

Zain Haider

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Objective:

Ambitious to build a career with an organization where team work is essential and hard work is appreciated and to use these qualities together with my mechanical knowledge of mechanical Engineering and enthusiasm for sustainable development to learn the application of state-of-art mechanical engineering in the diverse industry paving my way to professional success

Education:

BSc Mechanical Engineering

CGPA: 3.39

School of Mechanical and Manufacturing Engineering, NUST

Industrial Experience:

- **Ibrahim fibers, Polyester and Power Generation Plant, Faisalabad** August 2017- Sept 2017
Internship
 - Observed Polyester & Power Generation plant working
 - Repaired steam roller of polyester plant removing the hurdle to immediately start production.
- **NPGCL, Power Generation Plant, Faisalabad** July 2017- August 2017
Internship
 - Overhauling of heat exchanger to get first-hand experience of maintenance.
- **Thermal Power Station, Muzaffargarh** August 2016- Sep 2016
Internship
 - Reconditioned the feed pump which increased the efficiency of water circulation system.
- **Maintenance Workshop, GULF E&C, Multan** July 2016- August 2016
Part Time Worker
 - Overhauling of various centrifugal pumps providing a deep insight into centrifugal pumps.

Academic Projects:

- **Hybrid Biomass & Solar Fruit Dyer, NUST** Sept 2017- Apr 2018
Final year project
 - Multipurpose Air Heater operates on dual fuel (Solar & Biomass)
- **Auxiliary power unit DMRC, NUST** Feb 2015
Co-Curricular Project
 - Designed Schematic diagram for future troubleshooting scenarios
- **Human Powered Vehicle, Giki** Sept 2015- April 2016
National Competition
 - Designed & Manufactured a recumbent cycle aimed at providing ease & speed to the rider.
- **Jigs and Fixture, DMRC, NUST** December 2014
Semester project
 - Designed & manufactured drilling jig and machining fixture for plate use in DMRC
- **Motor Control System, NUST** June 2016
Semester project
 - Control the speed, Position and Direction of a Motor by using Arduino.

Freelance Work:

- **Saw Cutting Machine Design:** Select require type of belt and pulley and design whole system on solid-work
- **Hartnell Governor:** Spring controlled centrifugal governor, Design it on solid-work with mechanism study.
- **4-stroke Engine Pressure Profile:** Draw 4-stroke actual pressure profile on Mat-lab.
- **Motion study:** Cam, Crank and 4-bar mechanisms study on solid works.

Awards & Certifications:

- Microsoft Office Specialist (MOS Expert)
- Merit Based Scholarship from NUST
- Class representative award by class