



# 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	Dr.S.Sreedevi	
Present Designation	Associate Professor	
Educational Qualification	Ph.D.	
Anna University ID Number	1126248	
AICTE ID Number	1-3362431944	
Total Experience	17	
Date of Birth	20.01.1977	
Date of Joining	12.03.2024	
Area of Specialization	Power System	

### PARTICULARS OF EDUCATIONAL QUALIFICATION

Degree / Diploma	Subject	University / Board	Year of Passing
Ph.D.,	Optimal Allocation of Distribution Generation Using Heuristic Algorithms	V.I.T., Chennai	2023
PG	Power Systems	Anna University	2006
UG	EEE	Madurai Kamaraj University	1999

### RESEARCH TITLES

Ph.D.,	Optimal Allocation of Distribution Generation Using Heuristic Algorithms
PG.,	GENCO's Maintenance Scheduling by using Tabu Search Algorithm
UG.,	Speed Control of DC motor using Thyristors

### ACADEMIC & INSTITUTIONAL RESPONSIBILITIES

EDC Coordinator, science expo coordinator
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**PROFESSIONAL MEMBERSHIP**

INTERNATIONAL ASSOCIATION OF ENGINEERS

**PATENT DETAILS**

IOT Enabled Intelligent Waste Management System” – Published Patents

**BOOK CHAPTER PUBLICATIONS**

SRUTHI PUBLISHERS- BEEE

**JOURNAL PUBLICATIONS**

“Design and Implementation of a PV-based EV charging system with optimized power converter integration” - For SCI Journal

“ A Novel Integration of Machine Learning and Distributed Systems for Robust Data Protection in IOT Environment” – For SCI Journal

Performance Enhancement of Grid Integrated Hybrid Renewable Energy Systems Under Fluctuating Conditions through an Intelligent Control Strategy – For SCI Journal

Enhancing Grid Stability and Reducing Costs with Distributed System Involvement in Electric Vehicle and Regulation Markets

“Prevention of over current consumption through IOT” – For Scopus Indexed

Secure and Trustworthy AI for Efficient Diabetic Retinopathy Screening with Deep learning Model” – Book Chapter

“Optimized Power Quality in Grid Systems Using PV based UPFC and Advanced ANN Control Approach” - For Scopus Indexed

**PAPERS PRESENTED IN CONFERENCES/SYMPOSIUMS**

1.“Optimal allocation of multiple distributed generators based on hybrid technique for reduction of power loss”, International Journal of Electrical and Electronics Engineering, 10.7 (2023): 1-21-Scopus Indexed.

2.“Hybrid Boost-cuk converter with bat-chicken swarm optimized PI controller for photovoltaic grid systems”, Journal of Future Technology, 4.2 (2025) 11-21 – Scopus Indexed

**CONFERENCES, SEMINARS AND WORKSHOPS ATTENDED**

Recent Trends and Advancement in Integrated Power Systems

Data Science and Management of Data

ICT Integrated Evaluation in Outcome- Based Education

**NPTL, SWAYAM AND OTHER CERTIFICATIONS:**

1

**SUPERVISERSHIP (IN NUMBERS)**

Ph.D.,

PG. 10

UG. 22

