

Summary A candid graduate, ready to improvise significance of science and engineering in a work place through innovation, teamwork, performance and integrity along with leadership enactments. Looking for challenging opportunities and diversity in roles to build and improve managerial and technical skills for self-grooming, career development and to have hands on experience. Possess sound academic lab expertise, theoretical knowledge and industrial exposure, favorable for an organization and essential for professional growth. I believe my character has adopted a healthy combination of both theory and practical which can be foreseen apparently by the following traits.

Education

1- Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) Topi, PK
Bachelors of Science in Materials Science and Engineering
CGPA: 2.96 / 4.00 Karachi, PK
2011 – 2013

2- D.J. Sindh Govt. Science College
FSc (Pre-Engineering)
Result: 74.54% (820/1100)

Work Experience

1- Intern at General Tyre & Rubber Company 14 July 16 - 10 August 16
(Duration: 4 Weeks)
• Lean Manufacturing, Six Sigma, Quality Assurance and Material Testing
• Rubber Science, Tyre Engineering and Floor Working
• Products: Radial & Bias Tyres, Tubes and Tank Pads
• Project: Effect of Fillers; Carbon Black and Amorphous Silica on Rubber Compound

2- Intern at Merck (Private) Limited, Pakistan 18 June 15 - 13 August 15
(Dept. of Operationals Procurement of Supply Network Operations) (Duration: 8 Weeks)
• Forecasting, Toll Manufacturing, and Payment Terms & Conditions
• I Form & Pay Orders Requisition, G.I.T. and P.O. Entry and Transport Mode Verification
• Ordering System and Custom Clearance Process
• Document Calculation Errors Maintenance and Filing

Final Year Project Thermal Barrier Coating for Jet Engine Turbine Blades FYP
2016-2017
• Objective: Minimizing Thermal Expansion Mismatch between Bond and Top Coat
• Novelty: Double Layer System; Protecting Top Most Layer Against CMAS Attack
• Manufactured Top Coat Powder with 99% Accuracy
• Designed Powder Manufacturing Route
• Characterization: EDS, XRD Analysis, CTE Analysis by Ansys, Pull-Off Test

Academic Projects

Technical Projects

- Cu Doped TNTs Fabrication & Characterization (SEM & EDS) for PV Effect
- Al₂O₃ Thin Film Fabrication & Characterization on Cu Sputtered Substrate
- Failure Analysis of Fractured Ball Bearing
- Carburizing of Mild Steel (Case Depth Analysis)

Management Projects

- Company Assessment of MacDonald Pakistan
- Quality Analyses of Higher Institution of Pakistan
- GIKI Benchmarking Analyses with KAIST & OWU
- Sociological Analysis of Che Guevara

Awards & Achievements

1-Certification

- ASNT RT Level II Certification (SNT-TC-1A) [Valid from Jan 2018]
- Occupational Health & Safety

2-Designations

- Director Technical: ASM and Character Building Society GIKI Chapter, Marketing Coordinator: IAESTE GIKI Chapter

3-Other

- Managed a seminar of Dr. Inam ur Rehman (Pioneer of PIEAS) & Laid down the basis of Character Building Society at GIKI
- 120 hours community service at Darul Sukun in Summer 2014

Skills

Lab Work: Metallography (Phase Analysis), Etching, Metal Plating, LPT, UT, MT, RT, Mechanical Testing, Corrosion Testing
Machines: Compound Microscope, Vertical Ball Milling Machine, Particle Size Analyzer, PH & Refractometer
Software: ErpNext, Ansys (Basics), Creo Parametric (Basics), Adobe Photoshop, X'pert Highscore, AVS Video & Audio Editing

Hobbies
& Interests

