AWARDS AND ACHIEVEMENTS

• Got a **Rajarshi Shahu Maharaj Scholarship** for being **1st** among SC students in **Amravati Division** in 10th   Jul '07

• Excelled in **Intermediate Drawing Examination** conducted by Government of Maharashtra   '06

• Got a **consolation prize** in **Maharashtra Talent Search Exam**   '05

SCHOLASTIC ACHIEVEMENTS

• Secured a rank among top **5%** students in **Joint Entrance Exam**

• Secured a rank among top **0.01%** students in **All India Engineering Entrance Exam**

KEY ACADEMIC PROJECTS

UID (*Unique Identity Detection*)   Sep-Nov '09
Guide: Prof. Phatak (Computer Science Engg. Dept.)

• Developed an in-house code to prepare a daily database which will be further used to detect and identify the fingerprints of personnel to manage and monitor entry and exit at various locations

• It is currently being used in labs on trial basis

RC-Plane   Mar '10
Guide: Prof. Sudhakar and Prof. Arya (Aerospace Engg. Dept.)

• Made an **RC-plane** to study and analyze the different control parts and motions of flight

Superheterodyne FM Receiver   Oct'11
Guide: Prof. Merchant (Electrical Engg. Dept.)

• Designed a superheterodyne FM receiver system which can be tuned to receive any local FM radio stations

TECHNICAL PROJECTS

• Made a wireless remote controlled F1 car   '09

• Implemented line following algorithm in **AVR Microcontroller**   '09

• Made an attempt to design a system using **Arduino Ethernet Shield** to control a remotely placed bot using internet   Mar'11

RELEVENT COURSES

• **Network Theory**: Studied different method to solve linear and nonlinear circuits

• **Electrical Machines and Power Electronics**: Studied different circuits to drive different types of motors

• **Digital Systems**: Studied how to implement a system using finite state machine

• **Analog Circuits**: Studied the internal circuitry of OPAMP and different amplifiers and oscillators

• **Microprocessors**: Studied the architecture and programming of microprocessor chip 8085 by intel, ARM microprocessor, microcontrollers

• **Communication systems**: Studied different types of modulations and time division multiplexing

• **VLSI Design**: Studied different architectures to implement the circuit on a chip in 180nm technology. Designed and simulated basic logic gates, counters, adders using magic and spice

COMPUTER PROFICIENCY

- **Programming Languages**: C, C++, HTML, Python
- **Software Proficiency**: MicroSoft Office, MATLAB, scilab
- **Operating System**: Windows, Linux
- **HDL and Circuit Simulation**: verilog, spice, magic, eagle

POSITION OF RESPONSIBILITY

- **Coordinator**: **Techfest '11 team**   Dec-Jan'11

Handled a team of **12** organizers under Technoholix team to plan and execute a night show. The show saw crowd of over **5000** with performers coming from Virginia.

- **Coordinator**: **Mood-Indigo '10 team**   Dec '11

Was responsible for handling zorbing and All-terrain vehicle events under Informal

OTHER INFORMATION

- **Languages known**: English, Marathi, Hindi and beginner Sanskrit