

Muhammad Umaid Ghauri

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A: B-169 Block 3 Gulistan-e- Jauhar Karachi, Pakistan

Date of Birth: 22/5/1994 Marital Status: Single Religion: Islam

Academic Qualifications

Qualifications	Year	Institution	Grades/GPa/%
M.Engg Mechanical	2021	NED University of Engineering & Technology (Energy Systems)	3.65/85%
BE Mechanical	2017	NED University of Engineering and Technology	3.21/79.1%
Intermediate	2013	Aga Khan Higher Secondary School	A+/86.45%
O Level	2011	Generation's School	A+/83.77%

Professional Experience

NED University of Engineering & Technology (Job, June 2021 to date)

Lecturer

- Appointed as Lecturer in the Mechanical Engineering department

MECHTECH ENGINEERS

(Job, June 2018 to June 2021)

Site Engineer MEP

- HVAC, Plumbing and Fire Fighting works.
- Tenders of different projects such as Allama Iqbal Hospital, Sialkot, Precision Engineering Complex, HVAC works of SIUT, Korangi, Peshawar General Hospital,
- HVAC works of different grid stations of SIEMENS KE in TP 1000 Project.
- Preparation of shop drawings, as built drawings
- Execution of numerous projects at site
- **P&G** for design, fabrication, and installation and commissioning of Fire Fighting system. Completely familiar with the HSE codes and work permits followed at P&G
- Supply, Installation & Commissioning of Fume Extraction system at Ressichem Pvt Ltd.

NOVATEX LIMITED (GATRONOVA)

(Job, Jan 2018 to May 2018)

Trainee engineer Maintenance

- Performed daily inspection of all the equipment of the Poly-Condensation plant
- Maintenance of several different pumps such as screw pumps, canned pumps, PD pumps and general centrifugal pumps, cooling tower, blowers, furnace pumps, high temperature oil pumps, Agitators of Reactors, chain conveyors, hoists, tilting stations.
- Installation & Commissioning of 30 tons AHU along with its ducting works and all the major repairs of existing piping.
- Supervised the complete overhauling of the primary high temperature oil pump
- OEM advised maintenance of the compressors which included the changing of diaphragms, rings seals and filters.
- Auto maintenance shop where major maintenance of diesel and battery lifter, tractors, bowser, fire tender is performed.
- HSE codes and work permits compliance such as COLD, HOT, CRITICAL.
- **ERP** software which was in house produced but is in par with **SAP**. It includes the work permits, inventory management systems, cost center, different types of schedules and report making etc.

International Automotive Engineers IAEPL

<http://www.intenggears.com.pk/>

(Intern, May 2016 to June 2016)

(Manufacturer of precision gears, pinions, pistons, crankshafts for Fiat tractors etc.)

- Assigned to seven different departments on weekly basis which were forging, gear cutting machines, CNC machine, heat treatment, mold making, machine maintenance and procurement.

MECHTECH ENGINEERS

(Intern, June 2015 to July 2015)

(Civil, Mechanical & Electrical Contractors)

<http://www.mechtechengrs.com/>

- 2D Auto-CAD for designing of Architectural and MEP drawing.
- Designing of architectural & plumbing drawings of IBA FCS building.
- Visited KPT (Karachi Port Trust) for the installation of High Mast lighting Towers including the civil construction of the foundation of towers.

Major Courses

Power Plant Engineering, Heat Transfer, Production Engineering, Refrigeration and Air-conditioning, Thermodynamics, Internal Combustion Engines, Mechanics.

Final Year Project

Simulation and Optimization of Water Desalination Plant

- ✓ Simulation and Optimization on Aspen-HYSYS
- ✓ Case study of different configuration on Multi Effect Desalination plant
- ✓ Effect of different input parameters on distillate

Skills and Interest

- ✓ Aspen-HYSYS (Simulation Software)
- ✓ **Auto-CAD 2D**
- ✓ **Pro E (3D designing software)**
- ✓ **MS Office**
- ✓ **MS Project**
- ✓ Fabrications of Machines
- ✓ Sustainable energy Innovations
- ✓ Electric Cars