

# MANIKUMAR M

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📍 Coimbatore, India 642110

With a strong background in electrical engineering, extensive hands-on experience and a deep understanding of Electrical performance diagnostics, I am confident in my ability to contribute effectively to your engineering team and ensure the highest standards of quality and performance of your products. To seek and maintain full-time position that offers professional challenges utilizing interpersonal skills, excellent time management and problem-solving skills. Electrical Engineer familiar with all major engineering standards associated with electrical components.

## SKILLS

- Good understanding of Electrical Drawings, Planning of Projects, Erection & Maintenance.
- Both practical as well as theoretical knowledge of Different Electrical Instruments.
- Working more efficiently and productively so that maximum output comes.
- Product Testing, Team Leadership, Staff Management, Electrical Engineering Standards

## EXPERIENCE

12/2022 - Current     **ELECTRICAL ENGINEER - LAKSHMI ELECTRICAL DRIVES LTD, Coimbatore, TAMILNADU.**

- Motor testing (squirrel cage induction motor) as per specification is 12615:2018 & IEC/EN 60034-1
- Handling Variable Frequency Drive (Danfoss)
- Validating the current design and performance of the motor w.r.t to all models.
- Problem solving by finding RCA and 8D report (CAPA) for Customer complaints.
- Analyzing customer complaints by 5W and 3H basis.
- New product development - IE4 and IE6 Class Energy Efficient induction motor's & Reluctance motors.
- Preparing Control plan and SOP for concern department.
- Handling Testing team and plan shift and schedule and work allotment based on FIFO.
- Knowledge in Electrical panel.
- Preparing the **CAPEX** document for new Test bed and Developing new Fixtures for product testing.
- Knowledge in SAP- HANA. Ability to use the SAP software suite to solve problems. Performing various operations in Testing Related process and maintaining records.
- Calibrated and repaired existing systems to maintain functionality.
- Inspected and performed validation testing for designed systems and third-party installations.
- Identified specific cables, fuses and circuit breakers required for assigned installations.
- Evaluated project scope to estimate costs and set timelines for project delivery.
- Improved methods for measurement, documentation, and work flow management.

- 09/2018 - 12/2022**     *Jr. Engineer-Testing, **ELGI ELECTRIC INDUSTRIES Ltd, Coimbatore, India***
- AC motor's and DC motor's testing
  - Checking DC motor's Armature, Field and Interpole coils and AC motor stator's windings
  - Supervised a team of electricians responsible for all motor's and responded to provide technical assistance to electrical equipment problems within the company-owned facilities
  - The ability to work well under pressure and motivation to work extra hours when necessary  
Guided, trained, and developed the field electrical and instrumentation personnel
  - Worked in External inspection -Railway inspection - RDSO.
  - Proposed electrical product and system modifications to improve quality and efficiency.
- 03/2015 - 03/2016**     *Graduate Engineers Trainee- **VIRGO ENGINEERS LIMITED, Coimbatore, TAMILNADU***
- Following predicts, preventive and breakdown maintenance of machines
  - Responsible for all aspects of underground work including cable pulling, installing instruments & threaded rod, tray, ladder rack, small power and lighting, terminating
  - Diagnose malfunctioning systems, equipment, and electrical parts and to identify the cause of breakdown and fix the problems.

## **EDUCATION**

- DR.NGP INSTITUTE OF TECHNOLOGY - B.E Electrical and Electronics Engineering-6.24 2014
- P.K.D MATRIC HR SEC SCHOOLHSC - Computer science 68.83 - 2010
- SUBASH VIDHYA MANDIR SCHOOL - SSLC – Mathematics 73.8 2008

## **ADDITIONAL INFORMATION - CERTIFICATIONS**

### **BIS CERTIFICATION**

- Maintaining the BIS portal and following the proper data of production value for the financial year.
- BIS Audit External inspection will be conducted and Renewal of BIS License of the company will be followed.

### **CE CERTIFICATION**

- Acquiring CE certification for the motors by External inspection.
- External inspection – TUV NORD.
- Following all the parameters by International Standards and conformity of the Requirements.

## **DISCLAIMER**

I hereby declare that above information is true to best of my knowledge and belief.

Place: Coimbatore

Sign: Manikumar.M