CURRICULUM VITAE

ZAHID UR RAHMAN

s/o Fazal Ur Rahman Khan

PERSONAL DATA

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CAREER OBJECTIVES

Definitely curious to join a dynamic institution/organization for greatest usage of my capabilities, aptitudes and my devotion.

EXPERIENCE

✓ **Lab Engineer at University of the Poonch Rawalakot (UPR)**

From May 10, 2017 to date.
   Subjects: FPGA based system design, intro to programming C++, Microprocessors, Digital signal processing.

✓ **Lecturer at PSIT in sultana foundation** From Aug 21, 2016 to May 10, 2017**.**
   Subjects: intro to computer, Microprocessors, Microcontroller, communication system.

✓ **Research associate at Australasia technologies 1 Oct 2015 to date.**
   Description:
   ✓ Design and develop new products in accordance to customer specifications.
   ✓ Modify existing product designs.
   ✓ Provide technical support to manufacturing.
   ✓ Supervise verification and validation of new product designs.
   ✓ planning and organizing;
   ✓ problem-solving activities;
   ✓ work in a logical, systematic manner;
   ✓ Measuring, grading and feeding batches of raw materials into production machinery.
   ✓ operating production line equipment, (CNC, PLC, Micro controllers etc)
   ✓ apply required maintenance and programming of production line equipment, (CNC, PLC, Micro controllers etc)
   ✓ estimating costs and setting the quality standards;

✓ **Lab Engineer at Bahauddin Zakariya University Lahore campus** (BZU Lahore) from 3rd march 2015 to 29 Sep 2015.
   Duties: Lab demonstration, research activities, teaching

Subjects: Measuring instrument, Microcontroller and Microprocessor.
Lab Demonstration: C++, Measuring instrument, AUTOCAD, Microcontroller.

✓ **Visiting junior lecturer at Mirpur University of Science and Technology**

(MUST) Mirpur AJK from October 29, 2013 to January 3, 2015.
Subjects: Measuring instrument, intro to programming C++, Electronic Devices, Microcontroller and Embedded Processors, Digital Electronics.

RESEARCH WORK

✓ Design of printer for the fabrication of passive electronic components on unconventional surfaces for electronic applications funded by ORIC department, cost 0.248 million PKR.

✓ Design of dip coater machine for the Nano particulate thin films fabricated by layer by layer deposition for sensor applications funded by ICT R&D, cost 60,000 PKR.

✓ Solar power system for electric campus MUST University approved by HEC, cost 1 million PKR.

✓ Efficient campus lighting system using LEDs approved by ORIC department, cost 0.250 million PKR.

✓ Reduce the fuel cast of trains system using rotational and friction forces funded by ICT R&D, cost 86,000 PKR.

✓ Design of low-cost touch panel for house hold appliances

✓ Currently working on research paper of my M.Phil thesis.

ACADEMIC QUALIFICATION

Certificate/ Degree Name	Degree Title & major subjects	Year of Passing	%age	Board/University	Institute Name
S.S.C	Science	2001	48	BISE, Mirpur AJ&K.	Govt Pilot High School Bagh (AJ&K)
One year diploma	Vocational training course	2003/04	77.5	National Training Board	Govt vocational training institute Bagh AJ&K
Diploma of Associate Engineering	Electronics	2009	84	Punjab board of technical education	Rawalpindi Swedish institute of technology
B.Sc.	Electrical Engineering	2013	78	MUST, Mirpur	Mirpur University of Science & Technology AJ&K.
M.Sc	Electronics	Complete		MUST, Mirpur	Mirpur University of Science & Technology AJ&K.

INDUSTRIAL TRAINING

Description:

- ✓ **Internship at Mangla Power Station**
   Study tour of spill way, grid station learning Power generation, transmission and distribution, involving reports handling, (8 weeks).
- ✓ **Internship at PTCL in DSL Broad Band section**
   Involving Main distributing Frame (MDF) patching, Optical Network unit (ONU) Patching, Line qualification test, premises installation and trouble shooting.

FINAL YEAR PROJECT(FYP)

Project title:
   HYBRID TRAIN
Description:
- ✓ An Electric train which runs on renewable energy sources as well as fuel.
- ✓ An Efficient fuel and electric energy saving system.
- ✓ Wind system solar system and back generator are used to produce electricity.

SEMESTER WISE PROJECTS

1st semester: regulated power supply.
2nd semester: automatic door using card system.
3rd semester: Amplifiers & Oscillators.
4th semester: Small DC motor.
5th semester: Multipurpose Regulated power supply.
6th semester: UPS.
7th semester: Security System Using Holography.
8th semester: Ultrasonic Robot.

SOFTWARE TOOLS

- ✓ Python (Spyder)
- ✓ C / C++ / Embedded C / MikroC / ardunio / pic / AVR.
- ✓ Matlab.
- ✓ Labview.
- ✓ PCB Design / eagle CAD.
- ✓ Proteus.
- ✓ Electronic work bench.
- ✓ LIVE wire.
- ✓ Circuit maker.
- ✓ AutoCAD.
- ✓ 3D Studio Max.
- ✓ Autodesk Maya

COMPUTER SKILLS

- ✓ An excellent command over MS Office including MS Word, MS Excel and MS PowerPoint.
- ✓ Good hands on experience of latest windows operating system.
- ✓ An excellent command over using the internet.

SHORT COURSES & WORKSHOPS

Short courses

✓	Microcontroller	(1 month)
✓	Carpenter course	(1 month)

Workshops

✓	Microcontroller (organizer + presenter)	(10 days)
✓	Programmable Logic controller(PLC)	(30 days)
✓	Auto CAD(organizer)	(10 days)
✓	MATLAB(organizer)	(15 days)
✓	PIC controller(organizer + presenter)	(15 days)
✓	The world of Robots(presenter)	(15 days)
✓	Time Management(organizer)	(03 days)
✓	Illusion of words	(01 days)

INTEREST

Description:
- ✓ Work on Electronic Projects.
- ✓ Study books.

LANGUAGES

- ✓ Urdu, English, Punjabi

REFERENCE

It will be furnished on Request.