

Pooja Rudraraju | 1BY09TE034

Visvesvaraya Technological University

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EDUCATION

Program	Institution	%/CGPA	Year of completion
B E in Telecommunication	BMSIT, Visvesvaraya Technological University, Bengaluru	77%(First class with Distinction)	2013
XII	Lady Andal Venkatasubbarao Mat. Hr. Sec. School, Chennai	86.1%	2009
X	Karnataka Sangha HS School, Chennai	85%	2007

COURSE WORK

- Analog Electronic Circuits
- Logic design
- Network Analysis
- Field Theory
- Microcontrollers
- Signals and Systems
- Fundamentals of HDL
- Linear IC's and Applications
- Control Systems
- Adaptive Signal Processing
- Digital Signal Processing
- Analog Communication
- Microwave and Radar
- Digital Switching System
- Digital Communication
- Microprocessors
- Satellite Communication
- Information Theory and Coding

LABS

- Analog Electronics Lab
- Logic Design Lab
- Microcontroller Lab
- HDL lab
- DSP Lab (Matlab)
- Analog Communication Lab + LIC Lab
- Microwave and Antenna Lab
- Microprocessor Lab

SKILLS

- Languages : C,C++,Aurdino
- Hardware Description Language : Verilog , Vhdl
- Assembly Languages : 8051, 8086
- Technical Computing Language : Matlab
- O/S : Windows 98 ,2007 , XP ,Windows 7, Linux
- Tools : MS office, Adobe Photoshop

PROJECTS, WORKSHOPS AND PROFESSIONAL EXPERIENCE

Robotics: Automated LINE TRACER ROBOT

- Developed an automated battery operated machine, programmed to follow a black curve on a white background.
- Required to interface sensors and power actuators to micro-controllers.
- Gained an insight knowledge into the fundamentals of Electronics and experience of implementing the same

PIR Based Automatic Lights Using Ac Relays:

- Used inexpensive PIR sensor to detect motion in the range on sensor and to switch on the light using AC relays when motion is detected
- Required to interface the microcontroller with the PIR sensor and Ac relay

Smart and Secure Car Parking

- Proposed and worked on compiling the report on automatic car parking using image processing and finger print technology
- This uses image processing, GPRS and microcontroller to interface the systems and makes the System completely automatic in terms of parking the car, issuing the parking ticket etc

Robotic Workshop

- Have attended the workshop and built robots based on sensors and interrupts
- Used microcontrollers , motors , infrared sensors in the building of robots

Li2 Innovations

- Interning at li2 innovations, where we have conducted workshops and trainings in colleges.
- Worked on projects, and currently working on 3D LED cube.

POSITIONS OF RESPONSIBILITY

Trainer

- Trained students on building robots based on logical concepts in a workshop held for 2 days

Sports meet coordinator

- Worked as a core coordinator in organizing Padmabhushan Lady Andal (Inter School State Level Sports Meet)

Cultural Coordinator

- Organized events as a core committee member in ORCA (Inter school state level culturals)
- Organized events in UTSAHA (BMSIT college symposium)

CO-CURRICULAR ACTIVITIES

I CUBE (Departmental technical club)

- Work as a core member for the club
- Proactively participated in various project development events and have conducted workshops where I have trained engineering students.

EXTRA-CURRICULAR ACTIVITIES

Volley ball

- Trained in Volley ball since schooling
- Been as a team captain in my schooling and college
- Have won district level, zonal level and other inter level sports meets
- Participated and won competitions at college

Table Tennis

- Learning from 3 years and won a competition

Classical vocal

- Trained in Carnatic vocal since 4 years
- Participated and won competitions at school and college

Social Service

- Been a member of interact club (Rotary Club Chennai) and have actively participated in service projects and fund raisers
- Actively Participated as a volunteer in the wilderness clear-up drive conducted by NSS

OBJECTIVE

To pursue challenging research work in the field of Communication, implement novel techniques and develop efficient tools to tackle complex problems

DECLARATION

I hereby declare that all details furnished above are true to best of my knowledge

Yours Sincerely,
POOJA RUDRARAJU

PLACE: Bengaluru