

**Name** **D. Rajeshkumar**

Designation	Assistant Professor
Education	M.E (PhD Pursuing) Electrical Engineering PhD (Electrical Vehicle) Pursuing in VELS University,2023
Branch / Specialization	M.E Power System, 2013 B.E Electrical, 2009
Areas of Interest	Diploma,Industrial Electronic, 2004
Email	Power System, Electrical Machine,
Mobile no	Switch Gear & Protection,
Contact Address	Electrical Drives & Control and Basic Electrical Engineering. d.rajeshkumar.reddy@famt.ac.in



#### **ACHIEVEMENT:**

Secured **11th Rank in Mumbai University** as per merit and **1st Rank** in BE Electrical Engineering, S.S.P.M's college of Engineering, Kankavli.

#### **Academic** **Appointments:**

Name of the University /  
Institute/ Industry

**Finolex Academy of  
Management and  
Technology, Ratnagiri**

**04/07/23 to till date**

**Assistant Professor**

**SSPM College Of  
Engineering,Kankavli**

**13/08/2009 to 31/10/2019**

**Assistant Professor**

#### **Industrial Experience:**

**(I). SVRI Industry vendor of L&T Electrical & Automation, Coimbatore Tamilnadu**

Designation: **Production Manager**(Quality Incharge)

Experience: Two Year from Nov 2019 to Dec 2021

Roles & Responsibilities: Testing in Panel board CT Polarity test in PCC & MCC Panel in Protection CT, Measuring CT, and Class PS CT.AC & DC control Circuit testing in 3Ph module and base plate in MCC & PCC.3 Ph. Power circuit testing in Feeders output, VT module output, Lamp, Voltmeter with its VSS in all Incomers & Buscoupler.Testing of control Transformer ratings of AC 415V/110V for feeder control circuit and 415/240V for Space Heater, Illumination and Plug &Socket circuit. Interlocking wire checking in AC & DC External power supply for Bus A & Bus B.Testing of ACB Breaker Operation such as Breaker ON & OFF, Manual & Auto Trip

through TNC Switch, Relay & Spare, TNC switch and Protection Relay, Spring charged, Trip circuit Healthy, Lamp test P.B, Breaker testing in the operation of Emergency Stop P.B, ACB in test & service, Ready to close the ACB. Checking of Lock out Relay (ABB PQ8NCH2J 220V DC), Under voltage Relay(REU615 RELAY) and Protection Relay (ABB RELAY REF615).

- ☐ Testing of Hooter in tripping alarm & Buzzer in non tripping alarm in Annunciator circuit.
- ☐ Testing of Insulation by Meggering and High Voltage(HV) test on Busbar & Auxbus.

Sr	PROJECT	CUSTOMER	PANEL BOARD
1	India-Bangladesh Friendship Pipeline	Numaligarh, Engineers India Ltd	125kvar cap MCC Panel.
2	Lobs	Bharat Petroleum Corporation Ltd	PCC Extn panel for sybb662
3	HURL (Hindustan Urvarak & Rasayan Ltd), New Delhi Gorakhpur Conveyor Project	Macmet Engineering Ltd	syef708 , 709 PMCC -1 & 2
4	IOCL (Indian Oil Corporation ) Sitargang bottling plant	L&T EIAC control & Automation	PMCC 415v, 2000A, 50kA for 1sec
5	Ghatampur Thermal Power Station, Utterpradesh	NUPPLK 3x650mw Ghatampur tpp	ESP HVAC MCC-3
6	Marwar Mundwa	Ambuja Cements Ltd	Emergency power DB
7	ONGC uran cogen 1x15mw	BHEL (Bharat Heavy Electricals) Ltd EPD Bengaluru.	415V bop PMCC
8	2x500mw Durgapur Steel Thermal Power Station	L&T Power a/c dvc fgd	syxd524 mov DB, xd525 Ventilation DB
9.	Integrated Methanol and acetic acid project.	ISGEC a/c Assam Petro chemicals Ltd	220v DCDB, SYDC028
10	Vruf for visakh refinery modernization project	L&T Hydrocarbon	PC-8433, SYWF 966
11	3X660W Ghatampur Thermal Power Project.	BGR Energy Ltd.	PMCC SYME447-448

## **(II). Ramyaa Electro Gear Private Limited (Supplier & Contractor of Indian Railway & BHEL), Guindy, Chennai Tamilnadu.**

Manufacturing of Railway Control & Power Transformer, AC Coach & Hydraulic Panel, Starter battery and Driver Desk in RCF, ICF & MCF..

Designation: **Quality Engineer.**

Experience: Jan 2022 to June 2023.

Roles & Responsibilities:

Testing in Railway AC Coach & HOG Engine Panel, Driver desk, 5KVA & 60 KVA Transformer and Amalgamated Converter Transformer.

1. Visual inspection and dimensional check:

2. Winding resistance and turns ration:
3. Measurement of voltage Vector.
4. No load loss and current:
5. Insulation resistance: & di-electric test:
6. Zero-sequence impedance & short circuit impedance:
7. Acoustic noice level:
8. Induced over voltage test
9. Di – Electric Test and IR Measurement
10. Checking of Electrical Continuity
11. Verification of effectiveness of Protective circuits
12. Testing of AC supply 750V in Panel with Disconnecting & Earthing Device and MMR (measuring and monitoring Relay)

**III. Company: VIDEOCON INTERNATIONAL (INDUSTRY) LIMITED, Aurangabad (Maharashtra).**

Designation: Process Quality Control.

Experience: Two Year from 14 July 2004 to 13 August 2006

**Total Experience – 15 Years**

**Students' projects Recently Guided at Undergraduate Level**

1. Multi-objective Intelligent Energy Management for a Microgrid
2. smart grid- a case study of link and power distribution systems
3. Hierarchical control of droop-controlled AC and DC microgrids - A general approach toward standardization Control for grid-connected and intentional islanding operation of distributed power generation
4. Developing Testing Panel for Railway and Power Transformer
5. IOT based Induction Motor controlling and prtotection

**Seminars Delivered/Expert Lecture/Invited Talks/Workshops Conducted**

1. Load Flow Analysis using Newton Raphson Method in ETAP software
2. Designing and Implementation of PCB board for Residential and Commercial Application.
3. Workshop one week conducted for BE Electrical FAMT batch 23-24, Electrical Power system in Indian Railway

## Papers Published

## Papers Presented/Published in National/ International Conferences -

### International Conferences – 04

1. Presented in International Research and Journal on IACEECE held at Pune on 6th October, 2013.ISO 9001 2008
2. IEEE International conference on computation of Power and Energy, in Adhiparasakthi Engg college, the topic of Energy Audit on 28 and 29 march 2018.
3. 2018 IEEE International Conference on current trends towards converging Technology on the topic of Smart Grid communication Network organized by SVS College of Engineering, Coimbatore Tamilnadu
4. Journal of Emerging Technologies and Innovative Research ISSN:2349-5162, the topic on Development of Intelligent Condition Monitoring , Controlling and Protection of 3ph IM using PLC. ISSN E- 2348 1269

## Number of Workshops, Seminars, STTPs, FDPs, Courses, tutorials Attended –

1. workshop on PLC-SCADA training program SSPM COE on 22 to 23 march 2017.
2. STTP on Advance Digital signal processing during 26 -30 Dec 2011in SSPM COE Kankavli.
3. One week Intensive Workshop on MATLAB Simulink in ADCET, Ashta.
4. One week STTP from 9th - 13th October, 2023 "Battery Management in EV-Integrated Microgrids for Sustainable Power Solutions (BMEVIM)"
5. One week STTP from 21st to 26th August, 2023 "ELECTRIC VEHICLE POWERTRAIN DESIGN AND BATTERY MANAGEMENT SYSTEMS (EVPDBMS) – CHALLENGES AND SOLUTIONS"
6. Two days workshop on MATLAB and Hardware interfacing 12 &13 Jan 2024 in FAMT,Ratnagiri

## Professional Membership

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## Exam Duties

1. Worked as Senior Supervisor for First Half of 2018 Examination, University of Mumbai.
2. Worked in Central paper generation committee and as a departmental coordinator for Winter 2019 exam conducted by University of Mumbai.
3. Carried out exam related duties such as **Paper Setter, Moderator, Examiner and External Examiner** for conducting theory, practical and oral exam as appointed by Board of Examination, Mumbai University

## Other Experience

### College/Department Level Committees/Responsibilities

1. Coordinator for workshop KSHIDIJ SSPM College of Engg
2. Department Project Coordinator for AY 2012-19.
3. Working as Mentor for the Team of 40 Students SSPM College of Engg
4. Working as EESA (electrical engineering student's association) Faculty in-charge AY 2011-19.
5. Working as a department coordinator for NAAC Criteria 2 committee and Student Association activities SSPM College of Engg

6. Working as a Member of Admission Perant Counselling Committee for engineering Admission.
7. Working as a Member of E-magazine Committee of college
8. Working as a Department Library Incharge in SSPM College of Engg
9. Worked as departmental organizing committee member National Conference in SSPM College of Engg
10. College Campus Electrical maintenance in-Charge SSPM College of Engg

### Subjects Taught

Sr. No.	Name of the Subject	Year/Branch/Semester	Experience (Years)
1.	Power system operation and control	B.E. ELECT (Sem - VIII)	5
2.	Drives and Control	B.E. ELECT (Sem - VIII)	10
3.	Power System Analysis	T.E. ELECT (Sem - V)	6
4.	High Voltage DC Transmission	B.E. ELECT (Sem - VII)	1
5.	Electrical Measurement and Measuring Instrument	S.E. elect (Sem - IV)	3
6.	Basic Electrical and Electronics Engineering	F. E. ALL BRANCHES (Sem - I)	2
7.	Electrical Workshop	S.E. ELECT (Sem - III)	2
8.	Electrical Machine 1	S.E. ELECT (Sem - III)	2
9.	Electrical Machine 2	T.E. ELECT (Sem - V)	-
10.	Electrical Machine 3	T.E. ELECT (Sem - VI)	3

### Use of Teaching-learning methodologies

1. Hardware based Course projects are given to students to impart project-based learning
2. Field visits arranged for practical understanding
3. Showing actual hardware components/circuits at the time of teaching
4. Showing some concepts using MATLAB simulations and ETAP Power Analyzer.

Other Responsibility in FAMT Engineering college

### Academic year 2023-24

1. Member of NAAC Criteria 7
2. Member of NBA Criteria 3

3. Institute Coordinator for MATLAB workshop
4. Department Expert lecturer for Rajiwada Tech school Ratnagiri(Admission related work in FAMT)
5. MATLAB Workshop arranged from Design Tech Engineering, Pune on 12 &13 Jan2024
6. Practical demo conducted to 12<sup>th</sup> standard student of various college.
7. One week workshop is conducted to BE Electrical student on Indian Railway Electrical System from 01/08/2023 to 07/08/2023
8. Workshop conducted for BE Electrical students for Major Project and Industrial Project management.
9. ONRAMP Matlab workshop arranged and conducted to BE Electrical students on 05 Feb 2024.
10. Workshop conducted on L&T LV Panel manufacturing and its production process to BE student on 12 Feb 2024.

### Summary

<b>International Journals</b>	<b>Unpaid</b>	<b>2</b>
	<b>Paid</b>	<b>nill</b>
<b>National Journals</b>	<b>Unpaid</b>	<b>nill</b>
	<b>Paid</b>	<b>nill</b>
<b>Conferences</b>	<b>International</b>	<b>2</b>
	<b>National</b>	<b>nill</b>
<b>Number of STTP's attended</b>		
<b>Number of 1 Week Workshops attended</b>		<b>6</b>
<b>Number of Seminars / Webinars attended</b>		<b>nill</b>
<b>Number of Certification / Refresher Courses attended</b>		<b>nill</b>
<b>Resource Person Contribution</b>	<b>Technical Talks / Seminars / Lectures, etc</b>	<b>nill</b>

	<b>Outreach Programs / Social Programs / Extensions, etc</b>	<b>null</b>
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