# SCHOLASTIC ACHIEVEMENTS

● Secured an **All India Rank** of **220**(category) in **IIT JEE 2010**, among more than 472,000 students from all over India who appeared for it.

● Secured an **All India Rank 194**(category) and **State Rank 22**(category) in the **AIEEE 2010** (All India Engineering Entrance Exam) among 1,065,000 students who appeared for it.

● Secured an **All India Rank 37**(category) in **ISAT (2010),** Joint Entrance Exam for **Indian Institute of Space Technology (IIST Thiruvananthapuram).**

● Awarded by the scholarship of **₹ 58,000** by **Mr. RAHUL BAJAJ, The Chairman of BAJAJ AUTO,** for being a successful student clearing IIT JEE.

● Secured a **State Rank 17** in **MAHARASHTRA TALENT SEARCH EXAM (MTSE)** in **2007** and **State Rank 18** in **2006.**

● Secured a **State Rank 5** in **Science Foundation Exam,** held by **Centre For The Popularization of Science, Pune** in **2007** and **State Rank 40** in 2006.

● Scored **100 % in Mathematics** in the $10^{th}$ std. SSC board exam in 2008.


# KEY PROJECTS

► **Graph Plotting Software of a Polynomial function in C++ language :**  (*Spring- 2010*)

    **Guide: Prof. R.K.Joshi**  *CSE Department, IIT Bombay*

- ▪ Developed a program to plot any Nth order polynomial function between two limits using fltk as graphical user interface.
- ▪ It could also find the definite integral of the given function between the two limits.

► **Regenerative Braking system :**  (ongoing project)  (*Autumn- 2011*)

    **Guide: IIT BOMBAY RACING TEAM**

- ▪ Working to build a Regenerative Braking System for a BAHA vehicle, IIT Bombay's racing car, participating in the **National Level Racing Competition.**
- ▪ Project deals with developing the energy generative braking system using motor as a generator.

## POSITIONS OF RESPONSIBILITIES

- Working as a **Coordinator** in the department of **Marketing** in **TECHFEST** (IIT BOMBAY'S Annual Science and Technical Festival) to be held in Jan 2012.
- Organized dramatic events held in **MOOD INDIGO (2010),** the largest college cultural festival.
- Was an **Organizer** in **TECHFEST** held in Jan 2011.

## EXTRA CURRICULAR ACTIVITIES

- **Robotics** • Made a **remote controlled car** using simple **RF circuit** in a competition organized by **Technic club** of IIT Bombay.
- **Cultural** • Was in the **Group dance** which **won the third place in the India's biggest theme dance competition** held at **Mood Indigo, 2011.**
- **Others** • Cleared **Intermediate Drawing Exam** conducted by Maharashtra Government with **B Grade.**
  - Selected to represent the science model in the **29$^{th}$ State Level Science Exhibition 2003-04** held at Buldhana,Maharashtra.
  - Played in the **Institute football league**, institute level football championship held in Feb. 2011 at IIT Bombay.
  - Won medals in **one act play at district level** in school years.
  - Played district level Chess championship held at regional level in school years.

## RELEVANT COURSES

| Mechanical Engineering | Other Courses |
|---|---|
| Numerical Analysis* | Introduction to Computer programming |
| Thermodynamics | Data Analysis and Interpretation |
| Mechanical Workshop | Calculus |
| Manufacturing Process* | Engineering Drawing |
| Fluid Mechanics* | Linear Algebra |
| Solid Mechanics | Engineering Mechanics |
| Strength of Materials* | Differential Equations |

*to be completed by April, 2012

## COMPUTER SKILLS

- Programming languages **: C/C++**
- Operating systems        **:** Ubuntu, Windows
- Have basic knowledge of Solid Works software for mechanical designing.

## DECLARATION

I hereby declare that the information given above is true to the best of my knowledge as of 26/08/2011.

Pratik Khandagale