

# Nouman Naim Hasan

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## OBJECTIVE

Work in a dynamic and creative environment to gain valuable professional experience as well as exploit my potential to the fullest.

## EDUCATIONAL HISTORY

2007-till present	Undergraduate student of 4 <sup>th</sup> year doing B.E. in Electronic Engineering from NED University of Engineering and Technology, Karachi Last year percentage: 84.2%      Class rank: 10 <sup>th</sup>
Mid 2004-Mid 2006	H.S.C. (Pre-engineering) from Adamjee Government Science College, Karachi Percentage: 84.96%
Mid 2002-Mid 2004	S.S.C. (Science) from Chiniot Islamia Pubic School, Karachi Percentage: 91.29% (Ranked 12 <sup>th</sup> among students in Karachi. Received certificate and cash awards for academic achievement)

## INTERSHIP EXPERIENCE

- **SIEMENS Pakistan**      **Duration:** 01 Dec 2009 to 31 Dec 2009  
Worked in the Business unit-Transformers, Karachi for 4 weeks. Field of work was maintenance and study of equipments used in the transformer section. PLC training was also provided.
- **Civil Aviation Authority (CAA)**      **Duration:** 29 June 2009 to 13 July 2009  
Worked in Electronic Engineering Depot (EED), Karachi for 2 weeks. Study and research of equipments brought to the EED labs for repairing was main task during internship.

## SELECTED PROJECTS

- **Design and implementation of on-board diagnostic system (Final year project):** System diagnoses different parameters of vehicle for errors. Project includes use of PIC micro controllers, Altera DE2 FPGA board and industrial sensors like RTD, pressure sensor, float sensor etc. Implemented on Mazda929.
- **Prototype of EFI:** Designed a prototype EFI module. Includes controlling of electrical solenoids and liquid pump using PIC micro controller.
- **Temperature sensing unit:** Utilizes RTD, thermocouple, thermister, opamp, PIC microcontrollers and Labview interface.
- **Pulse oximeter:** Calculates percentage of haemoglobin in human blood using IR LED's and photodetector. PIC microcontroller was used for controlling and Labview for user interface.
- **Line Following-Ball Throwing Robot:** Designed for a robotics competition. Included use of car window DC motors, mechanical relays, IR sensors and PIC microcontroller.
- **ATM Machine:** Using discrete ICs.

## TECHNICAL SKILLS

- **Programming languages:** C (general and PIC micro controlling programming), assembly language and Verilog HDL.
- **Software:** Orcad 10.0, Multisim 7.0, MPLAB, Model SIM, Quartus II Web Edition, MATLAB, NI Labview, Microwind, Sonnet.

## COCURRICULAR ACTIVITIES

- Organizing member of SPEC 2009 (a project competition) held in Electronic engineering department, NED UET.
- Participated in NERC 2008, a robotics competition conducted at the NUST University, Rawalpindi.
- Participated in PROCOM 2008, an electronics project competition conducted at FAST University, Karachi.
- Participated in SPEC 2007.

## PERSONAL INFORMATION

**Date of birth:** 13 September 1988  
**Nationality:** Pakistani  
**Religion:** Islam  
**Father's name:** Dr. Muhammad Naimul Hasan

## REFERENCES

Reference will be furnished on request