Faiq Ahmad Khan

Address: Asmatabad,Ghaznikhel,
28450 Lakki Marwat ,KPK, Pakistan
Mobile: +92-343-9335663
Email: faiqahmadkhan047@gmail.com
LinkedIn: https://www.linkedin.com/in/faiq-ahmad-khan-633a83120/

Education

Bachelor of Science(Electrical Engineering) **2018**

FAST-National university of computer and emerging sciences, Peshawar

Major Electronics **CGPA** 3.75

Achievements

1. Awarded with four Medals for being a position holder in four semesters.
2. Inscribed in the Dean's list of Honors for all semesters for the best performance.
3. Awarded with prize for designing one of the best projects in semester five (2016).
4. Awarded with Prize money of 100 USD and a shield for being winner of Electrical Engineering Quiz competition in NUTEC (2018).

Publication

Research Paper Published on 'Analysis of Feedback Control Systems' in International Conference on Information and Communications Technology (ICOIACT),2018, Indonesia

Experience

Intern at **Safroon Energy (PVT) Ltd, Lakki Marwat** **3 Jun–3 Aug 2016 and 1 Jun–31 Jul 2017**

My responsibility was to design models on the basis of loads and other Electrical Parameters.

Skills & Tools

Microsoft office(Excel , Word, PowerPoint), MATLAB, AutoCAD, Model Sim , Xilinx, ICA lab, LabView, Proteus, Circuit Wizards, KEIL,FPGA and DSP kit, C, C++, MATLAB, and also basics of PLC and Assembly languages and Internet Of Things(Wi-Fi Module,BLYNK Android Application)

Training / Certification

Attended seminar on "Arduino", "Inter Faith Harmony", Participated in "Project Exhibition and Competition", "NASCON", "TECH-FAST", "NUTEC'18".

Projects

Final Year Project: **[MFCC, DTW, SVM, IOT, ARDUINO, Raspberry Pi]**

My Final year Project is Designing and Developing of a robotic manipulator and its remote controlling using Internet of Things. In this project we are extracting features of sounds of different motors via MFCC algorithm and analyzing features via Dynamic Time Warping (DTW) and support vector machine(SVM) to find out whether the motor is damaged or not. Mail will be sent to operator through Wi-Fi to notify him and he will be able to take some precautionary measures using BLYNK Android application.

Semester Projects: **[ICA LAb, FPGA kit, LabVIEW, ARDUINO, Raspberry Pi]**

I have designed many semester projects including Advanced Scientific Calculator , Four ways Traffic Light controller, Digital Dictionary, Noise removal from ECG via Independent Component Analysis, PID controller via LabVIEW, Sequence detector using Finite State Machine, Audio Wave manipulation, in which I have used different programming languages i:e C,C++, Assembly, MATLAB, Verilog and software like Arduino, FPGA Kit, Microcontrollers and ICA lab.