



Faculty Profile Format For Website

Full Name: Engr. Adeel Ahmed Khan
Position/ Designation: Lab Engineer
Faculty/Department: FEPS / Mechanical
Email Address: engradeelahmedkhan@gmail.com



Short Introduction

I'm Engr. Adeel Ahmed Khan, 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 NED University of Engineering & Technology, Karachi, in 2002. My academic and professional interests include Thermodynamics, Heat Transfer, Fluid Mechanics, Machine Design, and CAD. 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

November, 2023 – Present

Conducting lectures and lab sessions in CAD, Machine Design, Fluid Mechanics, and Heat transfer. Responsible for implementing OBE-based teaching, lab management, and student evaluation.

Mechanical Engineer – Allwin Engineering Karachi

2003 – 2012

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 Engineer – Bolan Casting -Hub Cowk

2015 – 2020

Worked on manufacturing and process optimization in production systems.

Educational Information

Master`s Design Engineering – NED University of Engineering & Technology, Karachi

(On going)

B.E. Mechanical Engineering – NED University of Engineering & Technology, Karachi

(2002)

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

(1997)

Matriculation (Science) – Board of Intermediate & Secondary Education, Karachi.

(1994)



Achievements, Research/Publications

Achievements:

Graduated with distinction in B.E. Mechanical Engineering from NED UET, Karachi (2002).

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

Delivered lectures and supervised labs in Thermodynamics, CAD, Machine Design, Fluid Mechanics, and Heat transfer.

Completed Fifteen year of professional experience at Automotive Sector and Specialized in the Field of CAD & CAM using Different Software Like AutoCAD, CREO Parametric & Solid works.

Also get Specialization in Machining Work using CNC machine like Turning centre & Machining Centre.

Full hand knowledge of CNC Programming using G&M codes

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