

**Engr. Sajida Shaikh ,Assistant Professor (MYD; NED .UET).**

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Department of Metallurgical Engineering,  
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## **ACADEMIC CAREER**

**M.E (Materials Engineering) NED University of Engineering & Technology, Karachi. (CGPA 3.5) (2016)**

**B.E (Materials Engineering) -NED University of Engineering & Technology, Karachi. (CGPA 4.7 ,3<sup>rd</sup> position) (2011)**

**HSC (Pre-Engineering) –Govt. Degree Science& commerce College, Karachi (Grade A 75%) (2007)**

**SSC (Science) Indus Public School System, Karachi. (2005) (Grade A-1 85.29%)**

## **TEACHING EXPERIENCE**

**Visiting faculty : Institute of Industrial Electronics Engineering: IIEE**

Taught as Visiting Faculty in IIEE from July 2012-June 2013

**Lecturer : NED University of Engineering and Technology**

Department of Metallurgical Engineering, NED University, 10<sup>th</sup> Feb 2016 – 14<sup>th</sup> march, 2018

**Assistant Professor : NED University of Engineering and Technology**

Department of Metallurgical Engineering, NED University, 15<sup>th</sup> march, 2018- Today

**Lab Incharge: Powder Metallurgy And Deterioration Lab**

Department of Metallurgical Engineering, NED University. Feb 2016 – Today

## **TECHNICAL SKILLS**

- Hand on Experience with common Non Destructive Testing.
- Skilled in Metallography, Optical and Stereo Microscopy.
- Trained in spectroscopy

- Trained in Potentiostat

## **RESEARCH INTEREST**

- Corrosion rate analysis of different metals via different environment & heat treatments
- Synthesis, characterization & application of nanomaterial , composite materials , powder sintered materials , ceramic materials

## **Research (BE & ME):**

- Development and characterization of Carbon/glass fiber reinforced Aluminum composite
- Analysis of changes in morphology of human hair with different cosmetics use, by scanning electron microscope

## **RESEARCH PUBLICATIONS**

Effect of cryogenic treatment on mechanical properties of AISI 4340 steel, In progress for International Symposium of Advanced Materials.

## **TAUGHT COURSES**

1. Physical Metallurgy
2. Inspection and testing
3. Corrosion prevention and protection
4. Surface coatings
5. Metal forming and shaping
6. Metallurgy of Welding