



SRIRAM ENGINEERING COLLEGE


Perumalpattu, Veppampattu (RS), Chennai 602024 Tamil Nadu

(A Unit of Sriram Educational Trust)

(Approved by AICTE, New Delhi & Affiliated to Anna University, Chennai)

DEPARTMENT - EEE

GENERAL INFORMATION

Name of the Faculty Member	Mrs.D.Sharmila	
Present Designation	Assistant Professor	
Educational Qualification	M.E.,(Ph.D)	
Anna University ID Number	1125178	
AICTE ID Number	1-44726542329	
Total Experience	11	
Date of Birth	22.09.1991	
Date of Joining	11.08.2025	
Area of Specialization	Solar Energy	

PARTICULARS OF EDUCATIONAL QUALIFICATION

Degree / Diploma	Subject	University / Board	Year of Passing
Ph.D.,	Pursuing		
PG	Solar Energy	Anna University	2016
UG	EEE	Anna University	2013

RESEARCH TITLES

Ph.D.,	Smart Optimization of HRES bridging the gap to scalable grid Integration
PG.	Design and Optimization of Solar Thermal hybrid cooking application
UG.	Low pressure bypass system for cold based power plant

ACADEMIC & INSTITUTIONAL RESPONSIBILITIES

Class Committee chairperson

PROFESSIONAL MEMBERSHIP

INTERNATIONAL ASSOCIATION OF ENGINEERS

PATENT DETAILS

NIL

BOOK CHAPTER PUBLICATIONS

NIL

JOURNAL PUBLICATIONS

1. Three Phase Series /Parallel converter cascaded switched capacitor multi level Inverter- Pages 16-32 24562-5083 VOL:6 Issue 11,nov2017 ISSN
2. Performance Improvement of External Inductor based voltage controlled D-STAT COM- 24562-5083 VOL:6 Issue 11,nov2017 ISSN
3. Multi agent arrangement for Independent Microgrid operation-24562-5083 VOL:6 Issue 11,nov2017 ISSN

PAPERS PRESENTED IN CONFERENCES/SYMPOSIUMS

1. Reduced switching loss AC/DC/AC converter with feed forward control – ICEECE 2018
2. Experimental Investigation of Indirect solar cooker using evacuated tube collector – ICEECE 2018
3. Solar PV powered SRM Drive for electric vehicles with novel flexible energy control- ICEECE 2018
4. Harmonic mitigation analysis of distribution system in grid control.

CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED

NIL

NPTL, SWAYAM AND OTHER CERTIFICATIONS:

NIL

SUPERVISERSHIP (IN NUMBERS)

Ph.D.,	-
PG.	2
UG.	6