



## Haseeb Faisal

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### ACADEMIC QUALIFICATION

2018	<b>BS Electrical Engineering</b> COMSATS University Islamabad Wah campus			
	CGPA	2.83/4	Upto 8 <sup>th</sup> Semester	
2014	<b>HSSC (FBISE)</b> <b>Subjects:</b> Physics, Maths, Chemistry HITEC College for Boys, Taxila Cantt			
	Marks	829/1100	Grade	A
2011	<b>SSC (FBISE)</b> <b>Subjects:</b> Physics, Maths, Chemistry, Biology Rise & Shine Public School, Wah Cantt			
	Marks	815/1050	Grade	A

### TECHNICAL EXPERIENCE/WORK EXPERIENCE

- **Intern at Kazmi Electric Works WAPDA Registered T/F Reclamation Workshop**  
**Duration:** 3 Weeks (Sep 15, 2018- Sep 29, 2018)  
**Learning:** Layout of T/F, Short cct & Open cct Test, Removal of Moisture process, Primary & Secondary Winding of T/F.
- **Internee at Heavy Industries Taxila, Taxila Cantt**  
**Place of Posting:** Heavy Rebuild Factory (M-Series)  
**Duration:** 6 Weeks (June25, 2018 – Aug03, 2018)  
**Internship Project:**
  - Electrical system of Armoured Personnel Carrier M113A1/A2 and Testing.
  - De Assembly and Assembly of Generator, Self starter & Regulator of APC M113A1/A2.
- **IESCO Reclamation Transformer Workshop Hasanabdal (Jan22, 2018-jan23, 2018)**  
Two day Practical learning of Transformer Repair which includes T/F HT & LT winding and Testing of T/Fs with the application of IEC/ WAPDA specifications.
- **Learner at 132 KV New Wah Grid Station**  
**Duration:** 4 Days (Aug 15, 2017- Aug 18, 2017)  
**Key Focus:** Bus Bar, Power T/Fs, Circuit Breakers, Substation Protection, Relays.

### FINAL YEAR PROJECT

- **Real Time Huanglongbing Disease Detection**  
This project was comprised of a complete pattern recognition system that includes four vital stages to conform the analysis of HLB:
  - Real-time field information collection.
  - Pattern recognition.
  - Graphical User Interface.
  - Embedded system and proper spraying.

### SEMESTER PROJECTS

- Water Level Indicator.
- Two way Traffic Light using Arduino.
- Food Detector using Arduino.
- GPS module System.
- Directional Yagi Antenna.

## TECHNICAL SKILLS

- **Writing tools**  
MS Office, LYX document processor.
- **Operating Systems**  
Windows.
- **Simulating tools**  
Matlab, ADS, Packet Tracer, HFSS.
- **Circuit Designing tools**  
Proteus, Circuit Wizard, MultiSim, i-Trilogi.

## ACHIEVEMENTS/EXTRA CURRICULAR ACTIVITIES

- **Volunteer Work:**
  - a. **ECO Internship** World Wide Fund for Nature (**Membership Number:** 29615 IED- 2014).
  - b. **Member** Institute of Electrical and Electronics Engineers ( **IEEE Number:** 93514065).
  - c. **Member** IEEE Robotics and Automation Society.
  - d. **Elected** as Vice Chairperson of IEEE COMSATS Wah Student Branch.
  - e. **Elected** as Branch Secretary of IEEE COMSATS Wah Student Branch.
- **Personality Development:**
  - a. Introduction to Big Data, Cloud Computing, & CDN Emerging Technologies via **Coursera**.
  - b. Wireless Communication Emerging Technologies via **Coursera**.
  - c. One day learning visit to **Bismillah Power house Pvt Ltd** Khanpur.
  - d. Attended Annual general meeting of IEEE Islamabad Section, NUST Islamabad.
  - e. NXT Lego Mindstorm Robotics Workshop, E&ME NUST.
  - f. Game Development Workshop, PIEAS Islamabad.
  - g. MATLAB Workshop, COMSATS Wah Campus.
  - h. Session on Counselling-Pro.
  - i. Session on 10 hot consumer trends 2016, GIKI.
  - j. Seminar on Emerging Engineering Technologies, PIEAS.
  - k. Optical fiber and hands on experience workshop, Comsats Wah Campus.
- **Participation:**
  - a. IEEE Islamabad Section Congress 2016, PIEAS NUST.
  - b. National Electronics Olympiad, GIKI.
  - c. Attended yearly National Engineering Robotics Contest from 2008-2015, E&ME NUST.
- **Interests:**
  - a. Field and Industry work.
  - b. Books, Magazine Reading.
  - c. Tennis.
  - d. Hiking.
  - e. Bowling.