

IEEE International Conference on
**EMERGING TECHNOLOGIES IN
ENGINEERING APPLICATIONS**

ICETEA 2025
5 – 6 June 2025

Track-5: Electrical Engineering

Day1: 5th June 2025 (Thursday)- Session-1

Session Details	Paper ID	Paper Title	Authors Details	Date of Presentation	Timing	Venue Details
1	18	IoT based condition monitoring of solar powered electric vehicle and predicting future power generation using AI	Jayanthika A Ramesh Babu M, Akshaya GR	5 th June 2025	2.00 PM-4:30 PM	COE-6
	24	Smart Guardian: An Iot-Based Safety Solution For Women	Elavarasi K,Kalaiselvi B,Rajasekar P,Ganesh Kumari M,Sabareeshwaran K			
	45	Design And Development Of Quadratic Boost Dc-Dc Converter For Ev Application	Monish Vijey G, Kailash I, Venmathi M			
	235	MMAE Based Ddos Attack Detection And Mitigation Strategy In Virtual Power Plant	Desh Deepak Sharma			
	406	Evaluating Power Transformer Condition Through Dissolved Gas Analysis	Ragul S, Sushmithaa M, Sri Sabareeswaran V, Jasper D			
	430	Waste Management Of Lithium Ion Battery	V.Vanitha, V. Nandhinipriya, P.Sriram, S.Sri Lakshidha			
	535	Energy Management Systems For Electric Vehicle Utilizing Solar	R. Sudarsan, Mohamed Fazily, Vedavalli, S. P			
	548	Real Time Measurement of Power Quality Parameters Using Signal Processing Techniques	Kavinilavan E,Nandha B,Krishna Kumar V			
	557	Developing a Carbon Neutral Cloud Infrastructure with Intelligent Power Management in Green Cloud AI using Reinforcement Learning	Sivamani Selvaraju, Shokhjakhon Akhmedov, Zafar Adilov, Sudhanshu Maurya, Surya Pavan Kumar Gudla, Gopinath M			

	599	Wireless Electric Vehicle Charging Station using Solar Energy	M.Thiyagesan, T.Magesh L.Annie Isabella, Ms.R.Vanitha, S.Hemalatha, S.Geethaavarshni, K.Preethi			
	668	Implementation of a Single DC Source Based StepUp Multilevel Inverter	Usha K, Saraswathy T D			
	823	Optimized MPPT Control for PV cell using iterative feedback and fuzzy logic	Sivakumar S, Bharath S , Gokul K			
	1607	Regenerative Dual Charging System for Vehicle	Raja P , Logesh R, Vishwa R, Mohamed Masood N			
	1608	Continuous Energy Generative Solar Panel Using Infrared Technology	Raja. P, Madumithan. E, Gowtham. S, Shirish. S			