



House # 976 / C-17

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Awarded as a Organizer /participation

- 1)Conference on "RESPECT OF ELDERS"
- 2)Competition"FEAS EVENING and Debate"
- 3)PEC Workshop on"Software define radio" that was collaborated (PBC,UCERD,&BSC)

Awarded In Competition

Achieved 2nd position in faculty of Engineering in (DICE MEGA INNOVATION & ENTREPRENEURSHIP EVENT 2017) AT MUST UNIVERTSITY

ACCEPTED Paper in IEEE

- 1) A High Performance Software Defined Radio System Architecture and Development Environment for wide range of Applications.

Funded FYP Project

FYP project got funded by "IGNITE" National Technology Fund (Formerly National ICT R&D Fund).

Professional Skills in SW/HW

- GNU RADIO Companion
- LTSPICE for OPAMP
- XILINX ISE for FPGA
- ARDUINO
- Proteus for Electrical designing
- Code Block for C&C++
- Matlab
- Mplab
- Microwind
- Modelsim
- Linux as (o/s)
- Multisim for Designing

REFERENCE

Furnished on request

Thanks

Accept my regards :

HAFIZ ASAD HABIB

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CAREER OBJECTIVE

A position in a result-oriented organization that seeks a motivated and career-conscious person, where acquired skills and education will be utilized towards continued growth and advancement.

Profile & Education Qualification

Academics:

On the academic side, I have completed my bachelor's degree in disciplines of Electrical Engineering (Electronics) with (CGPA 3.78).

And Alhamdulillah, I have achieved a **GOLD MEDAL** in my bachelor's. My future plans are to continue my professional studies, learn new things and play a very important role in the development and progress of my beloved country.

EDUCATIONAL QUALIFICATIONS

Bachelor of Science Electrical Engineering, 2014 - 2018

Riphah International University (HEC & PEC Recognized and accredited by under level-2 OBE Washington Accord), **CGPA 3.78/4.0 (Awarded GOLD Medalist)**

FSc. Pre Engineering, 2013

Govt Gorden College Rawalpindi (Affiliated with Rawalpindi Board), **Marks, 62%**

Matric (Science), 2011

Hira Public School Rawalpindi (Affiliated with Federal Board), **Marks, 70%**

Professional Experience

Pakistan telecommunication company Ltd.(PTCL) (6 Week internship)

Experience In Four different Departments:

- 1)POWER DEPARTMENT
- 2)OFAN DEPARTMENT OFAN CKL & NMS
- 3)WIRELESS DEPARTMENT
- 4)NETWORK DEPARTMENT

FYP Project

FYP Project Title: (SOFTWARE DEFINED RADIO (SDR))

ABOUT: Software Defined Radio (SDR) technology gives you programmability platform to execute telecom applications and converts all conventional radio hardware problems into the software to resolve it and give more easiness and comfort. The SDR system can be defined as a radio in which some or all of the physical layer functions are programmed in the software using processing system. The processing system can be General Purpose Processors, Digital Signal Processing, and Graphical Processor Unit (GPU) Programmable System on Chip (PSoC), Application Specific Accelerators, Field Programmable Gate Arrays (FPGAs), or specialized co-processors.

AIM: With the rapid growth of the digital world, the information data size in the digital communication is also increased, and also rapidly shifting to the new technology. So for the compatibility of every new technology we need to design new systems every time. So to get rid of this style or routine, (SDR) give you a platform to run multiple types of application, algorithms, and communication standard principles on the same hardware architecture and allows the variety of wide communication, and make your same system compatible for every new technology.

Using TOOLS: C++/python for programming, Linux (O/S), Gnu radio companion

Achievements: 1st runner-up award in DICE mega event 2017, ICoMET IEEE

ISBN 978-1-5386-1370-2. Publication, Funded by ICT R&D (Ignite), and Project collaboration with PBC, PEC recognize workshop.

SEMESTER PROJECTS

- 1)Traffic Light Signal
- 2)Heat Alarm on (PCB) using protious software
- 3)H-Bridge motor with & without gate on (PCB) using protious software
- 4)Using link list make a memory which save all detail and data about projects on Code blocks in C
- 5)Intelligent Temperature sensor with visual notification on pic microcontroller
- 6)IR Remote controller home lights switch using protious
- 7)Controlling a vehicle using digital modulation and demodulation(ASK)
- 8)Intelligent base ultrasonic sensor for fluid using arduino with digital display
- 9)design digital voltmeter with display using arduino (range 0to220v RMS)
- 10)design multiplier (6*6) using data reduction and Wallace tree method in FPGA

COVER LETTER

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Date:

05-15-2018

Address To:

Hiring Manager,

Dear Hiring Manager,

I'm applying for a job at your company. Based on the posted description, I'm confident that I am fully qualified for the position and will be a strong addition to your team.

Because I love to learn new things with full of passion, hard work, keen motivation, and always willing to do my job done to enhance my expertise.that is why I want to join your company to get the challenging environment to enhance my skills, and increase my knowledge and become an asset for your company as well as my country.

I would appreciate a job at your earliest convenience.

Please find my resume attached .

I can be reached at the number above or at my email address.

Since relying,
