Abdullah

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Gulbahar Colony, Risalpur
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Objective

I am a highly motivated and dedicated undergraduate student with a strong passion for contributing to the success of your business. Seeking an opportunity to utilize my creativity, hard work, attention to detail, and organizational abilities to make a meaningful impact. I am committed to professional growth and eager to gain invaluable experience to serve the community and society.

Education

Ghulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI) — Topi, PK
Bachelors of Science in Mechanical Engineering — 2020 - 2024
CGPA: 2.85/4.00

Islamia College Peshawar — Peshawar, PK
Intermediate — 2017 - 2019
Grades: A (85.27)%

Work Experience

Photomath — Online Website
Sep 2021 - Nov 2022
As an online tutor for photomath, I used to answer students questions about mathematics topics like algebra, geometry, and calculus while adhering to the site's terms and conditions.
https://photomath.com

Academic Projects

Design and structural analysis of a Cantilever Beam
I was involved in a project to design a cantilever beam capable of withstanding a 500 Nm torsional load and a triangular distributive load of 1 kN/m. The design adhered to the Tresca Criteria, achieved a maximum load-to-weight ratio, and maintained a minimum safety factor of 2. Solidworks and Excel were used for mechanical analysis, while MS Word was utilized for the final report

Design and Fabrication of 3D Bending Machine
Designed and developed a 3-D bending machine incorporating precision gears and high-performance bearings, resulting in enhanced efficiency and accuracy. Engineered with meticulous attention to detail, the machine delivers superior bending capabilities, enabling streamlined production processes and ensuring consistent, high-quality output. The maximum bending diameter was 5mm.

Design of Water Pump using Four-Bar Mechanism
Designed and developed a water pump using a four-bar mechanism using the concepts studied in theory of machines. This project involved creating an efficient and reliable system for pumping water, demonstrating our proficiency in mechanical design and innovation.

Exergetic and Energetic Analysis of Steam Power Plant
After examining each component of the power plant, it was determined which one had the highest Exergetic and Energetic losses. Then different iterations were performed under varying environmental conditions to increase the component efficiency.
EES, Excel, and MS Word were used in calculations, analyzing, plotting and drafting our final report.

Design of Automobile Suspension System
A comprehensive study was conducted on the design and analysis of an automobile suspension system using the principles of mechanical vibrations. The goal was to develop a mathematical model and explore the effects of various parameters on the deflection of the system.
Through MATLAB simulations and analytical calculations, valuable insights were gained regarding the behavior and performance of the suspension system. project

Awards & Achievements

- Member of executive council in IMechE.
- Member of AIAA and GSS.
- Studying in GIKI on CM KPK Scholarship.
- Captain of GIKI Cricket Team.
- Winner of T-10 tournament including IQRA, FAST and NUST university.
- Most successful batsman of GIK Cricket Team scoring the fastest 1000 and 2000 runs in two consecutive years.
- Contributed to flood relief efforts by organizing and managing a camp, providing crucial medical equipment and food supplies.
- Demonstrated adaptability, resilience, and strong organizational skills in a high-pressure environment while making a positive impact on the lives of those affected by the disaster.

Skills

- Softwares: MSC Adams, MS word, MS excel, SolidWorks, Creo Parameteric, MATLAB, Imagej and PowerPoint
- Languages: English, Urdu, Pashto
- Other skills: Conflict Resolution, Interpersonal communication, Organization and management