


PERSONAL	PERMANENT ADDRESS	
Pakistani Single Born 12 September 1982. Email: <a href="mailto:itsihtsham@hotmail.com">itsihtsham@hotmail.com</a> Web: <a href="http://www.ihtsham.com">www.ihtsham.com</a>	Ward#3 Near DC Office, Bhimber City Bhimber 10040, Azad Kashmir, Pakistan. Home: (0092)-5-8284-44370 Mobile: (0092)-300-62 305 81	

**PROFILE**

A HIGHLY ADAPTABLE ENGINEER with a total of 4 years' experience on Multiple Design Projects of Mechanical Systems, having expertise in:

- 3D/2D Conceptual Design of Mechanical Systems.
- Engineering Design & Optimization.
- Computer Aided Design & Manufacturing.
- Thermal Analysis & Simulation talents.
- Strength of Materials, Materials characterization & evaluation for Design Optimization.
- Supervisory and Team Leadership Competence.
- Technical problem-solving & time oriented task management talents.

**QUALIFICATION**

- 4–Years Bachelors Degree in Mechanical Engineering from UET Lahore, Pakistan, with an aggregate of 80% marks.

Subjects Studied:

Engineering Mechanics, Mathematics, Manufacturing Technology, Machine Design & CAD, Mechanics of Materials, Production Management, Finite Element Analysis, Machine Tools, Engineering Management, Thermodynamics, IC Engines.

- Post Graduate diploma in Project Management from Skill Development Council, Islamabad, Pakistan.

**WORK EXPERIENCE**

Simulation Pvt. Ltd, Lahore.

Oct 2009 up till now

*Lead Engineer*

Key Responsibilities:

- Simulation Pvt. Ltd, head office based in München Germany, is the premier engineering design and consultancy company in Pakistan, specialised in the engineering and analytical related services for the automotive and industrial sectors. I have joined it recently as Lead Engineer having prime responsibilities of design & analysis of different components regarding projects from automotive industry of Germany and Pakistan.

Sally Home Group, Al-Jubail, Saudi Arabia.

May 2008 to Nov 2008

*Project Engineer*

Key Responsibilities:

- I was appointed to plan & monitor a newly started project, a Galvanizing Plant. It's simply a work to get hands on project management, which surrounds around activities like initial concept drawings generations, meetings & evaluation of the contractors to the construction & erection of building structure according to the TDP (technical data pack) drawings specification and project plan.
- Practicing Project planning using Primavera® 5.0, planning and scheduling of all engineering and/or construction projects activities,
- Defining the scope of work from available engineering data pack, mobilization of the manpower, monitoring and reporting the completed work to the project manager.
- Technical assistance to surveyors in interpreting specifications & plans and estimating quantities of materials (BOM), manpower and equipment requirements.

Advanced Engineering Research Organization, (AERO) Wah Cantt, Pakistan.

Feb 2006 to April 2008

*Assistant Project Manager (Design)*

Key Responsibilities:

- Detail design (3D) of structure/piping/mechanisms, design optimization & validation, drawing generation using Pro/Engineer.
- 3D prototyping using Advanced Surface Design Extension (ASDX).
- Solid modelling of complex components and assemblies, using Pro/Engineer Wildfire.
- Mechanism design and motion analysis using MSC.VisualNastran®.
- Finite element (FEA) structural & thermal analysis of metallic parts using ANSYS Work Bench.
- Supervision of integration of parts/assemblies according to the defined assembly/sub-assembly instructions.
- Bill of materials (BOM), assembly & moulds creation for metallic & composite components.
- Project management using Primavera® as a tool starting from project initiation, planning, successful execution & finally enclosure of design projects.
- Producing all the design calculations required to prove the operation, functionality and fitness for purpose of the new designs.

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**COURSES**

- IELTS (International English Language Testing System) scored 6.5 bands, IELTS, Australia.
- One week workshop training on Project Planning & Control by Skill development Council, Ministry of labour & manpower, Government of Pakistan, Islamabad..
- Five day training on strength of engineering materials, AERO.
- Certificate in Advanced Surface Modelling & Aesthetics design.
- Certificate in Web & Graphics design, NetZone Computer College, Bhimber.
- One week course on Multi-Disciplinary Design Optimization, AERO.
- Two week In house departmental training on Pro/Engineer®, AERO.
- Two week In house departmental training on Project Management, AERO.
- One week training on thermal analysis using ANSYS® Workbench, NIDA, Lahore.

**PAPERS PUBLICATIONS**

- *Imran Sajid Shahid, M. Ihtsham Hashmi, "Mould Designing and Analysis of Composite Hockey"*, paper presented in 9th International Symposium on Advanced Materials (19th to 22nd September, 2005), Islamabad, Pakistan.

**PROFESSIONAL**

- Member American Society of Mechanical Engineers (ASME).
- Member Pakistan Engineering Council (PEC).

**COMPUTER LITERACY****Engineering Design & Analysis Software**

- Pro/Engineer Wildfire 3
- MSC® NASTRAN
- CAE ANSA®
- MSC® visualNASTRAN
- AutoCAD® 2006
- ANSYS® Work Bench
- MATLAB®
- SAP PM

**Project Management & Others**

- Primavera® Project Planner
- Microsoft® Project Planner.
- Graphics & Web Designing
- Microsoft Office XP.
- Windows VISTA & XP.

**LANGUAGE PROFICIENCY**

LANGUAGE	Writing	Speaking	Listening
English	Excellent	Excellent	Excellent
Punjabi	Excellent	Excellent	Excellent
Urdu	Excellent	Excellent	Excellent

**ACHIEVEMENTS & CO-CURRICULAR ACTIVITIES**

- I scored 4<sup>th</sup> position in whole country in Higher Secondary School (HSS) exam.
- I was awarded Teacher of the Year Award, during my one year teaching experience.
- Scored 3<sup>rd</sup> position in first term & 2<sup>nd</sup> position in 7<sup>th</sup> term during university exams.
- Worked as Lab Engineer in CAD CAM lab of my University for one year during my Bachelor studies..
- Remained active member of Hostel Mess Management committee.
- Remained active member of university Blood society, Dramatic & Literary society.
- Volunteer worker for Civil Defence Organization of my city.
- Currently member of visiting faculty of my Ex-school, from where I got HSS certificate.
- I used to play Badminton & cricket, & as a pastime used to watch English action & adventure movies.

**REFERENCES**

<p><b>Professor Dr. Riaz Mirza</b>            Head of Department, Mechanical Engineering Department            Rachna College of Engg. &amp; Tech., Gujranwala.            University of Engineering &amp; Technology            Lahore, Pakistan.            Phone: +92 (42) 9029467            Fax: +92 (42) 9250202            Mobile: (0092) 3004892868            Email: <a href="mailto:mriazmirza@uet.edu.pk">mriazmirza@uet.edu.pk</a></p>	<p><b>Zulfiqar Ahmad</b>            Mechanical Site Engineer            Arabian BEMCO, Qurayyah Power Project #2            Dammam, Saudi Arabia.            Mobile: (00966) 554900755            Email: <a href="mailto:zahmad@bemco-qur.com">zahmad@bemco-qur.com</a></p>
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This resume & all of my educational achievements with portfolio can be accessed at my personal web site: [www.ihtsham.com/portfolio](http://www.ihtsham.com/portfolio)

CV compiled January, 2010.