

Tanmay A. Agnihotri

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EDUCATION

M.S. in Electrical Engineering and Computer Engineering (Expected Graduation Date: Dec 2007)
The William States Lee College of Engineering
University of North Carolina at Charlotte, Charlotte, NC
GPA:4.0/4.0

B.E. in Electronics Engineering (June 2006)
Sardar Patel College of Engineering
University of Mumbai, Mumbai, India
GPA:4.0/4.0

RELEVANT COURSEWORK

Advanced Embedded Systems	Embedded Systems	Applied Databases
Designing with USB	Digital System Testing	Digital Signal Processing
Computer Organization	Introduction to VHDL	Industrial Economics and Management

WORK EXPERIENCE

ONIDA, Mumbai, India September 2005-March 2006
Title: Intern

INTERFACING PIC16F73 AND EEPROM USING I2C BUS

Description: The project incorporates an IN System Programming feature to make programming TV set more efficient. Programming of the IC can take place at any stage of the manufacturing process.

PROJECT WORK

RFID BASED ATTENDANCE SYSTEM

(In Progress)

Description: Currently working on building an attendance system using Microcontroller SKP16C62P and RFID.

D ALGORITHM

(Spring 2006)

Description: Implemented the D Algorithm using C to test the presence of single stuck at faults in a combinational circuit.

USB DATA ACQUISITION SYSTEM

(Fall 2006)

Description: The project is a prototype for a USB data acquisition system which can sample analog signal at a user defined sampling rate. The device is a portable signal measuring device with a USB interface.

PAPERS PRESENTED

A paper on **Interfacing PIC16F73 and EEPROM Using I2C Bus** was presented at **The National Conference on Embedded Systems**.

COMPUTER SKILLS

- **Language Skills:** C, C++ ,VC++ ,MySQL ,VHDL
- **Operating Systems:** WINDOWS (98/2000/XP)
- **Tools:** MATLAB, Microsoft Office, Visual Basic, OrCAD, PSPICE, ModelSim.
- **Hardware :** 8085,8086,8051,PIC16F73,SKP16C62P, Cypress AN2131QC

EXTRA-CURRICULAR ACTIVITIES

- Participated in several **Robotics** competitions. Also secured certificates of participation in finals of LEVEL 1 competitions organized by I.E.E.E. at SNDT-ITW (Spark 2003) and VJTI (Technovanza 2003).
- Functioned as Coordinator for Musical Events during SPACE 2005(Inter-College Cultural Festival).In charge of organizing and conducting eight of the biggest events at the festival.