

# CURRICULUM VITAE

**Hassan Habib**

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## ACADEMICS

Degree	Univ.	Completed	Remarks
B.Sc Mechanical Engineering (Hons)	Wah Engineering College, University of Wah.	2018	CGPA: 3.15/4
Intermediate (Science)	Punjab College of IT	2014	853/1100 Grade : A

## EXTRA CURRICULAR:

1. Director Technical Cell at ASME WEC Chapter, Wah Engineering College, Univ. Of Wah. (2016-2017).
2. Member YAROH Welfare Organization, Wah Cantt.
3. Photographer.

## RESEARCH INTERESTS:

1. Operations Management
2. Industrial Psychology.
3. Power Plants.
4. Fluid Mechanics.
5. Heat Transfer.
6. Composite Materials.

## PROJECTS :

1. Design and fabrication of Impact Test Machine for composite materials and validation through ABAQUS (FEA software).
2. Design and analysis of composite drive shaft for Toyota Qualis using FEA.
3. Design and modification of 4-stroke CD-70 engine to 6-stroke.
4. Successful design and fabrication of a working prototype miniature jet engine under ASME(American Society of Mechanical Engineers) WEC chapter for the module 'MachAce' of the event '**AirEx'15 Innovation Challenge**' held in Gulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI), Topi from 20-22 Nov, 2015.
5. Design of porter governor on Pro-E/Creo.
6. Design of sewing machine on Pro-E/Creo.

**INTERNSHIP(S) :**

- 1) Pakistan Ordnance Factories (POF), Wah Cantt.  
Design, manufacturing and reverse engineering of small/medium arms and ammunition, operations management, total quality control, transport and engineering services.

**WORKSHOPS ATTENDED :**

- 1) MATLAB
- 2) Finite Element Analysis for Implicit Structures using ABAQUS

**CPD LECTURE(S) ATTENDED :**

- 1) Advancement in Engineering Materials
- 2) Condensation Heat Transfer on Enhanced Tubes

**COMPETITIONS ATTENDED :**

- 1) DICE Automotive, NED University of Engineering and Technology, Karachi. 27-29 Dec, 2017.
- 2) AirEx'15 Innovation Challenge held at Gulam Ishaq Khan Institute of Engineering Sciences and Technology (GIKI), Topi. 20-22 Nov, 2015.
- 3) ASCE (American Society of Civil Engineers) Popsicle Stick Bridge Building Competition 2015, NUST, Pakistan.
- 4) Project exhibition (Engineering) at Talent Expo, Islamabad, 2015.

**SOFTWARE SKILLS :**

- 1) ABAQUS (Simulation)
- 2) Pro/Engineer (Mechanical Design)
- 3) Proteus (Electrical Design)
- 4) C++ (Programming)
- 5) MATLAB (Mathematical Modeling)
- 6) M.S. Office Word, Excel, PowerPoint

**PERSONAL SKILLS :**

Communication skills, interpersonal skills, problem solver, optimistic, strong observer, team player and goal oriented.

**SPORTS/E-GAMING :**

Table tennis, Badminton, Counter-Strike, Call of Duty, Tekken, Need for Speed.