

# Muhammad Hassan Habib

## MECHANICAL ENGINEER



An enthusiastic self-starter engineer with strong leadership and communication skills, proven academic achievements and possess the right technical and soft skills required to propel the organization achieving its goals and objectives and make the difference.

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## SKILLS

Microsoft Offices  
AutoCad  
Solidworks

Project Planning & Procurement  
Project Management  
Project Execution

HVAC Design & Calculation  
Plant Operation & Maintenance

## EXPERIENCE

### Plant Incharge

**Pal Cooling Holding LLC** *Feb 2020 - Present*

District Cooling Plant

Operation and Maintenance

TRANE CDHG Duplex Chiller

Equipments inspection

Record Plant and ETS Production

Handle the troubleshooting of Plant and Energy Transfer Stations

Data Logging of Plant and Energy Transfer Stations Calculate ETS Performance

Planned Preventive Maintenance

Raise Defects Note of Equipments for Corrective Maintenance

Preventive Maintenance of AHU and FCU

HVAC Load Calculation & Design

SCADA or I/O Remote controller

Descaling of Condenser and Evaporator Tubes

Eddy Current Testing of Condenser and Evaporator Tubes

Condenser water Treatment

Note the Plant parameters to make it more efficient

### Internship

**Fauji Fertilizer** *Aug 2018 - Sep 2018*

Urea Manufacturing Plant

Plant Mechanical Maintenance

Preventive Maintenance

Shutdown

Works on different shops i.e Machine Shop, Valve Shop, Fabrication Shop, Welding Shop etc

### Internship

**Pakistan Aeronautical Complex** *Jul 2018 - Aug 2018*

Mirage Rebuild Factory

Work on Mirage Jet Fighter

Maintenance, Overhauling and Assembly

NDI , Surface Treatment, Different Weldings etc

### Internship

**Descon Integrated Project Limited** *Jun 2018 - Jul 2018*

As a design Engineer

Engineering Procurement Construction Department

Design of Pressure Vessels, Heat Exchangers and Storage Tanks  
According to ASME , TEMA and API Standards and Codes

## PROJECTS

**Design Analysis and Optimization of Vertical Axis Wind Turbine based on combination of primary configuration**

**Designer** Sep 2018 - May 2019

**Design and Manufacturing of Injection molding Die**

**Designer** Sep 2018 - Jan 2019

**Manufacturing of speed & obstacle control vehicle using raspberry pi and sonar sensor**

**Team Player** Sep 2018 - Jan 2021

## EDUCATION

**Bachelor In Mechanical Engineering**

**The University of Lahore** Sep 2015 - May 2019

## CERTIFICATION

**IOSH Managing Health and Safety**

**Aspire Middle East Training Institute** 2021-02-18

**Basic First Aider**

**Aspire Middle East Training Institute** 2020-11-20

## LANGUAGES

Englisg

Urdu

## HOBBIES

Sports

Movies

Travel & Adventure Places

## PERSONAL SKILLS

Leadership

Fast Learner & Result Oriented

Team Player

Punctual & Responsible

## REFERRAL

As per demand