

# Muhammad Wasiq Ismail

## Electrical Engineer

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### OBJECTIVE:

To secure a position with a stable and profitable organization, where I can be a member of a team and utilize my educational and interpersonal skills to the fullest.

### ACADEMICS:

<b>B.Sc. Electrical Engineering:</b> University of Engineering & Technology Lahore <b>PEC Number:</b> ELECT/59575	CGPA: 2.664/4.00	2012-2016
<b>F.Sc. Pre-Engineering:</b> Superior College For Boys Kashmir Road, Sialkot	Percentage: 86%	2009-2011
<b>O-Levels:</b> Sialkot Public School, Sialkot	Percentage: 68%	2007-2009

### PROJECTS

#### Design of Variable Frequency Drive for Three-Phase Induction Motor (Final Year Project)

- Designed a rectifier to convert incoming AC into DC
- Designed a DC bus which takes input from rectifier and supplied to inverter input
- Designed H-bridge inverter using six N-channel MOSFETS

#### GSM Based Robot

- MT8870 used to convert incoming frequency signal from mobile into its equivalent binary and fed to microcontroller
- Created an assembly language program in MP Lab and burned in PIC18F458 using Pickit2 burner and used L293D to drive DC gear motors

#### Traffic Signal Model

- 555 timer used to create a delay between lights of signals
- IC4017 used to turn on different lights at different interval

#### USB Car Charger Adapter

- Converted 12V DC from Cigar Plug of Car into 5V DC through LM317
- Fed USB port with 5V DC and connected data cable with USB port to charge mobile

### INVOLVEMENT

- ✓ Member of **IEEE** UET Lahore (2014-2016)
- ✓ Member of **Sports Society** UET Lahore (2014-2016)
- ✓ Member of **ASME** UET Lahore (2014-2016)
- ✓ Member of **Literary Society** UET Lahore (2015-2016)

### COMPUTER PROFICIENCY

ETAP   
PROTEUS   
MATLAB   
XILINX 

MICROWIND   
ADOBE PHOTOSHOP   
MICROSOFT OFFICE   
OPERATING SYSTEM 

### INTERNSHIP

Internee at IESCO (Islamabad Electric Supply Company) from August 2017-July 2018

## **INTERPERSONAL SKILLS**

- ✓ **Leading and Managerial Qualities**
- ✓ **Effective Communicator**
- ✓ **Social Interaction**
- ✓ **Good Researcher**
- ✓ **Adaptability**
- ✓ **Problem Solving**
- ✓ **Decision Making**

## **HOBBIES/INTERESTS**

- ✓ **Playing Cricket, Badminton and Football**
- ✓ **Reading Newspaper, Books and Magazines**