

Farjad Hasan Ansari

88-2D ASKARI V

MALIR CANTT KARACHI

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OBJECTIVE: To develop, design, create and modify mechanical equipment utilizing cutting edge of technology in finest professional, efficient and creative ways.

Education

- **2014 – 2018:** B.E Mechanical Engineering DHA Suffa University Karachi. CGPA 3.17
- **2012 – 2014:** Intermediate Karachi Board APS Malir Cantt Karachi. A grade
- **2010 – 2012:** O’level APS Saddar Karachi.

Final Year Project

“Design and fabrication of a ventilation and air conditioning system for technical laboratories”

‘Fresh air intake using conventional Split Direct Expansion Systems’

The conventional HVAC systems used for providing thermal comfort are Central and Direct Expansion systems. Although a Central system has the capacity to induce fresh air into a desired space, it is still not a viable option for small spaces and places where structure remodeling is not a possibility or is undesirable, on the other hand, a simple Split unit does not have the means to induce fresh air into a desired space. This project is therefore conducted to find an effective solution of providing fresh air through a simple Split unit, along with contaminant and humidity control by the implementation of a sophisticated control system.

Internship

- 07/2017 – 08/2017: Internship at Heavy Industries Taxila (**HIT**). Worked in DESCOM (Development Engineering Support and Components for tanks, APCs and mobile artilleries). Learning about the different processes that are required to develop a part and how they are assembled inside the tank. How the tanks are rebuild and upgraded. During this period a project was also designated in which a job was given to achieve a required shape by going through several machining process.

Projects

- Truss Bridge built using engineering techniques that can withstand the weight up to 40 kg.
- Designing and construction of an Elevator that can lift 10 kg of weight.
- Fabrication of a Robotic Arm to perform a designated task.
- Material Analysis of a given specimen using quenching, annealing, tempering etc.
- Fabrication of a remote control airplane for the Propellair competition held at NED University. Securing 5th position.
- Design and stress analysis of a bicycle seat using PTC CREO software.

Additional Skills

- PTC CREO
- Auto CAD
- Arduino
- Matlab
- C++
- Minitab
- Microsoft Office

Core Strengths

- Attention to details and problem solving skills.
- Good communication and leadership skills.

Personal Profile

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| ➤ Father's Name | Lt.Col Atif Manzoor Ansari (Retd) |
| ➤ Date of Birth | 1 st August 1996 |
| ➤ CNIC # | 42501-6667941-1 |
| ➤ Religion | Islam |