

# Naveed Akhtar

Electrical Engineer

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## OBJECTIVE:

Highly interested to be a part of a growth oriented company as an electrical engineer, aims to explore the working environment of the company.

## ACADEMICS:

<b>B.Sc. Electrical Engineering:</b> University of Engineering & Technology, Lahore	<b>CGPA 3.875/4.0</b>	<b>2012-2016</b>
<b>F.Sc. Pre-Engineering:</b> Govt Science College, Faisalabad (Faisalabad Board)	<b>Percentage 92%</b>	<b>2010-2012</b>
<b>Matriculation:</b> Govt High School 84 JB, Faisalabad (Faisalabad board)	<b>Percentage 89%</b>	<b>2008-2010</b>

## PROFESSIONAL EXPERIENCE:

### Fauji Fertilizer Company limited (FFC)

Oct 2016 to Oct 2017

- ✓ Got on the job training at plant site.
- ✓ Worked on the planning and execution of maintenance jobs of medium and low voltage switchgears.
- ✓ Trouble shooting and emergency handling during problems in Electrical system.
- ✓ Worked on programming and testing of protection relays.
- ✓ Familiarization with SAP (Systems, Applications and Products).

### 220 kV Grid Station Faisalabad (NTDC)

2 weeks Summer Internship, 2014

- ✓ Completed two weeks training as an intern in NTDC where I visited the control room and understood different relaying and protection schemes of bus-bars and transmission lines.
- ✓ Understood different bus bar schemes and single line diagram of grid station and the testing of circuit breaker.

### Steam Power Station (GENCO), Faisalabad

4 weeks Summer Internship, 2014

- ✓ Completed one month training as an intern in Steam Power Station.
- ✓ Got briefings on working of generators, their control and on-job trainings.

### Workshop on Root Cause Analysis

- ✓ Participated in 2 days workshop on Root Cause Analysis at FFC-MM.

## SEMESTER PROJECTS:

- ✓ **ELECTRIC CAR | FINAL YEAR PROJECT | UET LAHORE | 2015-2016**  
Working on speed control of three phase induction motor and its gate drive (VFD) using space vector modulation which is more accurate, cost-efficient, energy saving and faster in response than traditional motor drives.
- ✓ **SINGLE PHASE AND THREE PHASE INVERTER | PEL LAB | UET LAHORE | JAN 2016**  
Designed single phase inverter and three phase inverter as lab project in Power Electronics Lab and worked on different inverting techniques including 180° conduction, 120° conduction, PWM and sine PWM etc
- ✓ **LIGHT FOLLOWER | CONTROL SYSTEMS | UET LAHORE | MAY 2015**  
Designed, documented and constructed a light following robot that follows the light and rotates 360° to find the maximum light and may be used in solar panel applications.
- ✓ **DUAL DC POWER SUPPLY | SEMICONDUCTOR DEVICES | UET LAHORE | APRIL 2013**

## CO-CURRICULAR ACTIVITIES:

- ✓ Member of PSWO (Pakistan Student Welfare Organization) UET Lahore.
- ✓ Working member of (IEEE), UET Lahore where I organized different events like speed wiring, embedded system workshop etc.

## ACHIEVEMENTS:

- ✓ Received three gold medals for being the topper in electrical department of UET.
- ✓ Fast Excellence award holder (PKR 100,000).
- ✓ Presented our final year project in Lebanon and got 2<sup>nd</sup> position in worldwide competition organized by National Instruments.
- ✓ Participated in Xtreme Programming Competition arranged by IEEE UET and stood among top 10 teams.
- ✓ First position in Faisalabad District in Seerat quiz competition (Islamiyat).
- ✓ Merit Scholarship from Government of Punjab for 4 years.

## COMPUTER PROFICIENCY:

- ✓ Proteus ISIS and ARES, MATLAB, Power World Simulator, Labview, Multisim, WinSpice, Eclipse, Omicron.
- ✓ Microcontroller ARM programming (C), java, C++, NI myRIO, Keil uVision, MS Office, LaTeX, mySQL.