



Ashutosh Gupta
Chemistry
Indian Institute of Technology, Bombay

101030026
UG Second Year
Male
DOB: 14-1-1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.36

Academic Achievement

- Ranked among **top 2%** of the students who took the prestigious examinations of **IIT JEE**.
- Ranked among **top 2%** of the students who took the prestigious examinations of **AIEEE**.
- Ranked 30th in Hyderabad city in **11th National Science Olympiad 08**

Projects Undertaken/Done

- **Fluorescence monitoring of Excited State Process** (May – July 2011)
 - Summer project under Associate Prof. Dr. Anindya Datta, Chemistry Dept., IIT Bombay. The of the project was to find the P_{ka}^* 2-naphthol. It involved **steady state analysis and time resolved fluorescence spectroscopy** of 2-naphthol.
- **Introduction to Plasmonics** (Aug 2011-To date)
 - Working on a project under Associate Prof. Dr. Anindya datta, Chemistry Dept., IIT Bombay .which involves the understanding of behaviour and interaction of surface plasmonic resonance with electromagnetic radiation on changing the size, shape, composition of particle or the refractive index of the surrounding of the metal nano structure .

Position of Responsibility

- **Organiser , Pronites ,Mood Indigo 2011** , (Annual cultural festival of IITB)
- **Organiser , Event Organising Team ,TECHFEST 2011** , (Annual technical festival of IITB)
- **Organiser, Chem. IQ 2011** (Annual Chemistry Olympiad Chemistry Department, IIT Bombay)

Programming and Practical Skills

- Spectroscopic Techniques
- Thermodynamics and Chemical Equilibrium.
- Basic knowledge of C++ , **ORIGIN PRO** and **DATA ANALYSIS SOFTWARE (DAS)**.
- Expertise in **UV-Light Spectrophotometer** and **Fluorescence Spectrophotometer**.
- Working on **TCSPC** (time correlated single photon counter).
 - An instrument used to determine the excited state lifetime of a molecule.

Key Extra Curricular Activities

- Got **Special Mention** in Group Dance in **Freshizza 2010**.
- Performed in the **Annual Insync Dance Show '10** (AIDS) .
- Took part in several **dramatics competitions** at the **hostel** level and Member of team in the **Annual Performing Arts festival 2011** of IIT Bombay.