

## *Sidra Usman*

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### **Electrical Engineer**

Well structured, aspect oriented and personality provoked. Highly motivated in building a career in engineering profession. Possessing in-depth knowledge of the subject. Currently looking for an opportunity in a reputed organization which will help me deliver my best and upgrade my skills in engineering.

#### **Summary:**

- Proficient in using Proteus, MATLAB & AutoCAD.
- SCADA, Multisim, OrCAD, Kep-Server.
- Strong Command in MS Office.
- Excellent explanation skill & ability to analyze the circuit.

#### **Education:**

##### **BSc in Electrical Eng., UET Taxila, 2017- 2021**

- Activities and Societies
  - IEEE (Institute of Electrical & Electronics Engineering)
  - ASME (American Society of Mechanical Engineers)
- CGPA is 3.2

##### **FSc in Pre-Eng., FG Post Graduate College Wah Cantt, 2015-2017**

- Scored 953/1100
- Awarded an A1 grade.

##### **Matric in Science, Sir Syed College Wah Cantt, 2013-2015**

- Scored 985/ 1050
- Awarded an A1 grade.

#### **Experience:**

##### **Internee, IESCO, Islamabad, 4 Weeks**

- 2 weeks at SS & TL Division.
  - Learn about grid equipment's (Transformers, CT, PT, Lightning arresters, Control Room etc.)
- 2 weeks at P & I Division.
  - Did different tests like Open, Short. Polarity Test etc.

**Project:** **Iot Based Monitoring & Controlling of 3 phase Induction motor using SCADA.**

- Final year project (5th October 2020 - 11th July 2021).
- This was my final year project in the domain of the Internet of Thing and Power control. It used SCADA for motor monitoring and controlling. It used different serves like Kip-server or online server to get information from SCADA and MATLAB. With the help of all these we de-centralized the motor speed control mechanism. So, motor speed is controlled and monitored using mobile phone application in our phones.

**Certifications:** **Energy Production Distribution & Safety, Coursera, 21<sup>st</sup> Oct 2020**

In this I learned four courses

- Electric Power System
- Natural Gas
- Safety in the Utility Industry
- Energy the enterprise.

**PLC, Automation Play (E-learning platform for PLC & Iot), 26<sup>th</sup> Sep 2020**

Learn PLC & HMI at beginner level

- Programmable Logic Controller
- Ladder Logic Programming
- Human Machine Interface
- PLC wiring & testing

**Certificate Of Appreciation, IEEE Student Branch, UET Taxila, 2019**

- Best WIE Volunteer Award.

**Certificate Of Recognition, IEEE Student Branch, UET Taxila,2019**

- In recognition to excellent volunteering services in Elektra 19.2

**Certificate Of Achievement, IEEE SB Affinity Group, UET Taxila, 20-2021**

In recognition to my volunteering services in the favor of WIE Affinity Group as TREASURE.

**Professional Affiliation:** **IEEE, 2018-Present, UET, Taxila**

- Work in different teams like management, Decor, Reporting & HR team
- Also took part in IEEE Newsletter

**ASME, 2018-2019, UET, Taxila**

- Take part in Human Powered Vehicle Cycle (HPVC) project.

**Interest:**

- Sports, Arts, Video Editing
- Curious about learning new things
- Will be furnished on demand

**Reference:**

- Available on request

