



Research Highlights

★	The Department has been recognized as Research Centre by Anna University, Chennai since January 2013 and renewed in 2016, 2018 and 2021.
★	The research centre has 5 Research Supervisors Recognized by Anna University, Chennai.
★	14 Research Scholars have completed Ph.D. Programme successfully .
★	23 Research Scholars have registered for Ph.D. Programme.
★	Faculty members and Research Scholars of our department consistently publish SCI/Scopus Indexed papers in referred International Journals/Conferences.
★	Major Research Areas are Renewable Energy Systems, Nano-Technology, Smart Grid Technology, Soft Computing Techniques, Design and Analysis of Power Converters, Energy Conservation and Electrical Drives.
★	The department of EEE has state of art facilities in research laboratory and is actively involved in collaborating with industries for research and consultancy works.
★	The department has procured latest software like ETAP, CYME, POWER WORLD SIMULATOR, HOMER to cope with the research needs.
★	The major equipment available for research are 5 kW and 25 kW Solar Power Plant with grid tied inverter, DC test bench, DC Microgrid set up, Jetson Nano board, Micro wind 500W generator, Pyranometer, BLDC Drive, Power Converters, Small Size Solar Panels, Harmonic Tester and Clamp Meter, PCB Fabrication Machine, Switching Matrix circuit, Transmission Line model, Thermal Imaging Camera, Various Microcontrollers, Various Electrical Machines and Various Meters.
★	Sponsored Projects have been obtained from various governmental agencies like AICTE, DST, TNSCST, IE (India) worth 47 lakhs

S.No.	Name	Research Achievement	Photo
1	Dr. D.Prince Winston	Top 2 % Scientists Worldwide by Elsevier BV, Stanford University	
	Dr. D.Prince Winston	AD Scientific Index 2022 – World Scientists	
	Dr. D.Prince Winston	Sole author publication in IEEE transactions	
2	Dr. S.Kalyani	Top 2 % Scientists Worldwide by Elsevier BV, Stanford University	
	Dr. S.Kalyani	AD Scientific Index 2022 – World Scientists	

Images of Equipment

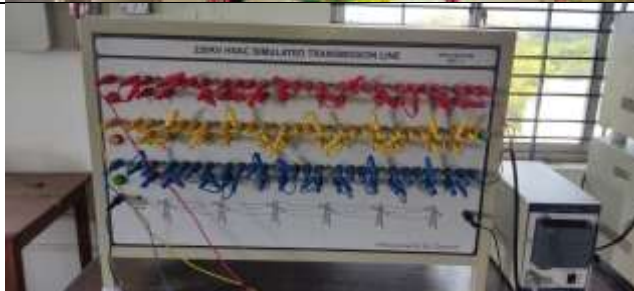
1. Pyranometer with data logger



2. Switching Matrix circuit



3. Transmission line model



4. Microwind Generator 500 W



5. PLC SCADA system



6. Thermal Imaging Camera



7. AC meters and DC meters



8. Solar PV panels and Bifacial PV panel



9. Solar inverter and battery



10. DC test bench



11. Server system



12. Jetson Nano System

