Muzammil Ahmed

Email: muzmmila337@gmail.com

Phone: 0332-2474155

House No N-3878 Metro Ville 3, Block -1 Scheme 33 Karachi, Pakistan

Objective:

Seeking employment opportunity in an Industrial firm as an Electrical & Instrumentation Engineer.

Work Experience

PLASTECH AUTOSAFE PVT LTD *(An automobile parts manufacturing company)*

Electrical / Electronics Engineer — Oct 2020 - Currently Employed

Job Description:

- Hands on working experience over Injection Molding machines, Rapid Cooling conveyor and closure testing system, Printing Machines, Industrial over Head Crane (Demag) and Servo Systems.
- Performed planned and breakdown maintenance in well-organized manner with the team and prepared check lists accordingly.
- Prepared equipment availability parts list and maintained spares of machinery by coordinating with the suppliers.
- Testing and repairing of electronics equipment's.(Temperature controllers, Power supplies, Motor Controllers, Buck Converters, Battery Chargers and Machine I/O's cards).
- Performed **PLC** and **HMI** programming. (Delta, Fatek and Allen Bradley Controllers).
- Followed and implemented **Kaizen** and **5S** at work place.
- Coordinate with vendors for plant maintenance and up gradation.
- Compliance with Electric Standards and maintain Safety.

Project:

- Act as a Project Lead for Installation and Commissioning of Plant Energy (Voltage, Current/ Power), Process Variables (**Temperature and Pressure**) and Generators real time parameters monitoring system by coordinating and working with the vendors.

Electrical Maintenance Engineer — Sept 2019 – Sept 2020

Indus (Deer) pencil Industries Pvt ltd

- Electrical Maintenance and troubleshooting of Molding, Printing and Packaging and extruder machines.
- Interpreting engineering drawings, technical manuals and specifications of sensors and electronics equipment's.
- Installation, programming and troubleshooting of electronic equipment's including

PLC's,**Variable Frequency and Servo Drives**. (Danfoos, Schneider Electric and OMRON).

- Responsible for utility system preventive maintenance and operations including Compressors, Chillers and Gas Generators.
- Proposed Project for Power Factor correction.

Electronics Design Engineer

Jan 2018- April 2019

Robotics labs pvt ltd

- Designed Health Monitoring systems for Electrical Machines. (Thermal Imaging).
- Programmed & Designed electronic controller projects for robotic activities.
- Led the Robotics based project successfully for the client and provide technical presentations to the members.

Internship

Aquagen pvt ltd (6MW Power Plant)

2 Month

- Worked on Jenbacher J320 (Lean Burn) Gas Engines.
- Electrical Power Calculations, Synchronization, P&ID of Cooling water system, Spark plugs, Air and Oil Filters replacements, Heat Exchangers and Engines Manuals

Education

- **BE Electrical Engineering** **2013-2017**
  NUST (National University of Sciences and Technology)
  Karachi Pakistan
- **FSC** **2011-2013**
  Bahria College
- **Matric** **2009-2011**
  Model School

Skills

- **PLC Programming** for Packaging and Process Manufacturing Machines.
- Electrical Diagrams for Machines using **AUTOCAD**
- Electric Power System Analysis using **ETAP / Electric Power Transient**
- Motor Control Algorithms for specific applications.(HIGH Speed / High Torque etc.)
- Electronics Circuit Design using **Multisim**.
- **Generators and Load Study** (Corrective and Preventive Maintenance of Gas Generators) (Voltage Drop, Power Factor, Leading and Lagging load, Electric Power and Synchronization)