

Hassan Nawaz (Electronic Engineer)

R-432, Rumi II Hostel, H-12, ISLAMABAD
hassan.bsee1607@iiu.edu.pk
(0344) 6900037



Career Objectives

To work for an organization that gives me an opportunity for self-improvement and leadership, while contributing to the symbolic growth of the organization with my technical and innovative skills.

Education & Credentials

2016 – Present	Masters in Robotics & I.M Engineering <i>NUST H-12, Islamabad, Pakistan</i>	3.3/4
2011 – 2015	Bachelors in Electronics Engineering <i>IIUI H-10, Islamabad, Pakistan</i>	3.3/4
2009 – 2011	FSC (Pre-Engineering) <i>PAEC Model College Jauharabad, Khushab</i>	73%
2007 – 2009	Matriculation (Science) <i>PAEC Model College Jauharabad, Khushab</i>	76.9%

Technical Skills

Programming Skills:	C++, OOP, Python
Software Used:	Cisco Packet Tracer, MATLAB, Proteus, Xilinx ISE, Lab View, Python IDE, Keil uvision, AVR Studio, Dev C++, Microsoft Visual Studio, PRO-E, Dip Trace, MS Office
Modules Used:	8051, AVR, Arduino, FPGA Module, Raspberry Pi, SDR

Work Experience

2015 (Sept – Dec)	Internee <i>National Institute Of Electronics (NIE), Islamabad</i> Worked in Lab “Center For Quality Testing & Certification” (CQTC).
2016 – 2017 (April)	Internee <i>Quaid-i-Azam University (QAU), Islamabad</i> Working on Research Project “Software Defined Radio” (SDR).

Final Year Project

Intelligent Environment Control System

- Developed a system which helps to control humidity, temperature, water level and food level for Control Sheds of Poultry farms
- It can also be used to control the environment for Data Centers and sensitive labs
- Project Modules: Arduino, Raspberry Pi, Android App, GSM

Semester Projects

- Prototype Network of University using Cisco Packet Tracer
- Digital Electronic Lock Using 8051 Microcontroller
- Sound Manipulation Using MATLAB
- Synchronous Up/Down Counter (JK flip-flops)
- Obstacle Avoidance Using Image Processing

Achievements

- Winner of ROBOWARS in National Engineering Robotics Contest'14 held at NUST (EME).
- Runner up of Speed Wiring Competition in EPICA'14 at CASE.
- Winner of Table Tennis Competition in FETEX'15 at IIU, Islamabad.
- Runner up of Table Tennis Competition on Sports Gala'14 held at IIU, Islamabad.

Seminars and Workshops

- Organized a seminar on "Career Counseling for Fresh Engineering Graduates" by Mr. Wahaj Siraj (C.E.O Nayatel) on Feb 18, 2014 at IIU, Islamabad
- Organized a National Workshop on "Power Electronics with Renewable Integration" in Quaid-e-Azam Auditorium on Dec 24, 2014 at Faisal Mosque Campus, Islamabad

Extra-Curricular Activities

- Head of Presentation Skills in FETEX'15 at IIU, Islamabad
- Head of Guest Guidance Team in Annual Open House'14 at IIU, Islamabad
- Part of Table Tennis University Team
- Head Boy at College

Personal Information

- Marital status: Single
- Date of birth: 2nd October, 1993
- Gender: Male