

# ELECTRICAL ENGINEER

## MUHAMMAD MUNEEB

Chak # 90 R.B chitti, Tehsil. Jaranwala,  
District. Faisalabad.

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### OBJECTIVE

To work as an employee in a prestigious organization that warrants an Opportunity not only to learn but also to demonstrate skills acquired over the course of my professional studies. I am an enthusiastic, reliable, ambitious and a good communicator, which enforces me to work on my own initiative individually and as part of a team.

### PERSONAL INFORMATION

Name	Muhammad Muneeb
Father's Name	Muhammad Arshad
Date of Birth	Oct 15, 1995
C.N.I.C	33104-1266178-5
Domicile	Punjab
Marital Status	Single

### QUALIFICATION

Sr#	Board / University	Marks / Cgpa	%age	Passing Year
1.	B. SC in Electrical Engineering University of Engineering and Technology Lahore	2.950/4	74%	2013 – 2017
2.	F. SC (pre-engineering) Punjab College Of Science Faisalabad	959/1100	87%	2010 – 2012
3.	Matriculation Govt. High School No.1 Shahkot	964/1050	92%	2008 - 2010

### MAJOR COURSES

Basic electric circuits	Power system transmission
Signals and Systems	Electrical machines
Power Control Systems	Power system operation and control
Power system protection	Power plant theory

## **TERM PROJECTS**

- Regulated Power Supply of 12 volts.
- H Bridge circuit to control the direction of dc motor.
- Audio amplifier using OP AMP.
- Radar system.

## **FINAL PROJECT**

### **Self Transforming Robot**

#### **Project Synopsis:**

Robotics have become very useful in many electrical industries. Many tasks can be performed by robotics in industries now a days. Self transforming robot can transform itself into various shapes according to the hurdles came across in its path such as to pass through a narrow space, to overcome an inclined surface, to overcome a height, to crawl on irregular surface just like soldier.

## **MANAGEMENT EXPERTISE**

- Excellent Problem solving and Planning skills
- Negotiating and convincing skills
- Quick learning and adaptability
- Persuasion, influence, and flexibility with win-win mentality
- Good relationship building skills

## **PROFESSIONAL EXPERTISE**

- 4 weeks internship in Sitara Energy Ltd shaikhupura road Faisalabad.
- Attended various workshops regarding Machine design and electronics.
- Tours to Heavy Industries, Nandi Pur Grid station
- Internee Electrical Engineer at sitara chemical industries (pvt) Ltd.

## **FIELD EXPERTISE**

### **INRERNSHIP AT SITARA ENERGY Ltd**

**(01/08/16 to 31/8/16)**

Sitara Energy Ltd. Faisalabad is a power plant with 84 MW generation capacity . It comprises of PLC based 8 x 5.96 MW HFO operated Niigata Japan diesel generator sets, 12 x 1.95 MW Natural Gas operated Caterpillar, 4 x 2.95 MW Gas operated Jenbacher and 2 x 955 KW Gas operated Guascor engines. It also comprises of waste heat recovery system with 10 units water tube boiler having capacity of 2.5 tons/hours each and 3 units fire tube boiler made by DDFC, 3.7 tons/hours each

- Analyses routine activities & faults in order to improve performance of power plant- Conducted testing & calibration of instruments i.e. Protection relays, energy meters and etc. .
- Supervision of technicians in the installation, inspection, maintenance, modification testing, investigation and troubleshooting areas of power plant-
- Good amount of experience in installation and maintenance of Power Transformers. (VCB Trolleys), Motors, maintenance of control Sources, C.Ts, and P.Ts.

## **SITARA CHEMICAL INDUSTRIES Ltd**

**(November-2017 to Present)**

SCIL was incorporated in 1981 and began producing caustic soda in 1985, initially at a rate of 30 metric tons Caustic a day. The plant's capacity was gradually increased over years to current level of 610 metric tons a day. In addition, various by-product facilities have been added and expanded from time to time to cope with growing demand. Company entered into Textile Spinning Business in 1995. Its specialty chemicals and export division was established in 2001 and agri chemicals division in 2003.

- Maintenance and troubleshooting of **Utilities** and **Grid station** area.
- Supervise and monitor preventive/breakdown maintenance of **MV/LV** distribution system and **Motor Control Centers (MCCs)** for a range of motors from LV up to **92KW** and medium range up to **280KW**.
- Hands on experience of troubleshooting and preventive maintenance of **110V DC Battery Charger, Battery Bank**.
- Working experience of different type of **Motor Starter** ( DOL starter , star delta starter, DCS control starters )
- Working experience of **VFDs** like ABB ACS800, SIEMENS, LS inverters.
- Practical knowledge of Grid station (using 20/26 MVA, 132/11KV & 11/440KV Transformers, CTs, PTs, SF6 breakers).
- Overhauling maintenance of **ON Load tap changers**, make PEL of 20/26MVA power transformers.
- Calculation of **Capacitance of Capacitor Bank** for the available reactive load to improve power factor.
- Practical experience of **Protection Relays** SIEMENS 7UT61, MICOM P121, P124, P127 for fault protection i.e over current, earth fault, short circuit, over heat.
- Calculation of **Cable size and Voltage drops** for different loads of new Installations.
- Maintenance, Operation & Troubleshooting of **132kV** Grid station i.e. Current Transformers, Potential Transformers and SF6 Circuit Breakers.
- Worked on Protection Relays for Transformer and **132kV** Transmissionlines.

## **SKILLS**

### **Languages**

- C
- MATLAB

### **Software's**

- AUTOCAD
- Proteous

### **Computer Skills**

- Microsoft office.

### **Communications Skills**

- Self-motivated and enthusiastic hard worker & motivated team player
- Believe in bottom to top carrier growth.
- Can take orders and meet deadlines.
- Good inter-personal and communication skills.

## **REFERENCES**

References will be furnished on demand.

