Muhammad Danish Mehmood Abbasi

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DOB: 17th September, 1994

WORK EXPERIENCE

National Institute of Electronics Islamabad — February 2017 — February 2018

Trainee Engineer

I worked as Trainee Engineer at NIE. During my stay at NIE I was involved in many projects and tasks which include:

- Design and Development of Cost Effective ECG Machine
- Design of Smart Home Automation System using Android App
- Design of 1Kv smooth Power Line Conditioner
- Research and Development on hardware and software of Raspberry Pi
- Draft Writing, PC1 Writing and general office work

PTCL — March 2018 — May 2018

Trainee

I worked as internee at PTCL OFS NMS team. The major tasks are as under:

- Maintenance and trouble shooting of Existing System
- Installation of New system
- Monitoring of the installed system

EDUCATION

Matriculation — March 2008 — June 2010

Federal BISE

Major Subjects: Bio Science
Division: 1st
Grade: A
Marks: 767/1050

Intermediate — July 2010 — August 2012

Federal BISE

Major Subjects: Pre Engineering
Division: 1st
Grade: B
Marks: 767/1100

Bachelors of Science — August 2012 — September 2016

Federal Urdu University of Arts Science and Technology

Major Subjects: Electrical Engineering (Electronics)
Division: 1st
Grade: B+
CGPA:3.51/4.00

PROJECTS

Voice and Tongue Controlled Wheel Chair (FYP)

This project was built using an Arduino micro controller, Hall Effect sensor and Voice Recognition module. Voice recognizer collects the voice commands and performs the indicated operations. Similarly Hall Effect sensor works on the position of magnet placed on tongue. Arduino was connected with motor driver circuit of wheelchair for its movement.

Cost Effective ECG Machine

This project was built using Raspberry Pi and ADS 1298 which can be accessed using Wi-Fi in remote areas during one year at NIE.

Smart Home Automation System

Designed a Module (Small home system) with 8 Appliances and all those appliances We're being controlled by GUI, Voice Commands, Mobile, and keypad and with Remote.

Semi-Automatic Dental Capsule Filling Machine

Designed Semi-Automatic Dental Capsule Filling Machine using Pulolo and Arduino. The purpose of the project is to fill capsules in different volumes.

HONORS AND AWARDS

Pakistan Engineering Council

Registered Engineer PEC #: ELECT/59360

Society of Innovative Electronics FUUAST (SIEF)

Core Member of SIEF (2013-2016)
President SIEF (2015-2016)

INNOVATIA

President INNOVATIA'16 (Mega Event) (2016)

SKILLS

- Circuit Designing with Proteus and Altium Designer
- Raspberry Pi
- Arduino
- Microsoft Office, Project and Visio
- MATLAB Basics
- Programming (C++, C, Python)
- QT Creator

INTERESTS

- Watching and Playing Cricket, Hockey and Football
- Social Media
- Hiking

REFERENCES

References available upon request.