

ENGR. ZAMAN KHAN

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PROFESSIONAL SUMMARY:

- Graduation from **University College of Engineering & Technology, The Islamia University of Bahawalpur** obtaining degree in **B.Sc Electronics Engineering** with Major subjects of Electronic Circuit Design, Integrated Electronic, Very Large-Scale Integration, Industrial Electronics, Digital Logic Design, Engineering Management, Microprocessor and Microcontroller Based Systems, Microwave Engineering, Digital Signal Processing, Power Electronics, Computer Networking, Analog and Digital Communication System, F.P.G.A. Based System, Robotics and Opto-Electronics.
- Participated in many Conferences/Seminars as active member.
- Participated in many chapter of IEEE as Volunteer & Media Coordinator.

Keywords: Electronics Engineering, Control Systems, Automation, Networking, Robotics

FINAL YEAR PROJECT:

- **TITLE: DESIGNING OF CONTROLLER FOR BALANCING OF INVERTED PENDULUM**

DESCRIPTION: In Final year project I worked in a team of three students. The project title was 'Designing of Controller for Balancing of Inverted Pendulum' that is non-linear system. In which we designed a controller, firstly we designed **PID** (Proportional, Integral and Derivative) Controller including **Simulation** and **Hardware Implementation**. After successfully implementation of PID we designed **LQR** (Linear Quadratic Regulator) including **Simulation** and **Hardware Implementation**.

EDUCATIONAL BACKGROUND:

Degree & Institute Name	Percentage/Grade
• B.Sc. Electronics Engineering (2014-2018) The Islamia University of Bahawalpur	CGPA 3.46/4.0
• F.Sc. (Pre-Engineering) (2011-2014) Board of Intermediate & Secondary Education, Multan	86 %
• Matriculation (2009-2011) Board of Intermediate & Secondary Education, Multan	84 %

SEMINARS & CONFERENCES:

- Participated in 3 days Workshop on "**Electrification in Rural Area**" held at University College of Engineering & Technology, The Islamia University of Bahawalpur Between **29-31 December, 2016**.

- Participated in Seminar on “**PLC, SCADA and HMI**” held at University College of Engineering & Technology, The Islamia University of Bahawalpur in **December, 2017**.
- Participated in Seminar on “**Optical Fiber Communication**” held at University College of Engineering & Technology, The Islamia University of Bahawalpur in **January, 2018**.

Participated in Seminar “**Professional Development**” held at University College of Engineering & Technology, The Islamia University of Bahawalpur in **March, 2018**

SEMESTER PROJECTS:

- Automatic Night Lamp with Morning Alarm
 - Remote Control Home Automation
 - Variable DC Power Supply
 - Operational Amplifier LM741 with PCB
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SKILLS:

Languages:

- C /C++, Assembly, MATLAB (Simulink, Filters) Verilog/VHDL, PLC Ladder logic, Lab View.

Professional Skills:

- Excellent Analytical & Presentation Skills
- Good leadership Qualities & innovative thinking.
- Hard working attitude.
- Better understanding of technical and non-technical problems and their Solutions.

Engineering Software:

- Electronic workbench, PSpice, Proteus8 (Professional), Xilinx ISE 14, STEP 7-MicroWin, LabView.
- MS-office (Word, Power point, Excel).

Communication Skills:

- Excellent Communication, Verbal and Literary Skills in English & Urdu Languages
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EXTRA-CURRICULAR ACTIVITIES:

- Organized seminars on different topics Energy Crises as a Team member.
 - Active team member of IEEE-UCE&T, Islamia University Bahawalpur.
 - Reading literature about aspiring personalities & modern technology.
 - Critical Analysis of history and current affairs, data scavenging and internet searching.
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STUDY TOURS:

- Fuji Fertilizer Company, Goth Machi, Sadiq Abad.
 - Asia Ghee mills, Bahawalpur.
 - Quaid-e-Azam solar park, Bahawalpur.
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FIELD OF INTEREST:

- Control and Automation.
 - Digital and Analog Communication
 - Industrial Electronic
 - Electronics Circuits Designing
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REFERENCE

- Reference Will Be Furnish When Needed.