

Danish Majeed

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OBJECTIVE

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

ACADEMIC CREDENTIALS

- **PhD. (Materials Engineering) (*In Progress*)- (NED UET).**
- **M.E (Materials Engineering) 2014 (NED UET).**
- **B.E (Metallurgy and Material Science) 1st Division 2007.**
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. Manufacturing Processes of Materials.
 2. Melting and Casting of Materials.
 3. Design and Selection of Materials.
 4. Material Characterisation Techniques
 5. Production and Refining of Materials
 6. Phase Transformation in 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 coordinator

- **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 Aluminium Alloys.
- Synthesis and Characterisation of Al/SiC composite.
- Ceramography of different functional ceramics for advanced Application.

PUBLICATIONS

Journal:

1. Danish Majeed, Asad A. Zaidi, Muhammad Nihal Naseer & Muhammad Asif, ***“Influence of thermal treatment on the morphology of zinc oxide NPs synthesized by green method”*** MRS Advances volume 7, pages420–426 (2022) <https://doi.org/10.1557/s43580-022-00279-2>

Conferences:

1. D.Majeed, “Microencapsulation of Halo chromic Material and Inhibitor for Smart Coating to Detect and Control Corrosion”. 2nd International Conference on Advance Materials & Process Engineering (AMPE-2017)
2. D.Majeed “Synthesis of Metal Sulfides (Cu and Ni Sulfide) for Hydrogen Evolution Reaction (Her) and Carbon Dioxide reduction (Co2R), 3rd International Conference on Advance Materials & Process Engineering (AMPE-2019),
3. D.Majeed “Synthesis and Characterisation of Silica Nano Particles for Energy Applications” 3rd International Conference on Advance Materials & Process Engineering (AMPE-2019),

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

PERSONAL DATA

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|------------------|---|--------------------------------------|
| • Father's Name | : | Abdul Majeed |
| • Date of Birth | : | October 28th, 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.