

Ms. Mokhi Maan
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Objective: Professional Engineering University Lecturer, believing in constructive teaching and learning approach. Looking forward to make continued significant contribution to research work in field of Electrical Engineering by pursuing a PHD.

Work Experience :

- As Lab lecturer: January 2007- January 2008
- As Lecturer: January 2008 – January 2012
- As Assistant Professor: January 2012 – to date

Key Responsibilities Handled

- Conducting lectures and preparing the lectures for graduate and undergraduate students.
- Conduct labs and demonstrate practical, design practical journals/ lab worksheets for undergraduate students.
- Researching on different subjects; supervising and co-supervising student research projects and theses groups.
- Collaborate with colleagues to address teaching issues.
- Participating in campus and community events.
- Keeping abreast of developments in Electrical Engineering field by reading current literature and participating in professional conferences.
- Initiate, facilitate, and moderate classroom discussions.
- Planning, evaluating and revise curricula, course content, and course materials and methods of instruction.

Subjects Taught:

Undergraduate level:

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|------------------------------------|----------------------------------|
| - Basic electrical engineering | - Power economics and management |
| - Power generation systems | - Linear circuit Analysis |
| - Direct current machines | - Electrical machines |
| - Instrumentation and Measurements | - Power system analysis lab |
| - Communication systems | - Digital electronics |
| - Electronic devices and circuits | |

Post graduate level:

Electrical power transmission, distribution and storage. (Master of Energy Engineering class).

Software Skills:

Electronic workbench, Multi-Sim, MATLAB (Simpowersystems), Lab-view, PSSE and SINCAL.

Education:

- Master of Electrical Power Engineering, Mehran University of Engineering and Technology, **2012**.
Research/thesis topic: grid interfaced wind farms: “modeling and analysis”
GPA: 4/4
 - Bachelor of Electrical Engineering, Mehran University of engineering and technology, **2006**.
Research/thesis topic: “Computer based Electrical Machine Testing System”
GPA: 3.69/4
 - Intermediate, Pre-Engineering, Govt: Nazareth Girls College Hyderabad, **2002**.
Percentile score: 76.7%, A-Grade
 - Matriculation, Science Group, Hayat Girls High School Hyderabad, **2000**.
Percentile Score: 74.7%, A-Grade
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Research interests:

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|----------------------------|------------------------------------|
| - Renewable Energy systems | - Large scale Wind energy systems. |
| - Power system Quality | - Harmonic mitigation techniques. |
| - Power electronics | - Power System Analysis |

Research Activities:

Post graduate research project co-supervised : “Wind energy penetration in Pakistan”, 2013

Undergraduate research projects supervised :

- Thar coal classification, plant and energy development, 2011
 - Modern aspects of power system, 2011
 - Design of Power factor controller using Micro-controller, 2012
 - A Comprehensive Study of Power Generation from Non-conventional Fuel Sources (Wind, Solar) and their Scenario in Pakistan, 2013
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Seminars and Conferences Attended:

- IEEE- student: Women in engineering conference 2013.
- International multi-topic conference, MUET, December 2013
- IEEE PSGWC conference , October 2013.
- 1st international conference on Energy Environment and Sustainable development for growing economies, April 2009, MUET
- One day seminar on “Peaceful Atomic Program of Pakistan: Atomic Energy Commission Opportunities for graduation engineers”, March 2009.
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Trainings , Workshops & Internships:

- NEX-11 (national engineering exhibition) in collaboration with HEC, 2011
 - National Workshop on “Project Based Learning” , November 2011.
 - 2nd Teachers Training Program, Directorate of Continuing Education MUET, Higher education commission Pakistan, February 2009.
 - One week work shop on “MATLAB and Simpowersystems”, by department of Electrical Engineering MUET, March 2009
 - Training course on Introduction to Gender & Environment organized by MUET in collaboration with Brunel university UK. November 2008.
 - Internship at: RTC (Regional Training Center) HESCO, (Hyderabad Electric Supply Co-operation), Jamshoro, summer 2006.
 - Internship at: 132 KV Muhammadi Grid Station, Latifabad, Hyderabad, summer 2004.
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Extracurricular Activities & Memeberships:

- Member of Pakistan Engineering council
 - Member of post graduate board of studies (M.E energy systems engineering).
 - Incharge of Hi-Tech lab , Department of Electrical Engineering MUET.
 - Member multimedia committee Department of Electrical, Engineering, MUET.
 - Girls team sports incharge Department of Electrical Engineering, MUET.
 - Class advisor.
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