



# Hamza Faiz

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## *Mechanical Engineer*

**OBJECTIVE:** To work as a good professional in the competitive environment so that I could improve my knowledge and capabilities to put them to use for grooming my character and development of organization.

EDUCATION	INSTITUTION	YEAR	CGPA/%
• B.Sc. Mechanical Engineering	University of Engineering and Technology, Lahore	2014-2018	3.659
• F.Sc. (Pre-Engineering)	Government College University, Lahore	2012-2014	86.5%
• Matriculation	Lauralbank School System	2010-2012	94%

## PROJECTS

- **Low Head Hydro Turbine (FYP)**  
For my final year project, I have worked to design a Hydro Turbine which can be functional at a head of as low as 5-7 meters and then carrying out simulations on ANSYS for its proper working
- **Student F1 Chassis**  
To design the chassis of F1 on SolidWorks. I completed this project while I was a member of Automotive section of ASME UET (2014-2015)
- **Fuel Convertor**  
To design such a fuel convertor that utilized used vegetable oil to convert it to useful Bio-Diesel, a reliable source of alternative fuel. I did this project while I was a member of Renewable Section of ASME UET (2015-16)
- **Modified Refrigeration System**  
As semester project for Refrigeration and Air Conditioning in 6<sup>th</sup> Semester I, along my group members, worked on the modification of Vortex Tube Cooling and were able to reduce the required output temperatures by several degrees

## WORK EXPERIENCE

- **Engro Corporation, Karachi, Pakistan** Jun-Jul 2017  
*Engineering Intern*  
At Engro Corporation I was affiliated with Sindh Engro Coal Mining Company (SECMC). I was placed at the site of their ongoing power project under EPTL. During my time there, I developed a B.O.Q. for Underground Services which helped them in keeping a log about the progress.
- **Fauji Fertilizer Company, Mirpur Mathelo, Pakistan** Jul-Aug 2017  
*Engineering Intern*  
At Fauji Fertilizer Company I was placed at Mirpur Mathelo Urea Plant. During my time there, I learnt a great deal about plant maintenance and improved my technical knowledge regarding major fertilizer plant equipment.

- **EFE Foundation, Lahore, Pakistan**

**Jan 2016-Present**

*Campus Ambassador*

EFE (Education For Everychild) Foundation is an NGO run by the students of different institutes of Punjab. Its mission is to give every child its basic right of Education. Being affiliated with this organization I work as a Campus Ambassador of UET Lahore. Working as an ambassador it is my duty to indulge people around me to take part in this noble cause by any means they can while being a donor myself.

## ACHIEVEMENTS

- Stood 1<sup>st</sup> in Kangaroo contest in school (7<sup>th</sup> grade)
- Bagged 1<sup>st</sup> position in matriculation in school (All Campuses)

## ACADEMIC ACTIVITIES

- **Class Representative**  
Served as Class Representative in labs and workshops

**2014-2015**

## EXTRA CURRICULAR ACTIVITIES

- **Volunteer's Club, Mechanical Engineering Department, UET LHR.** **Aug 2017-Present**  
Working as an active member and event head of Volunteer's Club serving for Mechanical Engineering Department. While my time here, I have successfully led the team in organizing various seminars, workshops and sporting events for the faculty and students of the department.
- **ASME UET Chapter, UET LHR.** **Dec 2014-May 2016**  
During my time as a general member of ASME Working Body, I have been involved in event management for various technical and non-technical events namely;
  1. Assistant Manager for Blog Writing in UET Olympiad 2015
  2. Assistant Manager for Robo-Wars in UET Olympiad 2016
  3. Participated in project exhibition UET Olympiad 2015

## INTER-PERSONAL SKILLS

- Leadership and Managerial Skills as depicted by class leadership and organizing events
- Finesse communication and oration skill
- Equally eager and zealous in individual as well as team-working

## SOFTWARE SKILLS

- **CAD Design:** Solidworks, AutoCAD, Solidedge, ANSYS
- **Programming:** C++, Matlab
- **Technical Writing:** Microsoft Office

## HOBBIES

- Novels
- Travelling
- Watching and playing football
- Watching movies and seasons

## REFERENCES

References will be furnished on demand.