

# Muhammad Ahmad Amjad

Graduate Trainee

## Personal Info

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## Education

- Bachelors of Science in Electrical Engineering**  
Ghulam Ishaq Khan Institute of Engineering Sciences and Technology  
Aug 2019 - May 2023

## Skills

- Time management
- Problem-solving
- Creativity
- Lean Six Sigma
- Production Planning
- Data Science

## Languages

- Urdu - Native Speaker
- English - Fluent
- Arabic - Very Good

## Summary

*To achieve proficiency in Science and Technology and to join hands in building a sustainable future not for ourselves but also for our future generations.*

## Work Experience

### Production Process Intern, Zahid Industries Company Limited.(ZI) (Internship), Jeddah,KSA

August 2022 - September 2022

- Studied Zahid Production System (ZPS)
- Also. Studied the production planning involved in Electrical Solutions (MOTECH) and Power Supply (P.S) line sections..

### Manufacturing Engineering Intern, Pak Elektron Limited (PEL) (Internship), Lahore,Pk

July 2022 - August 2022

- Studied the Production System involved in Refrigerator Section.
- Including Solid sheet extrusion, HMI control and Thermoforming etc.

## Academic Projects

### Non-invasive Temperature Monitoring System with door lock

- Designing a Non-invasive Temperature System which will lock the door automatically if a person's temperature is higher than the normal body temperature.

### 1kVA transformer with a turn ratio of 220/12 V

- A transformer with turn ratio 220/12 V and 1kVA power rating with more than 90% efficiency.

### Designing of a multiband metamaterial

- Designing a metamaterial to increase its bands from twice to multiple using CST/COMSOL.

### Blink detection and removal from EEG signal

- Blink detection and removal from EEG signals using Classification with the highest possible efficiency using MATLAB.

### Smart Classroom Monitoring Assistant (SCMA)

- SCMA is a complete three in one solution for Classroom attendance, tracking students' attention during lecture and invigilating during assessments.