

Yameena Tahir

Electrical Engineer

To build a challenging career with leading corporate of hi-tech environment, which will help me to explore myself fully and realize my potential. I can work as an individual or as a part of the team. To learn and grow in the field of electrical engineering by implementing ideas to the best of my knowledge in any environment. Seeking for a better position to prove myself and gain experience in engineering field.

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EDUCATION

UNIVERSITY OF ENGINEERING AND TECHNOLOGY (3.40/4)

Taxila, Pakistan

Masters in Electrical Engineering (Power)

2019-2022

Thesis: Optimal Control of Active Distribution Networks Using Machine Learning Algorithm.

UNIVERSITY OF ENGINEERING AND TECHNOLOGY (3.50/4)

Taxila, Pakistan

Bachelors in Electrical Engineering (Power)

2015-2019

Thesis: Three Stage Lead Acid Battery Charging & Management System.

PUBLICATIONS

1. April 23, 2022 - Optimal Control of Active Distribution Network using Deep Reinforcement Learning, in **22nd IEEE International Conference on Environment and Electrical Engineering 6th Industrial and Commercial Power Systems Conference Europe**. (Status: Published) <https://doi.org/10.1109/EEEIC/ICPSEurope54979.2022.9854795>
2. May 15, 2021 - A state-of-the-art review on topologies and control techniques of solid-state transformers for electric vehicle extreme fast charging, in **IET Power Electronics**. (Status: Published) <https://doi.org/10.1049/pel2.12141>
3. Jan 29, 2020 - A Review on Hybrid Energy Storage Systems in Microgrids, in **2020 3rd International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)**. (Status: Published) <https://doi.org/10.1109/iCoMET48670.2020.9073919>

SYNERGISTIC ACTIVITIES

1. Participated in **competition DOE 2022 Marine Energy Collegiate Competition (MECC): Powering the Blue Economy** organized by the U.S. Department of Energy's (DOE's) Office of Energy Efficiency and Renewable Energy (EERE) in which the 17 teams are set to compete.
2. Participated & performed in 3rd International Conference on Computing, Mathematics and Engineering Technologies **iCoMET 2020** held at Sukkur IBA University, Pakistan.
3. Attended One Day CPD Activity on **Reinforcement Concepts of OBE (Outcome Based Education)** held at Industrial Engineering Department, UET Taxila.
4. Attending **Reinforcement Learning Onramp** online course on MATLAB/SIMULINK environment.
5. Awarded with Microsoft Office Specialist (MOS) Certification 2013 & 2016 organized by Certiport with 100% performance in Microsoft PowerPoint.
6. Participated in plantation drive Green August'19 organized by Karwaan e Iqbal, Wah Cantt Chapter.
7. Worked as volunteer for welfare cause since 2019, and worked with NGOs including Karwaan e Iqbal, Madad Foundation and Waseela e ilm.

8. Awarded with certifications in debate competitions at school level.
9. Worked as organizer and event co-head at **All Pakistan Technical Olympiad 2018** held at UET Taxila.
10. Worked as senior member at technical society SIEP **Society of Innovatives Electrical Professionals** UET Taxila, and presented on **Introduction to Robotics Club** at orientation.
11. Certified for participating in Industrial Tour to 500kV Grid Station, Rawat. Other industrial tours include Neelum-Jhelum Hydro Power Plant C-1 and 132kV HMC Grid Station.

ACADEMIC EXPERIENCE

1. Hands-on experience on technical softwares: MATLAB / Simulink, Proteus 8 Professional, ETAP, ORCAD PSpice, MS Visio, Origin
2. Self-paced training course on **Reinforcement Learning Onramp** by Mathworks | Training Services
3. Self-paced training course on **Control Design Onramp with Simulink** by Mathworks | Training Services
4. Design of Traffic Light Control System
5. Design of FIR & IIR Filters using MATLAB
6. Power System Design on ETAP
7. Mobile Phone Charger
8. Audio Amplifier Design
9. Lightning Scheme Design of Basic Electrical Lab UET Taxila.

INTERNSHIPS

1. JUNE 2022- SEPTEMBER 2022 - Worked as a part of PMIC (Prime Minister Inspection Commission) as an internee in **Energy Sector, Prime Minister Office, Islamabad.**
2. AUGUST 2018 - SEPTEMBER 2018 – Internee at **Heavy Industries Taxila, HIT ASRF Taxila Cantonment.**
3. JUNE 2018 - JULY 2018 – Internee at **Heavy Mechanical Complex HMC, Forge Works, Taxila.**

SKILLS & INTERESTS

1. Travelling
2. Reading Islamic history, Psychology and Sufism
3. Learning and teaching Tajweed
4. Teaching
5. Drawing and Art.