ELECTRICAL ENGINEER

Rida Anwar

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CB 763 Asifabad near Shareef Hospital Wah Cantt

Objectives

Seeking a challenging position in a progressive organization with an aim to contribute positively towards the achievement of its objectives to the best of my capabilities and a chance to develop and improve my professional skills and to enhance my knowledge and capabilities in working in a dynamic organization that prides itself in giving substantial responsibility to new talent.

Education

2014 - 2018 *UNIVERSITY*

Bahria University Islamabad, Pakistan.

Bachelors of Engineering in **Electrical Engineering**

2012 – 2014 *INTERMEDIATE*

F.G Post Graduate college for women Wah Cantt.

Higher Secondary School Certificate (**Pre-Engineering**)

Percentage Secured: **72 % (1st division)**

2010-2012 *HIGH SCHOOL*

Saint Paul High School Wah Cantt.

Secondary School Certificate (**Science**)

Percentage Secured: **89 % (1st division)**

Skills

Technical Tools

Softwares	Hardware
○ Matlab, Simulink. ○ Proteus Professional. ○ Xilinx ISE. ○ Easy Builder 2000. ○ Keil, Microchip PIC. ○ Cisco Packet tracer. ○ AutoCAD. ○ MS Office. ○ Languages: C, C++, C#, Assembly, Verilog (VHDL).	○ FPGA Spartan 3A kit. ○ Glofa PLC. ○ Human Interface Machine (HMI). ○ Servo Control System. ○ Microcontrollers Atmel, Microchip. ○ TMS320C6713 DSP Starter Kit.

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Skills

Non-Technical Skills

- Executive Member**, Institute of Electrical and Electronics Engineers (2014-2018).**
- Executive Member, **Women in Engineering (2014-2018)**
- Designated as **IEEE Bahria University, Director of technical events (2016-2017)**
- Designated as **WIE Bahria University, General Sectary (2017-2018)**
- Participated as a host in various university events.
- Worked as a team lead at CCODE, ILS summit.
- **Languages:** Urdu, English, Punjabi.

Work Experiences

Organization	Title	Tenure	Work Experiences
National Institute of Electronics.	Internee	July 2017 – August 2017	Worked on IC designing software and learn how to design ICs according to our requirement..
EESINT, Bahria University.	Internee	January 2016	I wrote papers and articles on different final year projects.

Final Year Project

EMG Controlled Prosthetic Limb

Our main goal is to use the amputee's residual EMG signals to control the movement and position of an artificial limb. The main part of this project is to focus on the movement and position of the ankle.

- The EMG signal is generated inside the source muscle on receiving the command from the motor cortex of the brain through the central nervous system in the form of nerve impulses.
- We focused on designing a limb which used the EMG signals to move the ankle so that the desirable person should be able to move the ankle naturally. We mainly focus on flexion and extension

Projects

Worked on various group and individual projects during my engineering degree till to date included:

- C-CODE 2017, IEEE International Conference on Communication, Computing and Digital Systems.
- Solar charger.
- Program microcontroller for door/gate security systems.
- Speaker recognition system & Speech recognition.
- Encryption and decryption of voice on C# & Matlab.
- Music operator LEDs.
- Digital clock.