



Monika ahirwar
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: none

100100058
UG Third Year (B.Tech.)
Female
DOB: 16/07/1991

| Examination | University | Institute | Year | CPI / % |
|-------------|------------|------------|------|---------|
| Graduation | IIT Bombay | IIT Bombay | 2012 | 6.65 |

SCHOLASTIC ACHIEVEMENTS

- Secured AIR INDIA RANK-107(CR) among more than 4,75,000 students appeared in IIT-Joint Entrance Examination held in 2010 which placed me amongst top 0.1% of the students in country
- Secured State Rank of 449 in AIEEE(All India Engineering Entrance Examination).
- Awarded by Ministry of Social Justice and Empowerment Government of India , New Delhi Merit citation 2007.

SUMMER TRAINING

Summer training in **Crompton Greaves**, Bhopal - Studied in brief the manufacturing of Traction Motors and HT/LT motors . I have done my presentation on working of stators.

PROJECTS UNDERTAKEN

STRAND COMBUSTION PROJECT

1. Studied the instability of IPN flame and measured the burning rate of IPN and its mixture with heptane by a number of experiments in quartz test-tube of various diameters.
2. Studied the burning rate of IPN with other bipropellants like heptane and decane under different pressure conditions .

C++ PROJECT FLTK

Project with the help of graphics - on frictional force acting on a three- block system . Three blocks kept in a stack with upper block tied with rope to the wall and the program shows the movement of the blocks as per the applied force given by user

COMPUTER PROFICIENCY

- Languages known:
 - Proficient in C , C++ ,Linux and MATLAB.
- Software Packages:
 - Proficient in SOLID WORKS , Autodesk, AutoCAD and Simulation.
- Comprehensive knowledge of MS Office (Word, Excel, Powerpoint) ,Adobe Photoshop.

POSITIONS OF RESPONSIBILITY

•Coordinator in E Cell:

Promoted the various events conducted by the body, EUREKA and Entrepreneurship Summit and publicized the events by appointing CRs, by creating blogs and articles and by advertising through posters.

•Coordinator in Radiance:

Worked as an co-ordinator in mechanical engineering department festival.

•Organizer in Techfest:

Served as an organizer in Techfest 2011 in Exhibition Department, a grand event in which we bring to you some really cool student's projects from all over the Asia.

EXTRA CURRICULAR ACHIEVEMENTS

- Trackmania F1 -A remote controlling bot which could complete the given track
- Intelligent line follower robot (Autumn 2010)
 - An autonomous robot which can be intelligently follow a line skills required
- Basic knowledge of electronics.
- Designing, Fabrication and debugging of electronic machines.
- Participated in Hostel Tech competitions- Built a Crane with pop sticks which could carry a heavy load.
- Play martial arts like Judo .