	174	Event-Triggered Based Automatic Generation Control Considering Probabilistic Actuator Failure	Pankaj Dahiya, Pankaj Mukhija and Anmol Ratna Saxena
7	175	Multi-Input Multi-Level Isolated DC-DC Converter for Enhanced Reliability of Renewable Sources	Ravi Vardhan Arya, Amrithesh Kumar and Aditya Narula
8	391	Adaptive SMC Based DTC of Position Sensorless PMSM Driven Solar PV Water Pumping System	Mohd Kashif, Shadab Murshid and Bhim Singh

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Track-3, Session-5 : Venue-3- Smart Classroom I

S.No.	Paper ID	Title of Paper	Authors
1	306	Impact of Particle Swarm Optimization Parameters on its Convergence	N.K.Jain Jain, Uma Nangia and Jyoti Jain
2	307	Audio Watermarking Using Beat Detection and Pitch Estimation	Lavi Tanwar, Radhika Dang, Satvik Maurya and Jeebananda Panda
3	311	Implementation and Analysis of field control on Electric Vehicle Power Train System employing PMSM as Traction Device	Monika Verma, Mini Sreejeth and Madhusudan Singh
4	354	Effect of methanol on performance-emission spectra of a spark-ignition engine	Arjun Mahajan, Abhishek Agarwal, Kalluri Vinayak and Sumit Roy
5	330	Implementation of V/f Adjustable Speed Drive for Induction Motor Using dSPACE dS1104	Chinmay Tigade and Mini Sreejeth
6	376	Evaluation of emission characteristics of green diesel in a single cylinder CI engine	Manu J Nair, Vaibhav Pahuja, P Suvesh and Sumit Roy
7	395	Design and Simulation of Sensorless Control Algorithms of Brushless DC Motor: A Review	Ashish Dimri, R.D. Kulkarni, S.R. Gurumurthy and J. Nataraj
8	404	Bifurcation Curves for Electrical DC Motors	Sudarshan K Valluru, Madhusudan Singh, Aditya Verma and Anshul Gupta

Day-2 : Oct 23, 2018 (2:30PM - 4:00PM)

Track-4, Session-5 : Venue-4- Exposition Hall

S.No.	Paper ID	Title of Paper	Authors
1	323	Review of Different Transforms used in Digital Image Watermarking	Lavi Tanwar and Jeebananda Panda
2	325	A Simple and Cheap Method of Rapidly Prototyping Power Electronic Converters using Microcontroller	Sidharth Talia, Sandeep Banerjee, Komal Bagai and Nikunj Agarwal
3	329	Parameter Estimation of Single-Phase Rectifier Based Load Circuit using Unscented Kalman Filter	Amit Kumar Gautam and Sudipta Majumdar
4	282	Cognitive Radio Technology in 5G Wireless Communications	Shruti Bhandari and Sunil Joshi

5	335	A Novel Method for Predicting Attenuation Caused by Clouds for Higher Frequency Bands	Ravinder Kumar, Hitesh Singh, Boncho Bonev and Peter Petkov
6	336	An Efficient Weighted Trust Method for Malicious Node Detection in Clustered Wireless Sensor Networks	Bhavnes Jain, Vishwamitra Singh and Lalit Kumar Tanwar

Day-2 : Oct 23, 2018 (2:30PM - 4:00PM)

Track-4, Session-5 : Venue-5- Committee Room

S.No.	Paper ID	Title of Paper	Authors
1	337	The Optimal Control Design LQG / LTR and Applying INA Method for a Small Spacecraft	Reza Tarighi and Mohammad Ali Nekoui
2	342	Performance Analysis of Non-coherent Modulations over FTR Fading Model	Veenu Kansal, Harpreet Kaur and Simranjit Singh
3	345	A Novel Approach for Predicting Attenuation of Radio Waves caused by Rain	Hitesh Singh, Boncho Bonev, Peter Petkov and Ravinder Kumar
4	347	REAL TIME ANALYSIS OF MAC BASED AND LEVEL BASED ROUTING PROTOCOL FOR WIRELESS SENSOR NETWORK	Aditi Gaur, Shweta Jaroli, Sunil Joshi and Shruti Bhandari
5	352	Modeling of LED using Piecewise Linear Approximation and Maclaurin series Expansion	Obaidur Rahman, Priya Mahajan and Rachana Garg
6	256	Integrated Power Management For GEO/LEO Satellites	Prakash Payyadakath

Day-2 : Oct 23, 2018 (4:30PM - 6:00PM)

Track-1, Session-6 : Venue-1-Senate Hall

S.No.	Paper ID	Title of Paper	Authors
1	166	A CONTROL STRATEGY FOR STATCOM IN ALLEVIATION OF SUBSYNCHRONOUS RESONANCE IN POWER SYSTEMS	Viqar Yousuf and Aijaz Ahmad
2	167	Analytical Approach for Multiple DSTATCOMs Allocation in Radial Distribution Systems for Enhancement of Energy, Cost and Emission Savings	Imran Ahmad Quadri, Suman Bhowmick and Dheeraj Joshi
3	290	Day Ahead Electricity Price Forecasting using Hyper Parameter Optimized SVR Models	S Sreekumar, R Bhakary, S Chawda y, F Teotia y and V Prakashy
4	176	EFFICIENT POWER SYSTEM DESIGN FOR A CUBESAT	T Nitin, Rajdeep Singh Dhanjal, Meghana Tripathi and Prasenjit De
5	190	Application of singular perturbation methodology for transient stability study of electric power system	Sunitha Anup, Terlochan Bhatti and Ashu Verma
6	195	Study of P&O And INC PV MPPT Techniques For Different Environment Conditions	Bipin Singh, Bharat Verma and Prabin Kumar Padhy
7	204	A Unified Approach for Voltage Enhancement in Radial Distribution Network with Dynamic Loading	Swati Arora, Sandeep Kaur and Rintu Khanna
8	399	A Control Strategy for Subsynchronous Resonance Under Varying Degree of Series Compensation	Narendra Kumar and Shilpa Gupta

Day-2 : Oct 23, 2018 (4:30PM - 6:00PM)

Track-2, Session-6 : Venue-2-EDUSAT,EE Dept.

S.No.	Paper ID	Title of Paper	Authors
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1	177	Grid Tied Hybrid Photovoltaic-Fuel Cell Power System for Residential Load	Mukul Chankaya and Aijaz Ahmad
2	178	Variable Step HCS Based Sensorless Control of Wind Driven DFIG for Autonomous Operation	Bhim Singh, Sambasivaiah Puchalapalli, Shailendra Kumar Tiwari and Puneet Kumar Goel
3	179	An Intelligent MPPT Controller Based AC to DC Boost PFC Converter for Grid-Tied Wind Energy Conversion System	Damodhar Reddy and Sudha Ramasamy
4	181	Symmetrical Components Estimation of Unbalanced Three Phase Power System Using MO-ADALINE Structure and Hermite Polynomial Gauss Newton Algorithm	Swastik Acharya, Umamani Subudhi, Harish Kumar Sahoo and Anuj Jena
5	184	A Normalized Adaptive Filter for Enhanced Optimal Operation of Grid Interfaced PV System	Vedantham Lakshmi Srinivas, Shailendra Dwivedi, Bhim Singh and Sukumar Mishra
6	84	Power quality improvement using Fuzzy-PI Controlled D-STATCOM	Atma Ram, Parsh Ram Sharma and Rajesh Kumar Ahuja
7	392	Multipulse AC-DC Conversion Fed 3rd Harmonic Injection Based SPWM Controlled Cascaded MLI Driven VCIMD	Piyush Kant and Bhim Singh
8	294	Multi-Functional Capabilities of Self Tuned Filter in Three Phase Four Wire Polluted Grid Distribution System	Prakash Chittora, Alka Singh and Madhusudan Singh

Day-2 : Oct 23, 2018 (4:30PM - 6:00PM)

Track-4, Session-6 : Venue-3- Smart Classroom I

S.No.	Paper ID	Title of Paper	Authors
1	359	A Resistive based Soil Moisture Sensor using Arduino UNO	Akhilesh Kandwal, Amit Kumar Shakya, Sharat Chandra Bhardwaj and Rishi Prakash
2	363	Improve Collision in Highly Dense WiFi Environment	Vishal Bhargava and Prof. N. S. Raghava
3	364	Microwave Circuits Characterization on Carbon Fibre (CFRP) based Carrier plates	Kamaljeet Singh, Nirmal A V, Hemen Kansara and Venkatesh V
4	366	Analysis of Energy Aware Routing Techniques in Wireless Sensor Networks	Gitanjali Mehta and Vinod Yadav

Day-2 : Oct 23, 2018 (4:30PM - 6:00PM)

Track-4, Session-6 : Venue-4- Exposition Hall

S.No.	Paper ID	Title of Paper	Authors
1	371	Morphology Control of Mixed Halide Perovskite for its Application in Low-cost Thin Film Transistor	Anwesa Choudhury, Priyanka Dogra, Biki Teron, Ritesh Kant Gupta, Anamika Dey, Ashish Singh, Rabindranath Garai and Parameswar Krishnan Iyer
2	17	PERFORMANCE ANALYSIS OF FSO LINK UNDER DIFFERENT CONDITIONS OF FOG IN DELHI, INDIA	Aditya Kesarwani, Anuranjana Sharma, Sanmukh Kaur, Manpreet Kaur and Pawan Singh Vohra
3	380	Polyaniline and Charcoal binary Nanocomposite as an Electrode Material for Supercapacitor Applications	Swati Chaudhary, Sudharsana Bhashyam P and B V Kiran Kumar Althurthi
4	381	Comparative Research for managing Delay in Signal Processing via Multipliers	Aniket Kumar, Ekta Gupta and Rakesh Kumar Jain
5	387	Perturbation Based Nonlinear Analysis of MOSFET Circuit	Rahul Bansal and Sudipta Majumdar

Day-2 : Oct 23, 2018 (4:30PM - 6:00PM)			
Track-1, Session-6 : Venue-5- Committee Room			
S.No.	Paper ID	Title of Paper	Authors
1	367	Overvoltage and Undervoltage Protection of Load using GSM modem SMS Alert	Savita Singh, Sumit Shrivastava, Abhishek Arora and Vikas Varshney
2	369	Optimal Placement and Sizing of Distributed Generation using Flower Pollination Algorithm for Power Loss Reduction Maximization in Distribution Networks	Sabarinath G and T.Gowri Manohar
3	370	Automatic Generation Control (AGC) along with Renewable Energy Resources (RER)	Shahzad Ahsan and Anwar Shahzad Siddiqui
4	372	On-Line Monitoring and Simulation of Transmission Line Network Voltage Stability Using FVSI	Manish Kumar Meena and Narendra Kumar
5	374	Impact of Presence of Calender Feature in the Performance of Day-Ahead Electric Load Power Forecasting with New Framework Realized in Artificial Neural Network Technique using Matlab Programming	Vetri Selvi M and Sukumar Mishra
6	379	Voltage profile enhancement for IEEE-14 bus system using UPFC, TCSC and SSSC	Gurudutt Bagha and Amit Kumar
Day-3 : Oct 24, 2018 (10:30AM - 1:30PM)			
Track-1, Session-7 : Venue-1-Senate Hall			
S.No.	Paper ID	Title of Paper	Authors
1	206	Load Flow Solution For Radial Distribution Network	Om Pathak and Prem Prakash
2	92	Self Scheduling of Renewable Hybrid Energy Utility Considering Unscheduled Interchanges.	Puneet . and Dr. Kanwardeep Singh
3	220	An Exponential Smoothing Based Power Swing Detection Technique for Distance Protection	A.V. Koteswara Rao, K. M. Soni, S. K. Sinha and Ibraheem Nasiruddin
4	222	Three inputs and Two Outputs Boost DC-DC Converter for DC Microgrid Applications	Arun Sarathi, Guru Kumar, Kumaravel S and Sivaprasad A
5	223	Novel intelligent controllers for Load Frequency Control of a Multi Area hybrid power System	Divyank Srivastava and Madan Mohan Tripathi
6	230	A Comparative Study for Short Term Wind Speed Forecasting using Statistical and Machine Learning Approaches	Parul Arora, Himanshu Kumar and Bijaya Ketan Panigrahi
7	238	Performance Analysis of a Distance Relay for Zone Identification	Kiruthika M and Bindu S
8	245	A Review on Greenhouse Architecture & Environment Control	Anuradha Tomar and Ritu Kandari
9	260	Softcomputing tuned AGC for diverse source Interconnected Power System	Naimul Hasan, Ibraheem Nasiruddin and Shuaib Farooq
10	264	Machine Learning through Back Propagation networks using OPSO with Cauchy Mutation and GCP SO in higher dimensions	N K Jain, Uma Nangia and Devinder Kumar
11	276	Genetic algorithm based TDF-IMC scheme for load frequency control of single-area power systems	Bheem Sonker, Deepak Kumar and Paulson Samuel
12	301	Artificial Neural Network based Model for Short Term Solar Radiation Forecasting considering Aerosol Index	Astitva Kumar, Mohammad Rizwan and Uma Nangia
13	308	Development of empirical models for forecasting global solar energy	Gulnar Perveen, M. Rizwan and Nidhi Goel

14	312	A Novel Scheme for Potential Identification of Customers for Demand Response	Pradeep Kumar Mallick, Arjun Tyagi and Ashu Verma
Day-3 : Oct 24, 2018 (10:30AM - 1:30PM)			
Track-1, Session-7 : Venue-2-EDUSAT,EE Dept.			
S.No.	Paper ID	Title of Paper	Authors
1	322	Phasor Measuring Units of Smart Grid for Uninterrupted and Stable Power Supply in India	Punit Mangal
2	338	Optimal Allocation of Capacitor and SVC in Radial Distribution System to reduce power loss and Operational Cost	Varsha Aggarwal, Imran Ahmad Quadri and Suman Bhowmick
3	339	Optimal placement of Distributed Generation for Congestion Management: A comparative study	Md Sarwar, Anwar Siddiqui, Zainul Jaffery and Imran Quadri
4	340	Improved Binary Sequence MPPT Method for Solar PV Applications	Swapnendu Narayan Ghosh
5	344	Optimal Configuration and Modeling of a Small Autonomous Power System for un-electrified remote villages	M Ramesh and R P Saini
6	348	Placement of Distributed Generation in Radial Distribution System by Considering Uncertainty of Load Demand	Prem Prakash
7	350	DESIGN AND DEVELOPMENT OF A SMALL SCALE HYBRID SYSTEM FOR A REMOTE AREA	Anurag Chauhan, Mohd Tauseef Khan and Ashish Srivastava
8	353	Application of ALO to Economic Load Dispatch Without Network Losses for Different Conditions	Sudhakara Reddy A V, Praveen Kumar Reddy Y, Bhargava Reddy B and Krishna Reddy Y V
9	287	To Find I-V and P-V characteristics of Photovoltaic(PV) module using MATLAB simulation	Anshuman Kumar Jha
Day-3 : Oct 24, 2018 (10:30AM - 1:30PM)			
Track-2, Session-7 : Venue-3- Smart Classroom I			
S.No.	Paper ID	Title of Paper	Authors
1	200	Control Strategies Used For Grid Tied Inverter.	Kiran Kondawar and Preeti Khatri
2	189	IFLL Based Control for PV System at Adverse Grid Conditions	Bhim Singh and Vandana Jain
3	191	Internal Model Controller Design for Boost Converter by Stochastic Optimisation	Kelam Sudheer Kumar, Bharat Verma and Prabin Kumar Padhy
4	201	Output Voltage Control of DC-DC Boost Converter Using Model Predictive Control Approach	Kiran Khunte, Madichetty Sreedhar and Sukumar Mishra
5	202	Design of an efficient Solar PV Battery Charge Controller under dynamic Motor load conditions	Sourish Ganguly, Subhrasish Pal, Imran Khan, Debabrata Das, Ahana Ghosh and Ankur Bhattacharjee
6	208	Hybrid Voltage Control for Stand Alone Transformerless Inverter	Mohammed Ali Khan, Ahteshamul Haque and Varaha Satya Bharath Kurukuru
7	216	Performance Analysis of Different Modulating Techniques for Multilevel PV Inverter	Allu Bhargav, Alka Singh and Ankita Arora
8	225	Autonomous Operation of Single Stage Solar PV-BES Based Microgrid	Shubhra Shubhra and Bhim Singh
9	226	SRF and IRPT methods of DSTATCOM for combined harmonics elimination and reactive power compensation	Sobit Gairola and Mamta Chamoli
10	227	Wavelet Based Control of Shunt Compensator for Power Quality Enhancement	Masood Anzar, Narendra Kumar and Mohammad Rizwan

11	233	Improved Filtered X-Adaptive Control for Power Quality Improvement at PCC of an Isolated Wind-BES Microgrid System	Farheen Chishti, Shadab Murshid and Bhim Singh
12	234	Analysis of Different MPPT Techniques Under Partial and Un-shaded Condition for Solar PV System	Anirudh Dube, Majid Jamil and M Rizwan
13	236	Third Order Sinusoidal Integrator Control of PV-Hydro-BES Based Isolated Micro-grid	Vineet P Chandran, Shadab Murshid and Bhim Singh
14	240	Frequency Estimation of Unbalanced Three Phase Power System Using Legendre Polynomial Based Gauss Newton Algorithm	Shreeva Pattnaik, Umamani Subudhi, Harish Sahoo and Saswat Panigrahi
15	393	Acoustic Echo Cancellation Based Adaptive Control Algorithm for Grid Integrated SECS System	Kanwar pal, Shailendra Kumar and Bhim Singh, Tara C. Kandpal

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Track-2, Session-7 : Venue-4- Exposition Hall

S.No.	Paper ID	Title of Paper	Authors
1	394	Multi-Functional Capabilities of Self Tuned Filter in Three Phase Four Wire Polluted Grid Distribution System	Prakash Chittora, Alka Singh and Madhusudan Singh
2	244	Power Quality Improvement Using Multilayer Gamma Filter Based Control for DSTATCOM Under Nonideal Distribution System	Pavitra Shukl and Bhim Singh
3	246	A Hysteresis Current Controlled Grid connected Full Bridge Inverter With Zero Current Switching	Shashank Kurm and Vivek Agarwal
4	247	Implementation of PSO based Selective Harmonic Elimination Technique in Multilevel Inverters	Peeyush Kala and Sudha Arora
5	248	Efficient Matrix Wiener Filter Implementation Improves Power Quality in Distribution System	Shagufta Khan, Md Tausif Ahmad, Narendra Kumar and Bhim Singh
6	249	Multi-Objective Control Algorithm for Solar PV-Battery based Microgrid	Yashi Singh, Bhim Singh and Sukumar Mishra
7	258	Grid Integration of PV- BESS Based Microgrid Using Vector Based Synchronization Technique	Neha Beniwal, Ikhlq Hussain and Bhim Singh
8	259	Hybrid Switched Inductor / Switched Capacitor based Quasi-Z-source DC-DC Boost Converter	Punit Kumar and Mummadi Veerachary
9	262	Modelling & Simulation of Microgrid Solar Photovoltaic System with Energy Storage	Dinanath Prasad, Narendra Kumar and Rakhi Sharma
10	267	Single-Phase Grid Interfaced WEGS using Frequency Adaptive Notch Filter for Power Quality Improvement	Tripurari Nath Gupta, Shadab Murshid and Bhim Singh
11	270	Performance Analysis of Discontinuous Pulse Width Modulation Schemes on PUC-5 Inverter	Abdul Azeem and Mohd Tariq
12	283	Grid Interactive MISO Converter Based PV System	Anuradha Tomar and Sukumar Mishra
13	284	An Efficient Power Management Control Technique for Battery Supported Solar Powered Water Pump Using Positive Output Luo Converter	Anjaneer Kumar Mishra and Bhim Singh
14	285	Performance Comparison of Different Inverter Stages CS-VCO in 0.18 μ m CMOS Technology	Ashish Mishra and Indu Prabha Singh
15	398	Single VDBA-Based Voltage-Mode Universal Biquadratic Filter	Kanhaiya Lal Pushkar, Ghanshyam Singh and Sushil Kumar
16	405	DSOGI based Grid Synchronization under Adverse Grid Conditions	Simar Preet Kaur and Alka Singh

Day-3 : Oct 24, 2018 (10:30PM - 1:30PM)

Track-2, Session-7 : Venue-5- Committee Room

S.No.	Paper ID	Title of Paper	Authors
1	286	Reweighted Sparse- Least-Mean Mixed-Norm Adaptive Control for Solar PV Integrated EV Charging Station	Anjeet Verma and Bhim Singh
2	289	Adaptive Frequency Estimation Technique for Grid Connected Photovoltaic System	Sudip Bhattacharyya, Shailendra Kumar and Bhim Singh
3	293	Acoustic Echo Cancellation Based Adaptive Control Algorithm for Grid Integrated SECS System	Gaurav Modi, Shailendra Kumar and Bhim Singh
5	296	Design and Implementation of Biquad Filter for Shunt Compensation under Normal and Distorted Grid Conditions	Ankita Arora and Alka Singh
6	302	A Robust Frequency Adjustable QSG With Cascaded Adaptive Complex Filter Based Control for Utility Interfaced PV System	Sunil Pandey, Shailendra Kumar and Bhim Singh
7	309	Design & Implementation of Solar fed Intensity Controlled Streetlight	Jaspreet Singh, Prof. Priya Mahajan and Prof. Rachana Garg
8	314	Modified Gradient Spectral Variance Smoothing Adaptive Filter Control for Grid Connected PV System	Sandeep Kumar Sahoo, Shailendra Kumar and Bhim Singh
9	318	Multifunctional Adaptive RZA-NLMF Control Technique for Double Stage SEGS Interfaced With Three-Phase Distribution Feeder	Amresh Kumar Singh, Ikhlq Hussain and Bhim Singh
10	254	A Grid-Connected DC Microgrid Application for a Typical School Load Demand	Mohd Alam, Kuldeep Kumar and Viresh Dutta
11	321	Design and Analysis of Fifth-order Buck-Boost Converter	Mummadi Veerachary
12	326	Source Scheduling for Power Matching of Clustered Induction Generators fed VSC supported Microgrid	Peeyush Pant and Vishal Verma
13	328	Adaptive MPPT Algorithm for stand-alone PV System Under Partial Shading Condition	Pallavi Verma, Priya Mahajan and Rachana Garg
14	331	Power Factor Pre-regulation in Interleaved Luo Converter Fed Electric Vehicle Battery Charger	Radha Kushwaha and Bhim Singh
15	333	Implementation of a Modified Distributed Normalized Least Mean Square Control for a Multi-Objective Single Stage SECS	Syed Bilal Qaiser Naqvi, Shailendra Kumar and Bhim Singh
16	135	Design, Mathematical Modeling & Simulation of DC-DC Boost Converter of Photovoltaic (PV) Module using MATLAB/Simulink	Arvind Goswami, Avdhesh Kumar and Sushil Kumar
17	136	Study & Analysis of P-V and I-V Characteristics of Solar Cell in MATLAB/Simulink	Arvind Goswami, Avdhesh Kumar and Sushil Kumar