

Second International Conference on Emerging Technologies and Applications in Electrical Engineering (ICETAEE2024)

Schedule for online/offline presentations

Day 1 (18-12-2024)		Day 2 (19-12-2024)	
10:00 AM-11:30 AM	Inaugural Ceremony	9.30 AM-10.00 AM	High Tea
11:30 AM-11:50AM	High Tea	10:00 AM-11.30 AM	Key note
11:50 AM-1.00 PM	Key note	11.30 AM-1.00 PM	Session-7
1.00 PM- 2.00 PM	Lunch		Session-8
2.00 PM to 3:30 PM	Session-1 (Off line)		Session-9
	Session-2	1.00 PM- 2.00 PM	Lunch
	Session-3	2.00 PM to 3:30 PM	Session-10
3:30 PM to 4:00 PM	Tea Break		Session-11
4:00 PM to 5:30PM	Session-4 (Off line)		Session-12
	Session-5	3.30 PM to 4.30 PM	Valedictory function
	Session-6	4.30 PM to 5:00 PM	Tea Break

S.No.	Track	Paper ID	Paper Title	Registered Author's Name	Registration Fee Category	Mode of presentation
Session-1						
1	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	66	Weekly Demand Load Forecasting using LSTM model for Chhattisgarh State	Ketan Mishra	Industry person	Offline
2	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	121	The Future of Automotive Industry: Electric Vehicles (EVs)	Dr. Vinay Kumar Singh	Full Time Ph.D Scholar/PG& UG Student	Offline
3	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	127	Predictive Neural Network Approach for Detecting Faults and its location in Medium Voltage Distribution Network	DEWASHRI PANSARI	Academician	Offline

4	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	129	Single-Phase Multilevel Inverter with Switched Capacitor Topology for Leakage Current and Common Mode Voltage Reduction	Banovat Shanthi	Full Time Ph.D Scholar/PG& UG Student	Offline
5	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	86	Enhancing Hybrid Micro-Grid Design through Sensitivity Analysis of Renewable Resources.	Abhishek Rajput	Full Time Ph.D Scholar/PG& UG Student	Offline
6	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	6	Multi Attributes Based Health Assessment of Power Transformer Using MLR	MULPURU GOPI	Full Time Ph.D Scholar/PG& UG Student	Offline
7	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	42	Advances in Insulator Fault Detection Using Deep Learning and Convolutional Neural Networks	Dr. ANAMIKA YADAV	Academician	Offline

Session-2

8	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	48	Integrated Simulation of Solar PV and Wind Turbine Hybrid Systems Using MATLAB/Simulink	SAKET BIHARI	Full Time Ph.D Scholar/PG& UG Student	Online
9	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	53	Performance Analysis of Single Phase and Three Phase Cascaded H Bridge Multilevel Inverter	B.Sathyavani	Full Time Ph.D Scholar/PG& UG Student	Online
10	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	60	Evaluation of Isolated Operation of a Wind Energy System Connected to Unbalanced Non-linear Loads	Sreedevi Kunumalla	Full Time Ph.D Scholar/PG& UG Student	Online
11	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	68	Voltage Gain Optimization Techniques in Bidirectional DC-DC Converters for Electric Vehicle Charging: A Review	Yashika Singh	Full Time Ph.D Scholar/PG& UG Student	Online
12	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	69	A Critical Review on Optimization of Fuzzy Logic-Based MPPT Techniques for PV Systems with various Controlled Charging	Komal Dixit	Full Time Ph.D Scholar/PG& UG Student	Online

13	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	76	Battery Fed Dual Active Bridge Based Multilevel Statcom for Renewable Power Grids	Vasantha Gowri	Academician	Online
14	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	81	DIRECT TORQUE CONTROL OF 3- Φ INDUCTION MOTOR FED FROM A 5 LEVEL MMC WITH PI AND FLC USING CARRIER BASED -APOD PWM	Sriramulu Naik Mudhavath	Academician	Online
Session-3						
15	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	12	Quasi Z Source Multilevel Inverter for Standalone Photovoltaic System	A. JAYASURYAVEL	Full Time Ph.D Scholar/PG& UG Student	Online
16	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	24	Bridgeless boost PFC Converter based charging system for electric vehicles	Bhaskar Chandanala	Academician	Online
17	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	30	A Study on Convolutional Neural Networks Considering the Recent Advancements	Aleena Swetapadma	Full Time Ph.D Scholar/PG& UG Student	Online
18	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	31	A Comprehensive Survey of Recurrent Neural Networks: Architectures, Applications, and Advancements	Harsh Saran	Full Time Ph.D Scholar/PG& UG Student	Online
19	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	32	Static Synchronous Compensator Performance with Fuzzy-PI Based Control	INDRAJEET KUMAR	Full Time Ph.D Scholar/PG& UG Student	Online
20	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	44	Dynamic Control and Stability Analysis of Bidirectional DC-DC Converter	M PAVAN KUMAR	Full Time Ph.D Scholar/PG& UG Student	Online
Session-4						
21	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	17	Closed loop Solution for Inverse Kinematics Using Homogenous Successive Transformation.	Sunil Sahare	Full Time Ph.D Scholar/PG& UG Student	Offline

22	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	22	Load Forecasting for Chhattisgarh State using a Hybrid CNN-LSTM Model	Dr. Anamika Yadav	Academician	Offline
23	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	37	Role of Artificial Neural Network in the Health Assessment of Power Transformers	MULPURU GOPI	Full Time Ph.D Scholar/PG& UG Student	Offline
24	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	59	Optimizing Solar Battery Charging Through MPPT-Based Control Systems	Maitree Vaishnav	Full Time Ph.D Scholar/PG& UG Student	Offline
25	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	118	Performance Comparison of Transformers with Conventional Mineral Oil and Eco-friendly Blended Oil Insulation	Varsha Thakur	Full Time Ph.D Scholar/PG& UG Student	Offline
26	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	246	Real-Time Validation of Multilevel DC-link Active Rectifier for Multiple Open-Circuit Switch Faults	Dr. Hari Vemuganti	Full Time Ph.D Scholar/PG& UG Student	Offline
Session-5						
27	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	82	Review of Modelling and Control Strategies for Piezoelectric Actuators for High Electric Field Application	Akhilesh Kumar Mishra	Academician	Online
28	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	100	Optimizing Power Output in Stand-Alone PV Systems with a Fractional Order PID-Based MPPT Controller	Chava Sunil Kumar	Full Time Ph.D Scholar/PG& UG Student	Online
29	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	110	Transformative Developments in Wind Turbine Technology: Environmental Adaptability and Future Energy Solutions	VAIBHAV JAISWAL	Full Time Ph.D Scholar/PG& UG Student	Online
30	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	113	Power controlling of a grid tied micro grid by STATCOM	Nibedita Ghosh	Full Time Ph.D Scholar/PG& UG Student	Online

31	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	116	Voltage sag mitigation in a utility grid tied SPV wind hybrid micro grid by STATCOM	Nibedita Ghosh	Full Time Ph.D Scholar/PG& UG Student	Online
Session-6						
32	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	124	Intelligent Current Theft Detection System for Smart Power Grids	Subasri M	Full Time Ph.D Scholar/PG& UG Student	Online
33	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	149	A High-gain Non-isolated DC-DC Converter for Electric Vehicle Battery Charger	Dr. Sukanta Halder	Academician	Online
34	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	204	Energy Conservation Construction Method Based on Improved Variable Loss	Qingqing Fu	Full Time Ph.D Scholar/PG& UG Student	Online
35	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	212	Research Based on Soc Algorithm of Lithium-Ion Battery for New Energy Vehicles	Liu Cheng	Full Time Ph.D Scholar/PG& UG Student	Online
36	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	239	A Review of MICROGRID-connected Solar PV Array System	Sachin	Full Time Ph.D Scholar/PG& UG Student	Online
37	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	241	Enhanced Fault Detection in Solar Photovoltaic Systems using PSO	Dr.M.S.Sivagama Sundari	Academician	Online
38	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	242	An investigation of a component minimized PV based modified Z Source inverter fed induction motor	P.Poornima	Academician	Online
Day 2 (19-12-2024)						
Session-7						
39	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	243	A Fault Protection Scheme for Fixed Series Capacitor Compensated Transmission Lines	Jitesh Parmar	Full Time Ph.D Scholar/PG& UG Student	Online

40	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	245	Performance Analysis of Sliding Mode Controlled DC-DC Converter for Off-board Fast Charging	SUJATHA CHEREDDY	Full Time Ph.D Scholar/PG& UG Student	Online
41	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	247	Study On Anomaly Detection in Solar Power Conversion Systems Using Machine Learning Technique	R S SUBHASHREE	Full Time Ph.D Scholar/PG& UG Student	Online
42	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	253	Supercapacitor Energy Storage Analysis Using Machine Learning	Pranaveeka RM	Full Time Ph.D Scholar/PG& UG Student	Online
43	Power Electronics, Renewable Energy, Advanced semiconductors, Drives, Energy storage.	75	Testing of Hardware in the Loop (HIL) to An Investigation to Unity Input Power Factor in Presence of Permanent Magnet Synchronous Motor Drive	M Deva Darshanam	Full Time Ph.D Scholar/PG& UG Student	Online
44	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	21	Solar Photovoltaic Grid Forming to Evaluate Various Control Algorithm: A Review	Ibrahim Ahmed Alomar	Full Time Ph.D Scholar/PG& UG Student	Online
45	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	95	A Comparative Study on the Impact of Agriculture Monitoring Systems Using IoT	Y.Praveen Kumar Reddy	Full Time Ph.D Scholar/PG& UG Student	Online
46	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	96	New Routh approximation method for Discrete time SISO Interval systems Impulse Energy	N. Sowjanya	Full Time Ph.D Scholar/PG& UG Student	Online
Session-8						
47	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	210	Research and Analysis of Three-Dimensional Design Results of Power Transmission and Transformation Engineering	Chen Youhui	Full Time Ph.D Scholar/PG& UG Student	Online

48	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	223	Research on the Design if Source-Grid-Load-Storage Collaborative Active Distribution Network Based in Flexible Interconnection	Zhiwei Cui	Full Time Ph.D Scholar/PG& UG Student	Online
49	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	228	Design and Implementation of Electric Energy Meter State Analysis System Based on Metering Automation	Jing Yang	Full Time Ph.D Scholar/PG& UG Student	Online
50	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	240	A Comprehensive Review of Demand Response in Smart Grids: Challenges, Opportunities, and Future Directions	VIVEK KUMAR JAIN	Full Time Ph.D Scholar/PG& UG Student	Online
51	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	248	Machine Learning-Based Approach on Fault Classification in Microgrid	D.Kavitha	Academician	Online
52	Optics & Photonics, Smart sensing & controlling technologies in Protection and control of Power grid, High voltage Engineering	249	RESPONSE-TIME-BASED NETWORK SLICING IN SMART GRID APPLICATION FOR DER SERVICE OPTIMIZATION	Venkateshkumar M	Full Time Ph.D Scholar/PG& UG Student	Online
Session- 9						
53	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	43	Scaled Conjugate Gradient Control Machine learning algorithm for switching of boost converters employed in a grid tied solar PV systems	J.Vijaychandra,	Full Time Ph.D Scholar/PG& UG Student	Online
54	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	50	Optimal Control of Distribution System with Integration of DGs, D-STATCOM considering Network Reconfiguration using Metaheuristic Method	Prashant Raghuwanshi	Full Time Ph.D Scholar/PG& UG Student	Online

55	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	65	A generalized framework for scenario generation of forced oscillations in Power System	Niritishay Gupta	Full Time Ph.D Scholar/PG& UG Student	Online
56	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	85	Optimization and Performance Analysis of Solar Wind Hybrid Power Systems Using HOMER Software	Vibhuti Rehalia	Academician	Online
57	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	92	A Review on Reinforcement learning based Energy Scheduling Strategies for Smart Home Energy Management System	Verendra Singh Kharkwal	Full Time Ph.D Scholar/PG& UG Student	Online
Session-10						
58	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	93	Fault Detection In Power System Using Machine Learning Tool	Priyanka .V.	Full Time Ph.D Scholar/PG& UG Student	Online
59	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	94	A Combined Deep Learning Framework for Predicting Electrical Load Using Temporal Convolution, Recurrent, and Transformer Layers	Anuku Arjuna Rao	Full Time Ph.D Scholar/PG& UG Student	Online
60	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	111	A novel GRU-Transformer based hybrid model for Solar Power Forecasting	Vinayak Mathur	Full Time Ph.D Scholar/PG& UG Student	Online
61	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	114	Distributed Statcom with Fuzzy Controlled Battery Fed Dual Active Bridge for Roof-top Solar Dominated Distribution Networks	MURALIKRISHNA T	Academician	Online
62	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	125	Development of different Optimization Techniques for Hybrid Energy Storage Systems in Electric Vehicles.	Mahendra A Bagde	Full Time Ph.D Scholar/PG& UG Student	Online
Session-11						
63	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	201	Design of Modern Agricultural Machinery Navigation System Based on Extreme Learning Machine Image Intelligent Classification Algorithm	Dongxu Hao	Full Time Ph.D Scholar/PG& UG Student	Online

64	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	207	Optimal Load Allocation of Thermal Power Plant Units Based on Neural Network Algorithm	Dawei Jiang	Full Time Ph.D Scholar/PG& UG Student	Online
65	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	211	Research and Application of Global Optimization Algorithm for Energy Management of Distributed Generation System for Renewable Energy	Wenjing Wang,	Full Time Ph.D Scholar/PG& UG Student	Online
66	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	216	Research on Electrical Fire Intelligent Algorithm Based on Arc Model Simulation	Hailong Zhao	Full Time Ph.D Scholar/PG& UG Student	Online
Session-12						
67	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	217	Research on Fault Diagnosis Technology of Traction Transformer of Electric Locomotive Based on Improved Intelligent Algorithm	Xingze Li,	Full Time Ph.D Scholar/PG& UG Student	Online
68	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	218	Research on Intelligent Fault Diagnosis and Diagnosis of Hplc	Yekui Yang,	Full Time Ph.D Scholar/PG& UG Student	Online
69	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	220	Research on Power Grid Multi-Project Portfolio Investment Optimization Decision Based on Rwcs Search Algorithm	Wei Jia	Full Time Ph.D Scholar/PG& UG Student	Online
70	Applications of AI & ML in addressing dominant issues of Power generation, transmission, distribution, and utilisation	251	Predictive Maintenance of Bearing Faults in Rotating Machinery Using Machine Learning Models	Pavitra Arutselvan	Full Time Ph.D Scholar/PG& UG Student	Online