

Abdullah Saleem

Mechanical Engineer

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Objective

Working in a stimulating, challenging and competitive environment to develop a better understanding of the applications of engineering in the industry in order to fuel my passion and further enhance my technical skills.

Qualification	Institution	Year	CGPA/Marks
B.S. Mechanical Engineering	HITEC University, Taxila	2014-2018	2.95/4.00
HSSC Pre. Engineering	Islamabad Model College for Boys, F-8/4 Islamabad	2012-2014	759/1100
Matriculation	Islamabad Model College for Boys, F-8/4 Islamabad	2010-2012	877/1050

Projects

- **Final Year Project: Design and Fabrication of Automated Multi-Axis Drilling Machine**
It is a CNC Drilling machine (4-axis) with water cooled spindle. This machine can drill into different materials like Aluminum, Mild steel, Teflon and wood. It supports complete G-Code controlled by Arduino.
- **Prototype of CNC Router**
This model demonstrate the motion of computer controlled machines in two axis. Stepper and servo motors are used along with Ultrasonic sensors controlled by Arduino.
- **Flow Analysis of NACA-0012 Airfoil**
ANSYS (Fluent) used to analyze and visualize flow of fluid over NACA-0012 airfoil.
- **Prototype of Continuous Variable Transmission**
Motorized prototype of CVT. Demonstrating how *Infinite Gear Ratios* are achieved in CVT.
- **14-Bar Steering Linkage**
This model demonstrate the working of 14 bar steering mechanism along with the demonstration/working of links and joints.
- **Design of an Engine Radiator**
Calculation of *Heat Transfer Area* of a car radiator using *logarithmic Mean Temperature Difference* method.

Extracurricular Activities

- Intl. Member of ASME. (since 2015)
- Media Head of Robotics Society. (2017-2018)
- Conducted and Organized Robotics Seminars.
- Media Director in the Organizing Team of *Human Powered Vehicle Challenge* 2018 held in HITEC for the first time.
- Participated in *International Kangaroo Mathematics Contest*, 2005 and 2007.

Experience

- **Internship at D.G. Khan Cement Company**
Duration: 1 month.
Learned about the working environment of industry and how the theoretical knowledge of Manufacturing Processes, Industrial Engineering and Management is practically used in an industry.
- **Internship at Ecochange Pvt. Ltd.**
Duration: 1 month.
Learned about how engineering and renewable energy project surveys are done including technology assessment, Site selection, feasibility study and energy yield estimation.

Certifications

- **Time Management**
Three days training on 'Time Management' at *Directorate of Workers Education*.

Personality Aspects

- Highly Organized and Efficient.
- Excellent Written and Verbal Communication Skills.
- Ability to Work Independently or as Part of a Team.
- Adaptable, Versatile and Challenge Oriented.
- Strong event and time management skills.

Computer Related Skills/Language Skills

- Design Software: AutoCAD and PTC Creo Elements.
- Analysis: ANSYS Mechanical APDL and ANSYS Fluent.
- Programming: MATLAB, C++ and Latex.
- Microsoft Office: MS Word, MS Excel, MS PowerPoint, MS Visio and MS Project.
- Creative: Adobe Photoshop, Adobe illustrator and Sony Vegas.
- Proficient in written and spoken English, Urdu and Punjabi.

Hobbies

- Photography and Videography.
- Graphic Designing and Digital portrait.
- Playing videogames.