

B-42 Sector Y-III Gulshan-e-Maymar  
(Near swimming pool) Karachi-75340  
Phone No: 021-36351473, 0333-3718311  
Email: [danish.majeed\\_84@yahoo.com](mailto:danish.majeed_84@yahoo.com)  
[danish.majeed@neduet.edu.pk](mailto:danish.majeed@neduet.edu.pk)

# Danish Majeed

---

**OBJECTIVE** To utilize my skills more efficiently, accept challenges, and deliver quality work with a quality organization.

## **ACADEMIC CREDENTIALS**

- **M.E (Materials Science) 2014 (NED UET).**
- **B.E (Metallurgy and Material Science) 1st Division 2006.**  
Dawood College of Engineering and Technology, Karachi. (M.U.E.T)
- **H.S.C (Intermediate) 2002 BISE Hyderabad.**
- **S.S.C (Matriculation) 2000 BISE Hyderabad.**

## **PRESENT EMPLOYMENT**

- Working as “**Lecturer**” In **Materials Engineering Department (NEDUET)**  
From Nov 2009 to date.

### **Job Responsibilities:**

- **Course(s) Instructor**
  - **Undergraduate**
    1. Introduction to Engineering Materials.
    2. Manufacturing Processes of Materials.
    3. Melting and Casting of Materials.
    4. Design and Selection of Materials.
    5. Material Characterisation Techniques
    6. Production And Refining of Materials
  - **Postgraduate**
    1. Advance Experimental Methods
    2. Production of Ferrous and Non-ferrous Materials
- **As a Lab Incharge (Operation and Installation)**
  1. Scanning Electron Microscope (Fei Quanta 200)
  2. Optico Electron Microscope
  3. Metallography lab
  4. Optical Microscopy lab
- **Area Coordinator**
  - Responsible for implementing Quality Management System Procedures in the department.
  - Continuously monitoring Key performance indicators for yearly objective being properly implemented in Department.
  - Outcome Base Education (OBE) Implementation Team Member

- **Class Advisor** (First Year Materials Engineering)
- **Final Year Project Advisor**
  - To Study The Effects Of Carbon Nanostructures, Harvested From The Natural Gas Soot, On Biodegradability Of Plastic Obtained From Banana Peel
  - Heat Treatment & Selection of Material for Hot & Cold cutting shear blades.
  - To Study the Effects of Different Anodizing Process Variables on Different Aluminum Alloys.
  - Synthesis and Characterisation of Al/SiC composite.
  - Synthesis and Characterisation of Wood Plastic Composite
- **Project Advisor of Manufacturing Project**
  - Impact Testing Machine for Plastics
- **Commercial Testing Coordinator**
  - Involved in testing of various materials from industries and universities.

## **PUBLICATIONS**

1. Microencapsulation of Halochromic Material and Inhibitor for Smart Coating to Detect and Control Corrosion
2. "Effect of heat treatable (Al 6061) filler on non-heat treatable (Al 5182) Aluminum alloy surface joint strength using TIG welding process"
3. Manufacture and Characterization of Honeycomb Sandwiched Carbon Fiber Reinforced Polymer Composite (Poster Publication in 1st International Conference on Advance Materials & Process Engineering (AMPE-2015), Dec 14-15, 2015).
4. Green Synthesis and Characterization of Zinc Oxide Nanoparticles Using Aloe Vera (Poster Publication in 1st International Conference on Advance Materials & Process Engineering (AMPE-2015), Dec 14-15, 2015).

## **EMPLOYMENT HISTORY**

- **International Industries Limited.**  
Worked as “**Production Engineer**” **Cold Rolling Mill.**  
From Dec 2007 to Jan-2009.

### **Job Responsibilities:**

- Controlling the production activities of **Pickling Line, 4-Hi reversible rolling mill, Annealing & 2-Hi rolling mill.**
- Implementation of correct operational practices.
- Develop plant wise floor working production plan on weekly or daily basis.
- Continuously strive to minimize material wastages & down time.
- Monitoring the standard production against the budget target.
- Ensure that safety standards and procedures are strictly followed.

## INTERNATIONAL TRAINING

- **Laser Particle Size Analyzer**  
**Better Size, China**  
Operational and Routine Maintenance Training

## LOCAL TRAINING

- **Ore Microscopy**  
Geoscience Advance Research Laboratories  
Geological Survey of Pakistan, **Islamabad**.
- Operation and Maintenance of **Potentiostat**  
Punjab University, **Lahore**
- Quality Assurance, Lloyds Register Quality Assurance Ltd  
HEC Indigenous on Campus Training

## IN PLANT TRAINING

I have done Internship / in plant training in the following organizations.

- **International Industries ltd.** (*Cold rolling mill and API grades sections*).
- **People's Steel Mill.** (*Melting shop, rolling and forging shop & Quality sections*).
- **Hussain Engg: works.** (*Cupola furnace, casting section*).

## PROJECT\THESIS

Impact Properties and Ageing Studies of AISI 5140 & AISI 4340 grades of Automotive Steel at **Peoples Steel Mill**.

## SKILLS

- Operate Scanning Electron Microscope, Optico Electron Microscope
- Fracture and Failure Analysis
- Materials Characterisation
- Destructive and Non-destructive testing

Microsoft Suit (**Word, Power point, Excel**).

## PERSONAL DATA

- Father's Name : **Abdul Majeed**
- Date of Birth : **October 28, 1984**
- Religion : **Islam**
- Nationality : **Pakistani**
- Marital Status : **Married**
- NIC No. : **42201-1644712-3**
- PEC Membership : **Metal-2277**

## **LANGUAGES**

- English & Urdu (**Reading, Speaking & Writing**).

## **STRENGTHS**

- Creative & Result Oriented
- Highly motivated & Reliable
- Confident & Committed to professional standards

## **REFERENCES**

- Will be furnished upon request.