
## ABOUT ME

Ehtisham Naeem

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Date of birth: 10 Jul 1996 Nationality: Pakistani

Technically proficient Mechatronics Engineer with over 5 years of experience in Pakistan's Defence Production and Design industry. Demonstrated expertise in designing, modeling, maintenance, and commissioning of machines and equipment. Highly skilled in creating detailed mechanical drawings for Piping and Instrumentation, with a specialization in piping design. Proven track record in contracting and adept at managing construction professionals, delegating tasks effectively to maximize efficiency and ensure project success. Excellent leadership and management capabilities, ensuring seamless coordination and execution of complex engineering projects.

## WORK EXPERIENCE

[ 1 Oct 2021 – Current ] Mechanical technology engineer

# NRTC

City: Haripur | Country: Pakistan

Outline

Reporting to the Head of department, leading mechanical projects. Mechanical designing and fabrication of parts and products.

Key Responsibilities

·Utilize AutoCAD/SolidWorks software to craft innovative conceptual designs for mechanical equipment.

·Resolved production issues through root cause research, utilized various design engineering tools, and drafted Engineering Change Orders to implement product improvements.

·2D/3D modeling of complex components and assemblies using Solidworks, and AutoCAD.

·Perform finite element analysis on designs before manufacturing for optimization.

·Lead weekly design reviews with vendors, customers, and the internal team.

·Coordinated with aftermarket design team, manufacturing engineering team, and safety/compliance to optimize the cab to meet aftermarket, production, and legal requirements.

·Research and development for new products.

·Supervision of the mechanical project’s activities.

·Assist in formulation and monitoring implementation of QMS (Quality Management System) objectives by departments.

[ 8 Jul 2019 – 30 Oct 2021 ] Electromechanical engineer

# Qarshi Industries Pvt Ltd Hattar

City: Haripur | Country: Pakistan

Outline

Reporting to Head of engineering leading a multidisciplinary team.

Programming, designing, and maintenance of automation system and Coordination with production and Stores department to ensure smooth running of Machines/ equipment and production.

Key Responsibilities

·Created Machining and Fabrication drawings of pump components using Solidworks and AutoCAD.

·Applied finite element analysis to optimize the final design.

·Preparation of preventive and corrective maintenance plan for restoring electrical and instrument equipment as well as mechanical machinery to normal operating condition in a minimum amount of time, thus minimizing downtime and future failures.

·Tracking maintenance KPIs like Maintenance cost MTTR and MTBR in SAP.

·Productivity enhancement by taking steps to reduce plant wastage and increase output.

·Inventory and spare management for smooth operation.

·Developed functional design specifications for PLC, HMI

·Designing installation and maintenance of Automation infrastructure in the plant

·Managing engineering changes, maintenance workflow, and equipment documentation using the SAP system.

·Developed and reviewed engineering procedures, thus ensuring compliance with international standards of the organization (ISO 9001:2015) standards.

## EDUCATION AND TRAINING

[ 3 Apr 2020 – 23 Nov 2023 ] Masters of Science in Mechatronics Engineering

***University of Engineering & Technology Peshawar Pakistan***

[https://](https://www.uetpeshawar.edu.pk/) [www.uetpeshawar.edu.pk/](https://www.uetpeshawar.edu.pk/)

City: Peshawar | Country: Pakistan |

[ 3 Sep 2014 – 15 Oct 2018 ] Bachelors of Science in Mechatronics Engineering

***University of Engineering & Technology Peshawar Pakistan***

[https://](https://www.uetpeshawar.edu.pk/) [www.uetpeshawar.edu.pk/](https://www.uetpeshawar.edu.pk/)

City: Peshawar | Country: Pakistan |

## LANGUAGE SKILLS

DIGITAL SKILLS

### Mother tongue(s): Urdu

Other language(s):

English

LISTENING B1 READING C2 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1

*Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user*

My Digital Skills

Microsoft Office | Microsoft PowerPoint | Microsoft Word | Microsoft Excel