

# ENGR. WAQAS ALI

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## Career Summary

To pursue aspiration and commitment by excelling in a national/ multi-national organization. To prove my resolute commitment to the depth in knowledge, ethics in work, respect for seniority and loyalty in administration.

## Experience Summary

Current Job:

- ✓ Lecturer at HITEC University, Taxila Cantt

Experience:

- ✓ Visiting Lecturer at POFIT, Wah Cantt  
2013-2018
- ✓ Visiting Lecturer at COMWAVE University, Haripur  
2014-2016

## Education Summary

- ✓ Ph. D Electrical Engineering (CGPA: 3.72) (In Progress)  
HITEC University, Taxila Cantt
- ✓ MS Electrical Engineering (CGPA: 3.30), 2012 - 2015  
HITEC University, Taxila Cantt
- ✓ B.Sc Electrical Engineering (CGPA: 2.48), 2008 — 2012  
UET, Taxila
- ✓ F.Sc, Pre-Engineering (84.09%), 2006 — 2008  
Misali Zakria Higher Secondary School, Muzaffargarh
- ✓ Matric, Science Group (80.38%), 2004-2006  
Govt. Higher Secondary School, Sarwar Shaheed

## Research Experience

- W-Band Plumb Shaped Patch Antenna for 5G Applications [Paper Submitted in IEEE, UCET'19]

# Curriculum Vitae

**B. Sc Electrical Engineer  
(Power)  
(PEC #: ELECT/35866)**

Waqas Ali  
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**Ph. D Thesis:**

***On Body RFID Antennas for Health Care Applications***

*Roles and Responsibilities*

I have to design an on body RFID antenna for health care applications for future generation which will be a significant contribution in the area of RFID.

*Challenges and Issue Resolved*

1. Very large size antennas
2. Frequency dependent permittivity
3. Frequency dependent SAR

*Project Timeline*      Proposal Defended (In Progress)

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**B.Sc Final Year Project:**

***Auto Control Design for Power Factor Improvement***

*Roles and Responsibilities*

My project was to design auto power factor improvement device by using metering chip, micro controller and capacitors bank.

*Challenges and Issue Resolved*

1. Made simulations regarding project on Proteus
2. Implemented project on hardware
3. Done a pretty team work for time bound activities

*Project Timeline*      2011-2012

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**Industrial Project:**

***Analysis and Design of DC Motor Drive***

*Roles and Responsibilities*

My project was to analyze and simulate DC motor model. After analysis its model, I designed a PID controller to control its torque and speed.

*Challenges and Issue Resolved*

1. Simulated results regarding motor model and drive
2. Closing the critical issue at the right time
3. Independently did whole work within time

*Project Timeline*      2012-2013

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## Skills Set

Area of Expertise	Version	Proficient level[10 scale]
Operating system	WINDOWS,LINUX	8
Office skills	Word, Excel, PowerPoint 2007	8
Internet	Web Browsing and Networking	6
Programming skills	C ++	6
Softwares related to field	CST Microwave Studio, ETAP, MATLAB,	8

## “Personal Details “

**Name:** Waqas Ali

**S/O:** Muhammad Din

**Address:** Mohallah Ali Pura, St. No. 2, Multan Road, Chowk Sarwar Shaheed, District Muzaffar Garh, Tehsil Kot Adu

**Domicile:** Muzaffargarh, Punjab

**CNIC #:** 32303-1527396-9

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### Hobbies:

1. Reading Books
2. Internet Surfing
3. Research
4. Tourism

**WAQAS ALI**

**ELECTRICAL ENGINEER**

### Career Highlights

- ✓ Position Holder at Primary
- ✓ Position Holder at Middle
- ✓ Position Holder at SSC
- ✓ Position Holder at HSSC
- ✓ Distinction at MS
- ✓ Position at Ph. D
- ✓ Best Teacher Award
- ✓ Organizer at Functions
- ✓ Scout badge Pass
- ✓ Member of Adventure club
- ✓ Best Speech Award

### Personal Highlights

- ✓ Good code of conduct
- ✓ Good ethics
- ✓ High communication skills
- ✓ High presentation skills
- ✓ Control of mind
- ✓ Good manners
- ✓ Creativity
- ✓ Ability to face ambiguous situations