

**Mustafa Memon**

***Department of Electrical Engineering***

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Mustafa Memon



December 12, 1994 **PEC** 58666

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| **CORE STRENGTHS & ENABLING SKILLS** |
| * Electrical Engineering
* Power Systems
* Electronics
 | * Power Transmission
* Technical Knowledge
* Safety Conscious
 | * MATLAB, C++, MULTISIM
* Problem Solving Skills
* Communication Skills
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**PROFESSIONAL EXPERIENCE**

**Mehran University of Engineering & Technology, Jamshoro, Pakistan**

Working as **“*Lecturer*”,** March 2018- Present

* Teaching different subjects of Electrical Engineering.
* Involved in the research and designing of new courses and materials.
* Involved in the setup of exams and the marking of results.
* Providing mentoring, advice and support to students on a personal level.
* Implementing University research projects and involved in its publication.
* In-charge of two laboratories.
* Responsible for the departmental administrative tasks

**Mehran University of Engineering & Technology, Jamshoro, Pakistan**

Worked as **“*Teaching Assistant*”,** April 2017- March 2018

* Conduct classes and laboratory experiments of Electrical Engineering
* Help senior teachers in recordkeeping, maintenance of laboratories, supervision of projects of students (final year projects)
* Supervise and help students during classes, lunch and recess, and on field trips

**Steel Mills, Karachi, Pakistan**

Worked as “***Internee Engineer”****,* June2015– July 2015

* Worked in four different departments to gain extensive exposure and skills of Electrical Engineering. In Power Distribution Network department, acquired knowledge about grids, underground cables, substations and protection devices; while in Thermal Power Station department, efficiently learned about thermal power generation, generators, generator's protection, transformers and transformer's protection
* Worked in Power Equipment Repair Shop (PERS) Electrical to learn about how to repair motors, winding and testing of machines. Further, worked in Electronic Laboratory where I gained knowledge of how high voltage AC and low voltage DC & AC devices are tested before putting into operation

**Thermal Power House, Jamshoro, Pakistan**

* Worked as *“****Internee Engineer****”,* June 2014 –July 2014

**Responsibilities/Accomplishments:**

* Efficiently learnt basic engineering tasks related to power generation, building services and transport. Observed seniors on using computer-aided design and engineering software to create project plans
* Skillfully acquired knowledge of developing electrical products by studying customer requirements; researching and testing manufacturing& assembly methods& materials

**PROFESSIONAL QUALIFICATION**

* **Mehran University of Engineering & Technology, Jamshoro, Pakistan** (2017 –2019)

M.E – Electrical Power Engineering (4.0 CGPA)

***Masters Research topic:***

* *Performance improvement of buck converter with sliding mode controller*
* **Mehran University of Engineering & Technology, Jamshoro, Pakistan** (2013 –2016)

B.E – Electrical Engineering (3.91 CGPA)

***Final Year Project:***

* *Designing and implementation of PID controller for DC-DC buck converter*

**RESEARCH PUBLICATION**

* MEMON, Mustafa et al. Performance Improvement of Buck Converter with Sliding Mode Controller. **Indian Journal of Science and Technology**, [S.l.], dec. 2018. ISSN 0974 -5645
* M. H. Daudpota, A. M. Soomro, A. A. Sahito, M. Memon and F. Shafeeque, "Performance Analysis of Multi Modular DC-DC Converter for Photo-voltaic Cell as an Input," 2018 IEEE PES Asia-Pacific Power and Energy Engineering Conference (APPEEC), Kota Kinabalu, 2018, pp. 481-486. doi: 10.1109/APPEEC.2018.8566436