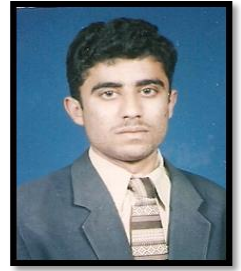


Curriculum Vita

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:

Father Name:	Habib Ur Rahman
Gender:	Male
Marital Status:	Single
Religion:	Islam
Nationality:	Pakistani
Date of Birth:	01-02-1985

EDUCATIONAL RECORD:

Qualifications	year	Marks/CGPA		%age	Div/ Grade	School/College/University
		Total	Obtained			
Metric Science	2002	850	629	74	1 st /A	Government High School No.2
F.Sc Pre Engg	2004	1100	840	76.36	1 st /A	Government postgraduate College
B.Sc Mechanical Engg	2008	4	2.89	72.25	1 st /A	NWFP University of Engineering & Technology, Peshawar
MS Mech Engg	2014	4	3.95	98.75	1 st /A	Government Public Sector University
PhD Mech Engg	2014	4	4	100	1 st /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

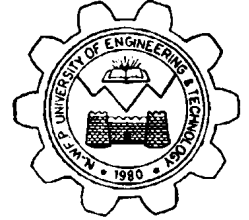
Detail Drawing of Bearing Block, Bell Roller Support & other Mechanical Components etc

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 25th June to 31st August 2007 (2 Months)

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

30th April 2009 (One Year)

Cherat Cement Factory Nowshera KP, Pakistan from 5th June 2006 to 1st sep 2006 (03 Months)

(F.F) Frontier Foundry Pvt Ltd (Steel Mill) Industrial Estate Peshawar from 14th May 2008 to 30th 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:

1st position in Metric Exam at Government High School

2nd Position in F.Sc Pre-Engineering Exam at Government Postgraduate College

2nd 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

1st 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 NINVEST & NCP, Pakistan NINVEST & 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.*
- *2nd International Conference PGREST in 2016 as an Organizer and Participant*
- *02 Days workshop on outcome based education (OBE) system from 3rd and 4th 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.*

