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## SKILLS

Matlab

Simulink

Microsoft Office

DevC++

Python

Linux

Keil uVision

Power World Simulator

Proteus & Multisim

Electric devices Repairing

## LANGUAGES

English

Full Professional Proficiency

Urdu

Native or Bilingual Proficiency

Punjabi

Native or Bilingual Proficiency

## INTERESTS

Cyber Security

Circuit Designing

Programming

# MUHAMMAD HUSNAIN ABBAS

Electrical Engineer (Electronics & Communication)

To work in an Organization that offers a creative, dynamic and professional environment, where there is maximum chance of learning and grow as a proficient, innovative and committed person.

## EDUCATION

### B.Sc. Electrical Engineering

University of Engineering and Technology Lahore, Faisalabad Campus

10/2017 - 07/2021

3.38/4, 84.60 Percent

### F.Sc. Pre-Engineering

Government Post Graduate College Sheikhpura (BISE Lahore)

09/2015 - 05/2017

883/1100, 80.27 Percent

### Matriculation

Govt. Rashid Minhas Higher Secondary School, HFD (BISE Gujranwala)

04/2013 - 03/2015

951/1100, 86.45 Percent

## WORK EXPERIENCE

Accurate Pvt. Ltd, Sundar Industrial Estate Lahore (11/2021 - 01/2022)

Jr. Engineer in Research and Development Department

Arista Solar, Sunrise Arcade DHA 2 Islamabad (10/2021 - 11/2021)

Trainee Engineer

## CERTIFICATES

Python for Beginners, Sololearn (11/2021 - 12/2021)

## PERSONAL PROJECTS

IOT Based Power Management Unit for Smart Distribution and Consumption (FYP)  
(03/2020 - 07/2021)

- IOT based power management unit is for smart distribution and consumption of power within nodes. This project is for remote areas, where there is no AC supply. It is the prototype of DC Smart Grid System.

First Person View Quadcopter (08/2019 - 01/2020)

- FPV quadcopter is used for surveillance and security purposes. Flight controller used is KK2.1.5 and frame used is DJI F450.

Digital Clock (05/2019 - 06/2019)

- This digital clock is based on 8-bit microcontroller, PIC16F84A. The digital displays used are 7 segment displays which were made of LEDs.

DC Voltmeter (08/2018 - 11/2018)

- This DC voltmeter can measure DC voltages up to 999 volts. This voltmeter is based on an analog to digital converter, ICL7107CPL.

MPPT using P&O and ANN (06/2019 - 02/2020)

- Maximum power point tracking is used to track the maximum power point of Solar panels and Wind turbines. This project is based on Simulation of MPPT using Perturb and Observe and Artificial neural network Techniques.

Comparison of 4G and 5G Technologies (08/2020 - 12/2020)

- It is a review project. The two technologies were reviewed through a brief comparison between them.

## CURRICULAR ACTIVITIES, INDUSTRIAL EXPOSURE

1. PLC workshop, Fast Chiniot, Faisalabad (08/2020) 2. CPD Python workshop UET FSD (03/2019)

Industrial Visit (11/2019)

Fazal Steel Limited, Islamabad

Study Tour (12/2018)

500 KV Gatti Grid Station, Faisalabad