



Education

University of Engineering and Technology, Taxila (3.13)

Bachelor of Mechatronics Engineering

Taxila, Pakistan
Oct/2018 – Oct/2022

Kips College, Multan (80%)

FSC in Pre-Engineering

Multan, Pakistan
May/2016-June/2018

Fauji Foundation Model School, Multan (86%)

Matriculation in Computer Science

Multan, Pakistan
August/2004-April/2016

Professional Experience

DG cement

Intern

Achievements:

- Learned about the Plant functioning.
- Learned how the PLC's control the whole process.
- Learned how to use the natural or un-natural resources to produce electricity.

Thermal power station

Intern

Achievements:

- Learned about the working of the turbines.
- Learned how generators are used to start the turbine.
- Learned how steam is produced and pressurized to produce electricity.

Academic Experience

Development of self-powered voice-assisted intelligent blind stick

*Position in the project: **Leader***

As the leader of a dynamic group, I spearheaded the development of a groundbreaking self-powered voice-assisted intelligent blind stick for my final year project. Focusing on the mechanical aspects and collaborating closely with my team.

The features of the project are as given below.

- Obstacle detection through Sonar sensors
- Length adjustment of the stick through lead screw mechanism
- Tracking of the stick through GPS module
- Transferring of the emergency message to the family members
- Small speaker mechanism to alarm the blind person on detection of obstacle.

CERTIFICATIONS

- NEBOSH IGC
- IOSH
- ISO-45001
- HSE Officer

- Safety Officer
- Permit to Work
- Fire Watcher

Technical Skills

- Project management
- Communication Skills
- Goal oriented methodology
- Team-working capacity

Softwares

- MS Office
- Auto cad & SolidWorks
- MATLAB
- Simatic Step 7 (To operate PLC)
- Sherline Mach (To operate CNC)
- Robotalk (To operate Scara)

Languages

- English
- Urdu