

MIAN MUHAMMAD NAJAM-UL-HASSAN



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PERSONAL DATA

Date of Birth **08-03-1998**
Place of Birth **Jhang, Pakistan**
Marital Status **Unmarried**
Nationality **Pakistani**



ACADEMIC

2014 ~ 2018 **BS (Mechanical Engineering)**
Grade: 3.06/4.00
Institute of Space Technology Islamabad, Pakistan

2012 ~ 2014 **Intermediate (HSSC)**
Grade: A (77%)
Federal Board of Intermediate and Secondary Education (FBISE), Pakistan

2010 ~ 2012 **Matriculation (SSC)**
Grade: Distinction (88.1%)
Federal Board of Intermediate and Secondary Education (FBISE), Pakistan

RESEARCH EXPERIENCE

Oct 2017 ~ Jul 2018 **Design & Development of Combustion Chamber for Small Jet Engine**
Bachelor Design Project at Institute of Space Technology, Islamabad, Pakistan

- CFD Analysis
- Design Optimization
- Fabrication of a Prototype, including testing

Jul 2017 ~ Sep 2017 **Study of Solar PV System**
Internship at NESCOM, Islamabad (Leading Defense R&D Organization)

- Feasibility Report
- Report on small domestic solar power system

FIELDS OF RESEARCH INTEREST

- Thermodynamics
- Power plants
- Energy Production
- Software Modeling and Analysis

ACADEMIC / OTHER PROJECTS

- Fabrication of Hydraulic Robotic Arm.
- Fabrication of four wheel steering system.
- Research paper on four wheel steering system
- Thermal Analysis of Heat Exchanger as a Semester Project in Heat and Mass Transfer (Subject)

IT-SKILLS

Computer Aided Designing	CREO Parametric 2.0	Good
Finite Element Analysis	APDL 16 ANSYS Workbench	Good Excellent
Programming	Scientific (MATLAB) Lab View C++	Basic Knowledge Basic Knowledge Good
Documentation	MS Office (Word, Excel, PowerPoint)	Good
Operating System	Windows	Excellent

SPOKEN LANGUAGES

English	Fluent
Urdu	Native

HOBBIES

- E-gaming
- Sports
- Book reading