Muhammad Umar Shahid

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Objective

As an enthusiastic student of Mechanical Engineering looking for an internship opportunity to implement my theoretical knowledge in a practical manner, my main goal is to become the best engineer in my field to innovate new ideas for the ease of people and want to serve mankind from my knowledge for the betterment of the community. Hardworking is the best of my abilities to be in the best of an organization.

Education

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) — Topi, PK
Bachelors of Science in Mechanical Engineering — 2020 - 2024
CGPA: 2.76/4.00

KIPS College — Lahore, Pk
Pre-Engineering — 2018 - 2020
Grades: 973/1100

Work Experience

Team Urban — Topi, PK
Technical, Design and IT member. — 2020 - Present
Design and build the Team Website (Fully Responsive). Assist in the shell design of our car. The purpose of the team is to make fuel-efficient cars. Currently, we are working on the EFI to make it more fuel efficient. In the future we are supposed to work on the regenerative braking. system.

Photomath — Remote
Math Expert freelance at Photomath help 100s of students to understand math problems. — 2021 - Present

Upwork — Remote
I am freelance WordPress developer on upwork. Providing my services on this platform like content update, building websites. — 2022 - present

Final Year Project

Hydrogen Fuel Cell
Our project will be a hydrogen fuel cell producing hydrogen from water and using it in an effective way to reduce carbon emissions from the combustion reaction.

Academic Projects

Complex Engineering Problem Design of Machine Elements
Design and fabrication of 3D wire bending machine. It is a machine designed to bend the wire in all three axes and was fully functional and automated.

Complex Engineering Problem of Theory of Machine
Design of a four-bar mechanism to generate electricity from ocean waves.

Complex Engineering Problem of Fluid Mechanics
An experiment was performed to determine the surface tension of water and by using the same procedure surface tension of any liquid can be measured. We use the famous Luqas-Washburn equation to accomplish this task,

Complex Engineering Problem of Thermodynamics
Perform the analysis of the power plant. In this specific CEP, we have done the energy and exergy analysis of the main components of the power plant such as turbines, boiler pump.

Complex Engineering Problem of Mechanics of Solids
Designed a Cantilever beam to withstand distributed load and optimized the dimensions using MS Excel. FEA was performed using SOLIDWORKS simulation to validate the calculated results.

Awards & Achievements

- Certificate of course completion Essential training of MS-Excel (LinkedinLearning)). Earned extra 5.0 credits by passing their NASBA test.
- Certificate of Master in SolidWorks (LinkedLearning)
- Certificate of CFD analysis of centrifugral pump (Coursera).

Skills

- Solidworks, Creo Parametric
- Microsoft Excel, Word, Powerpoint
- Wordpress
- HTML, CSS
- ANSYS