

## Programme & Paper Session Schedule

### December 22, 2018

Time	Activity			
08:15 AM – 09:15 AM	<b>Registration</b> (Smt. Sharda Pai Auditorium, Academic Building 2AB)			
09:30 AM - 10:15 AM	<b>Inauguration</b> (Smt. Sharda Pai Auditorium, Academic Building 2AB)			
10:15 AM - 11:00 AM	<b>Keynote-1 : (Prof. Rajendra Kumar Pandey, Director General, National Power Training Institute)</b> <i>"Smart Energy Systems: An Evolving Intelligent Framework for Power Sector Reliability and Asset Management"</i>			
11:00 AM - 11:20 AM	<b>Tea Break</b>			
11: 20 AM - 12:05 PM	<b>Keynote-2: (Prof Saikat Chakrabarty, Professor, Department of Electrical Engineering, IIT Kanpur )</b> <i>"Advanced Monitoring of Modern Transmission and Distribution systems"</i>			
12:05 PM - 12:50 PM	<b>Keynote-3: (Mr. Sanjeev K Dhal, Country Head Sales &amp; Marketing, Secure Meters Ltd., India)</b>			
01:00 PM – 2:00 PM	<b>LUNCH</b>			
2:00 PM – 3:15 PM	<b>Session-1</b> <b>Power Engineering &amp; Smart Grid Technologies</b> Paper-ID: 4, 26, 53, 62, 79,101,161,172 (Room No. 020-Academic Block-2)	<b>Session-2</b> <b>Power Electronics &amp; Renewable Energy Systems</b> Paper-ID - 21,34,40,51,52,54,56,59 (Room No. 023-Academic Block-2)	<b>Session-3</b> <b>Electronics, Communication &amp; Wireless Technologies</b> Paper-ID - 14,16,31,37,47,71,176 (Room No. 025-Academic Block-2)	<b>Session-4</b> <b>Computing &amp; Information Systems</b> Paper-ID - 36,46,84,86,87, 100,129 (Room No. 028-Academic Block-2)
3:15 PM – 3:30 PM	<b>Tea Break</b>			
3:30 PM – 4: 45 PM	<b>Session-1 (Cont.)</b> <b>Power Engineering &amp; Smart Grid Technologies</b> Paper-ID - 88,91,93,131,134,143,146,156 (Room No. 020-Academic Block-2)	<b>Session-2 (Cont.)</b> <b>Power Electronics &amp; Renewable Energy Systems</b> Paper-ID - 50,72,73,77,94,122,153,159 (Room No. 023-Academic Block-2)	<b>Session-3 (Cont.)</b> <b>Electronics, Communication &amp; Wireless Technologies</b> Paper-ID – 106,111,117,119,140,157,180 (Room No.025-Academic Block-2)	<b>Session-4 (Cont.)</b> <b>Computing &amp; Information Systems</b> Paper-ID -23,75,76,116,136,150 (Room No. 028-Academic Block-2)

## December 23, 2018

Time	Activity			
9:15 AM - 09:45 AM	High Tea			
9:45 AM - 10:40 AM	Keynote-4 (Prof. Majid Jamil, Professor-Electrical Engineering, Jamia Millia Islamia, New Delhi, India)			
10:45 AM - 11:45 AM	<b>Session-1</b> <b>Power Engineering &amp; Smart Grid Technologies</b> Paper-ID -29,43,67,69,74,80,83 (Room No. 020-Academic Block-2)	<b>Session-2</b> <b>Power Electronics &amp; Renewable Energy Systems</b> Paper-ID - 1,8,19,39,44,68,95,124 (Room No. 023-Academic Block-2)	<b>Session-3</b> <b>Electronics, Communication &amp; Wireless Technologies</b> Paper-ID - 6,20,22,42,45,148,164 (Room No. 025-Academic Block-2)	<b>Session-4</b> <b>Power Engineering, Smart Grid Technologies &amp; Computing</b> Paper-ID - 163,169,170,174,175,177,178,179,181 (Room No. 028-Academic Block-2)
11:45 AM – 12:00 PM	Tea Break			
12:00 PM - 1:00 PM	<b>Session-1 (Cont.)</b> <b>Power Engineering &amp; Smart Grid Technologies</b> Paper-ID - 61,96,114,118,120,130,173 (Room No. 020-Academic Block-2)	<b>Session-2 (Cont.)</b> <b>Power Electronics &amp; Renewable Energy Systems</b> Paper-ID - 5,103,127,133,135,162,166 (Room No. 023-Academic Block-2)	<b>Session-3 (Cont.)</b> <b>Electronics, Communication &amp; Wireless Technologies</b> Paper-ID - 57,60,63,113,132,142 (Room No. 025-Academic Block-2)	<b>Session-4 (Cont.)</b> <b>Power Engineering, Smart Grid Technologies &amp; Computing</b> Paper-ID -183,184 (Room No. 028-Academic Block-2)
1:00 PM – 2:00 PM	LUNCH			

22/12/2018 (2:00 PM – 3:15 PM) - Room No. 020, Academic Block 2

**Session 1: Power Engineering & Smart Grid Technologies**

Paper ID	Author Name	Affiliation	Title
4	S.S. Dhillon	AKGEC, Ghaziabad, India	Automatic Generation Control of Interconnected Power Systems Using Elephant Herding Optimization
	Surabhi Agarwal	National Institute of Technology, KUK	
	Gai-Ge Wang	College of Information Science and Engineering, Ocean University of China, 266100 Qingdao, China	
	Jagdeep Singh Lather	National Institute of Technology, KUK	
26	Shalaka N. Chaphekar	College of Engineering, Pune	Optimal Location and Sizing of Microgrid for Radial Distribution Systems
	Anand Kumar Nale	College of Engineering, Pune	
	Anjali Dharme	College of Engineering, Pune	
53	Akhilesh K. Gupta	MNNIT Allahabad	Jaya Optimization based PID Controller for Z-source inverter using model reduction
	Paulson Samuel	MNNIT Allahabad	
	Deepak Kumar	MNNIT Allahabad	
62	Ruchita Nale	National Institute of Technology Raipur	A Directional Relaying Scheme for Microgrid Protection
	Ruchi Chandrakar	National Institute of Technology Raipur	
	Harishankar Verma	National Institute of Technology Raipur	
	Monalisa Biswal	National Institute of Technology Raipur	
79	M Santhosh	National Institute of Technology Warangal	A Hybrid Forecasting Model Based on Artificial Neural Network and Teaching Learning Based Optimization Algorithm for Day-ahead Wind Speed Prediction
	Chintham Venkaiah	National Institute of Technology Warangal	
	D. M. Vinod Kumar	National Institute of Technology Warangal	
101	E S N Raju	The University of Manchester	Real-time Transient Events' Measurements Data Based Validation of a SynchroHub Platform for Estimation of Dynamic Load Model Parameters
	Vladimir Terzija	The University of Manchester	
161	Vishal Kumar	Lovely Professional University, Jalandhar	Smart Operations of Smart Grids Integrated With Distributed Generation:A Review
	Hassan Adamu Dya	Lovely Professional University, Jalandhar	
	Mehruj Ud Din Wani	Lovely Professional University, Jalandhar	
	Prakash Kumar	Amity University, Patna	
	Sunil Kumar Goyal	Manipal University Jaipur	
172	Amit Agarwal	ABES Engineering College Ghaziabad	A 26watt Power Supply Based on Luo Converter with Improved Power Factor and Total harmonic Distortion
	Ashish Shrivastava	Manipal University Jaipur	
	Amit Rai	Indian Institute of Technology (ISM) Dhanbad	
	Kartick C. Jana	Indian Institute of Technology (ISM) Dhanbad	

**22/12/2018 (2:00 PM – 3:15 PM) - Room No. 023, Academic Block 2**

**Session 2: Power Electronics & Renewable Energy Systems**

<b>Paper ID</b>	<b>Author Name</b>	<b>Affiliation</b>	<b>Title</b>
21	Preeti Gupta	Maulana Azad National Institute of Technology, Bhopal	Intelligent Power sharing control for Hybrid system
	Pankaj Swarnkar	Maulana Azad National Institute of Technology, Bhopal	
34	Siddesh K B Konda	SJMIT, ECE Visvesvaraya Technological University, Belagavi ,Karnataka, India	A New Hyperbolic Reaching Law with Chattering Mitigation in Sliding Mode Controlled DC-DC Buck Converter
	Dr.Basavaraja Banakara	UBDTCE, EEE Visvesvaraya Technological University, Belagavi, Karnataka, India	
	R.Shivarudraswamy	Manipal University, Manipal, Karnataka, India	
40	Abhilash Kumar Gupta	Malaviya National Institute of Technology Jaipur	Real-time low frequency oscillations monitoring and coherency determination in a wind integrated power system
	Kusum Verma	Malaviya National Institute of Technology Jaipur	
	Khaleequr Rehman Niazi	Malaviya National Institute of Technology Jaipur	
51	Rahul Jaiswal	MNNIT ALLAHABAD	A Comprehensive Analysis of Delta and Adaptive Delta Modulated Modular Multilevel Converter
	Anshul Agarwal	NIT DELHI	
	Vineeta Agarwal	MNNIT ALLAHABAD	
52	Akhilesh K. Gupta	MNNIT Allahabad	Speed Control of PMSM Drive using Jaya Optimization based Model Reduction
	Paulson Samuel	MNNIT Allahabad	
	Deepak Kumar	MNNIT Allahabad	
54	Satendra Kr Singh Kushwaha	Motilal Nehru National Institute of Technology ALLAHABAD	Stability analysis of an offshore wind and marine current farm in grid connected mode using SMES
	S. R. Mohanty	Motilal Nehru National Institute of Technology ALLAHABAD	
	Paulson Samuel	Motilal Nehru National Institute of Technology ALLAHABAD	
56	Mallikarjuna Reddy Bandi	MNNIT Allahabad	Modeling and Simulation of Proton Exchange Membrane Fuel Cell Hybrid Electric Vehicle
	Paulson Samuel	MNNIT Allahabad	
59	Prasanth Ram J	KPR Institute of Engineering and Technology (KPRIEnT)	Flower pollination based solar PV parameter extraction for double diode model
	Dhanup.S Pillai	Vellore Institute of Technology-Vellore	
	Rajasekar N	Vellore Institute of Technology-Vellore	
	Kumar Chinnaiyan V	KPR Institute of Engineering and Technology (KPRIEnT)	

22/12/2018 (2:15 PM – 3:15 PM) - Room No. 025, Academic Block 2

**Session 3 : Electronics, Communication & Wireless Technologies**

Paper ID	Author Name	Affiliation	Title
14	Aishwarya Varma	MANIT Bhopal	Comparative analysis of Conventional and Meta-Heuristic Algorithm Based Control Schemes for Single Link Robotic Manipulator
	Shailu Sachan	MANIT Bhopal	
	Pankaj Swarnkar	MANIT Bhopal	
	Savita Nema	MANIT Bhopal	
16	Perna Saxena	Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram	Synthesis of Antenna Array Pattern using Ant Lion Optimization Algorithm for Wide Null Placement and Low Dynamic Range Ratio
	Ashwin Kothari	Visvesvaraya National Institute of Technology Nagpur	
	Saurabh Saxena	Indian Institute of Technology Madras	
31	Vijayalaxmi Harish	M.I.T Manipal, MAHE	TITRATION MACHINE: A NEW APPROACH USING ARDUINO
	Ashwin S H	M.I.T Manipal, MAHE	
	Harish S V	M.I.T Manipal,MAHE	
37	Syed Mahmood Ali Mahboob	Muffakham Jah College of Engineering and Technology	A New Radio Frequency Harvesting System
	Shaik Qadeer	Muffakham Jah College of Engineering and Technology	
	Ajaz Fatima	Muffakham Jah College of Engineering and Technology	
47	Pradeep Kumar	University of KwaZulu-Natal	A Dual Band Microstrip Patch Antenna for Wireless Applications
71	Bijoy Kumar Mandal	Indian Institute of Engineering Science and Technology, Shibpur	Channel Estimation in Massive MIMO with Spatial Channel Correlation Matrix
	Ankita Pramanik	Indian Institute of Engineering Science and Technology, Shibpur	
176	Jay Praful Cheeda	Manipal University Jaipur	Control and Remote sensing Of An Irrigation system using ZigBee wireless network
	Vikash Kumar Boradak	Manipal University Jaipur	

22/12/2018 (2:00 PM – 3:15 PM) - Room No. 028, Academic Block 2

**Session 4 : Computing & Information Systems**

Paper ID	Author Name	Affiliation	Title
36	Chetna Dabas	Jaypee Institute of Information Technology	Hybrid Method for Cluster Analysis of Big Data
	Gaurav Nigam	Jaypee Institute of Information Technology	
46	Yogesh Gupta	Manipal University Jaipur	Semantic Similarity computation among Hindi Words using Hindi Lexical Ontology
	Amit Saraswat	Manipal University Jaipur	
84	Prateek Jain	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur,	Opposition theory enabled Intelligent Whale Optimization Algorithm
	Pooja Jain	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur,	
	Akash Saxena	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur,	
86	Shailja Sharma	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur	Adaptive Inertia Weighted Firefly Algorithm
	Pooja Jain	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur	
	Ankush Tandon	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur	
	Aakash Sexena	Swami Keshvanand Institute of Technology M&G, Jagatpura, Jaipur	
87	Gurpinder Singh	Malaviya National Institute of Technology, Jaipur	A Review of Scheduling Techniques and Communication Protocols for Smart Homes Capable of Implementing Demand Response
	Anil Swarnkar	Malaviya National Institute of Technology, Jaipur	
	Nikhil Gupta	Malaviya National Institute of Technology, Jaipur	
	Khaleequr Rehman Niazi	Malaviya National Institute of Technology, Jaipur	
100	Himanshu Tyagi	Institute of Technology, Nirma University, Ahmedabad	High Speed Real Time Novel Data Acquisition system based on ZYNQ based SOC architecture
	Nagendra Gajjar	Institute of Technology, Nirma University, Ahmedabad	
129	Anil Kumar	National Institute of Technology, Karnataka	UPM-NoC: Learning Based Framework to Predict Performance Parameters of Mesh Architecture of On-Chip Networks
	Basavaraj Talawar	National Institute of Technology, Karnataka	

22/12/2018 (3:30 PM – 4:45 PM) - Room No. 020, Academic Block 2

**Session 1 (Cont.) : Power Engineering & Smart Grid Technologies**

Paper ID	Author Name	Affiliation	Title
88	Anant Kumar Verma	National Institute of Technology Hamirpur	A Robust Open-Loop Frequency Estimation Method for Single-Phase Systems
	R. K. Jarial	National Institute of Technology Hamirpur	
	C. Subramanian	National Institute of Technology Hamirpur	
91	Shailendra Baraniya	SVKM's NMIMS, Mumbai	Demand Side Load Management for peak shaving
	Manoj Sankhe	SVKM's NMIMS, Mumbai	
93	Trinadha Burle	AU College of Engineering(A) Andhra University	A New Line Voltage Stability Index (NLVSI) For Voltage Stability Assessment
	Bhaskara Reddy Ch V V S	AU College of Engineering(A) Andhra University	
	Phanindra Thota	AU College of Engineering(A) Andhra University	
131	Ankit Uniyal	National Institute of Technology Uttarakhand	Optimal DG allocation in a microgrid using droop controlled load flow
	Saumendra Sarangi	National Institute of Technology Uttarakhand	
134	Rahul Kumar	NIT Jamshedpur	Determination of stability regions of fractional PI controller for LFC of two area power system
	Idamakanti Kasireddy	AITAM Tekkali	
	Abhishek Kumar	NUS Singapore	
	A K Singh	NIT Jamshedpur	
143	Manoj Kumawat	MCE Motihari	Jaya Algorithm based Optimal Allocation of Distributed Energy Resources
	Nitin Gupta	MNIT Jaipur	
	Naveen Jain	CTAE Udaipur	
	Ramesh C Bansal	University of Pretoria, South Africa	
146	Vivek Patel	mnnit allahabad	Classification of Power System Disturbance Using Support Vector Machine in FPGA
	S. R. Mohanty		
156	Akhilesh Panwar	Institute of Technology, Nirma University, Ahmedabad	Jaya Evaluated Frequency Control Design for Hydro Electric Power System using RFB and UPFC
	Gulshan Sharma	Durban University of Technology, Durban	
	Ibraheem Nasiruddin	Jamia Millia Islamia University, New Delhi	
	R. C. Bansal	University of Pretoria, Pretoria	

**22/12/2018 (3:30 PM – 4:45 PM) - Room No. 023, Academic Block 2**
**Session 2 (Cont.) : Power Electronics & Renewable Energy Systems**

Paper ID	Author Name	Affiliation	Title
50	S. K. Singh	Indian Institute of Technology Kanpur	Analysis of energy consumption and implementation of R-statistical programming for load forecasting in presence of solar generation
	Harsh Vikram Singh	Kamla Nehru Institute of Technology Sultanpur	
	S. Chakrabarti	Indian Institute of Technology Kanpur	
	S. N. Singh	Indian Institute of Technology Kanpur	
72	Siva Sai Nihanth Malisetty	Vellore Institute of Technology	A New Array Reconfiguration Scheme for Solar PV Systems under Partial Shading Conditions
	N Rajasekar	Vellore Institute of Technology	
	Dhanup S Pillai	Vellore Institute of Technology	
	Prasanth Ram J	K P R Institute of Engineering and Technology	
73	Dharshan B G	Vellore Institute of Technology	Adaptability Analysis of Particle Swarm Optimization Variants in Maximum Power Tracking For Solar PV Systems
	N Rajasekar	Vellore Institute of Technology	
	R Srinivasa Sankarkumar	Vellore Institute of Technology	
77	Rudra Santhosh Kumar Athikamsetti	Gayatri Vidya Parishad College of Engineering (Autonomous)	High Power Density Parallel LC- Link PV Inverter for Standalone and Grid Mode Of Operation
	Satish Kumar Gudey	Gayatri Vidya Parishad College of Engineering (Autonomous)	
94	Sri Lakshmi E	IIT(BHU) Varanasi	A Comprehensive Comparative Economic Analysis of ACO and CS Technique for Optimal Operation of Standalone HES
	S.P. Singh	IIT(BHU) Varanasi	
122	Priya Singh Bhakar	Indian Institute of Technology, Ropar	A Review on Voltage and Frequency Control of Micro Hydro System
	Saumendra Sarangi	National Institute of Technology, Uttarakhand	
	Kirti Gupta	National Institute of Technology, Uttarakhand	
153	Sandeep Bhongade	SGSITS Indore	Grey Wolf Optimized PI controller for Hybrid Power System using SMES
	Ritu Verma	SGSITS Indore	
159	Bal Krishna	Swami Keshvanand Institute of Technology Jaipur	Scheduling Energy Storage to Provide Balancing during Line Contingency at High Wind Penetration
	Anjali Jain	Malaviya National Institute of Technology Jaipur	
	Ajay Bharadwaj	Swami Keshvanand Institute of Technology Jaipur	



**22/12/2018 (3:30 PM – 4:45 PM) - Room No. 025, Academic Block 2  
Session 3 (Cont.) : Electronics, Communication & Wireless Technologies**

<b>Paper ID</b>	<b>Author Name</b>	<b>Affiliation</b>	<b>Title</b>
106	Yahana Mohammed Ali Al-Naamani	Mewar University Gangarar	A 8-bit Charge Redistribution SAR ADC
	K. Lokesh Krishna	S V College of Engineering Tirupati	
	A.M. Guna Sekhar	Sree Ram Engineering College Tirupati	
111	Sudarshan Kumar	The North Cap University, Gurgaon	Analysis of Triple-Threshold Technique for Power Optimization in SRAM Bit-Cell for Low-Power Applications at 45nm CMOS Technology
	Shaifali Ruhil	The North Cap University, Gurgaon	
	Neeraj Kr. Shukla	The North Cap University, Gurgaon	
	Shilpi Birla	Manipal University Jaipur	
117	Ribhu Abhusan Panda	V.S.S. University of Technology Odisha Burla	Mutual Coupling Reduction of Biconvex lens shaped Patch Antenna for 5G application
	Uditnarayan Mohapatra	GIET, Gunupur	
	Debasis Mishra	V.S.S. University of Technology Odisha Burla	
119	Neha Singh	Manipal University Jaipur	Color Image Watermarking with Watermark Hashing
	Sandeep Joshi	Manipal University Jaipur	
	Shilpi Birla	Manipal University Jaipur	
140	DeepRaj Bedi	Manipal University Jaipur	Non-intrusive load monitoring: Making smart meters smarter
	Vineet Sharma	Manipal University Jaipur	
157	Anandhi Dharmarjan	University of KwaZulu-Natal	A Human Face Shaped Microstrip Patch Antenna for Ultra-Wide Band Applications
	Pradeep Kumar	University of KwaZulu-Natal	
	Thomas JO Afullo	University of KwaZulu-Natal	
180	Chirag Agarwal	Manipal University Jaipur	IOT BASED SMART WRITER
	Bhawna Singh	Manipal University Jaipur	

**22/12/2018 (3:30 PM – 4:45 PM) - Room No. 028, Academic Block 2**

**Session 4 (Cont.) : Computing & Information Systems**

<b>Paper ID</b>	<b>Author Name</b>	<b>Affiliation</b>	<b>Title</b>
23	Agrani Swarnkar	Manipal University Jaipur	Artificial Intelligence based Optimization Techniques: A Review
	Anil Swarnkar	Malviya National Institute of Technology Jaipur	
75	Ravi Ucheniya	Manipal University Jaipur	Optimal Reactive Power Dispatch through Real Power Loss and Voltage deviation Minimization
	Amit Saraswat	Manipal University Jaipur	
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
76	Vidyadhar Aski	Manipal University Jaipur	IoT Enabled Intelligent Energy Management and Optimization Scheme with Controlling and Monitoring Approach in Modern Classroom Applications
	Rajveer Singh Shekhawat	Manipal University Jaipur	
	Sushant Mehta	Manipal University Jaipur	
	Pratik Kr. Jain	Manipal University Jaipur	
	Prachal Goyal	Manipal University Jaipur	
116	Ram Saraswat	Manipal University Jaipur	NEW FUZZY DIVERGENCE MEASURES, SERIES, ITS BOUNDS AND APPLICATIONS IN STRATEGIC DECISION MAKING
	Neha Khatod	Manipal University Jaipur	
136	Arun Gautam	Manipal University Jaipur	IMPACT OF GST ON IT SECTOR
	Anirudh Sharma	Extramarks Education India private limited	
150	Cheruku Sandesh Kumar	ASET, Amity University	ACTIVATION MAP NETWORKS WITH DEEP GRAPHICAL MODEL FOR SEMANTIC SEGMENTATION
	Ratnadeep Roy	ASET, Amity University	
	Sanyog Rawat	Manipal University	

23/12/2018 (10:45 AM – 11:45 AM) - Room No. 020, Academic Block 2

**Session 1 : Power Engineering & Smart Grid Technologies**

Paper ID	Author Name	Affiliation	Title
29	Varada Tambe	The Maharaja Sayajirao university of Baroda	Constraint Tariff model to reduce the amount of Cross Subsidy incorporated in Electricity Tariff using iterative optimization technique
	S. K. Joshi	The Maharaja Sayajirao university of Baroda	
43	Sangeeta Kamboj	T. I. E. T. Patiala	DESIGNING AND IMPLEMENTATION OF OVERHEAD CONDUCTOR SAG MONITORING SYSTEM USING GPS
	Ratna Dahiya	National Institute of Technology Kurukshetra	
67	Sarfaraz Nawaz	SKIT M & G Jaipur	Cost Benefit Analysis in Distribution System of Jaipur City after DG and Capacitor Allocation
	Ankush Tandon	SKIT M & G Jaipur	
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
69	Pradeep Singh	Malaviya National Institute of Technology, Jaipur	Performance Evaluation and Quality Analysis of Line and Node based Voltage Stability Indices for the Determination of the Voltage Instability Point
	Jyotsna Singh	Malaviya National Institute of Technology, Jaipur	
	Rajive Tiwari	Malaviya National Institute of Technology, Jaipur	
74	Jay Prakash Keshri	Malaviya National Institute of Technology, Jaipur	Fault Location Methods in HVDC Transmission System-A Review
	Harpal Tiwari	Malaviya National Institute of Technology, Jaipur	
80	Tanuj Rawat	Malaviya National Institute of Technology, Jaipur	Risk Averse Energy Management for Grid Connected Microgrid Using Information Gap Decision Theory
	K. R. Niazi	Malaviya National Institute of Technology, Jaipur	
83	Neeraj Kanwar	Manipal University, Jaipur	A comparative analysis of meta-heuristic techniques for distributed resources allocation
	Nikhil Gupta	Malaviya National Institute of Technology, Jaipur	
	K. R. Niazi	Malaviya National Institute of Technology, Jaipur	
	Anil Swarnkar	Malaviya National Institute of Technology, Jaipur	

**23/12/2018 (10:45 AM – 11:45 AM) - Room No. 023, Academic Block 2**
**Session 2 : Power Electronics & Renewable Energy Systems**

Paper ID	Author Name	Affiliation	Title
1	Aniruddha Mukherjee	Suresh Gyan Vihar University, Jaipur	LED driver design and thermal management
	Amit Soni	Manipal University, Jaipur	
	M K Gupta	Suresh Gyan Vihar University, Jaipur	
8	Seema Kumari Meena	University College of Science, Mohanlal Sukhadia University, Udaipur-313001, Rajasthan (India)	Investigation of optical response of silver molybdate for photovoltaics
	B.L. Ahuja	University College of Science, Mohanlal Sukhadia University, Udaipur-313001, Rajasthan (India)	
19	Kanika Monga	Birla Institute of Technology and Science Pilani, India	Design and Analysis of a Hybrid Non-Volatile SRAM Cell for Energy Autonomous IoT
	Nitin Chaturvedi	Birla Institute of Technology and Science Pilani, India	
	S Gurunarayanan	Birla Institute of Technology and Science Pilani, India	
39	Sujit Kumar	College of Technology and Engineering, Udaipur	Back Propagation Algorithm Based Approach to Mitigate Soiling from PV Module
	Vikramaditya Dave	College of Technology and Engineering, Udaipur	
44	S. Sharma	Malaviya National Institute of Technology Jaipur	Risk-Averse G2V Scheduling of Electric Vehicle Aggregator for Improved Market Operations
	P. Jain	Malaviya National Institute of Technology Jaipur	
	R. Bhakar	Malaviya National Institute of Technology Jaipur	
	P. P. Gupta	Malaviya National Institute of Technology Jaipur	
68	Neeraj Tiwari	Poornima University Jaipur	Comparative Simulation study of Dual axis solar tracking system; Implemented on Simulink platform
	Ravi Soni	Poornima University Jaipur	
	Brijesh Kumar	FET, Agra College, Agra	
95	Bhuvan Sharma	Malaviya National Institute of Technology Jaipur	DEMAND RESPONSE IN DISTRIBUTION SYSTEM:A COMPREHENSIVE REVIEW
	Nikhil Gupta	Malaviya National Institute of Technology Jaipur	
	Khaleequr Rehman Niazi	Malaviya National Institute of Technology Jaipur	
	Anil Swarnkar	Malaviya National Institute of Technology Jaipur	
124	Subhranshu Sekhar Pati		Performance analysis of Solar and Plug-in Electric Vehicle's integration to the power system with Automatic Generation Control
	Tapas Kumar Panigrahi	Parala Maharaja Engineering College, Berhampur	
	Aurobindo Behera	International Institute of Information Technology, Bhubaneswar,	

**23/12/2018 (10:45 AM – 11:45 AM) - Room No. 025, Academic Block 2**
**Session 3 : Electronics, Communication & Wireless Technologies**

Paper ID	Author Name	Affiliation	Title
6	Deepika Mali	University College of Science, M.L. Sukhdia University, Udaipur, 313001 Rajasthan, India	Electronic and optical response of photovoltaic semiconductor ZrS <sub>x</sub> Te <sub>2-x</sub>
	Kishor Kumar	University College of Science, M.L. Sukhdia University, Udaipur, 313001 Rajasthan, India	
	Bl Ahuja	University College of Science, M.L. Sukhdia University, Udaipur, 313001 Rajasthan, India	
20	Maneesha Purohit	M.L. Sukhadia University, Udaipur 313001, India	Band gap engineering of AgGaS <sub>2</sub> for optoelectronic devices: First-principles computational technique
	Seema Kumari Meena	University College of Science, M.L. Sukhadia University, Udaipur 313001, India	
	Alpa Dashora	The Maharaja Sayajirao University of Baroda, Vadodara 390002, India	
	B.L. Ahuja	University College of Science, M.L. Sukhadia University, Udaipur 313001, India	
22	Rahul Gupta	Jaypee Institute of Information Technology	Comparative Analysis of Various Classifiers for Gesture Recognition
	Sarthak Rana	Jaypee Institute of Information Technology	
	Swapnil Gupta	Jaypee Institute of Information Technology	
	Kavita Pandey	Jaypee Institute of Information Technology	
	Chetna Dabas	Jaypee Institute of Information Technology	
42	Namrata Saxena	MNIT Jaipur	Design and Performance Analysis of different structures of MEMS PVDF-Based Low-Frequency Piezoelectric Energy Harvester
	Varshali Sharma	Manipal University, Jaipur	
	Ritu Sharma	MNIT Jaipur	
	Kamlesh Kumar Sharma	MNIT Jaipur	
	Santosh Chaudhary	MNIT Jaipur	
45	Md Riyaj	Manipal University Jaipur	Optical Gain Tuning in Type-I Al <sub>0.45</sub> Ga <sub>0.55</sub> As/GaAs <sub>0.84</sub> P <sub>0.16</sub> /Al <sub>0.45</sub> Ga <sub>0.55</sub> As nano-heterostructure
	Sushil Kumar	School of Engineering & Technology, Noida International University, Greater Noida, UP-203201, India	
	P. A. Alvi	Department of Physics, Banasthali University, Banasthali-304022, Rajasthan, India	
	Amit Rathi	Manipal university jaipur	
148	Ashwani Kumar Yadav	Amity School of Engineering & Technology, Amity University Rajasthan	Designing a Smart System for Air Quality Monitoring and Air Purification
	Palak Gandhi	Amity School of Engineering & Technology, Amity University Rajasthan	
	Kartik Upadhyay	Amity School of Engineering & Technology, Amity University Rajasthan	
	Vaishali	Amity School of Engineering & Technology, Amity University Rajasthan	
164	Anjali Saini	MNIT Jaipur	Detection Of Suspicious Activity In ATM Booth
	Mushtaq Ahmed	MNIT Jaipur	
	Kartikey Sharma	Centre for Converging Technologies U.O.R Jaipur	

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**Session 4 : Power Engineering, Smart Grid Technologies & Computing**

Paper ID	Author Name	Affiliation	Title
163	Sweta Singh	VIT Jaipur, Jaipur	A Review on Demand Side Management Forecasting Models for Smart Grid
	Neeraj Kanwar	Manipal University Jaipur	
169	Amit Rai	Indian Institute of Technology (ISM) Dhanbad	Performance Evaluation of a Solar Power Plant
	Ashish Shrivastava	Manipal University Jaipur	
	Kartick C. Jana	Indian Institute of Technology (ISM) Dhanbad	
170	Sabdeep Tripathi	Indian Institute of Technology (ISM), Dhanbad	GWO Based PID Controller Optimization for Robotic Manipulator
	Ashish Srivastava	Manipal University Jaipur	
	K. C. Jana	Indian Institute of Technology(ISM), Dhanbad	
174	Divya Rishi Shrivastava	Manipal University Jaipur	Synchrophasor Measurements assisted Naïve Bayes Classification based Real – Time Transient Stability Prediction of Power System
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
	Kusum Verma	Malaviya National Institute of Technology, Jaipur	
175	Anupam Agarwal	Manipal University Jaipur	Device modelling and characteristics of solution processed perovskite solar cell at ambient conditions
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
	Amit Soni	Manipal University Jaipur	
	Ganesh Datt Sharma	The LNMIIT (Deemed University), JAIPUR	
177	Bhuwan Pratap Singh	Manipal University Jaipur	Analysis and classification of maximum power point tracking (MPPT) techniques: A review
	Sunil Kumar Goyal	Manipal University Jaipur	
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
178	Jay Praful Cheeda	Manipal University Jaipur	Design and Development of Three-way Solar Tracking System
	Saloni Jain	Manipal University Jaipur	
	Vinay Gupta	Manipal University Jaipur	
179	Bhuwan Pratap Singh	Manipal University Jaipur	A study and comprehensive overview of inverter topologies for grid-connected photovoltaic systems (PVS)
	Sunil Kumar Goyal	Manipal University Jaipur	
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
	Prakash Kumar	Amity University Patna	
181	Aayush Bajaj	Manipal University Jaipur	Design and Implementation of Arduino based control system for Power Management of House-hold Utilities
	Mahipal Bukya	Manipal University Jaipur	
	Peeyush Garg	Manipal University Jaipur	
	Amit Saraswat	Manipal University Jaipur	

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**Session 1 (Cont.) : Power Engineering & Smart Grid Technologies**

Paper ID	Author Name	Affiliation	Title
61	Sheesh Ram Ola	Manipal University Jaipur	Detection and Analysis of Power System Faults in the Presence of Wind Power Generation Using Stockwell Transform Based Median
	Amit Saraswat	Manipal University Jaipur	
	Sunil Kumar Goyal	Manipal University Jaipur	
	S. K. Jhajharia	Bhartiya Skill Development University	
	Ohm Prakash Mahela	Indian Institute of Technology Jodhpur	
96	Sonam Parashar	Malaviya National Institute of Technology Jaipur	Stochastic Operational Management of Grid Connected Microgrid under Uncertainty of Renewable Resources and Load Demand
	Anil Swarnkar	Malaviya National Institute of Technology Jaipur	
	K.R. Niazi	Malaviya National Institute of Technology Jaipur	
	Nikhil Gupta	Malaviya National Institute of Technology Jaipur	
114	Rajeev Kumar	Jamia Millia Islamia, New Delhi	A Nature inspired meta-heuristic swarm based optimization technique BFOA based optimal controller for Damping of SSR
	Rajveer Singh	Jamia Millia Islamia, New Delhi	
	Haroon Ashfaq	Jamia Millia Islamia, New Delhi	
118	Vikram Singh	Swami Keshvanand Institute of Technology, Jaipur	Analysis of Anti-Islanding Protection Methods Integrated in Distributed Generation
	Ajeet Kumar Singh	KIET Group of Institutions, Ghaziabad,U.P.	
	Satyendra Singh	Malaviya National Institute of Technology, Jaipur	
120	Pankaj Dahiya	National Institute of Technology Delhi	Global Neighbourhood Algorithm Based Event-Triggered Automatic Generation Control
	Pankaj Mukhija	National Institute of Technology Delhi	
	Anmol Ratna Saxena	National Institute of Technology Delhi	
130	Dr. Preeti Dahiya	National Institute of Technology, Delhi	Comparison of performance analysis of optimal controllers for frequency regulation of three-area power system
	Dr. Vivek Shrivastava	National Institute of Technology Delhi	
	Dr. Vikas Singh Bhadoria	ABES Engineering College, Ghaziabad	
	Dr. Harish Pulluri	Geethanjali College of Engineering Technology, Hyderabad	
173	Satyendra Singh	Malaviya National Institute of Technology, Jaipur	Optimal strategic bidding using Intelligent Gravitational Search Algorithm for profit maximization of power suppliers in an emerging power market
	Manoj Fozdar	Malaviya National Institute of Technology, Jaipur	
	Ajeet Kumar Singh	KIET Group of Institutions, Ghaziabad,U.P.	

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**Session 2 (Cont.) : Power Electronics & Renewable Energy Systems**

Paper ID	Author Name	Affiliation	Title
5	Ushma Ahuja	NMIMS, Mukesh Patel School of Technology Management of Engineering, Mumbai	Use of Ti doped hafnia in photovoltaic devices: Ab-initio calculations
	Deepika Mali	University College of Science, ML Sukhadia University, Udaipur	
	Kishor Kumar	University College of Science, ML Sukhadia University, Udaipur	
	Amit Soni	Manipal University Jaipur	
103	Sourav Diwania	JAMIA MILLIA ISLAMIA, NEW DELHI	Exergetic analysis of glazed photovoltaic thermal (single-channel) module using Whale Optimization Algorithm and Genetic Algorithm
	Anmol Gupta	KIET GROUP OF INSTITUTIONS, GHAZIABAD	
	Anwar S Siddiqui	JAMIA MILLIA ISLAMIA, NEW DELHI	
	Sanjay Agrawal	SOET, IGNOU, NEW DELHI	
127	Anmol Gupta	KIET Group of Institutions, Ghazibad	A bibliographical view on research and developments of photovoltaic and thermal technologies as a combined system: PV/T system
	Sourav Diwani	Jamia Millia Islamia, New Delhi	
	Sanjay Agarwal	SOET, IGNOU, New Delhi	
	Anwar S. Siddiqui	Jamia Millia Islamia, New Delhi	
	Yash Pal	National Institute of Technology, Kurukshetra,	
133	Neeraj Tiwari	Poornima University Jaipur	Performance Analysis of Fabricated Buck-Boost MPPT Charge Controller
	Amit Saraswat	Manipal University Jaipur	
	Ravi Soni	Poornima University Jaipur	
135	Vishnu Goyal	Manipal University Jaipur	Performance Improvement of Cycloconverter Fed Induction Machine using Shunt Active Power Filter
	Sulochana Wadhvani	MITS Gwaliorp	
145	Akash Talwariya	JK LakshmiPat University, Jaipur	Bayesian Game Model: Demand Side Management for Residential Consumers with Electric Vehicles
	Santosh Kumar Sharama	Rajasthan Technical University, Kota	
	Pushpendra Singh	JK LakshmiPat University, Jaipur	
	Mohan Kolhe	University of Agder, Norway	
162	Prakash Kumar	Amity University ptna	Multilevel Inverter Topologies in Renewable Energy Applications
	Maneet Kour	Government College of Engineering and Technology, Jammu	
	Sunil Kumar Goyal	Manipal University Jaipur	
166	Sourabh Jain	PAHER University	Mitigation of Power Quality for Wind Energy Using Transmission line based on D-STATCOM
	Amit Soni	Manipal University Jaipur	



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**Session 3 (Cont.) : Electronics, Communication & Wireless Technologies**

Paper ID	Author Name	Affiliation	Title
57	Komal Swami	Malaviya National Institute of Technology Jaipur	Optimum Performance of Carbon Nanotube Field Effect Transistor based Sense Amplifier D Flip Flop Circuits
	Ritu Sharma	Malaviya National Institute of Technology Jaipur	
60	Pancham Kumar	Bhartiya Skill Development University Jaipur	Cost Benefit Calculation using AB <sub>2</sub> X <sub>4</sub> (A= Zn, Cd; B= Ga; X= Te): A Promising Material for Solar Cells
	Amit Soni	Manipal University Jaipur	
	Jagrati Sahariya	National Institute of Technology Uttarakhand	
63	Md Riyaj	Manipal University Jaipur	Wavefunctions and Optical Gain in In <sub>0.24</sub> Ga <sub>0.76</sub> N/GaN Type-I Nano-heterostructure under External Uniaxial Strain
	Amit Kumar Singh	Manipal University Jaipur	
	Dr. P. A. Alvi	Banasthali University, Rajasthan	
	Dr. Amit Rathi	Manipal University Jaipur	
113	Shreya Upadhyay	Manipal University Jaipur	Low Power Adder Circuits using various leakage reduction techniques
	Sugandha Tiwari	Manipal University Jaipur	
	Shilpi Birla	Manipal University Jaipur	
	Neha Singh	Manipal University Jaipur	
132	Rashi Bhardwaj	Manipal University Jaipur	A Comparative Study of Classification Algorithms for Predicting Liver Disorders
	Rajat Mehta	Manipal University Jaipur	
	Prakash Ramani	Manipal University Jaipur	
142	Madhulika Das	National Institute of Technology Delhi	Stabilization of Chaotic Systems Using Robust Optimal Controller
	Vinay Kumar Jadoun	National Institute of Technology Delhi	

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Session 4 (Cont.): Power Engineering, Smart Grid Technologies & Computing**

<b>Paper ID</b>	<b>Author Name</b>	<b>Affiliation</b>	<b>Title</b>
<b>183</b>	Divya Rishi Shrivastava	Manipal University Jaipur	Interfacing Python with DIgSILENT Power Factory: Automation of Tasks
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
	Kusum Verma	Malaviya National Institute of Technology, Jaipur	
<b>184</b>	Anupam Agarwal	Manipal University Jaipur	Recent development in perovskite solar cell based on planar structures
	Shahbaz Ahmed Siddiqui	Manipal University Jaipur	
	Amit Soni	Manipal University Jaipur	
	Ganesh Datt Sharma	LNM Institute of Information Technology, JAIPUR	