

FACULTY PROFILE

Dr.S. Rajendran

Professor - EEE

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EDUCATIONAL QUALIFICATION

Degree	Branch/ Specialization	Institute/University	Year
Ph.D	EEE - Control Systems	Anna University, Chennai.	2015
M.E	EEE - Power Systems	National Institute of Technology , Tiruchirappalli.	1999
B.E	Electrical and Electronics Engg.	Alagappa Chettiyar Government College of Engineering & Technology, Karaikudi.	1993

EXPERIENCE

Period	No. of Years	Designation	Institute Name
28-08-2006 to Till date	19	Professor	Mookambigai College of Engineering
09-09-2005 to 27-08-2006	1	Asst. Professor	Mookambigai College of Engineering
01-05-2001 to 08-09-2005	4	Sr. Lecturer	Mookambigai College of Engineering
14-06-1995 to 30-04-2001	7	Lecturer	Mookambigai College of Engineering

PUBLICATIONS

Journal Details	Year
Hybrid Learning Framework for Accurate EV Battery Diagnostics and Energy Management: IEEE Xplore	2026
AI Earth Observation Satellite for Disaster Detection System Using LEO : IJATEM	2026
GA Based Intelligent Controller for Dynamic System : IJSC	2015
Design and Implementation of Intelligent Controllers for Dynamic System: MEJSR	2014
Design and Implementation of Fuzzy Logic Controller for Dynamic System: IJMME-IJENS	2014
LabVIEW based Modeling of Dynamic System: IJMME-IJENS	2014

FUNDED PROJECTS

Name of the Project	Sponsoring Agency	Amount	Year
PC based dc motor speed control	TNSCST	10000	2002

PATENTS

Title	Status	Year
Remote Controlled Battery Backup Management in OFF Grid Solar Power Plant using IOT	Published	2024

SEMINAR, CONFERENCE, WORKSHOP / FDP ATTENDED

Title	Organized / Sponsored by	Total Days	Year
Smart Grid and Energy Economics: Market, Tariff and Technology	NIT, Hamirpur.	5	2026
Mastering Research Methodology: Key Insights for Effective Academic Research	IIT, Guwahati.	6	2025
Advance Energy Storage Systems for Electric Vehicles	NIT, Hamirpur.	5	2024
Microgrid: Operation, Operation, Control and Protection	NIT, Hamirpur.	5	2024
Electric Vehicle Technology	NIT, Rourkela.	6	2023
Implementation of AI in Agriculture (C)	St. Joseph's College of Engg.	1	2022
OBE and TLP	SASTRA, Thanjavur.	11	2021
Preparation of SAR for NBA Accreditation	SASTRA, Thanjavur.	2	2021
LabVIEW based modelling of dynamic system	EGS Pillay Engg College, Nagappattinam.	2	2014
Intelligent Systems and Control	IIT, Kanpur	5	2011
NPTEL Workshop	IIT, Madras	1	2011

LabVIEW with Hands on Training	SRM University ,Chennai	5	2010
Modeling and Simulation for Industrial Automation	Kongu Engineering College, Erode	2	2009
Intelligent Controller design for non-linear process	Mahindra College of Engg, Tharmapuri	2	2009
Electrical Machines and Power Electronics in Renewable Energy Systems	NIT, Tiruchirappalli	5	2008
Fault Diagnosis and Applications	NIT, Tiruchirappalli	1	2008
Design of experiments for UG courses on ICE & EIE	NIT, Tiruchirappalli	6	2008
Designing Instruction with Learning Objects	Bannari Amman Institute of Technology, Coimbatore	3	2006
Process Optimization, Data driven Modeling and Advanced Process Control	IIT, Mumbai	5	2004
“Accreditation A Right Approach” Sponsored by AICTE	Thiagaraja College of Engg, Madurai	1	2004
Workshop on MEMS	IISc , Bangalore	2	2003
One day Workshop on NBA – Accreditation	Kongu Engineering College, Erode	1	2003
AICTE –ISTE Winter school (2 weeks) on “ Power Quality Problems and remedial measures”	NIT, Calicut	14	1998
NPTEL COURSE COMPLETED			
Title		Period : 4/8/12 Weeks	Year
Design Of Power Electronic Converters		8	2025
NBA Accreditation and Teaching and learning in Engineering (NATE)		12	2023
Introduction to Smart Grid		8	2019
Advances in UHV Transmission and Distribution		8	2019
Recent Advances in Transmission Insulators		4	2018
BOOKS PUBLISHED			
Title	ISBN No.	Publishers Name	Year
Basic Electrical and Electronics Engg.	978-81-994040-6-9	Z Alpha Research and Publishing Hub, Tiruchirappalli.	2026
Power Electronics	978-81-994040-7-6	Z Alpha Research and Publishing Hub, Tiruchirappalli.	2025
High Voltage Engineering	978-93-6260-236-7	Charulatha Publications,Chennai	2024
MEMBERSHIP			
Name of the Society	NO	Member Type	
IEEE	99288529	Annual Member : Since 2023	
Indian Society for Technical Education	LM1993	Life Member	
Instrumentation Society of India	LM1073	Life Member	
Broadcast Engineering Society(INDIA)	LM1883	Life Member	
ADDITIONAL RESPONSIBILITIES			
➤ Dean / Student Affairs : Since 2015			
➤ NBA Coordinator : 2022-24			
➤ Electrical Maintenance : Since 2001			
➤ Faculty Advisor – ISTE Students Chapter : 2001-2003			
➤ Chief Superintendent –University Examinations : Four Times (including Covid’19 Period)			
➤ Chairman –EEE Board Central Valuation: Anna University –Zone 18, Tiruchirappalli : 10 Times			
➤ Chairman –Internal Assessment Test : 2024-25, 2012-15			