

HARIS KHALID

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Date of Birth: 11-06-1994

OBJECTIVE

Looking for a challenging position to utilize my skills and abilities in a high-quality engineering and congenial environment where I can practically apply and improve upon the skills acquired from my previous education to flourish my career.

EDUCATION

Sep 2013 –Jun2017	B.S. in Mechanical Engineering International Islamic University, H-10, Islamabad, Pakistan. Result: CGPA: 3.76/4.00, 82.15%
Sep 2010 -Nov2012	F. Sc (Pre-Engineering) Islamabad Model College for Boys F-10/3 Islamabad, Pakistan. Result: (819/1100), 74.45%
Sep 2008 –Jun2010	Matriculation (Science) Islamabad Model College for Boys F-10/3 Islamabad, Pakistan. Result: (802/1050), 76.38%

EXPERIENCE

Six Weeks of Internship at **Pakistan Ordnance Factories (POF)**, Wah Cantt, Pakistan
Six Weeks of Internship at **IBN-E-SINA Institute of Technology (ISIT)**, Islamabad, Pakistan

INTERESTS

Thermodynamics, Heat and Mass Transfer, Heat Ventilation and Air Conditioning (HVAC)
Manufacturing Processes and Production Technology

SKILLS

Microsoft Office, Tora, Pro-Engineer (PTC Creo 3.0), ANSYS Workbench, CNC Coding, DENFORD VR Milling,

UNDERGRADUATE LEVEL COURSE PROJECTS

- **Engineering Drawing** Soap Modelling Of 3D Object.
- **Engineering Dynamics** Design and fabrication of Catapult.
- **Fluid Dynamics** Research report on Boundary Layer Thickness.
- **Manufacturing Process** Design & fabrication of punch and die for Creep Test Specimen.
- **Theory of Machines** Design and fabrication of Robotic Spider.
- **Basic Electronics** Design and fabrication of Power Supply.
- **Measurement and Instrumentation** Water Level Detector using 555 Timer IC.
- **Thermodynamics** Report on OTEC (Ocean Thermal Energy Current).
- **Mechanics of Material** Research Report on Fatigue Life Model.
- **Heat ventilation & Air Conditioning** Calculation of heating and Cooling Load of a building.

FINAL YEAR PROJECT

Design & Analysis of Solid State Welded Specimen

The Project Consist of two Phases 1) Design of Solid State Welded Specimen: That Include Aluminum 1100 Series Rods 10-12 mm in Diameter and upto 80 mm in length. These rods are joined by using Friction Welding Technique on Vertical Milling Machine. 2) Analysis of Solid State Welded Specimen: That Phase Consist of Destructive Testing (Test that Changes dimensions of the Specimen) I.e. Tensile Testing, Compression Testing, Fatigue Testing, Impact Testing and Hardness Testing. Finally by using Ansys Software these results are simulated. Structural and Thermal Analysis is done on Ansys.

EXTRA CURRICULAR ACTIVITIES

- Member at Mechanical Engineering Alumni Association (**MEAA**) IIUI
- Former Member of American Society of Mechanical Engineering (**ASME**)

AWARDS AND ACHIEVEMENTS

- Certificate of Student of Academy at Superior Science Academy.
- Membership Certificate presented by American Society of Mechanical Engineers (**ASME**).
- Certificate of Merit in **Spectra'14** presented by Students' Advisor Office IIUI.
- Technical Events Award in Spring Gala'16 presented by Students' Advisor Office IIUI.
- Runner-Up in Master Mind Competition in Gear-up Event 2013.
- Runner-Up in Eggy Bird Competition in Spectra Event 2015.
- Organizer in Spring Gala Event 2016.
- Winner of Cricket Tournament Super Sixes 2016.
- Organizer of Cricket Tournament Super Sixes 2016.

REFERENCES

- **Dr. Saeed Badshah** Associate Professor, Head of Department of Mechanical Engineering, International Islamic University Islamabad, Pakistan
E-mail: saeed.badshah@iiu.edu.pk
- **Engr. Aasar Ahmad** Assistant Professor Faculty of Engineering & Technology, Department of Mechanical Engineering, International Islamic University Islamabad, Pakistan
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