

Curriculum Vitae



Engr. Waqar Ahmed

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PERSONAL STATEMENT

I am dedicated team player with extensive knowledge and good concept of electronics. I have creative aptitude for development of new products. I want to polish my skills and make some contribution in my field.

PERSONAL SKILLS

- Presentation
- Communication
- Managerial
- Technical

LANGUAGES

- Hindko
- Urdu
- English
- Arabic

EX-CURRICULAR ACTIVITIES

- Islamic History
- Playing volleyball
- Social Networking
- Reading Books

COMPUTER SKILLS

- Programing C++
- MS Office
- Internet Browsing
- Windows 7, 8 & 10
- Hardware & Software Installation

OBJECTIVE

To accept challenging position in competitive environment and utilize personal abilities to provide effective and efficient services. My aim is to contribute positively toward the objective of the organization to achieve things in life for which my parents, my organization and my country will be proud.

Education

Qualification	Year	Grade/CGPA	University/Institute
BS Electronics Engineering	2014--2018	3.08/4.00 (71.95%)	International Islamic University Islamabad (PEC Accredited)
HSSC (Pre-Eng.)	2011--2013	A (70%)	Govt. Post Graduate college, Haripur
SSC (Science)	2009--2011	A (77.04%)	Govt.centennialmodelhigh school TTShip,KTS

Professional Experience

1. Pakistan Aeronautical Complex, Kamra Ministry Of Defense (July 9, 2018 - July 20, 2018)

Two (02) weeks Internship at Pakistan Aeronautical Complex, Kamra. Worked in Design Development and Deletion (DDD) department, Production and Testing (P&T) department. Also worked on Circuit designing, Printed Circuit Board (PCB) designing, and Project Virtual Reality (PVR) Simulator.

2. Heavy Industries, Taxila (HIT) Ministry Of Defense (August 6, - September 28, 2018)

2 month worked at Heavy Industries Taxila (HIT) in Advance Research Development and Information center (ARDIC) and Advance System Rebuilt Factory (ASRF) worked on Fire Control Computer's (FCC) Power Board and Control board in Fire and Gun Control system lab.

AWARDS AND CERTIFICATION

- Awarded with fully funded scholarship (PMNICTSP) by the Government of Pakistan for four years of graduation (2014-2018) in IIU ISLAMABAD
- Participation in workshop on PCB designing
- Essay writing (Got first prize in KPK competition 2010)
- Hafiz Ul Quran
- Volley ball player
- Microsoft Office certified
- Winner in presentation skills
- Certificate of appreciation in different competitions

ACADEMIC PROJECTS

1. Final Year Project

Smart Industrial automation Using Power line communication

A fully automated and GUI base prototype is design for Industrial automation, monitoring and control of industrial machinery by using existent power line as communication medium power line is relatively cheaper and robust communication channel that is low cost and narrowband. Modulation Technique is used for data communication. Such systems offer a high level control using friendly graphical user interface.

2. Semester projects

- Adjustable power supply
- Automatic railway gate control using avr
- Electronic voting machine
- Microcontroller base Real time clock RTC
- In Industrial Plant control using LM35 Temperature sensor
- Voice recognition base robot
- Buck converter

ENGINEERING SOFTWARE SKILLS

- | | | | |
|--------------------|------------------|-------------|-------------------|
| ✓ Turbo C++ | ✓ Dev C++, | ✓ Multisim, | ✓ Proteus, |
| ✓ Pro Engineering, | ✓ Xilinx, | ✓ MATLAB, | ✓ Atmel Studio CC |
| ✓ LT SPICE, | ✓ KEIL U Vision, | ✓ LabVIEW, | ✓ WinAvr, |
| ✓ Arduino | ✓ Primavera | | |

MAJOR COURSES

- | | | |
|----------------------|---------------------------------------|----------------------------|
| ✓ Circuit analysis | ✓ Microcontrollers and Microprocessor | ✓ Mechatronics application |
| ✓ VLSI | ✓ Digital Signal Processing | ✓ Digital image processing |
| ✓ Control Systems | ✓ Instrumentation & Measurements | ✓ Technical Report Writing |
| ✓ Project management | ✓ PCB Designing | ✓ Wireless Communication |
| ✓ Power Electronics | ✓ FPGA-based Designing | ✓ Communication system |
| ✓ Electric Machine | ✓ Antenna and wave propagation | |

INTEREST

- | | | |
|-------------------------------|-------------------------|-----------------------|
| ▪ Embedded system and DSP. | ▪ Power electronics | ▪ Control system |
| ▪ Research and development | ▪ Industrial Automation | ▪ Sports & Gymnastics |
| ▪ Studying Religion & History | | |

Social Work

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| ✓ Work voluntarily as Member In RAHA (NGO) Since 2012 to till | ✓ work voluntarily as Manager RAHA Since 2013 TO 2014 |
| ✓ Founder of civilian educational society and blood donor society | ✓ Work as Campus representative ICT scholar. |

Note: References will be given on necessity basis.