



Department of Materials Engineering

NED University of Engineering and Technology

Engr. Faaz Ahmed Butt
Lecturer
Department of Materials Engineering,
NED University of Engineering and Technology,
University Road
Karachi, 75270
Pakistan +92 21 99261261 ext. 2485 (Office)
faazbutt@neduet.edu.pk



Academic Career

- M.E. (Materials Engineering) from NEDUET (Batch 2012-2013)
- B.E. (Metallurgical Engineering) from NEDUET (Batch 2007-2008)

Teaching Experience

- Lecturer in Department of Materials Engineering (from April 2012 to date).
- Job Responsibilities:
 1. Course instructor for the following subjects
 - a. Fracture Mechanics and Failure Analysis: MM-403
 - b. Melting and Casting of Materials: MM-203
 - c. Mechanics of Materials: MM-205

- d. Deformation Behaviour of Materials: MM-306
- e. Production and Refining of Materials: MM-202
- f. Engineering Mechanics: ME-101
2. Lab instructor for the same subjects.
3. Lab-Incharge of following labs
 - a. Tensile testing lab
 - b. Hardness testing lab
 - c. Impact testing lab
 - d. Non-destructive testing lab
 - e. Fatigue testing lab
4. MMD Store Incharge

Technical Skills

- Synthesis, characterisation and applications of nanomaterials
- Failure analysis
- Experience in Non Destructive Testing (NDT)
 1. Ultrasonic testing
 2. Magnetic particle inspection
 3. Dye penetrant testing
 4. Eddy current testing
- Skilled in Metallography, Optical and Stereo Microscopy
- Trained in Mechanical Testing
 1. Impact Test
 2. Universal Testing Machine
 3. Hardness Test: Brinell, Rockwell, Vickers and Shore Hardness Tester

Projects

- Synthesis and characterisation of Iron oxide Nano-Particles by co-precipitation method, 2014
 - Development of Carbon Nanotubes by flame synthesis method, 2013
 - Failure analysis of parts of tyre curing press machine, 2013
-