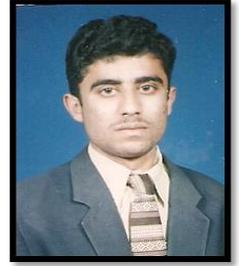


# Curriculum Vita

## ENGINEER NOOR RAHMAN

M-PHIL MECHANICAL ENGINEERING



**OBJECTIVE:** As an Engineer; I dedicate my Professional knowledge & Skill to the Advancement & Betterment of Humanity, to give the utmost of performance, Live & work according to the laws of the Organization and place service before profit.

### PERSONNEL INFORMATION:

<b>Father Name:</b>	Habib Ur Rahman
<b>Date of Birth:</b>	01-02-1985
<b>Email:</b>	<a href="mailto:noor.rahman@iiu.edu.pk">noor.rahman@iiu.edu.pk</a>
<b>Cell Number</b>	03481913209

### EDUCATIONAL RECORD:

Qualifications	year	Marks/CGPA		%age	Div/ Grade	School/College/University
		Total	Obtained			
Metric Science	2002	850	629	74	1 <sup>st</sup> /A	Government High School No.2
F.Sc Pre Engg	2004	1100	840	76.36	1 <sup>st</sup> /A	Government postgraduate College
B.Sc Mechanical Engg	2008	4	2.89	72.25	1 <sup>st</sup> /A	NWFP University of Engineering & Technology, Peshawar
MS Mech Engg	2014	4	3.95	98.75	1 <sup>st</sup> /A	International Islamic University Islamabad
PhD Mech Engg	2020	4	4	Continue		International Islamic University Islamabad

### FINAL YEAR PROJECTS:

- *Design of Dual Control System for Passenger Vehicle. (BS Mechanical)*
- *Computational Fluid Dynamics Analysis of the Composite Ocean Current Turbine Blade (MS Mechanical)*
- *Micromechanism of the effects of age and x-ray irradiation on Fracture of bone (PhD Mechanical)*

### MINI PROJECTS:

*Modeling of China Cycle in pro-Engineer Wildfire in CAD-2 lab*

*Small Business Development & Entrepreneurship of Paniala Dates as Assignment*

*Detail Drawing of Bearing Block, Bell Roller Support & other Mechanical Components etc*

*Layout of the Factory (Frontier Foundry) at industrial Estate Peshawar Pakistan in AutoCAD 2004*

### MEMBERSHIPS:

*Member of PEC (Pakistan Engineering Council)*

*Member of ASME (American Society of Mechanical engineers)*

## **INTERNSHIPS:**

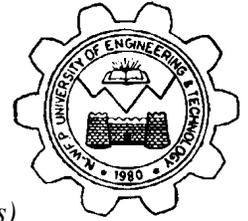
**(PLF)** Pakistan Locomotive Factory Risalpur, from 25<sup>th</sup> June to 31<sup>st</sup> August 2007 (2 Months)

**(K.T.H)** Khyber Teaching Hospital A/C Plant (Absorption) Peshawar from 1<sup>st</sup> August 2008 to

30<sup>th</sup> April 2009 (One Year)

**Cherat Cement Factory** Nowshera KPK, Pakistan from 5<sup>th</sup> June 2006 to 1<sup>st</sup> sep 2006 (03 Months)

**(F.F)** Frontier Foundry Pvt Ltd (Steel Mill) Industrial Estate Peshawar from 14<sup>th</sup> May 2008 to 30<sup>th</sup> August 2008



## **TEACHING EXPERIENCE: (07YEARS)**

As a lab engineer in international Islamic university Islamabad from 2010 to 2015

Lecturer in Department of Mechanical Engineering since 2016

## **COMPUTER SKILLS:**

**Pro-E Wildfire 3.0** for modeling of mechanical Components, modeling, Drawing.

**Ansys10** for the Analysis of mechanical components & Structures & finite Element Analysis

**AutoCAD 2004 & AutoCAD 2000** for modeling, layout Drawing, & modeling of mechanical Components

**Ms-Office** (Ms-World, Ms-PowerPoint,, Ms-Excel, Ms-Access) for Reports, documents, presentations, Data Sheets etc

**Computer Software & Computer Hardware** etc

## **ACHIEVEMENTS:**

**1<sup>st</sup> position** in Metric Exam at Government High School No.2 Utmanzai, Charsadda

**2<sup>nd</sup> Position** in F.Sc Pre-Engineering Exam at Government Postgraduate College Charsadda

**2<sup>nd</sup> Position** in F.Sc Physics-I in Peshawar Board by 88% marks

**Merit Scholarship** of 2005 at N.W.F.P University of Engineering & Technology Peshawar in 2005

**First Position in M-Phil** in International Islamic University, DME, FET

**Book on CFD Analysis of Composite Ocean Current Turbine Blade** in Germany

**Three International Research Papers and One International Book**

**1<sup>st</sup> Position** in Hydraulic & Pneumatic Competition in SMME, NUST

Supervision of Stent and Catheter Coating Machine in Innovatics (MDDC) NUST in 2019-2020.

## **Supervised Projects:**

- *Design and Fabrication of Artificial Hip Bone Joint*
- *Design and Fabrication of Mini Tensile Testing Machine*
- *Design and Fabrication of Fracture Testing Machine*
- *Design and Fabrication of Fatigue Testing Machine*
- *Design and Fabrication of Charpy Testing Machine*
- *Design and Fabrication of Pedal Operating Washing Machine*
- *Design and Fabrication of Exercise and Electricity Generating Machine*
- *Design of Mini Kaplan Turbine for low head*
- *Fabrication of Oil Extracting Machine*
- *Design and Fabrication of Solar Geezer.*

### **Trainings/ Conferences:**

- *Teaching as a profession and Learner Psychology sponsored by HEC and FET/IIUI venue FET/IIUI From 30/6/2014 to 3/7/2014.*
- *Vacuum science & Technology (cvst-05) organized by NINVEST & NCP, Pakistan NINVEST & NCP, Pakistan from 11/6/2012 to 01/7/2012 .*
- *3rd open house FET, IIUI in FET/IIUI on 3/5/2014 as Organizer and Participant.*
- *Hydraulic and Pneumatic System Training in SMME/NUST from 20/2/2012 to 11/3/2012.*
- *Energy engineering sponsored by PEC venue FET/IIUI in 2013.*
- *International conference on PGREST in FET/IIUI venue Old Campus IIUI from 29/11/2010 to 2/12/2010 as a Organizer and Participant*
- *Norwood Pvt Ltd United Kingdom from UK online at FET/IIUI on 8/6/2011.*
- *2nd FET Open House at FET/IIUI from FET/IIUI on 2/5/2011 Install a stall for DME, FET.*
- *HEC Training, PLO and CLO learning and implementation.*
- *2<sup>nd</sup> International Conference PGREST in FET/IIUI venue Old Campus IIUI in 2016 as an Organizer and Participant*
- *02 Days workshop on outcome based education (OBE) system from 3<sup>rd</sup> and 4<sup>th</sup> December 2017 at IIUI as a participant.*
- *Workshop on “application of primavera” certificate of participation at department of mechanical engineering, FET, IIUI on 02th January 2017, organizer PEC and FET,IIUI.*
- *Certificate of Appreciation Open House 2016 FET IIUI.*

### **EXTRA CURRICULAR ACTIVITIES:**

*Reading Books of mechanical engineering & other fields at evening & night*

*Web Browsing for day to day information about the world & mechanical engineering*

*Playing Cricket & other games in spare time*

*Drawing & Painting etc*

### **LANGUAGES:**

<b>Language</b>	<b>Understand</b>	<b>Speak</b>	<b>Write</b>
<b>Pashto</b>	<i>Fluent</i>	<i>Fluent</i>	<i>Fluent</i>
<b>English</b>	<i>Fluent</i>	<i>Fluent</i>	<i>Fluent</i>
<b>Urdu</b>	<i>Fluent</i>	<i>Fluent</i>	<i>Fluent</i>

**AREA OF TEACHING (MECHANICAL ENGINEERING):**

- *Thermodynamics*
- *Fluid Mechanics*
- *Mechanics of Materials*
- *Statics and Dynamics*
- *Engineering Materials*
- *Heat and Mass Transfer*
- *Manufacturing Processes*
- *Ethical and Legal Dimension for Engineers*
- *Engineering Management*
- *Production Engineering*
- *IC Engines*
- *Refrigeration and Air-conditioning*
- *Tribology*
- *Research Methodology*
- *Industrial Materials*

**International Books Publications (As an author):**

- *“CFD Analysis of Composite Ocean Current Turbine Blade” Publisher: LAP LAMBERT Academic Publishing OmniScriptum GmbH & Co. KG Heinrich-Böcking-Str. 6-8, 66121, Saarbrücken, Deutschland/Germany., Editor: Mr. Teodor Bordeianu, ISBN-13: 978-3-659-63938-8. ISBN-13:978-3-659-63938-8, ISBN-10:3659639389, EAN: 9783659639388.*

***International Research Papers Publications:***

1. Effect of x-rays and gamma radiations on the bone mechanical properties: literature review.
2. Effect of orientation and age on the crack propagation in cortical bone.
3. Investigation of the mechanism of gamma irradiation effect on bovine bone.

***MS Mechanical Supervisor:***

- *Dr. Saeed Badshah, Associate Professor, Department of Mechanical Engineering, Faculty of Engineering and Technology, International Islamic University Islamabad, Phone: 051-9019497, 051-9258071 Email: [saeed.badshah@iiu.edu.pk](mailto:saeed.badshah@iiu.edu.pk), PhD, Vienna University of Technology, Austria.*

***PhD Supervisor:***

- *Dr. Rafi Ullah Khan, AP, Department of Mechanical Engineering, Faculty of Engineering and Technology, International Islamic University Islamabad, Phone:051-9019478, Cell No: 03455046533, Email: [rafiullah.khan@iiu.edu.pk](mailto:rafiullah.khan@iiu.edu.pk). PhD, Technical University Delft, Netherlands. Research area: Fatigue Delamination in Composites.*

