

Ali Imran

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EDUCATION

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology, Topi, Pakistan

2014-2018

- Bachelors of Science in Mechanical Engineering
- CGPA 3.13/4.00

PROFESSIONAL EXPERIENCE

Pakarab Fertilizer Limited, Multan, Pakistan

June-July 2017

Intern at Mechanical Maintenance Department Ammonia Plant

Project A: "Replacement of Boiler Feed Water Valve in Ammonia Plant"

- Analyze current situation of valve
- Ensure safety measures
- Detail procedure to replace the valve
- Procurement of new valve and material for Bridgeman gasket

Project B: "Repairing and Maintenance of Lean Carbonate Solution Pump"

- Analyze damage caused by shaft failure
- Comparing new component with actual drawings
- Documents preparation for machining new shaft by vendor
- Analyze balancing new shaft on shaft balancing machine

PROJECTS

- Design of cross flow heat exchanger *for university with 5% more efficient system then currently installed*
- Automatic flow controller for friction flow apparatus *controlling the rotation of valve up to 1-degree angle*
- Passionate prisoners *research project that focus on prisoner educating themselves in prison and their impact on society*
- Selective Laser Sintering Machine (Final year project) *uses additive manufacturing process to sinter plastic powder layer wise using Laser controlled by computer numerical control (CNC)*

LEADERSHIP

American Society of Mechanical Engineering (ASME)

Director Operations

- Organized International Mechanical Engineering Convention (IMEC ' 2018)
- Conducted and evaluated Rapid Design and Human Powered Vehicle Competition

Sponsorship Head

- Lead a team of 4 team members and 6 volunteers

OTHER

- Proficient in Solid Works, CREO, ANSYS and Microsoft Office
- Fluent in English and Urdu