



MUHAMMAD SHAKEEL



MECHANICAL ENGINEER



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Seeking a challenging position in a renowned and esteemed organization that provides an opportunity to learn as well as demonstrate skills acquired over the course of my professional careers in a competitive environment that utilizes my strengths and enables me to contribute for organization in professional way.



EDUCATION

BE Mechanical Engineering	Air University, Islamabad, Pakistan
2013-2017	CGPA 3.53/4.00
F.Sc. (Pre Engineering)	IMCB G-10/4 Islamabad
2011 - 2013	Marks 850/1100
Matriculation	IMCB G-9/4 Islamabad
2009 - 2011	Marks 877/1050



EXPERIENCE

Organization:	Total Technologies (Pvt.) Ltd
Position:	Site Engineer / Representative Engineer
Duration:	08 Months (January 18 - August 18)
Responsibility:	My responsibilities are to manage the labor, doing documentation work according to FIDIC contract with Client and Consultant which was NESPAK involves maintaining DPR, MPR, making IPC and executing the work on site according to the given Construction Drawings.
Organization:	Mirage Rebuild Factory, PAC Kamra, Punjab, Pakistan
Position:	Internee Engineer
Duration:	03 week Internship (August 2016)
Summary:	Internee Engineers were briefed with the ongoing processes and a complete plant overview was presented.



PROJECTS



Final Year Project: Design and Analysis of Small Scale Portable Wind Turbine.

Description: A small scale wind turbine that is optimized for the constraints that come with residential and camping purpose for hilly areas. Design process includes the selection of the wind turbine type and the selection of the blade aerofoil, pitch angle distribution along the radius, and chord length distribution along the radius and then comparing of analytical with experimental result. Modeling a three-dimensional CFD model of small horizontal axis wind-turbine using Solidworks. This three-dimensional model was then used for calculating the performance of a small horizontal axis wind turbine. After that validation of mathematical results with the CFD results.



Semester Projects

- Design, Analysis and GCode generation of a Spur gear using Solidworks, ANSYS and MeshCAM.
- Design and Fabrication of Water Mill.



SKILLS



Specialties

Committed & Responsible
Effective Communication
Team Work



Technical Skills

Solid Works, AutoCAD
Ansys (Workbench)
Qblade, Microsoft Office



Languages

English
Urdu
Punjabi