



J. C. Bose University of Science & Technology, YMCA, Faridabad

(A Haryana State Government University)

(Established by Haryana State Legislative Act No. 21 of 2009 & Recognized by UGC Act 1956 u/s to confer Degree)

(Accredited 'A' Grade by NAAC)

International Conference on Advances in Sustainable Energy, Environment and Engineering (ICASEE-2021) 16-17 APRIL 2021

ONLINE CONFERENCE SCHEDULE

(Venue: Zoom meeting)

Day 1: Friday, 16 th April, 2021		
09:30 am to 10:30 am		Inaugural Session
10:30 am to 11:30 am		Key Note Lecture: Prof. N. P. Padhy, IIT Roorkee Chairperson: Prof. Poonam Singhal, JCBUST, Faridabad Coordinator: Ms. Rachna/ Ms. Bharti
11:30 am to 12:30 noon		Key Note Lecture: Prof. Sukumar Mishra, IIT Delhi Chairperson: Prof. Poonam Singhal, JCBUST, Faridabad Faculty Coordinator: Ms. Rachna/ Ms. Bharti Student Coordinator: Mr. Chirag Goyal
02:00 pm to 04:00 pm		Paper Presentations
SESSION-1 Paper ID's: PED-01 to PED-09		Faculty Coordinator: Mr. Satvinder Singh Student Coordinator: Mr. Jalaj Tayagi Session Chair: 1. Dr. K. S. Sandhu, NIT, Krukshetra 2. Dr. P. R. Sharma, JCBUST, YMCA
PED-01	Amit Sharma, Atma Ram, Nitin Goel	IRPT Based Control Technique for DSTATCOM For Power Quality Enhancement
PED-02	Vinod Kumar, Anu Vashishtha, Harshita, Krishna, Nauratan, Amit	A Review on Power Quality Improvement Using Unified Power Quality Conditioner
PED-03	Vinod Kumar Sharma, Amit Chaurasia	A Strategic Model for Pre Paid Electric Meter
PED-04	Bharti Thakur	Compensation of Voltage Sag and Swell Using DVR Based On Synchronous Reference Frame Theory
PED-06	Navdeep Singh, Kunal Vashisht, Shakuntla Boora, Leena G	Review of Different Methods of Speed Control of Brushless DC Motor
PED-07	Prabhat, Atma Ram, Rajesh Kr. Ahuja	4.5kw IGBT Based Natural Cooled Battery Charger With an Emergency Charging Unit
PED-08	Satvinder Singh, Krishan Kumar	Modeling and Simulation of A 9-Level Cascade H-Bridge Multilevel Inverter
PED-09	Maheshwari, Dr. P. R. Sharma	Performance and Operation of DVR (Dynamic Voltage Restorer) Under Fault Condition Using PI Controller

SESSION-2 Paper ID's: OT-101 to OT-109			Faculty Coordinator: Dr. Sakshi Kalra Student Coordinator: Mr. Gaurav Session Chair: 1. Dr. anjay Aggarwal, IGNOU, Delhi 2. Dr. Shailender, JCBUST, YMCA
OT- 101	G. Ramachandran	Agriculture Technology of Tomorrow Applications	
OT- 102	Sarita Bhan, Parul Chaudhary, Kishan Kumar, Pranay	Role of Electronic Devices in Agriculture	
OT- 103	Bhudev Singh , Sonia Bansal, Tushar, Aman	Sustainable Development: Role of Science & Technology- A Review	
OT- 104	Kauleshwar Pandey, Lini Mathew, Vinod Shrivastava	A Literature Review on Phasor Measurement Unit (PMU) Techniques Used in Power System	
OT- 105	Pankaj Sharma, J. K. Jain, Pawan Kalla	Analysis of Level of Service Factors for Jaipur Metro	
OT- 106	Ritika Thusoo, Sheilza Jain, Sakshi Bangia	Altitude Control of Quadrotor Using PID Control	
OT- 107	Neelam Rani, Manikant Yadav	A Study of Collisions of Heavy Ions in Quark Gluon Plasma	
OT- 108	Surender Saini	Simulation And Application Of Robotic Arm in Production Using Programmable Logic Controller	
OT- 109	Parveen Kumar, Ajay Kumar	Performance Investigation Of Next Generation-Passive Optical Network Employing Hybrid Wavelength Division Multiplexing-Optical Time Division Multiplexing	
SESSION-3 Paper ID's: PED-10 to PED-13 OT-110 to OT-113			Faculty Coordinator: Dr. Rashmi Aggarwal Student Coordinator: Mr. Hemant Session Chair: 1. Dr. Ratna Dhaiya, NIT,Kurukshetra 2. Dr. Anju Gupta, JCBUST, YMCA
PED-10	Sagar, Shakuntla Boora	SVPWM Technique Operated Matrix Converter for Speed control of Induction Machine	
PED-11	Ankit Shukla, Anubha Gautam, Shipra Jain	Grid Integration of Renewable Energy Sources	
PED-12	Priyanka Gaur, Sakshi Kalra, Rachna Dhir	Speed Control Of SRM Motor Using Fuzzy Logic Controller	
PED-13	Robin, Shakuntla Boora	SPWM Operated Inverter	
OT- 110	Sangeeta Dhall, Shailender Gupta	Comparative Analysis Of Data Compression Algorithms	
OT- 111	Parveen Kumar, Ajay Kumar	112 Gbit/S Next Generation-Passive Optical Network Transmission System Using Polarisation Multiplexed-Quadrature Phase-Shift Keyed Modulation With Coherent Detection	
OT- 112	Malvika Choudhary, Bharat Bhushan	A Survey of Image Encryption Schemes Based on Chaos Theory	
OT-113	Satvinder Singh	Various Converter Topologies for Switched Reluctance Motor and Their Comparison	

Day 2: Saturday, 17th April, 2021		
09:30 am to 10:30 am	Key Note Lecture: Dr. Akhter Kalam, Melbourne, Australia Chairperson: Prof. Poonam Singhal, JCBUST, Faridabad Coordinator: Ms. Rachna/ Ms. Bharti	
11:00 am to 01:00 pm	Paper Presentations	
SESSION-1 Paper ID's: REMG-01 to REMG-09		Faculty Coordinator: Mr. Atma Ram Student Coordinator: Mr. Anand Session Chair: 1. Dr. Narender Kumar, DTU, Delhi 2. Dr. Yogender Arya, JCBUST, YMCA
REMG-01	Uma Yadav, Rajesh Kr. Ahuja, Anju Gupta	Analysis on Grid Tied PV Power Generation Technology Using FREEDM
REMG-02	Neha Jadoun, Shakuntla Boora	A STATCOM Based Control Scheme for Grid Connected Wind Energy System for Power Quality Improvement
REMG-03	Nitin Goel, Atma Ram, Rajesh Saw	Performance Enhancement of MPPT Based Photovoltaic System Using Fuzzy Logic Controller
REMG-04	Prashant Kumar Srivastava	Hybrid PV Battery and Supercapacitor System Using Fuzzy Logic Controller
REMG-05	Dr. Priyanka	Development of Hybrid Energy System for Remote Area
REMG-06	Dr. Priyanka	Sizing of Renewable Energy Based Hybrid Energy System Using Optimization Approaches
REMG-07	Pragalbha Kant, Poonam Singhal	Recent Trends in Secondary Control for DC Microgrids
REMG-08	Nisha, Anju Gupta, Rachna Dhir	Study of Behavioral Aspects of A PV Cell
REMG-09	M V Siva Prasad Chowdary, Sriranga Suprabhath Koduru, Sreedhar Madichetty, Rakesh Batra	Solar Energy Forecasting Using Deep Learning Techniques
SESSION-2 Paper ID's: EST-01 to EST-03 EVC-01 to EVC-02 PGC-01 to PGC-03		Faculty Coordinator: Ms. Anubha Gautam Student Coordinator: Ms. Anjali Session Chair: 1. Dr. S. P. Singh, REC, AN (UP) 2. Dr. Renuka Gupta, JCBUST, YMCA
EST-01	Prachi Tripathi	Role of Sciences In Sustainable Development in This Pandemic Era-A Review On Innovations Which Helped In Pandemic/ Sustainable Development
EST-02	Bhuri Singh	Evaluation of Surface Water Quality for Yamuna River
EST-03	Prachi Tripathi	Challenges in Converting Our Building in to Smart Building-A Review
EVC-01	Vineeta Choudhary, Digamber, Suraj Kumar, Subhash	A Review on Benefits of Electric Vehicle

EVC-02	Jalaj Tyagi, Shakuntla Boora, Shipra Aggarwal	Review of Electric Motor Toward The Advancement in The Automobile Sector
EVC-03	Sagar, Poonam Singhal	Power Management of Charging Station for Electrical Vehicles at a Residential Green Building
PGC-01	Sandeep, Sheilza Jain	Design of Optimal Automatic Generation Control For Interconnected Deregulated Power System
PGC-02	Manish, Anju Gupta, Atma Ram, Nitin Goel	Simulation of A Three Phase Inverter Using Closed Loop Voltage Control
PGC-03	Satvinder Singh	Implementation of Shunt Active Filter For Harmonic Distortion
01:30 pm		Valedictory Session Coordinator: Ms. Rachna/ Ms. Bharti