

# MUHAMMAD SALEEM

House # G1, Al-Falah Housing Projects, Malir, Halt, Karachi, Pakistan

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## Career Objective

To resume my career in a prestigious & esteemed organization where my education capabilities, creative Ideas, professional and personal skills are best utilized along with the goals of the organization.

## Experience

(Agha Steel Industries, Karachi, Pakistan)

(January 2017- To-date)

### Electrical & Instrument Engineer (Melt-Shop)

#### Responsibilities.

- In Charge Water Treatment Plants, Ensure protection & Preventive Maintenance of Motors & Transformers, Controlling and troubleshooting of their circuits, EOCR, Relays, Temp Controllers, RTDs, Thermocouples, proximity sensors, limit switches etc.
- General Electrical Team In Charge; Lead daily activities and report to HOD.
- SAP Representatnd coordinate with warehouse & procurement department and deal with vendors for procuring inventory required; make sheets on excel and follow up/update.
- Online Basic Troubleshooting of PLC, troubleshooting of electrical/instrument faults with shift team through drawing to assist in smooth production.
- Completely lead the shift in absence of any Shift Engineer on day or at night.

### Electrical Engineer (Grid Station)

#### Responsibilities.

- Supervise Trainee Engineers & Technicians; Ensure Plant Need Base Energy Management (**NBEM**) to manage load and maintain plant MDI and PF.
- Testing, Operation, Maintenance of **Siemens** Power Transformers & troubleshooting of their Protection & Auxiliary control Panels.
- Make Items PRs & Reservation on **SAP/ERP**; Make **BOQs**, Deal with Procurement/Warehouse Departments effectively & Provide Items to our Department.
- Operation, Maintenance and Protection of **Siemens** Protection & Differential Relays.
- Operation, Testing, Protection & troubleshooting of **Siemens** VCB & SF6 Breakers.

### Trainee Engineer (Grid Station)

- To calculate, analyze and manage daily/Monthly energy consumption.
- To calculate Monthly billing of electricity imported from K.E & gas supplied by SSGC
- Operation & Maintenance of Siemens Energy panels installed at substation, 11MVAR Harmonic Filter system.
- Have knowledge of 40 tones EAF, LRF, CCM, Reheating Furnace, rolling Mill and ASU plant.
- Maintenance & Testing of 220V DC Batteries Bank.
- Have sound knowledge of Generation, Transmission, Distribution and Protection of electricity.

### Math's Instructor

(Ghulaman-e-Abbas School, Karachi, Pakistan)

(Apr 2016 - Dec 2016)

#### Responsibilities.

To teach Mathematics by making lesson plans, supervise Research & Projects; organize events

### Math's Coordinator

(The Learning Academy, Gilgit, Pakistan)

(Feb 2015 - Dec 2015)

#### Responsibilities.

- To supervise instructors; to teach mathematics and supervise projects carried out by students.

## **Internee Electrical Engineer**

(Wapda Hydal Training Centre Mangla)

(4 weeks)

## **Final Year Project**

### **Title: AMR SCHEME FOR ENERGY THEFT PROTECTION THROUGH PLC**

An effective technique of Power Theft Detection and Protection using Automated Meter Reading accompanied with Power line Communication system. This technique is more economical, reliable and simple than other traditional and alternate ones. And implementation of this project on large scale may surely reduce electrical power theft.

### **Education**

**B.Sc. Electrical Engineering (PEC Registered)                      2014                      CGPA 3.90**  
**Mirpur University of Science & Technology (MUST), Mirpur AJ&K.**

**Intermediate (Pre-Engineering HSSC)                      2010                      A+ Grade (84%)**  
**Uswa College Islamabad (FBISE Islamabad)**

**Matric (Science SSC)                      2008                      A+ Grade (83.88%)**  
**Uswa College Islamabad (FBISE Islamabad)**

### **Technical Skills**

- **Computer Proficiency**                      :Have a good command over MS Office, MS Excel and PowerPoint
- **Operating Systems**                      :Window XP, Window 7, Windows 8, Windows 10,
- **Software Used**                      :LT-Spice, Proteus Professional, Multism, Workbench, Livewire, SAP,ERP, PLC Basic
- **Programming Languages** :C language, C++, ,Java, MATLAB(Basics)

### **Area of Interest**

Electrical Engineering, Power Electronics Engineering, Electric power System and its Automation, Energy Management, Project Management, Smart Grid System,

### **Achievements:**

1. Managed and led a cross-functional team that reduced the motors failure and losses to 90% at water complexes and hydraulic systems (more than 40 Inductions motors ranging from 2.2KW to 160KW), by proper and effective preventive maintenance, troubleshooting and protective measures.
2. Installation and commissioning of 5MVAR Harmonic Filter in collaboration with GIS Team.
3. Designed and executed a 2MVAR capacitor bank and installed parallel to feeders which reduced losses resulting in system PF improvement i.e. saved company of low PF Penalty by KE.
4. Used Excel sheet to develop inventory and Product Requisitions tracking sheet.

### **Personal Details**

Father's Name : Muhammad Ali

Date of Birth : 3<sup>rd</sup> February 1991