

PERSONAL INFORMATION


Imtiaz Alam Shah

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State personal website(s)

+92-346521454

Sex Male | Date of birth 07/10/1993 | Nationality Pakistani

APPLIED FOR

WORK EXPERIENCE

1st January, 2018 to date

Lab Engineer

International Islamic University Islamabad, (https://www.iiu.edu.pk/?page_id=8090)

- Experienced Mechanical Engineer with good technical and teaching skills.
- Perform practical experiments to under-grade students where theoretical and practical demonstrations of different machines and apparatuses to perform experiments, retrieve results & draw logical conclusions.
- I have taught various labs including Engineering Mechanics-I (Statics), Engineering Mechanics-II (Dynamics), Computer Aided Design, Mechanical Vibrations and Numerical Analysis & computation on Outcome based education system defined for engineering programs in Washington accord.
- I also contribute in other matters related to the students and department including conference arrangements.

Education sector

(08-08-2014 to 03-09-2014) **Internee**

Heavy Mechanical Complex Taxila, (<https://hmc.com.pk/>)

- I was lucky enough to work in one of the reputable dedicated institution of Mechanical workshops of government sector during my under-grade studies.
- I was familiarized with different departments of organization including Fabrication, Machine shop, Production, Planning & control, Assembly shop, Heat treatment, NDT laboratory, Material testing laboratory, Pattern shop and forging unit etc.
- we had to undergo daily visits along with professional and skilful engineers & professionals to make us understand about various processes and activities happening over there.

EDUCATION AND TRAINING

8th January, 2018 to date

MS in Mechanical Engineering

International Islamic University Islamabad, Pakistan

- Thesis: Finite Element Analysis Simulations of Ballistic Impact on Auxetic materials.

10/09/2012 to June, 2016

BS in Mechanical Engineering

International Islamic University Islamabad, Pakistan

- Thesis: Design and fabrication of Desiccant Dehumidifier with Evaporative Cooling System.

PERSONAL SKILLS

Mother tongue(s)

Pashto, Urdu

Other language(s)

UNDERSTANDING	SPEAKING	WRITING
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	Listening	Reading	Spoken interaction	Spoken production	
English	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
	Replace with name of language certificate. Enter level if known.				
Urdu	Proficient user	Proficient user	Proficient user	Proficient user	Proficient user
	Replace with name of language certificate. Enter level if known.				

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills

- I am fortunate to have good communication skills as these are being polished to its best of level having been in academia for two years. Where I need to deliver lectures and interact with students and their parents.

Organisational / managerial skills

- I am in-charge of Mechanics lab in our department where I am leading around all activities of lab having supported by my team members in true spirit. Due to team work our lab is being appreciated by labs manager and another senior official.

Job-related skills

- I am one of the key responsible officials of our department as I look after an activity related with official meetings and maintain its record in the form of minutes.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Proficient user	Independent user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificates

- ANSYS Workbench, Explicit Dynamics
- Creo-Parametric
- MATLAB
- Solid works
- Pro-E
- HAP
- MS Office

Other skills

- Teaching
- Gardening

ADDITIONAL INFORMATION

Projects In under-grade I carried out various projects as requirement of subject courses like:

- Design and fabrication of horizontal water current turbine in 3rd semester.
- Animation & assembly of GEAR TRAIN on 'PRO-E' in 6th semester.
- Manual and software heating & cooling load calculations of Engineering Mechanics-I (statics) lab, DME, FET, IIUI as a project in HVAC subject.
- Leading final year project team.

Conferences I have been an organizer in international conference on Power Generation systems & Renewable energy technologies held in 2018 in Islamabad, (<https://www.iiu.edu.pk/conferences/pgsret2018/index.html>)

Memberships Pakistan Engineering Council, Registered Engineer, (<https://portal.pec.org.pk/Dashboard>).(MECH/32196)

References

- **Dr. Engr. Saeed Badshah**
Associate Professor
Department of Mechanical Engineering
International Islamic University Islamabad
Email: saeed.badshah@iiu.edu.pk
- **Engr. Muhammad Amjad**
Labs Manager/Assistant Professor
Department of Mechanical Engineering
International Islamic University Islamabad
Email: m.amjad@iiu.edu.pk

Certifications

- Certificate of participation in workshop, "Enhanced Energy Recovery"