

# Muhammad Umair Naeem

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**Religion: Islam**

**Nationality: Pakistani**

**Domicile: District Lahore**

**Marital Status: Single**

## Objective

An aspiring Mechatronics Engineer with a zest for putting my technical skills to improve my society and to establish myself as a professional Engineer by working on challenging engineering issues in and getting hands on experience in a company with a motivating, competitive and learning environment.

## Education

	<b>Institution</b>
<b>BE MECHATRONICS</b>	Air University, Islamabad
<b>F. Sc. 12th Pre –Engineering</b>	Punjab group of Colleges, Lahore
<b>Matriculation 10th (Science Major)</b>	Laurel bank Public School System, Lahore

## Certifications

	<b>Institute</b>
<b>Project Planning</b>	National Institute of Design and Analysis
<b>MEP</b>	National Institute of Design and Analysis
<b>HVAC Design</b>	National Institute of Design and Analysis

## Semester Projects

- Operation of generators(DC,AC)
- Operation of Chillers and Boilers
- Digital Clock
- +/- 5V DC Power Supply
- Water Level Control system
- Line Tracking Robot
- Wall Follower Robot
- Implementation up-down counter on FPGA
- Arduino IOT: Temperature with Wi-Fi Serial Module
- Making Current Mirror
- Mini Refrigerator using Peltier
- Embedded System of Automatic Level Control Based on FPGA
- Making a Multiplexer
- ADC, DAC interfacing
- PWM programming and DC motor control in AVR
- Making Transformer
- Making Linear Actuator
- Motorized Scotch Yoke Mechanism
- Making Calculator in C Language
- Making ATM system ( CS Project)

## Final Year Project

### ENERGY HARVESTING FROM RAILWAY TRACK

With the reduction in energy utilization of convenient electronic gadgets, the idea of collecting sustainable power source in human encompassing stirs a reestablished intrigue. Energy gathering from rail track is for transportation security and observing so an effectiveness electromagnetic vitality collector highlighted with the mechanical movement rectifier (MMR) is configuration to recuperate vitality from the vibration-like railroad track avoidances actuated by passing trains to accomplish such an objective, we execute the MMR, a licensed movement change system which changes beat like bidirectional straight vibration into unidirectional rotational movement at a high proficiency. This design further enhanced our beforehand created movement instrument, expanded vitality gatherer productivity and extended power collecting potential

## Experience

### **PRODUCTION INCHARGE at AMS Supplies**

**(April'19- Conti..)**

- Maintained workflow by monitoring steps of the process setting processing variables observing control points and equipment monitoring personnel and resources studying methods implementing cost reductions developing reporting procedures.
- Planned and organized production schedules using Primavera P6.
- Assessed production plans and resource requirements.
- Maintained quality service by establishing and enforcing standards.
- Provided manufacturing information by compiling, initiating, sorting , and analyzing production performance records and data
- Kept strong relations with Supply Chain and Quality Control Departments.
- Organized Sales visit.
- Maintained accurate records and reviewed sales proformance.

### **MTO (Management Trainee Officer) at Pearl Continental, Lahore**

**(Sept'18-March'19)**

- Did work on maintenance of power plant.
- Conducted the operations of Generators, Engines, Heat Exchanger and Boilers.
- Learnt the operations of HVAC.
- Reported on Recommendations of power Plant by Descon Engineerings.
- Reported on conditions of Generators, Engines, Heat Exchanger, Chillers and Boilers.
- Reported on HVAC Designing using different software.
- Did Responsibilities of R&M (Repair and Maintenance) Manager.
- Attended trade exhibitions and meetings.

## **MECHANICAL ENGINEER at AL-Hadeed Engineers (pvt.) Ltd.**

**(May'18-Sept'18)**

- Inspected and supervised procedure until product meets Quality standards.
- Monitored Hazardous conditions.
- Handled responsibilities and pressure of meeting deadlines and targets.
- Implemented cost saving strategies and techniques.
- Estimated, negotiating and agreeing budgets and timescale.
- Set Quality Standards and procedures of all the incoming raw material according in ISO Standards.
- strive to maintain good relationships with existing clients, gaining repeat business wherever possible

## **INTERN at AL-Hadeed Engineers(pvt.) Ltd.**

- Worked in Quality Control Department (QCD).
- Collaborated with sourcing team.
- Provided information for safe and clean work environment.
- Developed and implemented departmental processes.

## **INTERN at PAKISTAN RAILWAYS**

- Worked in New Diesel Shed and Diesel Shed (Apprentice Training Center Moghalpura.
- Worked in maintenance and Repair department of Power generators
- Conducted the operations of Pakistan Locomotives (diesel).
- Worked in Quality Assurance and Quality Control Departments.
- Reported on Conditions of Pakistan Locomotives.
- Reported on Operations of double wheel Lathe Machine (underground)
- Reported on Operations of Relief Train

## Professional Projects

### Production bona fide

I accomplished manufacturing staff results by communicating job expectations; Planning, monitoring, and appraising job results; coaching, counseling, and Disciplining employees; initiating, coordinating, and enforcing systems, policies, And procedures

### Gas Cylinder Structure

Worked as mechanical engineer in project “structure of Gas cylinder” in accurate manner and technically, and demonstrated numerically and used scientific ability and problem-solving skills like SF Pressure and HAP4.9 as Mechanical Engineer

### Power Plant Maintenance

Worked as MTO in Pearl Continental, Lahore and did work and reported on maintenance of power plant and conduct the operations of generators, engines, heat exchanger and boilers using HAP4.9 Software for HVAC Designing.

### WASA Pipe Line to PC, Lahore

Worked as MTO in project “WASA Pipe Line” using SF pressure and pipe sizer softwares in PC, Lahore.

## Professional Skills

- Rivet (Done from National Institute of Design and Analysis)
- HAP4.9 (Done from National Institute of Design and Analysis)
- Pumpsizer (Done from National Institute of Design and Analysis)
- SF pressure (Done from National Institute of Design and Analysis)
- Primavira P6 (Done from National Institute of Design and Analysis)
- Proteus
- Quartus II
- Quartus IV
- Quartus V
- Arduino
- C++ Turbo
- MS Word
- PowerPoint
- MS excel
- MS office

## Personal Skills

- Communication skills
- Technical writing skills
- Punctual
- Good Learner
- Responsible
- Sincere
- Have ability to motivate others
- Good Speaker
- Can Work Separately and in group(Organizational /Managerial)
- Good Thinker

## Extra-Circular Activities

- Cricketer (opening -batsman)
- Snooker (Game)
- Swimming
- Hiking

## Language

- English
- Urdu

## Hobbies

- Riding
- Books Reading
- Inquiry