

## WORK EXPERIENCE

### Trainee EESINT

08/2017 – 08/2017

Rawalpindi

#### Achievements/Tasks

- 2 week industrial training on PLC (S7-300).
- Basic HMI(Human Machine Interface).
- Introduction to SCADA.

### Research Assistant

National University of Science and Technology (NUST)

07/2017 – 08/2017

#### Achievements/Tasks

- Intro to java language
- Android app development
- Gained practical knowledge of 3D printing

## ACADEMIC PROJECTS

Automatic Green House with IoT (internet of things) monitoring and control (09/2017 – Present)

- Fully automated Green House.
- Real time sensor monitoring through a mobile app.
- Control through app.

Autonomous Line & Wall following robot

- Programmed the robot using arduino
- Structure was designed using Pro engineer

3-D design of crankshaft with pistons (CREO)

- Crankshaft assembly was made with pistons attached.
- Animation was also done.

Electrocardiography Machine using Lab View

- Simulated and analyzed electronic circuitry for extraction of heart pulses on Proteus and Simulink.
- Used LAB VIEW for analysis of heart pulses activity.

## EDUCATION

### Bachelor of Mechatronics Engineering

National University of Science and Technology (NUST)

09/2014 – 06/2018

CGPA 3.28/4.00

### Higher Secondary School Certificate (Pre - Engineering)

F.G Sir Syed College The Mall, Rawalpindi

08/2012 – 05/2014

## SKILLS

3-D modeling(Creo, SolidWorks)

Microsoft Office

Workspace

CNC Simulator

LAB VIEW

Simatic Manager(PLC)

Matlab

Arduino

Altium PCB design

Proteus

## ACHIEVEMENTS

Runner-up National Engineering and Robotics Competiton (NERC) 2017

*Secured 3rd position among 60 teams participating from all over Pakistan.*

NUST merit based scholarship

*Awarded for scoring 3.5+ gpa.*

## CERTIFICATES

Microsoft Office Certification (MOS Test)

*Digital badge issued by microsoft*

PLC Industrial Training Certificate

*Issued by EESINT, Rawalpindi office.*

## EXTRA CURRICULAR ACTIVITIES

Organized a fund raiser event in university

*All funds generated were added in the endowment fund of university.*

Organized iftar dinner for less privileged people

*Students contributed for this dinner.*

## INTERESTS

Automotive Technology

Electronic Gadgets

E-Sports

Formula 1 Racing