



MUHAMMAD UZAIR

OBJECTIVE:

A Masters in Mechanical Engineering with Six years of academic experience seeking faculty positions in a research oriented environment

EDUCATIONAL BACKGROUND:

- Master of Engineering (M.E.), Mechanical Engineering, N.E.D. University of Engineering & Technology
Karachi, Pakistan (2007-2008) (CGPA3.95/4.0)
- Bachelor of Engineering (B.E.), Mechanical Engineering, N.E.D. University of Engineering & Technology
Karachi, Pakistan (2002-2006) (First Division)

ACADEMIC EXPERIENCE:

1. Assistant Professor, Department of Mechanical Engineering

NED University of Engineering and Technology, Karachi, Pakistan
Dec 2009 – Till date

- Responsible for teaching undergraduate courses and labs on Thermodynamics, Fluid Mechanics, Engineering Mechanics & Engineering Graphics.
- Proposed and guided final year undergraduate student research projects

2. Lecturer, Department of Mechanical Engineering

NED University of Engineering and Technology, Karachi, Pakistan
Nov 2006 – Dec 2009

- Responsible for teaching undergraduate courses and labs on Thermodynamics, Fluid Mechanics, Engineering Mechanics & Engineering Graphics.

3. Worked as Internee Engineer for 5 weeks at Karachi Electric Supply Cooperation (KESC) Bin Qasim Thermal Power Station, Karachi, in 2004.

AREA OF INTEREST:

Thermal Fluid, Heat Transfer, Energy conservation, Renewable Energy

PROFESSIONAL AFFILIATIONS:

- | | |
|---|--------|
| ▪ American Society of Heating, Refrigeration, Air-conditioning Engineers (ASHRAE) | Member |
| ▪ Pakistan Engineering Council (PEC) | Member |
| ▪ American Society of Mechanical Engineers (ASME) | Member |
| ▪ HVACR PAKISTAN | Member |

STUDY PROJECTS:

- Undergraduate Project: “To design and study a Centrifugal Compressor for Gas Compression Station”, Published by Lambert Academic Publishing’s Foundation (ISBN: 978-3-659-18581-6)
- Project on “Design of Solar Thermal powered Air Conditioner”, Published by Lambert Academic Publishing’s Foundation (ISBN: 978-3-659-11449-6)
- Project on “Energy Conservation for Centralized A.C system.”

WORKSHOPS/SEMINARS ATTENDED:

- Attended 5 Days Training on “Design and Installation of Off- Grid and On- Grid Solar PV System”, organized by REAP with collaboration of GIZ in November 2012.
- Attended 2 Days Conference on “Energy Conference - Roadmap for the Future!” organized by ASHRAE Pakistan Chapter in May 2012.
- Attended 2 Days Conference on “developing Energy Codes leading towards high performance buildings in Pakistan”, organized by ASHRAE Pakistan Chapter in June 2012.
- Attended 3 Days Conference on “5th International Conference on Alternative Energy & Power” in March 2011.
- Conducted 03 Days ASHRAE Learning Course on “Fundamental of thermodynamics and Psychrometry” with collaboration of ASHRAE Pakistan Chapter in March 2011.
- Conducted 03 Days ASHRAE Learning Course on “Fundamental of Heating and Cooling Loads” with collaboration of ASHRAE Pakistan Chapter in April 2011.

SKILLS:

- CAD Packages Pro-E (wildfire), Auto Cad 2006.
- Word Processors MS Office.
- Internet

EXTRA CURRICULAR ACTIVITIES:

- Member “Green Society”
- Net Surfing
- Sports Cricket & Badminton.

PERSONAL INFORMATION:

- Date of Birth 29/12/1983
- NIC # 42301-6954558-1
- Father’s Name Sabir Hussain
- Religion Islam

REFERENCES:

Available on demand.