

QASIM RAZA

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Education

GHULAM ISHAQ KHAN INSTITUTE OF ENGINEERING SCIENCES AND TECHNOLOGY

Bachelor of Electrical Engineering

Topi, Pakistan

Aug 2018 - July 2022

Professional Experience

CONSULTING AND DESIGN CONSORTIUM (CDC)

Jan 2023 - Present

Consulting firm providing MEP solutions to local projects in Pakistan and Designing of Substations in International Region (Kingdom of Saudia Arabia)

Electrical Design Engineer:

- Reviewing PTS Documents and Sizing the load, Breaker size and Transformer size
- Designed Basic Layout for Cable trench Layout for Madina Transmission Line and Reduced Cable Trench Layout
- Plotted Cable Clamps and Link Boxes on Microstation Software for Substation in Madina Transmission Line
- Worked on L & T Project of Saudia and Designed Lighting Layout for their Mosque and Isolation Camp in Dialux Software.

MEPCO

July 2021 - Aug 2021

Electric Distribution Company which supplies electricity to 13 districts of South Punjab, Pakistan

Intern:

- Visited 132KV Grid station, learned and analyzed the distribution of electricity through different parts of distribution transformer, and prepared a report regarding electricity losses during distribution and how to reduce it by 25%.
- Understood the mechanism of CT and PT, their internal working, and surveyed 6 areas of Multan to identify where they can be used.
- Examined the mechanism of bus bar used for distribution, learned about the protection scheme used in Grid Station, and presented a report categorizing their efficiency, cost-effectiveness, and performance

Academic Experience

POULTRY FARM MONITORING AND CONTROL SYSTEM

July 2021 - June 2022

Designed automated poultry farm using IoT for monitoring and controlling environmental factors

Group Leader:

- *Analytical Skill:* Investigated the problems that occur on poultry farms by the usage of manual labor and used them for designing an intelligent poultry system
- *Problem Solving:* Designed IoT-based poultry system by incorporating different sensors to measure environmental features and successfully displayed results on an open-source website.
- *Teamwork:* Collaborated with 3 other members to design the system with minimum cost using master and slave mechanisms for monitoring and controlling the environmental factors

Extracurricular & Volunteer Experience

GIKI AIAA SOCIETY

June 2021 - May2022

- *Event Coordinator:* Managed and organized an event with 100+ online participants from all over Pakistan
- *Leadership:* Led a society of 100+ members and conducted a successful first-ever online National and International Speakers event for GIKI
- *Team Head:* Collaborated with 4 different teams the liaising team, networking team, sponsorship team, and marketing team, and brought 100+ participants for an online event
- *Negotiation skill:* Convinced National and international speakers for the event such as Tabish Hashmi, Hisham Sarwar, Zara Shafique, and UN Egyptian Ambassador Dr. Shaymaa Mohammed without any cost.

AMAL ACADEMY

July 2022 – Oct 2022

- *Communication:* Improvised English Fluency by 25% speaking through intro videos and presentation

- *Skills development*: Raised Funds of over 100K for Edhi Foundation and Taught 40 slum students with a vision of getting them into a government school

Honors and Awards

AWARDS AND CERTIFICATIONS

- Received Event Coordinator Award from Rector GIKI Dr. Fazal Khalid June 2022
- Graduated with highest honors achieving 95% and gold medal from Amal Academy with best Mega Project featured by PepsiCo Pakistan Dec 2022

Additional

- *Technical Skills*: MATLAB, Proteus, Multisim, C++, Assembly System, Microcontroller Interfacing: Arduino, PIC18F4550
- *Interests*: E-Gaming, Watching Podcast, Playing Football

