**ENGR. AYESHA**

[**AYESHA.371819@2freemail.com**](mailto:AYESHA.371819@2freemail.com)

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| **Objective** |

To realize my true potential by working in an environment that is conducive to hard work and creative thinking, where I seek responsible and rewarding position and ensure long term career development and growth opportunities.

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| **Academic Qualification** |

**M.S Manufacturing Systems Engineering** Session: 2012

Department of Industrial Engineering, UET Peshawar

CGPA: **3.77/4.00** (94.25%) **1st Division**

**Title of M.S Research Thesis:**

“An Integrated approach for the operational design of Cellular Manufacturing System (CMS) using Hybrid Genetic Algorithm (HGA)

**B.Sc. (Hons.) Mechanical Engineering** Session: 2010

Department of Mechanical Engineering, UET, Peshawar.

CGPA: **3.15/4.00** (76.52%) **1st Division**

**F.Sc. Pre-engineering** Session: 2006

Fazaia Degree College MRF, Kamra.

Marks: **888/1100** (80.72%) **Outstanding/Grade: A1**

**S.S.C** Session: 2004

Fazaia Degree College MRF, Kamra.

Marks: **736/850** (86.58%) **Outstanding/Grade: A1**

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| **Work Experience** |

**Junior Lecturer: (Oct-2012-Continue)**

Working as a Lecturer at Wah Engineering College (WEC), Wah Cantt.

**Courses Taught:**

* Heat and Mass Transfer
* Fluid Mechanics Hydraulics and Pneumatics
* Materials and Manufacturing Processes

**Labs Conducted:**

* Fluid Mechanics
* Thermodynamics
* Mechanics of Materials
* CAD Lab(Creo Software)
* Digital Logic Design
* Fluid Mechanics Hydraulics and Pneumatics
* Engineering Statics

**Teaching Assistant/Lab Engineer: (September 2011-Oct 2012)**

Worked as a Teaching Assistant and Lab Engineer at **Ghulam Ishaq Khan Institute of Engineering Sciences and Technology**

**Assisted Courses:**

* Thermodynamics I
* Mechanics of Solid

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| **Internship** |

* Internship in **Pakistan Ordnance Factories, Wah Cantt**, in POFIT, Weapons, and Services Departments from July 27, 2009 to August 22, 2009.
* Internship in **Pakistan Aeronautical Complex, Kamra**, in Miraj Rebuild Factory (MRF) and F-6 Rebuild Factory (F-6 RF, Kamra) from July 21, 2008 to August 16, 2008.

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| **Workshops, Seminars & Conferences** |

* Attended a one day workshop on personal and professional grooming.
* Attended a one day workshop on Quality Management System IS0 9000-2008.

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| **Awards& Achievements** |

* Awarded with Shaheen Merit Scholarship for five years.

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| **Projects** |

**Final year project:**

“Design and Construction of a frictional brake Absorption dynamometer using Electrical Strain gauges.”

Designed and constructed an innovative and indigenous Frictional-Brake Absorption Dynamometer in order to calculate the Power and Torque of the low speed prime movers (e.g. wind turbines, micro-hydro turbines) and installed it in the Instrumentation Laboratory of the Mechanical Engineering Department at NWFP UET Peshawar.

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| **Extracurricular Activities** |

* Faculty In charge WEC Social Services Club
* Treasurer of Joining Hearts Social Services Society
* Member of Hope Social Services Society

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| **Computer Skills** |

* PTC-Pro/ENGINEER Wildfire 5.0/Creo parametric 3
* MATLAB

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| **Research Publications** |

Published a Research Paper on “Makespan as a design tool for Cellular Manufacturing System (CMS) design” in International Conference on Emerging Technologies (ICET) 2015

Objective