

GIRIGOVIND S

ELECTRICAL AND ELECTRONICS ENGINEER

KERALA, INDIA

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PROFILE SUMMARY

Detailed-oriented Electrical and Instrumentation Engineer with a combined academic background in Electrical & Electronics Engineering (B.Tech), Industrial Instrumentation & Control (M.Tech), and Operations & Management (MBA). Experienced in operations and maintenance engineering, electrical supervision, plant maintenance, and techno-commercial management across hydroelectric, telecom, manufacturing, and solar energy sectors. Proficient in electrical system design, control systems, preventive maintenance, electronics repair, and basic PLC and AutoCAD. Strong skills in project management, critical thinking, and problem-solving. Certified with a Class A Electrical Supervisor License.

PROFESSIONAL SKILL

Project Management	Communication
Self-motivated	Time management
Critical Thinking	Computer Skills
Active Learning	
Problem Solving	

TECHNICAL SKILL

Electrical Design	Soldering
Electrical Schematics	Circuit Design
Electrical Measurements	PCB repair
Operational Plants	C/C++ Basics
Control System	MATLAB
Preventative Maintenance	PLC/AutoCAD Basics

EDUCATION

Master of Business Administration

2023 - Present

Operations and Management

Asian International University, Manipur

Master of Technology

Industrial Instrumentation and Control

2021 - 2023

APJ Abdul Kalam Technological University, Kerala

Project: Optimized Multisource EV charging station with voltage sag control

Bachelor of Technology

2013 - 2017

Electrical and Electronics Engineering

University of Kerala

Project: Automatic power factor control using thyristor

WORK EXPERIENCE

Manager – Techno-Commercial

March, 2025 - June 2025

Terraform Energy Private Limited (Assigned to FERT Solar, Kollam)

- Led technical support operations for solar inverter systems (string & central), reducing downtime by 30%.
- Diagnosed and repaired inverter faults down to PCB level using oscilloscopes, multimeters, and diagnostic software.
- Coordinated between technical and sales teams to develop cost-effective proposals and technical offers.
- Managed vendor relationships and procurement of electrical and electronic components.
- Supervised installation, commissioning, and O&M of rooftop and ground-mounted solar systems.
- Delivered training to service technicians on electrical fault-finding and repair protocols.
- Monitored warranty claims and executed preventive maintenance schedules.

Executive – Production Maintenance

October, 2023 - March, 2025

Terumo Penpol Private Limited, Trivandrum

- Conducted preventive and corrective maintenance on extrusion, molding, and conveyor machines, ensuring minimal downtime.
- Troubleshoot mechanical, electrical, and hydraulic issues in sheet and tube extruders, sterilization, and sealing machines.

- ◆ Ensuring continuous utility support to production activities Breakdown analysis & improvements.
- ◆ Support for implementing new projects / developmental activities.
- ◆ Effective Manpower management, including internal and external work force.
- ◆ Maintained compliance with safety and operational standards, reducing workplace incidents.
- ◆ Managed spare parts inventory and coordinated procurement to avoid delays in maintenance activities.
- ◆ Support to Budget control and Cost improvement projects.
- ◆ Maintain service records and documentation of services provided.

Electrical Supervisor

August 2019 - October 2023

GENS Private Limited, Network 18 Media, Trivandrum

- ◆ Inspecting facilities periodically to determine problems and necessary maintenance.
- ◆ Preparing weekly and monthly maintenance schedules and allocate work recruiting, supervising, and training the technicians.
- ◆ Instruct less experienced technicians on troubleshooting system failures.
- ◆ Monitored safety compliance to maintain strict standards and protect team members from harm.
- ◆ Practiced safe lockout-tagout procedures to prevent injury to personnel during maintenance procedures.
- ◆ Testing and service of three phase ups systems.
- ◆ Troubleshoot and repaired generator sets including mechanical, electrical and networking issues.
- ◆ Use computer software to control VRF for air-conditioning systems.
- ◆ Maintain service records and documentation of services provided.
- ◆ Provided on-call electrical support, covering emergency issues efficiently outside standard business hours.

Operations and Maintenance Engineer

April 2017 - April 2018

Aliyaar Mini Hydro Electric Power Plant, Pollachi, Tamil Nadu

- ◆ Inspected transformers, generators, circuit breakers and associated components with due care and diligence, delivering safe, quality results.
- ◆ Organize installation, maintenance, and testing to assure confirmation with specifications.
- ◆ Maintained and updated pressure / temperature records and log sheets.
- ◆ Identified and reported abnormalities to the Asst. Engineer for timely corrective actions.
- ◆ Efficiently executed shutdowns for planned maintenance.
- ◆ Maintained plant cleanliness and complete general housekeeping tasks to keep operations audit ready.

CERTIFICATION

Kerala State Electrical Inspectorate CLASS 'A' ELECTRICAL SUPERVISOR Permit License

- ◆ Design electrical distribution system (HT and LT) up to 1000 KVA installations for any given project both externally (Infrastructure design works) and internally.
- ◆ Performed/conducting inspections, testing and commissioning of low voltage electrical system.
- ◆ Maintaining a clear and workable relationship among a web of people that may include the client, architect, other project consultants, contractor, Suppliers and Authority/Regulatory bodies.