Department of Electrical, NED University of Engineering
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ASIF ZAHOOR SHAIKH

OBJECTIVE

I have keen desire to become an effective researcher in future, and it is my ambition to extend my career as a researcher in the field of electrical.

EXPERIENCE

NED University of Engineering & Tech., Karachi — *Lecturer*

MARCH 2023- PRESENT

TEACHING:

Currently teaching following courses in Undergraduate Program of the department:

- Feedback Control Systems Theory(EE-376)
- Instrumentation and Measurement lab(EE-223)
- Fundamentals of Electrical Engineering Lab(EE-119)
- Basic Electricity and Electronics Lab(EE-118)

Mehran University of Engineering & Technology, SZAB Campus, Khairpur Mir's — *Lecturer (Contract)*

AUGUST 2022 - MARCH 2023

TEACHING:

Taught following courses in Undergraduate Program during my career at Department of Electrical Engineering MUET,

- Electrical Circuits Theory and Lab (ES-107)
- Electrical Workshop Practice (EL-111)
- Instrumentation and Measurement Lab(EL-313)
- Applied Physics Lab(EL-116)

DESCON Engineering Limited, HQ 18-KM Ferozpur Road, Lahore-54760 Pakistan — *Trainee Engineer*

OCTOBER 2020 - OCTOBER 2021

Worked as Trainee Engineer in the Electrical and Instrumentation E&I department. Following worksperformed during the service:

- To coordinate with site manager and other concerned persons.
- Liaising with Consultants, sub-contractors, planners involved in project.
- BOQ preparation and resources allocation.
- Coordination with clients on daily basis regarding the site issues.
- Invoicing for both civil and electrical work.
- Verification of E&I Invoices.

Ali Enterprises, Karachi — *Trainee Engineer*

December 2017 – December 2018

Completing all tasks assigned by Supervisor, assisting other engineering with projects, conduction research, and writhing reports.

EDUCATION

Mehran University of Engineering & Tech., Jamshoro — *M.Engg – Electrical Power Engineering*

JANUARY 2019 - MARCH 2022 (CGPA: 3.58 out of 4.0)

Master's Dissertation Title: "*Variable On-Time Control Scheme to Achieve High Efficiency for AC/DC CRM Buck Converter*"

- The expertise is about to simulate the power converters on MATLAB in order to reduce The Peak and RMS current to increase the efficiency and improve the power factor.
- Simulated "AC/DC Critical Conduction Mode Buck Converter" on MATLAB.
- Simulated "Buck Converter on DCM and CCM Modes".

Quaid E Awam University of Engineering, Science & Tech., Nawabshah — *BE - ElectricalEngineering*

JANUARY 2014 - FEBRUARY 2018 (70.98% Marks –1stDivision)

Final Year Project:

"Voltage Stability Issues and Possible Solution Power Transmission System"

- Studied Placement of Series and Shunt Capacitors
- Studied Installation of Synchronous Condensers
- Studied the *pq-Theory* (modern power theory)
- Studied FACTS Controllers
- Studied passive harmonic filters

successfully achieved.

PakTurk Int'l Schools and Colleges, BISE SUKKUR – *HSC-Pre-Engineering*

AUGUST 2011 - AUGUST 2013 (84.18% Marks - A-1 Grade)

The City School, BISE SUKKUR — *SSC - Science*

MARCH 2009 - MARCH 2011 (78.11% Marks - A-Grade)

RESEARCH PUBLICATIONS

1. Memon, Abdul. Hakeem, **Shaikh, Asif. Zahoor,** Memon, Zubair. Ahmed, Memon, Anwar. Ahmed. (2022). Variable on-time control scheme to achieve high efficiency for AC/DC border line current mode buck converter."3C Tecnología. Glosas de innovación aplicadas a la pyme. ISSN: 2254 – 4143"

2. Jamshed, Fazal Ur Rehman Soomro Javed, and Korai **Asif Zahoor Shaikh**. "Fingerprint Based Ignition System and Tracking of Vehicle.""IJSRD - International Journal for Scientific Research & Development| Vol. 8, Issue 6, 2020 | ISSN (online): 2321-0613"

SOFT SKILLS

General Softwares

- MS-Office
- MULTISM

Computing & Hardware Integrating Tools:

- MATLAB
- Multisim
- Arduino IDE - Open source microcontrollers from various manufacturers
- Proteus

Programming Languages

- C/C++ Language

Operating Systems

- Windows