



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.R.Jayalakshmi	
Present Designation	Assistant Professor	
Educational Qualification	M.E.,(Ph.D)	
Anna University ID Number	1126174	
AICTE ID Number	1-3586544521	
Total Experience	13	
Date of Birth	12.04.1985	
Date of Joining	07.03.2017	
Area of Specialization	EEE	

PARTICULARS OF EDUCATIONAL QUALIFICATION

Degree / Diploma	Subject	University / Board	Year of Passing
Ph.D.,	Pursuing		
PG	Power Electronics & Industrial Drives	Sathyabama University	2011
UG	Electrical and Electronics Engineering	Anna University	2007
Diploma	Electrical and Electronics Engineering	DOTTE	2004

RESEARCH TITLES

Ph.D.,(pursuing)	Enhancing Energy Efficiency through Effective Energy Management Systems in Residential Microgrids
PG	CASCADED HYBRID MULTILEVEL INVERTER
UG	RF BASED LOAD MANAGEMENT SYSTEM
Diploma	QUIZE DISPLAY

ACADEMIC & INSTITUTIONAL RESPONSIBILITIES

Class Incharge, Admission cell Member, WEC Member, Symposium Coordinator, **Timetable committee member**, **IQAC cell member**

PROFESSIONAL MEMBERSHIP**INTERNATIONAL ASSOCIATION OF ENGINEERS****PATENT DETAILS**

- Approved for **PATENT** in **Gear motor with transmission has an input shaft and housing.**

BOOK CHAPTER PUBLICATIONS**NIL****JOURNAL PUBLICATIONS**

- **IJAREEIE** International Journal of Advanced Research in Electrical, Electronics and Instrumentation Engineering. Volume 9, Issue 3, March 2020: ISSN (Print): 2320 – 3765 ISSN (Online): 2278 – 8875
Title: A single phase Bidirectional H6 Rectifier/Inverter with switched capacitor compensator in PV applications

PAPERS PRESENTED IN CONFERENCES/SYMPOSIUMS

1. “Estimation and control of Real-time junction temperature of a motor drive using thermal camera”- **ICIETM’19**
2. “A comparison of selected silicon and silicon carbide switching devices for PV Micro inverter applications”- **ICCETCC’18**
3. Voltage Sag improvement using DVR and Fuzzy logic controller- **EMTIC – 2018**
4. “Generation for Remote area using PV based stand alone scheme with minimum converter stages” **EMTIC – 2017**
5. “A hybrid Cascaded Multilevel Inverter for Interfacing with Renewable Energy Resources” **NCPED-2011**

CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED**Seminar : “Recent trends in Renewable Energy and Grid Integration”**Workshop: Participated in **MTS Techathon Maritime Competition 2018 held during 22nd & 23rd January 2018 at SRM Institute of Science and Technology.**

Attended more than 40 webinars during lockdown period of 2020.

International Conference: Quantum Neural Network Architectures and Optimization Strategies for NISQ-Era Systems(IEEE)**NPTL, SWAYAM AND OTHER CERTIFICATIONS:**

Smart Grid: Basics to Advanced Technologies

SUPERVISERSHIP (IN NUMBERS)

Ph.D.,	-
PG.	5
UG.	15

