



Sriram Engineering College

Department of Electrical and Electronics Engineering

Name & Photo : Mr.N.Udhayaraj		
Designation:		Assistant Professor
Qualification :	UG(Specialization)	B.E – Electrical and Electronics Engineering
	PG(Specialization)	M.E – Power Electronics and Drives
	Ph.D	Pursuing (EV)
	Others	Diploma – Electrical and Electronics Engineering
Area of Specialization :		Power Electronics Electrical Machines
Experience :	Teaching	11 Years
Paper Presentation in Seminar/Conference /Workshop (Specify only numbers)	National	National Conférence – 4
	International	International Conférence - 5
Participation in (Specify only numbers)	Seminar/Conference /Workshop	-
	STTPs/FDPs	STTP-2 / FDP - 5
	Training Programs	2
	Subjects Handled	Power Electronics, Design of Electrical Machines, Control Systems, Electrical Machines I & II, Electrical Engineering & Instrumentation, Transmission and Distribution, Solid State Drives, Electrical Drives and Control, Measurements and Instrumentation, Electromagnetic fields, Power System Analysis.

Experience Details: (Teaching & Industrial)

Name and Address of the Institution	Designation	Total No. of Years / Months
Sriram Engineering College	Assistant Professor	1.2 years
Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and Technology	Assistant Professor	3.5 years
Vel Tech (owned by R.S.Trust)	Assistant Professor	3.5 years
Vel Tech Rangarajan Dr.Sagunthala R&D Institute of Science and	Assistant Professor	2 years
Lord Venkateshwaraa Engineering College	Assistant Professor	1 years

Paper Presentation in Conferences/FDP/Workshop/Seminar/Guest Lecture:

Category (FDP/Workshop etc.)	Duration	Title	Venue
Workshop	One Day (11/9/24)	The Awareness programme on Industrial IoT and Industrial Visit.	Tidal Park,Tharamani,Chennai.
FDP	5 DAYS(5/8/28-10/8/24)	Prompt Engineering (HCL-TECH)	UCE,Kanchipuram.
Workshop	Two Days(7/3/24 to 8/3/24)	Smart charging, bright future understanding battery management systems in electric vehicles.	Sri Sakthi Engg College,Coimbatore.
Webinar	One Day (25/1/22)	Emerging Trends in Internet of Energy.	PET Engg College, Vallioor.
FDP	5 DAYS(27/12/21-31/12/21)	Challenges of Electric Vehicle and Charging Infrastructure in India.	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
Coursera Course	One Day (22/8/22)	Electric industry and operation markets	DUKE University(Online)
Workshop	One Day 10/6/20)	Advanced Simulation Tools for Power Systems, Power Electronics & Electromagnetics.	Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Chennai
FDP	Six Days(12/10/20 to 17/10/20)	Electric Vehicle: Technologies, Challenges and Opportunities for Integration of Renewable	RMK Engg College, Chennai.

JOURNALS PUBLISHED

- Published in International Journal of **Artificial Intelligence Review An SOA-RBFNN approach for the system modelling of optimal energy management in grid-connected smart grid system** <https://doi.org/10.1007/s10462-022-10261-x> on Sep 2022.(SCOPUS INDEXED).
- Published in International Journal of **Electrical Engineering & Electro mechanics, , no. 5 Design of single switch-boosted voltage current suppressor converter for uninterrupted power supply using green resources integration on 2022. (SCOPUS INDEXED).**
- Published in International Journal of Advances in Engineering and Emerging Technology (IJAEET), **“Implementation of Concentrated Photo Voltaic System for Constant Output Power Density and the effect of Series Resistance Against Photo Voltaic System using Liquid Crystal Lens”** Vol. 5, No. 5, July2014, ISSN 2321-452X©2014.

Published in Journal of **Theoretical and Applied Information Technology** Wireless machine to machine health care solution using android mobile devices in global devices” , ISSN: 1992-8645, Vol.70 No.1 on 10th December 2014. (SCOPUS INDEXED).

Published in Journal of Chemical and Pharmaceutical Sciences (IJCHPS) **“Analysis and Implementation of Single Phase Seven Level Inverter for Utility Supplies application”** ISSN: 0974-2115, June2017.

- Published in Journal of Chemical and Pharmaceutical Sciences (IJCHPS) **“A New Approach of Anti-Lock-Braking System using can Protocol by Advanced Controllers”** ISSN: 0974-2115, June2017.
- Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), **“APPLICATION OF GENETIC ALGORITHM FOR INDIA’S ELECTRICITY CONSUMPTION ESTIMATION”** ISSN(P):2249-6890; ISSN (E): 2249-8001 Vol. 8, Special Issue 3, 1565-1573, Dec 2018.
- Published in International Journal of Mechanical and Production Engineering Research and Development (IJMPERD), **“LOW COST POWER QUALITY ANALYSIS FOR DOMESTIC AND INDUSTRIAL APPLICATIONS”** ISSN (P): 2249-6890; ISSN (E): 2249-8001 Vol. 8, Special Issue 3, 1549-1558, Dec 2018.

CONFERENCE

- Attended national conference on **“Advances in Microwave ,Radar and**

Communication Engineering in Saveetha University, Chennai-February 2013.

- Attended International conference on “**Partial Discharge Detection Using Acoustic Emission Technique In Model Transformer ICACPC"15** at Christian college of Engineering and Technology, Oddanchatram, Dindigul.
- Attended International conference on “**A New Approach of Anti Lock-Braking System using CAN Protocol by Advanced Controllers–“ICETS’17** at Muthayammal Engineering college , Rasipuram , Namakkal.
- Attended International conference on “**15- Level Multilevel Inverter for High Frequency AC Power Distribution –ICONSTEM" 19** at Jeppiaar Engineering College, Kelambaakam, Chennai.
- Attended International conference on “**15- Level Multilevel Inverter for High Frequency AC Power Distribution –ICRDET" 19** at Dhaanish Ahmed College of Engineering, Padappai, Chennai.
- Attended International conference on “**A Novel monitoring arrangement for single and multiple power quality occasions calculations and classification in supply system: A GSA** at Government College of Engineering , Keonjhar on 22nd and 23rd Dec 2020.

MEMBERSHIP:

The Indian Society for Technical Education (MISTE)– **LM115718.**