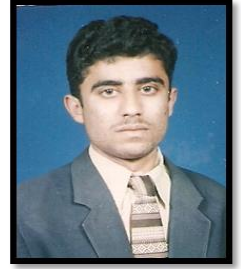


# Curriculum Vita

## Dr. Engr. NOOR REHMAN

PHD 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>Gender:</b>	Male
<b>Martial Status:</b>	Single
<b>Religion:</b>	Islam
<b>Nationality:</b>	Pakistani
<b>Date of Birth:</b>	01-02-1985

### 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	Government Public Sector University
PhD Mech Engg	2014	4	4	100	1 <sup>st</sup> /A	Government Public Sector University

### 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*

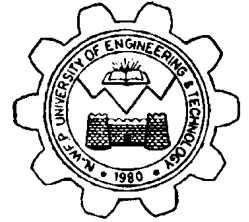
*Detail Drawing of Bearing Block, Bell Roller Support & other Mechanical Components etc*

*Layout of the Factory (Frontier Foundry) Jamrud Khyber Agency 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 KP, 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 Department of Mechanical Engineering 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

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

**2<sup>nd</sup> Position** in F.Sc Physics-1 in Peshawar Board by 88% marks

**Merit Scholarship** of 2005 at University of Engineering & Technology Peshawar in 2005

**First Position in M-Phil** in University.

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

**Four International Research Papers and One International Book**

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

## **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 from 30/6/2014 to 3/7/2014.*
- *Vacuum science & Technology (cvst-05) organized by NINAST & NCP, Pakistan NINAST & NCP, Pakistan from 11/6/2012 to 01/7/2012 .*
- *3rd open house 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; 2013.*
- *International conference on PGREST in from 29/11/2010 to 2/12/2010 as an Organizer and Participant*
- *Norwood Pvt Ltd United Kingdom from UK online on 8/6/2011.*
- *2nd Open House on 2/5/2011 Install a stall.*
- *HEC Training, PLO and CLO learning and implementation.*
- *2<sup>nd</sup> International Conference PGREST 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 as a participant.*
- *Workshop on “application of primavera” certificate of participation at department of mechanical engineering on 02th January 2017, organizer PEC.*
- *Certificate of Appreciation Open House 2016.*
- *02 Days workshop on Outcome Based Education (OBE) System 2017.*
- *Application of primavera 2017*
- *One-day workshop on Enhanced Energy Recovery; 2021.*
- *One-day workshop on management and leadership in engineering organization institutions to enhance productivity/output; 2020.*
- *Research Paper Writing Using Latex Software (One CPD); 2019.*
- *Communication Skills & Ethics for Engineers 2021.*
- *Health & Safety Management System and ISO Standards 2021.*
- *Introduction to ISO Standards Documentation and Components; 2022.*

### ***EXTRA CURRICULAR ACTIVITIES:***

***Reading Books*** at evening & night.

*Knife/Tomahawk **Throwing*** in sports.

***Playing*** Cricket & other games in spare time.

Spending time with ***animals and birds*** on weekend.

***Buying*** essentials for home at Shops on weekend.

Marksmanship and ***Hunting*** with friends.

**LANGUAGES:**

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

**Lab Experience:**

- *Lab Experiments Design (12 Lab)*
- *Lab Manual Design and Preparation (12 Labs)*

***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. *Literature Review of Ocean Current Turbine.*
2. *Modeling and Analysis of a very low head Kaplan turbine runner for rural areas of Punjab.*
3. *Pre Stressed Vibration optimization of composite ocean current turbine blade.*
4. *Aggregate Production planning (APP) for Blister packing machines system in Pakistan and constraints effecting APP.*
5. *Ocean Current Turbine Blade Performance Prediction using the Blade Element Theory.*
6. *Effect of x-rays and gamma radiations on the bone mechanical properties: literature review.*
7. *Effect of orientation and age on the crack propagation in cortical bone.*

