

**WAQAS AHMAD MIRZA**  
**Electrical Engineer (Electronics)**  
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## **PERSONAL INFORMATION**

**Name:** Waqas Ahmad Mirza  
**Father's Name:** Khalid Mahmood Mirza  
**Date of Birth:** 02-09-1995  
**Nationality:** Pakistani  
**N.I.C Number:** 34101-0630314-3  
**Religion:** Islam  
**Domicile:** Punjab  
**Mobile#:** 0316-5857095  
**PEC Reg#:** Elect/66226

## **DESCRIPTION**

I'm a graduate student of bachelor's degree of electrical engineering from RIPHAH International University. I have completed my degree with 3.09 CGPA. I was an active student during my study. I have successfully worked on my final year project that was "Energy Management & Real Time Billing System". I am quite well in my communication skills (both oral & written). I am able to work under pressure. A self-disciplined individual, highly motivated and fast learner. I have also been, currently, the part of MS Electrical Engineer.

## **EDUCATIONAL INFORMATON**

<b>Degree/Certificate</b>	<b>Division/CGPA</b>	<b>Institute</b>
MS Electrical Engineering(3 <sup>rd</sup> Semester) 2017- till present	3.58*	RIPHAH International University, Islamabad.
BSc. Electrical Engineering 2013-2017	3.09	RIPHAH International University, Islamabad.
HSSC 2011-2013	72.5%, 1 <sup>st</sup> Dev	IMCB I-8/3, Islamabad.
SSC 2009-2011	79.3%, 1 <sup>st</sup> Dev	Islamabad Model School for Boys I-10/2, Islamabad.

## **OBSERVER SHIP & PRACTICE**

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- **ACES**

Worked here as a beginner engineer in electrical department. (June 1, 2014 to August 31, 2014).

- **NECOP**

Training on “Embedded System Design Using Lab View and Flow Code”. (July 1, 2015 to July 31, 2015).

- **CISCO**

CISCO Certificate.

- **PAKISTAN MUSLIM AID**

Trainee Engineer at PMA in IT Department (October 30, 2017 to Feb, 2018).

- **PTCL**

Internee at PTCL in NOC WLL Domain from (Feb, 23, 2018 to till present).

## **PERSONAL PROJECTS**

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- Stepper Motor with Raspberry Pie
- FM-Radio
- Electric Mosquito Repellent
- Digital Vole Meter
- DC Power Supply
- Facial Expression Analysis for Emotion Recognition

## **THESIS PROJECT**

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- Energy Management & Real Time Billing System.
  - Smart Metering Solution System.

## **ADDITIONAL CREDITS (PUBLICATIONS)**

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### **Editorials:**

- “Importance of Education” in Pakistan Observer, December 26, 2016.
- “Fighting Hate” in The News, December 27, 2016.
- “Air crashes take place globally” in Pakistan Observer, December 29, 2016. “PIA Crash” in DAWN, 29th December 2016.
- “Child Labor” in Pakistan Observer, December 30, 2016.
- “Youth & Smoking” in Pakistan Observer, December 30, 2016.
- “Improving Output” in The News, January 10, 2017.

### **Journals:**

- A Real-Time Control Using Wireless Network for Smart Energy Management and Billing System (ITEE Journal).
- Power and Coverage Based Performance Analyzer Femtocells Network (ITEE Journal).

## **AWARDS & ACTIVITIES**

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### **Workshops:**

- Attended 1 day workshop on “**Single Board Computing & Interfacing**” at RIPHAH Int. University.
- Attended 1 day workshop on “**AUTO CAD**” at RIPHAH Int. University.
- Organized 1 day workshop “**Single Board Computing & Interfacing**” at RIPHAH Int. University.
- Organized 1 day workshop “**Software Defined Radio**” at RIPHAH Int. University.
- Attended 1 day workshop on “**Software Defined Radio**” at RIPHAH Int. University.

### **Scholarships:**

- Received scholarship in 7<sup>th</sup> semester of BSc. Electrical Engineering.
- Received scholarship in 1<sup>st</sup> semester of MSc. Electrical Engineering.

## **SKILLS & ABILITIES**

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- VIVADO Software Skills
- Computer skill using MS Office
- PC's Troubleshooting & Hardware Assembly Managing Skills
- HDL & VHDL Coding Language
- Project implementation on FPGA Xilinx Board Xampssp & WordPress

## **LANGUAGES**

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- Urdu
- English
- Punjabi

## **EXTRACURRICULAR ACTIVITIES**

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- Social Networking
- Book Reading
- Net-Surfing
- E-Gaming