

HUMA TEHREEM

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Address: University of Technology, Nowshera (24100) –Pakistan

EDUCATION

Master of Science in Electrical Engineering

2016-2019

Major: Power +Renewable Engineering
University of Central Punjab, Lahore, Punjab -Pakistan

Bachelor of Science in Electrical Engineering

2011-2015

Major: Electrical Power
The Islamia University of Bahawalpur, Punjab –Pakistan

KEY SKILL

Planning, Organizing and Team Work Skills:

I have successfully organized various congresses/ workshops of IEEE as a focal person. I have been involved as a key speaker/trainer in couple of sessions of Women in Engineering, UCET IUB Chapter. I remained the group leader of BSc Electrical Engineering final year project as well as girls representative during whole bachelor's degree.

Technical Research Abilities and Technical Report Writing:

I have done research on Finite time stability approach in Masters Research. It ensures the stability of grid connected PV system in finite time. Consequently, it has fast error tracking capability. System is integrated with Lyapunove based finite

time sliding mode controller. Proposed controller enhanced the overall system stability as compare to PI controller. I wrote technical reports of mini semester projects, bachelor's project, and internship also.

Communication:

I have worked as operations executive. The job role was interaction between clients, provide solution and guidance to them.

Resilience and Self-discipline:

I have an ability to make myself work hard and behave in a particular way without needing anyone else.

PROFESSIONAL SKILLS

Computer: MS Word , MS Excel, MS Outlook, MS Power Point, MATLAB, Coral Draw X6, Adobe Photoshop Cs5, Networking, Internet Browsing, Windows and Computer Applications Installation, CD Image Burning and Mounting Tools, Lab Centre Electronics Proteus 8.1, Computer Hardware works.

Practical Works: Schematic Diagram Reading, Circuit Connections

PROFESSIONAL EXPERIENCE

Lecturer

Feb 2019 to Till Date

University of Technology (UoT), Nowshera, Khyber Pakhtunkhwa- Pakistan

- ✓ Teaching to undergraduate students of Electrical and Electronics Engineering Technology which includes breadth and depth courses.
- ✓ Being laboratories coordinator, I am involved in developing the labs, lab manuals and ensuring lab safety protocols.

Teaching Assistant

April 2018 to July 2018

University of Central Punjab, Lahore- Pakistan

- ✓ Assist faculty or other instructional staff in postsecondary institutions by performing teaching or teaching-related duties, such as teaching lower level courses, developing teaching materials, preparing and giving examinations, and grading examinations or papers. Graduate teaching assistants must be enrolled in a graduate school program. Graduate assistants who primarily perform non-teaching duties, such as research, should be reported in the occupational category related to the work performed.

Operations Executive

Zarnab International Private Limited, Lahore- Pakistan

Aug 2017 to March 2018

- ✓ Directly interact with clients.
- ✓ Responsible for handling and processing of routine office work.
- ✓ Responsible to read and reply e-mails.
- ✓ Meet and greet clients, respond to their queries, provide solution and guidance to clients.
- ✓ Documentation and filing.

ACHIEVEMENTS

- ✓ Received **Best Volunteer award IEEE IUB Chapter** for the academic year 2014 in the University College of Engineering and Technology of Islamia University of Bahawalpur, Pakistan.

PROFESSIONAL DEVELOPMENT (Workshops/Seminars/Certificates/Trainings etc.)

Trainings/Courses;

- ✓ Registered Engineer by Pakistan Engineering Council (PEC No. ELECT/52983)
- ✓ Certificate of Recognition, IEEE IUB Chapter – Workshop Seminar Held on 31st January, 2015 at The Islamia University of Bahawalpur.
- ✓ Certificate of Participation in IEEE – Orientation & Career Development Seminar Held on 22nd October, 2014 at FAST, Lahore.
- ✓ Internship in Multan Electric Power Supply Company.

RESEARCH PUBLICATIONS (Journal)

Journal Publications

- ✓ Xie, Mingyang, Muhammad Majid Gulzar, Huma Tehreem, Muhammad Yaqoob Javed, and Syed Tahir Hussain Rizvi. "Automatic Voltage Regulation of Grid Connected Photovoltaic System Using Lyapunov Based Sliding Mode Controller: A Finite—Time Approach." *International Journal of Control, Automation and Systems* (2019): 1-11. **Impact Factor 2.181**

PROFESSIONAL MEMBERSHIPS

Pakistan Engineering Council (PEC)

Registered Engineer

2015-Present

REFERENCES

1) Dr. Muhammad Majid Gulzar

Position: Assistant Professor

Employer: Department of Electrical Engineering, University of Central Punjab, Lahore (54782)

E-mail: majid.gulzar@ucp.edu.pk

Mobile: +92 (335) 4112293

2) Dr. Muhammad Saadi

Position: Assistant Professor

Employer: Department of Electrical Engineering, University of Central Punjab, Lahore (54782)

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