

Shafaq Asrar

Email: shafaqasrar043@gmail.com

Current Position: **Lecturer (NED University)**
Experience: **1.5 years**

Objective

To serve as a potential candidate being involved in research and development in an environment where I can exercise my skills and have opportunities to sparkle my abilities, expand current horizon of comprehension also utilize my experience and educational background.

Work Experience

NED University (Metallurgical Engineering Department)	Feb 2016 - Present	Lecturer
Job Description Teaching following courses: <ul style="list-style-type: none">• <i>Metal forming & shaping</i>• <i>Metallurgy of welding</i>• <i>Electronic magnetic & optical materials</i>• <i>Nanotechnology</i>• <i>Phase transformation</i>• <i>Physical metallurgy</i>• <i>Powder metallurgy</i> Key responsibilities <ul style="list-style-type: none">○ <i>Lab incharge of metallography lab</i>○ <i>MES resource person</i>		

Projects Completed During Academics

- *Micro structural Characterization of Powder Coated, Spray painted Anodized & Galvanized parts. (Research Project)*
- *Design and Characterization of Material for Thermal Management Application (Bachelor Project)*
- *Failure analysis of forged H13 die manufactured by PSM in 2012 (Study Project)*
- *Reverse engineering of cast iron in 2009 (Study Project)*

Qualification

Degree	Institute	Year of Passing	Division/Grade
ME (Materials)	NED University of Engg & Tech Karachi	2013	3.3 CGPA
BE (Materials)	NED University of Engg & Tech Karachi	2010	First Division
HSC	Govt. College for Women Shahrah e Liaquat	2006	A grade

SSC	Guardian Public School Karachi	2004	A-one grade
-----	--------------------------------	------	-------------

Seminars / Workshops

- Attended Time Management Seminar
- Attended Effective Teaching Practices
- Attended Research Methodology Training

Computer Skills

- C Language
- MS Office (MS Word, MS Power point, MS Excel, MS Project)
- EAF Simulation
- MATLAB

Professional Memberships

- Student member of NMS (NED Materials Society)
- Pakistan Engineering Council

Technical Skills & Competencies

- Experience in Non Destructive Testing (NDT) (UT, MPI, DPT, ECT, X-Ray)
- Destructive testing (tensile, impact, hardness)
- Skilled in Metallography, Optical and Stereo Microscopy
- Trained in Mechanical Testing
- Expert in laser particle analysis
- Expert in spectrophotometer
- Proficiency in SEM

Extra-Curricular Activities

- Participated in “**Poster Exhibition of Nanotechnology**” in NED University in 2013
- Certificate in “**Inventory Management and MRP**” – NED University of Engineering & Technology in 2011
- Participated in “**Approach to Industrialize Materials Engineering**” organized by NMS in NED University in 2010.

Study Visits

- Bolan Casting
- Pakistan Steel Mill
- PCSIR
- Peoples steel mill
- Atlas Honda

References

- Will be provided when required