



# Taha Alam

MECHANICAL ENGINEER.

BB-12-B, Defence View, Phase-II  
Karachi, 75500, Pakistan.

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## EDUCATION

### Bachelors in Mechanical Engineering

DHA Suffa Univeristy  
BE(ME) Mechanical Engineering June 2018

### Intermediate Certificate

Bahria College NORE-I  
Pre-Engineering June 2014 (A) Grade

### Matriculation Certificate

D.A Model High School Phase-VII  
Computer Science May 2012 (A) Grade

## JOB - INTERNSHIP EXPERIENCE

- Hangzhou Jinjiang Group Pakistan Pv.LTD - Asst Mech Mngr (West zone).
- MAZZ Constructions - asst supervisor.
- DHA City Karachi - intern on water turbine.
- Soorty Enterprises - maintenance engineering intern.
- Turbo machinery services - maintenance engineering intern.

## PROJECT EXPERIENCE

### FINAL YEAR PROJECT

#### DESIGN & FABRICATION OF A PROTOTYPE AGRICULTURE WATER TREATMENT SYSTEM - Team Lead

- Worked on WHO report, we design & manufacture an ergonomic and robust water treatment plant which removes **arsenic** and other contaminants from ground water to make it safe for agriculture, domestic and industria! applications.

### INTERNATIONAL PROJECT

#### TEAM DSU SHELL ECO MARATHON AISA 2018 - Head of Design & Chassis

- Design, simulate & Manufacture a light weight ,compact & aerodynamic urban concept car model(body) & aluminium ladder chassis.
- Succesfully secured 3 million pkr sponsor for Team DSU Shell Eco Marathon.

### NATIONAL PROJECTS

- **NED Propellair** - TEAM BLACK PANTHERS - TEAM Lead  
RC stunt plane powered by inter combustion engine.
- **DBFC Pakistan** - TEAM FLIGHT X - Design Engineer.  
RC stunt plane powered by brusless motor & have payload capacity of 500 ml.
- **GIKI SEM** - TEAM ADMIRAL - Team Lead.  
Human powered vehical capacity of 1 person & stable enough to run on 5 cm line.
- **Catapult Design & Build Competition** - Team Lead  
light weight catapult, range of 70 m , (RUNNER UP).

### TERM PROJECTS

- Wooden Truss Bridge - Applied Physics project
- Mechanical Elevator - Engineering statics project
- Robotic Arm - Engineering Dynamics project
- Liquid Fuel Rocket Engine - Machine Design project
- Designing & Simulation of Cycle Seat - CAD & CAM project
- Security Alarm Sensor - Degital logic Design
- Distance Calculator - Measurement & Instrumentation

## PERSONAL INTEREST



## MAJORS

- Production & Operations Management
- Maintenance Engineering
- Gas Dynamics
- Gas Turbines

## ACHIEVEMENTS

- Certificate of Achievement by Lt Gen Shahid Baig Mirza on DSU Shell Eco Marathon Car.
- Best technical report award. DBFC - 2017 GIKI
- Kangaroo Mathematical Contest. Bahria College NORE-I
- Runner Up Catapult Design & Build Compition.

## SOCIETY EXPERIENCE

- **IMECHE DSU Student Chapter**  
Deputy Head Of Communication.
- **ASME DSU**  
International Student Member.
- **DSU Community Service Society**  
Member.

## SKILLS

Soft Skills	Software
Creative	Solidworks
Critical thinker	Creo
Problem solver	Fusion 360
Commercially aware	Autocad
Team player	It spice
Leadership	Matlab
Project manager	Photoshop
Decision maker	C++
Technically aware	Microsoft office

## LANGUAGES

- **English** professional proficiency
- **Urdu** native proficiency

## WORKSHOPS

- Future on Unmanned Vehicle
- Introduction to Robotics
- Introduction to CFD Ansys
- Future Leader Skills

## VOLUNTEERING

- Indus Hospital (blood donor)
- WWF - Pakistan - member