Mayur Kalambe   **110020058**
Chemical Engineering   **U.G. Second Year B.Tech.**
Indian Institute of Technology, Bombay   **E-mail : mayurkalambe@iitb.ac.in**
Phone: +919920147585   **D.O.B. : 29/10/1994**

Examination	University	Institute	Year	CPI/%
Graduation	IIT Bombay	IIT Bombay	2012	6.63
Intermediate/+2	Gyan Ganga Academy	CBSE	2011	84.8
Matriculation	Bhansali Vidhya Mandir	CBSE	2009	91.8

OBJECTIVE

- Seeking an internship to augment my engineering knowledge and skills through practical application

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 5265** in IIT – JEE (Out of 4.85 lakh students that appeared) [2011]
- Pursuing a **Minor** in Electrical Engineering [Present]
- Qualified 1st stage of **NTSE Scholarship Test** by NCERT [2008]
- Secured **District Merit Rank 3** in State Board Examination of Madhya Pradesh [2006]

TECHNICAL PROJECTS

Self Parking Bot   **[Summer 2012]**
Under ITSP(INSTITUTE TECHNICAL SUMMER PROJECT)
- Worked on the auto parking, Wall following and Self braking of the bot
- Studied the function and working of **Micro-controller (Arduino)**
- Studied and worked with communication protocols and assembly language programming

Line-Follower Bot   [Autumn 2011]
Electronics Club Project
- Built a line following robot to compete in Electronics Club Event at IIT Bombay
- The robot used feedback mechanism (P.I.D) and differential drive for navigation and control

Remote Controlled Bot   **[** Autumn 2011]
Electronics Club Project
- Built a robot which can be controlled by wireless remote.
- Studied the function of various IC's

INDUSTRIAL VISITS

RASHTRIYA CHEMICAL AND FERTILIZERS LTD   [February 2012]

- Worked on Double Absorption Double Contact (DADC) Technology for Commercial Production of Sulphuric Acid
- Prepared a Detailed Report wherein Complete Working of the Sulphuric Acid Production Plant using flow Diagrams, and Mass and Energy Balances

RELEVANT COURSES

Calculus, Transport Phenomenon ,Chemical Engineering Thermodynamics, Power Electronics, Differential Equations, Solid Mechanics , Data Analysis and Interpretation, Complex Analysis, Modern Physics, Economics, C/C++ Programming

POSITION OF RESPONSIBILITY

Co-ordinator, E-cell (IIT Bombay)
Events
- Co-ordinated events such as *Tech-Sparks*
- Participated in all discussions and events of E-cell

Organiser, Techfest 2011
Hospitality

- Co-ordinated with the infra-structure team and ensured smooth functioning
- Helped in setup and exhibition of a unique interactive music and graphical show

EXTRA CURRICULAR ACHIEVEMENTS

- Won a **Gold** medal in Inter School Table Tennis Championship and lead our School to overall Victory

- Active member of **NSS** Cloth Collection Campaign

- Speed cube solver ,solved a 3x3x3 cube under 2 minutes and was a part of the IIT Bombay's **Limca Book's World record** of solving the maximum number of Rubik Cubes simultaneously

- Won a **Silver** medal in Regional Chess Championship

SOFTWARE SKILLS

Programming Languages And Software : C/C++, Scilab, MS-Office
Worked In: Windows 95/98/2000/XP/7, Mac environments

INTERESTS

- Computer Vision
- Robotics
- Wireless Communication
- Signal Processing

Hobbies

- Cricket
- Puzzle Solving
- Table Tennis
- Chess

DECALARATION

I hereby declare that the information given above is true to the best of my knowledge, as of September 2012.

MAYUR KALAMBE