

SAJJAD AHMED

MECHANICAL ENGINEER

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SUMMARY

Mechanical Engineer with 1 month internship experience in HEAVY INDUSTRIES Taxila. 1st Student to Successfully design, manufacture and test Metal Cutting HSS Tool Splined Pull Broach for cutting of internal gear teeth as Final Year Project for the first time in the history of HEAVY INDUSTRIES TAXILA . I served as a project leader. My key skills include detailed designing, analysis and making process sheet for manufacturing.

EDUCATION

HITEC University Taxila
BS Mechanical
Engineering (2014 - 2018)
CGPA : 3.16/4

MAJOR SUBJECTS:

Mechanics, Dynamics, Thermodynamics, Materials science, Structural analysis, and Design of machine elements.

SOFTWARE SKILLS:

PTC Creo 3.0, Solid-works, Auto-CAD, MATLAB, CNC Lathe Simulator, CNC Milling Simulator and MS Project.

KEY SKILLS

- Design of Mechanical Components(PTC Creo 3.0, Solid-works, Auto-CAD)
- Force and Stress Analysis(ANSYS 16.0)
- Manufacturing Process Development
- Project Management(MS Project)
- Report Writing and Presentation(MS Office)

WORK EXPERIENCE

HEAVY INDUSTRIES TAXILA

Manufacturing Branch

Internship (1 Month)

- Detailed Design and 3D modeling of HSS Cutting Tools
- Manufacturing Process Sheet writing
- Team Management
- CNC Lathe Machine, CNC Milling, Heat Treatment Furnace, Tool Grinding Machine operations management

MAJOR PROJECTS

- Design & Mfg. of HSS Tool Splined Pull Broach for Cutting Internal Splines (Duration 1 year) in HEAVY INDUSTRIES TAXILA.
- Design & Mfg. of Scotch Yolk Mechanism
- Expanded Polystyrene Casting of Gear System

ACHIEVEMENTS

- Awarded merit scholarship throughout graduation by HEAVY INDUSTRIES TAXILA
- Awarded merit scholarship by HITEC University
- 1st Prize in Blue Clues Mathematical competition
- 3rd Prize in Scientific Society Egg Drop competition.