

FACULTY PROFILE

Name of the Staff : **MR.J.THANGARAJ**
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1. Personal Details

Age : 42 years
Date of Birth : 03.05.1984
Sex & Marital Status : Male & Married
Citizenship : Indian
Qualification : M.E
Date of Joining : 01-06-2023
Present Designation : Assistant Professor (Sr.Gr.)

Qualification

Degree	Programme and Specialization	Class /CGPA	Month &Year of Passing	Institute/University
Ph.D	Power Systems Engineering	-	Pursuing Jan2026	National Engineering College/ Anna University (PT)
M.E./M.Tech	Power Systems Engineering	I Class/8.0 CGPA	July 2012	S.K.P. Engineering College/Anna University
B.E/B.Tech	Electrical & Electronics Engineering	I Class/73%	April 2005	The Rajaas Engineering College/Anna University

2. Industrial Experience

Designation	Organization	Period	Nature of Duties
Engineer O&M	Suzlon Energy Limited	2006-2010 (4 Years)	Operation and Maintenance of Wind Turbine Generator.
Engineer	Sastha Engineers & Consultants	2005-2006 (1 Year)	Operation and Maintenance of 230/33 kV Substation
Total :			5 Years

Job Description:**Suzlon Energy Ltd - Engineer**

- Operation and Maintenance of Wind turbines (1500 kW, 1250 kW, and 600 kW) for customer owned wind farms in the region.
- Hands on experience on High/Medium/Low Voltage AC/DC system testing, Operation and Maintenance, troubleshooting & repair.
- Provide customers with high quality, value added service solutions including Operations /SCADA, maintenance, troubleshooting and service of wind energy products.
- Operation and Maintenance of 33/0.690 kV Transformer

Sastha Engineers and Consultants - Jr. Engineer

- ✓ O&M of 230/33 kV Wind Farm Substation
- ✓ Operation and Maintenance of 4* 50 MVA Power Transformers
- ✓ Operation and Maintenance of 230/33 kV Switch Yard and Protective Relay Panels.
- ✓ Operation and Maintenance of DC Batteries.
- ✓ Detailed knowledge of protective Relays, Vacuum Circuit Breakers, and SF6 Circuit Breakers.
- ✓ Preparing the Power Evacuation Report.

3. Teaching Experience:

Designation	Institution/ Organisation	Period		Nature of Duties
		From	To	
Assistant Professor	National Engineering College, Kovilpatti	01-06-2023	Present	Teaching and Research
Assistant Professor	V V College of Engineering	19-04-2013	31-05-2023	Teaching and Research
Total :				13 Years 1 Month

Courses taught:

Course Title	U.G./ P.G.
Electric Drives and Control, Measurements & Instrumentation, Basic Electrical and Electronics Engineering, Power System Analysis, Power System operation and Control, High Voltage Engineering, Electric Circuits Analysis, Solid State Drives, Basic Electrical, Electronics and Instrumentation Engineering, Power Electronics for Renewable Energy Systems, Protection and Switchgear, Electro Magnetic Theory, Power	U.G

System Transients, Smart Grid, Power System- I, Power System-II, Basic Electrical and Electronics Engineering, Electrical Engineering	
Flexible AC Transmission System, Power Quality, Power Electronics for Renewable Energy Systems, Switched Mode Power Supplies, Power System Transients, Wind Energy Conversion Systems	PG

4. Academic Achievements

4.1. Short term Courses / Seminars / Conference/ Workshops organized:

S. No	Course Title	Period	Participants	Venue
1.	Two Days Workshop on Smart Protection and Control using Numerical Relays	06-Apr-26 to 07-Apr-26	25	Smart Protection and Control Lab- National Engineering College

4.2. Online Certification Courses Completed:

S. No	Certification	Period	Organizer	Remarks
1.	NPTEL-Online certification on "Power system Protection"	Jul-Oct-2023 (12 Weeks)	NPTEL- IIT Kharagpur	73% (Elite)
2.	NPTEL-Online certification on "Digital Protection of power System"	Jan-Mar-2024 (8 Weeks)	NPTEL- IIT Roorkee	78% (Elite + Silver)
3.	NPTEL-Online certification on" Electrical Distribution System Analysis	Jul-Oct-2024 12 Weeks	NPTEL- IIT Roorkee	60% Elite
4.	NPTEL-Online certification on "Power Network Analysis"	Jul-Oct-2025	NPTEL- IIT Kanpur	77% Elite Silver
5.	NPTEL-Online certification on "Smart Grid- Basics to advanced Technologies"	Jan-Apr-2026	NPTEL- IIT Roorkee	87%- Elite Silver- 5% Topper
6.	NPTEL-Online certification on "Operation and Planning of Power Distribution Systems"	Jan-Apr-2026	NPTEL- IIT Guwahati	69%- Elite

4.3.FDP/ Seminars / Conference/ Workshops Attended:

S. No	Title	Period	Venue
1.	FDP: Anna University – One Week Faculty Development Program on Power Electronics for Renewable Energy Systems	07-Dec-14 to 13-Dec-14	V V College of Engineering, Tisaiyanvilai

2.	FDP: Anna University – One Week Faculty Development Program on Solid State Drives	16-Dec-14 to 22-Dec-14	V V College of Engineering, Tisaiyanvilai
3.	Two Day Workshop – Industrial Automation using PLC	29-Dec-14 to 30-Dec-14	V V College of Engineering
4.	Conference -Performance Analysis of Wind Energy Conversion System	28-03-2015	Arunachala College of Engineering for
5.	One Day Workshop -Programmable Logic Controller	12-12-2016	V V College of Engineering,
6.	Conference – Power Management of Grid Connected Renewable Energy System	23-03-2016	V V College of Engineering
7.	FDP -NPTEL-AICTE- Faculty development Program me “Design thinking – A Primer”	Jul-Aug-2023 (4Weeks-Online Mode)	IIT Madras (Online Mode)
8.	FDP -Matlab/Simulink Programming Conducted by Enthu Technology Solutions India Private Limited	23-Nov-23 to 24-Nov-23 (Two days)	National Engineering College
9.	Professional Development Program me on “ Instructional Design and Delivery System” Conducted by “National Institute of Technical Teachers Training and Research”, Chennai (MoE, Govt.of India)	16-May-24 to 18-May-.24	National Engineering College
10.	FDP :Emerging Trends in Advance Power Engineering Application	22-July 24 to 26-Jul-24	Paavai Engineering College (Online)
11.	FDP: Mentoring and Counseling Skill for Teachers	26-Aug-24 to 30-Aug-24	National Engineering College
12.	FDP: Enhancing Teaching and research Excellence in Engineering Education	28-Sep-24-30 Sep-24	National Engineering College
13.	FDP: Emerging Technologies for Smart Grid and Green Energy Integration	25-11-24 to 06-12-24	NIT-Warangal (Online)
14.	Workshop: Energy Storage Technologies for Micro-Grid Energy Management	20th-21st December 2024	NIT-Tiruchirappalli (Physical)
15.	FDP: Sustainable Smart Energy Technologies	6-01-25 to 11-01-25	IITDM-Kanchipuram (Online)
16.	FDP: Integration of Artificial Intelligence Techniques to Electric Vehicles and Smart Grid	20-01-2025 to 25-01-2025	Sree Rama Engineering College, Tirupathi (Online)

17.	GIAN: Sustainable AI: Employing Machine Learning for Sustainable Technology Development	17th-21st Feb-2025	NIT-Warangal (Physical Mode)
18.	FDP-NPTEL-AICTE- Faculty development Program me “Operation and Planning of Power distribution Systems”	Jan-Apr-2026 (12 Weeks-Online Mode)	IIT Guwahati (Online Mode)
19.	FDP: Thrive as an Educator: Discover, Connect and Excel	27-Apr-26 to 28-Apr-2026	National Engineering College

4.4. Industrial training Undergone:

S. No	Course Title	Period	Venue
1.	High Energy Batteries (India) Limited	09-Jun-2025 to 13-Jun-2025	Mathur, Trichirappalli

4.5.Short Term Course Completed:

S. No	Course Title	Period	Organizer
2.	Online live Training on “Relay Co-Ordination using ETAP”	26.05.2024 (3 Hours)	Power Projects
3.	Substation Design	02-Sep.24 to 02-Oct-24 (1 Month)	SkillDzire (Swayam Plus- Online)

4.6. Webinar Attended

S. No	Course Title	Period	Organizer
1.	Realization of single line diagram using ETAP	21-July-2024	Power Project
2.	Grid Compliance Study	25-Aug-2024	Power Project
3.	Power System Protection Summit	17 & 18 Sep-2024	OMICRON
4.	Design Methods of Inverters for EV	19-Oct 2024	IEEE-Power and Energy Society- Madras Chapter SSN-IEEE-PES
5.	Best Practices for Implementing Cyber Security Strategy for the Grid	23-Oct-2024	GE Vernova

5. Research Achievement

5.1. International Conference Publications

S. No	Title of the paper	Name of the Conference	Organizer	Month & Year	Publication
1.	Air Quality Monitoring System using Arduino	International Conference on Advanced Computing Technologies-(ICoACT-2025)	P.S.R. Engineering College Sivakasi, Tamilnadu	Mar-2025	Published in IEEE Xplore Digital Library pp. 1-6, doi: 10.1109/ICoACT63339.2025.11005322.
2.	GSM based Vehicle Theft Detection with Real Time Alerts and Engine Immobilization using Arduino	International Conference on Intelligent Computing and Control systems-(ICICCS-2026)	Nandha Engineering College, Erode, Tamilnadu	Mar-2026	Published in IEEE Xplore Digital Library pp. 380-384, doi: 10.1109/ICICCS67901.2026.11502758.

6. Additional Responsibilities held:

- ✓ **Tutor**-2022-2026 batch.
- ✓ Electrical Workshop Lab In-Charge.
- ✓ BoS Member.