



Faculty Profile

Full Name: Engr. Haseeb Baig

Position/ Designation: Lab Engineer

Faculty/Department: FEPS / Mechanical

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Short Introduction

I'm Engr. Haseeb Baig, a dedicated Mechanical Engineer currently serving as a Lab Engineer in the Department of Mechanical Engineering at Nazeer Hussain University (NHU). I graduated with a B.E. in Mechanical Engineering from Mehran University of Engineering & Technology, Jamshoro, in 2024. My academic and professional interests include Thermodynamics, Refrigeration & Air Conditioning, Applied Mechanics, Machine Design, and Industrial Maintenance & Safety. I'm passionate about Outcome-Based Education (OBE), laboratory instruction, and integrating practical industry experience into academic learning.

Experience

Lab Engineer – Nazeer Hussain University, Karachi

May 2025 – Present

Conducting lectures and lab sessions in Refrigeration & Air Conditioning, Machine Design, Applied Mechanics, and Industrial Maintenance & Safety. Responsible for implementing OBE-based teaching, lab management, and student evaluation.

Mechanical Engineer – Sindh Nooriabad Power Company Private Limited

Aug 2024 – May 2025

Gained professional experience in operation, maintenance, and performance analysis of combined cycle gas turbine power systems. Responsibilities included assisting in preventive



maintenance, equipment monitoring, troubleshooting, and coordination with cross-functional teams under strict safety and reliability standards..

Mechanical Intern – Pakistan Beverages Limited – Hyderabad

June 2024 – Aug 2024

Worked on manufacturing and process optimization in beverage production systems.

Mechanical Engineering Intern – Pakistan Petroleum Limited

Dec 2019 – Jan 2020

Assisted in field maintenance and inspection operations for gas field equipment.

Career Prep Fellow – Stanford-funded Program (2023)

Completed fellowship in professional development, leadership, and communication skills.

Entrepreneur – “Customize Corner” (Daraz Store)

May 2023 – Oct 2023

Managed an online retail store, applying management and problem-solving skills.

Educational Information

B.E. Mechanical Engineering – Mehran University of Engineering & Technology, Jamshoro (2024)

Intermediate (Pre-Engineering) – Board of Intermediate & Secondary Education, Mirpurkhas (2019)

Matriculation (Science) – Board of Intermediate & Secondary Education, Mirpurkhas (2017)



Achievements, Research/Publications

Achievements:

Graduated with distinction in B.E. Mechanical Engineering from Mehran UET, Jamshoro (2024).

Successfully implemented Outcome-Based Education (OBE) practices in undergraduate laboratory and theory courses at NHU.

Delivered lectures and supervised labs in Thermodynamics, Refrigeration & Air Conditioning, Machine Design, Applied Mechanics, and Industrial Maintenance & Safety.

Completed the Stanford University–funded Career Prep Fellowship (2023) focused on academic leadership, communication, and employability enhancement.

Completed one year of professional experience at Sindh Nooriabad Power Company Private Limited and multiple internships in the power generation, beverage, and oil & gas sectors, gaining multidisciplinary exposure to industrial systems and maintenance operations.

Recognized for excellent student engagement and contribution to laboratory development at NHU.

Research / Publications:

Current Research Interests:

Thermodynamic analysis and performance optimization of solar-powered cogeneration systems.

(Based on my final year project — Thermodynamic Analysis of a Solar-Powered Cogeneration System using EES.)