



Sriram Engineering College

Department of Electrical and Electronics Engineering

Name & Photo :		
Designation:		Mrs. LDHANA BHARATHI Assistant Professor
Qualification :	UG(Specialization)	B.E (Electrical and Electronics Engineering)
	PG(Specialization)	M.E (Power Electronics and Drives)
Area of Specialization :		Power Electronics, Electrical drives and control, Power system operation and
Experience :	Teaching	12 Yrs
Paper Presentation in Seminar/Conference /Workshop (Specify only numbers)	National	01
	International	07
	Journals	02
Participation in (Specify only numbers)	Seminar/Conference /Workshop	06
	SDPs/FDPs	06
	Training Programs(STTP)	02
Subjects Handled		Power Electronics, Electrical Machines, Control System, Linear Integrated Circuits, Digital Logic Circuits, Solid State Drives, Analysis of Inverters, Basic Electrical Electronics and Measurement Engineering, Basic Electrical Electronics and Instrumentation Engineering, Electromagnetic fields, Electric Energy, Generation Utilization and conservation, Power system operation and control, Measurements and Instrumentation, Protection and switch gear, Electrical Drives and control.

Experience Details:

Name and Address of the Institution	Designation	Total No. of Years / Months
Sriram Engineering College	Assistant Professor	12 Years
Integral Coach Factory, Perambur	Electrical Apprentice	1 Year
Domex e-data Pvt. Ltd, Shenoy Nagar	Technical Abstractor	1 Year

ACHIEVEMENTS

- Received Certificate of Performance during the Academic Year 2010 – 2011 for **giving 91 % in the subject Design of Electrical Machines - BE. (EEE) and 100 % in Digital Instrumentation for ME (EST)**
- Received Certificate of Performance during 2107-2108 for giving **100 % result in Linear Integrated circuits and Applications – II Year BE (EEE)**
- **Received a Grant from CSIR of Rs.30, 000 to Organize Workshop during the Year 2011** on “Recent trends Automation, soft computing skills with real time experience”
- Received **ISO TUV India Training Academic – ISO 9001:2015 Certificate. Dated: 9th August 2017; Certificate No.811497225B/12**

Papers published in Conference/ Journals:

S. No	Date	Venue	Event	Title
Conference				
1	8 th May 2019	JNN Institute of Engineering	International Conference	“ Estimation and control of Real – time junction temperature of a motor drive using thermal camera”
2	6 th and 7 th April 2017 2018	SA Engineering College	International conference	“Unique Reactor design for minimizing harmonic in power system”
3	17 th and 18 th March 2016	Karpagam college of Engineering, Coimbatore	International conference	“Detection of object displacement by optical flow vector using RASPBERRY P1”
4	4 th April 2015	Gojan School of Business and Technology, Red hills, Chennai	International conference	“Persistence of vision in LED Display System”
5	03-04-2010	Sri Ram Engineering College, Perumalpattu	National Conference	“Impact on EMC filters on the power density of modern three – phase PWM converters”
6	26-03-2010	Valliammai Engineering College	International conference	Impact on EMC filters on the power density of modern three – phase PWM converters
7	02&03 May 2014	Apollo Engineering College, Chennai	International conference	An intelligent ambulance security system by the shortest path using prioritized traffic switching
8	5&6 th April 2014	Jawahar Engineering College, Chennai	International conference	An intelligent ambulance security system by the shortest path using prioritized traffic switching
WORKSHOP				
1	29-04-16 & 30-04-16	Velammal Engineering College, Surapet		“Power Electronics Applications to Renewable Energy source using MATLAB and PSIM”
2	11-05-12	G.K.M. College of Engineering & Technology, Perungalathur		“Research Excellence” RSE 2012
3	22-08-09	Veltech Multitech Dr. Rangarajan Dr. Sakunthala Engineering College, Avadi		“ARM PROCESSOR” RSE 2012

Journals Published:

JOURNALS		
Name	Issue NO.	Title
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	A single phase Bidirectional H6 Rectifier/Inverter with switched capacitor compensator in PV applications
IJREAT International Journal of Research in Engineering & Advanced Technology	Volume 2, Issue 2, Apr-May, 2014 ISSN: 2320 – 8791 (Impact Factor: 1.479)	An Emergency Ambulance Security System by the Shortest Route Using Prioritized Traffic Signaling: Published by: PIONEER RESEARCH & DEVELOPMENT GROUP (www.prdg.org)

SEMINAR			
1	04 th January 2020	Prathyusha Engineering College	Recent trends in renewable energy and grid integration
2	14-03-2013	Pratyusha Institute of Technology and Management, Aranvoilkupam	“Smart Grid infrastructure and networking”
3	05-04-2011	Sriram Engineering College	“Recent Trends and Research issues in power quality improvement”
FACULTY DEVELOPMENT PROGRAM			
1	25 th and 29 th Nov 2019	QIS college of engineering and technology	Modeling, simulation, control and applications of power electronic converters
2	21-08-10	SKR Engineering College, Nazarathpet	“ Programmable system on-chip(PSOC)
3	23 rd and 24 th June 2017	Loyola Institute of Technology, Nazarathpet	Electromagnetic Theory
4	05/01/2021 to 09/01/2021	Easwari Engineering College – Online Mode	Internet of things and applications in 5G
5	07/12/2020 to 19/12/2020	S. A. Engineering College – Online Mode	“High power conversion electronics for green energy based smart grid”
6	30/11/2020 to 05/12/2020	St’ Josephs Institute of Technology – Online Mode	Data Analytics for smart grid technology
7	23/11/2020-28/11/2020	QIS college of Engineering and technology- AP – Online Mode	Advanced power electronic converters for Electric vehicle power train and smart grid.
8	23/11/2020-28/11/2020	Academy of maritime Education and Training	Role of Smart technology in Maritime Industries.