



**Waqas Ali**  
Mechanical Engineer

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## WORK EXPERIENCE

### Maintenance Internee Samad Apparel Pvt. Ltd.

07/2018 – 09/2018

#### Achievements/Tasks

- Participated In TPM implementation & OEE calculation Systems.
- Performed Root Cause Analysis of the 6-months data of Maintenance Dept.
- Got Practical knowledge of Maintenance of machines.

### Mechanical internee Millat Tractors Limited

08/2017 – 08/2017

#### Achievements/Tasks

- Learnt about the Assembly of Tractor Engines and Tractors in Production departments (Manufacturing plant, Engine Assembly plant, Tractor assembly Plant) of this organization.

### Mechanical internee Power House UET Lahore

07/2017 – 08/2017

#### Achievements/Tasks

- Observed and Learnt about the working of Gas Engines and Power Production. It helped me to understand how Power is generated from gas. I studied power plant theories in my study course but this internship broad my vision in this field

### Mechanical Internee Pakistan Railways Workshops

07/2016 – 08/2016

#### Achievements/Tasks

- Got practical knowledge about manufacturing and assembly of Different parts of machines in workshops of Diesel Engine, Spring Manufacturing workshop, tool shop and Fabrication Workshop etc.

## EDUCATION

### B.E Mechanical Engineering UET LAHORE

09/2014 – 05/2018

CGPA 3.285

### F.Sc (Pre-Engineering) Punjab College of Science ,Lahore

09/2011 – 04/2013

Marks 949/1100

### Matric (Science) Misali Public School, Dahranwala

## SKILLS

SolidWorks

ANSYS

AutoCad

matLab

MS Visio

MS Office

HAP

## PERSONAL PROJECTS

### 1-Dynamic Analysis of Mistuning in Turbine Blades by using Finite Element Method. (09/2017 – 05/2018)

- it was modal analysis of turbine blades.
- it was all about analysis of vibrations , natural frequencies of blades ,speed and failure of turbine blades
- 1-Complete study of Tuned and mistuned Bladed disks.
- 2-Numerical analysis of tuned and Mistuned Blades on ANSYS.
- 3-Experimental analysis of tuned and Mistuned Blades on ANSYS.
- 4-Comparison between numerical and experimental analysis.

### 2-Designed and fabricated Bionic Chair in Design Engineering technical section of ASME UET

### 3-Inversion of Slider Crank Mechanism (2016)

### 4-HVAC analysis of One floor on HAP Software.

### 5-CNC Lab Layout on MICROSOFT VISIO.

## REWARDS

### 1-Got 1st Position in Essay Writing Competition held at Distt. Level.

### 2-Achieved 4th Position in SSDC Junior Level (Student Speed Design Competition) organized by ASME UET (2014)

### 3-Got Laptop by PM Laptop Scheme on Merit base.

### 4-Achieved Third Position in SKAT Junior Level (Skill Knowledge and Aptitude Test) (2014)

## LANGUAGES

English ● ● ● ● ○

Urdu ● ● ● ● ●

Punjabi ● ● ● ● ●

## INTERESTS

Novel Reading

Cricket

Internet Surfing

Video Gaming