

## Hammad Ali Zafar

### PERSONAL PARTICULAR

<b>Father's Name</b>	Arif Zafar	<b>Address</b>	Dar-us-Salam Housing Society
<b>Date of Birth</b>	04-03-1995		Bhimber Road, Gujrat
<b>Nationality</b>	Pakistani	<b>Mobile No</b>	0346-9725568
<b>Marital Status</b>	Single	<b>E-mail Address</b>	hamad.zafar95@gmail.com



### AREA OF INTEREST

**Technical:** Technical Services, Facilities, Operation, Maintenance, Protection and Control of equipment.

**Non-Technical:** Management, Project Planning.

### EDUCATION BACKGROUND

<b>2014-2018</b>	<b>Bachelor of Science in Electrical (Specialization in Power) Engineering</b> COMSATS University, Abbottabad (Duly accredited by HEC & PEC) Current CGPA: 3.27/ 4.0 Percentage: 79.89%
<b>2011-2013</b>	<b>Pre-Engineering</b> Govt. Zamindar Post Graduate College Bhimber Road, Gujrat Percentage: 77%
<b>2009-2011</b>	<b>Matriculation</b> Municipal Model High School (For Boys), Gujrat Percentage: 92.28%

### EXPERIENCE

#### **Water and Power Development Authority (WAPDA), Gujrat** **(INTERN) February 2016 (3 weeks)**

Introduction of Power Equipment in grid station

- Annually maintenance of Switch Yard
- Learnt about different types of:
  - a) Different protection scheme of transformers
  - b) Layout diagram scheme for fault diagnose at SWITCH Yard
  - c) different scheme of protection of power equipment
- Understanding of HSE (Health Safety and Environment) standards and codes, and observing these standards while executing daily activities.
- Develop a firm knowledge of ICE standards of instrument installation

**Pak Elektron Limited (PEL), Lahore**  
**(INTERN) August 2017 (4 weeks)**

**Introduction of Switch Gear**

- Learn about different types of:
  - a) Circuit breakers like (LV, MV and HV)
  - b) Protection relays
  - c) CT's and PT's
- Understanding of HSE (Health Safety and Environment) standards and codes, and observing these standards while executing daily activities.

**RELEVANT COURSES TAKEN**

**Core Courses**

- Power System Protection
- Power System Operation and Control
- Power Distribution and Utilization
- Power System Generation
- Power System Transmission
- Control System
- Electric Circuit Analysis
- Electronics
- Digital Logic Design
- Introduction to Computer Programming
- Signals & Systems

**General Engineering Courses**

- Calculus
- Linear Algebra
- Ordinary Differential Equation
- Engineering Drawing
- Engineering Mechanics & Thermodynamics
- Electromagnetic Theory
- Probability Methods in Engineering

**Language Courses**

- Project Planning and Management
- Professional Communications Skills
- English Comprehension & Composition
- English: Technical & Professional Writing

**FINAL YEAR PROJECT**

**“Monitoring and Protection of Power System using Phasor Measurement Unit (PMU)”**

- Measurement of phase as well as magnitude
- Time Synchronization
- Speedy
- Feasible against all type of three phase faults

**LANGUAGE**

Language	Proficiency	Description
English	Very Good	Written & Spoken
Urdu	Very Good	Written & Spoken

**SKILLS & INTERESTS**

- Protection and Control, Operation, Management
- Communications skills from Nikon Academy
- Capable in handling: Microsoft Office, C++, MATLAB, Proteus, AutoCad
- Traveling, Net Browsing, Books Reading

## EXTRACURRICULAR ACTIVITIES

- Cricket player, and play as All-rounder in the team of COMSATS Abbottabad.
- Net surfing and searching Automation Engineering related computer software.

## PERSONAL TRAITS

I am an Electrical (Power) Engineering student. I am always ready to expand and widen my knowledge. I am very much committed to my work and very particular in finishing my work before deadline. I have very good communication skills, which had formulated to be an effective problem-solving ability and analysis skills to find solutions.

## ACHIEVEMENTS

- **Position Holder** in co-curricular activities on District level.
- **Organizing team member** in IEEE Student Branch COMSATS Abbottabad.
- **Organizing team member** in CLS Student Branch COMSATS Abbottabad.
- **Chief Media Coordinator of JZT** in COMSATS Abbottabad.

## REFEREES

Will be furnished on requirement.