

## FACULTY PROFILE

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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

### Qualification

| Degree      | Programme and Specialization         | Class /CGPA         | Month &Year of Passing | Institute/University                               |
|-------------|--------------------------------------|---------------------|------------------------|----------------------------------------------------|
| Ph.D        | Power Systems Engineering            | -                   | Pursuing<br>Jan2026    | National Engineering College/ Anna University (PT) |
| M.E./M.Tech | Power Systems Engineering            | I Class/8.0<br>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<br>O&M | Suzlon Energy Limited          | 2006-2010<br>(4 Years) | Operation and Maintenance of Wind Turbine Generator. |
| Engineer        | Sastha Engineers & Consultants | 2005-2006<br>(1 Year)  | Operation and Maintenance of 230/33 kV Substation    |
| <b>Total :</b>  |                                |                        | <b>5 Years</b>                                       |

## **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   |
| <b>Total :</b>      |                                          |            |            | <b>13 Years 1 Month</b> |

### **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.    | <b>FDP:</b> 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.  | <b>FDP:</b> 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.  | <b>Two Day Workshop</b> – Industrial Automation using PLC                                                                                                                                     | 29-Dec-14 to 30-Dec-14            | V V College of Engineering                        |
| 4.  | <b>Conference</b> -Performance Analysis of Wind Energy Conversion System                                                                                                                      | 28-03-2015                        | Arunachala College of Engineering for             |
| 5.  | <b>One Day Workshop</b> -Programmable Logic Controller                                                                                                                                        | 12-12-2016                        | V V College of Engineering,                       |
| 6.  | <b>Conference</b> – Power Management of Grid Connected Renewable Energy System                                                                                                                | 23-03-2016                        | V V College of Engineering                        |
| 7.  | <b>FDP</b> -NPTEL-AICTE- Faculty development Programme “Design thinking – A Primer”                                                                                                           | Jul-Aug-2023 (4Weeks-Online Mode) | IIT Madras <b>(Online Mode)</b>                   |
| 8.  | <b>FDP</b> -Matlab/Simulink Programming Conducted by Entho Technology Solutions India Private Limited                                                                                         | 23-Nov-23 to 24-Nov-23 (Two days) | National Engineering College                      |
| 9.  | Professional Development Programme 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. | <b>FDP</b> :Emerging Trends in Advance Power Engineering Application                                                                                                                          | 22-July 24 to 26-Jul-24           | Paavai Engineering College (Online)               |
| 11. | <b>FDP:</b> Mentoring and Counseling Skill for Teachers                                                                                                                                       | 26-Aug-24 to 30-Aug-24            | National Engineering College                      |
| 12. | <b>FDP:</b> Enhancing Teaching and research Excellence in Engineering Education                                                                                                               | 28-Sep-24-30 Sep-24               | National Engineering College                      |
| 13. | <b>FDP:</b> Emerging Technologies for Smart Grid and Green Energy Integration                                                                                                                 | 25-11-24 to 06-12-24              | NIT-Warangal (Online)                             |
| 14. | <b>Workshop:</b> Energy Storage Technologies for Micro-Grid Energy Management                                                                                                                 | 20th-21st December 2024           | NIT-Tiruchirappalli (Physical)                    |
| 15. | <b>FDP:</b> Sustainable Smart Energy Technologies                                                                                                                                             | 6-01-25 to 11-01-25               | IITDM-Kanchipuram (Online)                        |
| 16. | <b>FDP:</b> 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. | <b>GIAN:</b> Sustainable AI: Employing Machine Learning for Sustainable Technology Development                | 17th-21st Feb-2025                     | NIT-Warangal<br>(Physical Mode)      |
| 18. | <b>FDP-NPTEL-AICTE-</b> Faculty development Program me “Operation and Planning of Power distribution Systems” | Jan-Apr-2026<br>(12 Weeks-Online Mode) | IIT Guwahati<br><b>(Online Mode)</b> |
| 19. | <b>FDP:</b> Thrive as an Educator: Discover, Connect and Excel                                                | 27-Apr-26 to<br>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<br>(3 Hours )               | Power Projects                      |
| 3.    | Substation Design                                        | 02-Sep.24 to<br>02-Oct-24<br>(1 Month) | SkillDzire<br>(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<br>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.