

MUHAMMAD DANIAL

CNIC: 37105-0199670-1

Address: House# 13, Sector S1, HIT, Taxila Cantt

E-mail: danialmuhammad54@yahoo.com

Cell No :+92-343-9596689

PERSONAL STATEMENT

I am highly motivated, enthusiastic, active team member ready to positively contribute my engineering knowledge, managerial and administrative skills to the organization's corporate or departmental objectives, while acquiring valuable experience. I shall offer honest and dedicated services for the satisfaction of my own self and my superiors, resulting in enhancing my existing skills to help me advance professionally and in benefitting the organization.

ACADEMIC QUALIFICATION

BS MECHANICAL ENGINEERING

2017

HITEC UNIVERSITY, TAXILA

1st Division
CGPA 3.07

INTERMEDIATE, PRE-ENGINEERING

2013

FAUJI FOUNDATION COLLEGE FOR BOYS, RAWALPINDI

1st Division
(789/1100)

MATRICULATION

2011

FAUJI FOUNDATION SCHOOL FOR BOYS, KHAUR

1st Division
(913/1050)

INTERNSHIP

July'16 to August'16

Internee at Heavy Mechanical Complex (HMC), Taxila

The internship gave the opportunity to learn how work is managed in the Heavy Mechanical Complex. From Fabrication shop to Production and Planning Control, a good exposure to Non-Destructive Testing Lab, Machine Shop, Technology Department and Steel Foundry was received. Processes like Welding, Cutting, Formations, Heat Treatment Methods, Forging and Casting as well as Molding were studied. Finally, Assembly Shop and Inspection methods in Quality Control showed how a product is finalized and moved on.

ACADEMIC PROJECTS

FABRICATION OF MODIFIED DRUM BRAKE MECHANISM

Drum Brake Mechanism was manufactured by creating a card board prototype to get the correct dimensions that would work for mechanism. Iron drum brake mechanism was then manufactured mainly through the process of cutting, grinding and installing bearings.

DESIGN AND FABRICATION OF A SMALL SCALE SOLAR STEAM GENERATOR

The main aim of this final year project is to design, fabricate a small scale solar steam generator in order to generate steam from sun's radiant energy with the help of a parabolic solar concentrator and with cooking oil as working fluid which exchanges heat with water in a separate heat exchanger.

COOLING LOAD CALCULATION FOR MECHANICAL DEPARTMENT, HITEC

The idea behind this project was to determine the number of Air-conditioning units required in Mechanical Engineering Department of HITEC University, Taxila.

LINE FOLLOWING CAR USING LOGIC GATES

The crux of the project was to design a line following robot, which follows a certain path using LOGIC gate(s), motor driver and infrared sensors only.

PERSONAL SKILLS

- Teamwork & Leadership
- Report Writing and Communication Skills
- Troubleshoot problems and Managing People
- Checks and Balances
- Honesty and Integrity
- Self-confidence
- Positive Attitude

TECHNICAL SKILLS

- Computational Fluid Analysis using ANSYS (Fluent, ICEM)
- Structural and Thermal Analysis Employing FEM Methodology in Ansys (Workbench)
- Microsoft Office
- Auto Cad
- C++
- MATLAB
- CREO
- CNC Programming

ACHIEVEMENTS

- Secured 1st Position in Industrial Technovation (**GIKI UNIVERSITY**)
- Secured 1st Position in Bridge Designing Competition (**IST University, Islamabad**)
- Secured 2nd Position in English Debate (**Inter-School Competition, FFSB BASAL**)
- Secured 2nd position in Scavenger hunt (**MCS, NUST**)

INTERESTS

- Cricket
- Meteorology
- Freelancing (Transcriptionist)
- Badminton

REFERENCES

Reference will be furnished on demand.