# MUHAMMAD FAHEEM KHAN

(M. Faheem Khan S/O M. Munir Khan) 3-Marla Scheme Near Punjab College PAF Road Mianwali, Pakistan.
923461736670
engr.faheemkhan89@gmail.com
www.linkedin.com/in/m-faheem-khan

## OBJECTIVE

A graduate mechanical engineer seeking opportunity to apply and improve technical skills. Who worked as Visiting lecturer and have moderate level skill in software like ANSYS, CREO and AutoCAD.

## EDUCATION

**BE Mechanical Engineering | HITEC University Taxila**
2013 – 2017
Studies focused on Principles and tools to analyze Mechanical problems.

**CGPA 2.98/4**

**Higher Secondary School Certificate | Abdul Razzaq Fazaia College Mianwali**
2011 – 2013
Studies focused on prerequisite to Engineering include subjects like Mathematics, Physics and Chemistry

**PERCENTAGE 78.81%**

**Secondary School Certificate | Abdul Razzaq Fazaia College Mianwali**
2009 – 2011
Studies focused on Mathematics and basic science subjects like Biology, Physics and Chemistry

**PERCENTAGE 81.71%**

## EXPERIENCE

**Visiting Lecturer | University of Sargodha, Sargodha**
18/09/2017– 28/2/2018
I taught "***Mechanical Technology Lab"*** at "***department of Mechanical Engineering".*** This introductory lab included experiments from *Mechanics of material* and Theory of *Machines*. I demonstrate experiments and recommend improvements in Lab.

**Internship | AGRITECH Iskanderabad, Mianwali**
20/06/2016– 19/07/2016
It was one-month Internship in which I observed maintenance of plant. I also supervised maintenance of pumps and several heat exchangers.

## SKILLS

- Good Communication Skills
- Moderate level skills in ANSYS
- Moderate level skills in CREO
- Moderate level skills in AutoCAD

## ACHIEVEMENTS

- Received **Best Final Year Project Award (2013-2018)**
- Appreciation Certificate for work in ASHRAE
- Appreciation Certificate for Communication Head in ASME

## FINAL YEAR PROJECT

**Topic: Aerodynamics Design of Unmanned Combat Air Vehicle and Verification of Preliminary Design**

A research based project which involves identification of threat, development of mission profile, aerodynamic design process (Example: calculation of the geometric dimension of wings, tails, fuselage etc.). Finally, evaluation and confirmation of all performance parameters was done using RDS. Based on calculations and dimensions a scale down model was produced. A comprehensive report was submitted in conclusion of the project.

## LIST OF SEMESTER PROJECT

**3D Modelling of Lawn Mower** (CAD Lab)

For CAD Lab, I successfully Modelled Lawn Mower in CREO by using Belt and pulley mechanism

**3D Modelling of Car**

For Engineering Drawing Lab, I successfully use AutoCAD for 3D modeling of Car.

**Development double crank bar Mechanism**

For Theory of Machine lab, we fabricated double Crank mechanism to demonstrate concepts learned in class.

**Development Automatic Light Switch**

For Instrumentation we use proximity sensor to demonstrate concepts learned in class.

## SELF TAUGHT SKILLS

**Analysis of 2D airfoil**

I used ANSYS (19 student Version) for turbulent model of Airfoil. I used k-Ɛ model for this analysis. I observed stagnation point and compared coefficient of lift and Drag with data posted on NASA website.

**Analysis of Wind Turbine**

I used ANSYS (19 Student Version) for analysis of Wind Turbine and I calculated Pressure variation along blade from ANSYS Fluent. Then these results were used in ANSYS Mechanical for structural analysis.