JAMAL ASGHER

Flat # 206 block 2 |Alghurair DHA RESIDENCY | DHA PHASE 2 |Islamabad | Pakistan
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PERSONAL DATA

Date of Birth:	6th February, 1996
Place of Birth:	Pattoki, Pakistan
Marital Status:	Unmarried
Nationality:	Pakistani
Father Name:	Malik Muhammad Asgher Bhatti
CNIC:	35101-3396424-3

EDUCATION

2014 –2018: **B.Eng. (Mechanical Engineering)**
***Grade**: 2.9/4.00*
Institute of Space Technology Islamabad, Pakistan

2012 –2014: **Intermediate (HSSC)**
***Grade**: 80%*
Forman Christian College, Lahore

2010 –2012: **Matriculation (SSC)**
***Grade**: 90%*
Aligarh Public School, Manga Lahore

Achievements

Filed Provisional **Patent** in IPO Pakistan on "**The use of organic Fibre Reinforced Polymer Composite for manufacturing of small Hydel Power Turbine**".
Research Paper on "**Mechanical Characterization of Jute/Sinny Fibre Reinforced Polyester Composites"**
and **"Designing of Kaplan Turbine Propeller using Jute reinforced Polymer Composite"**
Worked With **UMEED-A welfare Society**
Worked as organizer in annual events of university like World Space Week, IST Youth Carnival
Represented Institute of Space technology at HEC and Inter University Hockey and Cricket Competitions.

PRACTICAL EXPERIENCE

10.2017 –07.2018: **Bachelor-Design-Project | Institute of Space Technology, Islamabad, Pakistan**
"The use of organic Fibre Reinforced Polymer Composite for manufacturing of small Hydel Power Turbine"

06.2018 – 09.2018: **Internship | Maqbool Enginneerings, Sahiwal Pakistan**

- Study of storage tanks.
- Study of pumping system of petrol and fire water.

07.2017 – 08.2017: **Internship | Innoviatech Industries, Pakistan**
Work on mechanical workshop machines i.e. CNC milling, hydraulic press, lathe, designing of dies and furnaces testing etc.

01.2017_06.2017: **Internship R&D department IST, Islamabad**
Design and development of wind turbine, mechanical braking system of turbine for extreme weather conditions

ACADEMIC / OTHER PROJECTS

- Design Study of Solar Wind Hybrid Power generation System
- Design of a Pelton wheel turbine
- Analysis on crankshaft of diesel engine
- Vibration model of energy harvesting from footsteps
- Design calculations of a reciprocating engine
- Analysis of Pressurizer of a nuclear plant on Ansys
- Design of a conveyor belt system for a packaging company
- Design of lab equipment for heating of fluid through a pipe
- Design of a hand powered Tricycle
- Design study and modifications in assembly of USP 2 Pump
- Design of asphalt based solar thermal system
- Design, analysis and manufacturing guide of solar powered wheel chair
- Design of a Gasket cutting Machine
- Broadcasting Model for estimating solar radiation in Dammam area
- Design of Thermal Power Plant System
- Design and manufacturing of hydraulic lift for vehicles
- Design, analysis and manufacturing of a reciprocating pump
- HVAC design for the hostel Building
- Design study of Gas turbines
- Design and Manufacturing of Truss Bridge
- Designing a C++ based program for ticket system of Airport
- Comparative Study of Suspension systems used in vehicles

IT-SKILLS

Comp.- Aided-Design:
- CREO Parametric 2.0
- Solids Work

Finite Element Analysis:
- APDL 16
- ANSYS Workbench

Programming:
- Scientific (MATLAB)
- Lab View
- Microsoft Visual Studio (C++)

Documentation:
- MS Office (Word, Excel, PowerPoint)

Operating System:
- Windows

Interest & Activities

Hockey, Volleyball, Research on different energy harvesting Techniques, 3-D Designing, Hiking and Adventure Trips, Music, Cycling, Innovation based Documentaries