

## Academic Achievements

- Top 1% in JEE '08, **All India Rank 227**
- **Top 1%** in country **Indian National Physics Olympiad** 2007-08
- **Top 1%** in state in **Indian National Chemistry Olympiad** 2007-08
- Ranked 619 in India and 51<sup>st</sup> in state in AIEEE'08
- Received certificate of **distinction** at **National Level** in **the All India Talent Search Examination** 2003-04

## Positions of Responsibility

- **Institute Debating Secretary** (March '10 – current)
  - Led a team of 50 people to **organize the IITB International Debate, 2<sup>nd</sup> largest in India**, that saw over 150 participants, 500 audience and international participation for the first time (October 15<sup>th</sup> – 17<sup>th</sup>, 2010)
  - Managed funds and saw to the execution of a budget of ₹ 3,50,000
  - Managing the speaking scene of IITB, supervising the English and Hindi clubs
- **Convener of Speaker's Club** of IITB (2009-2010)
  - Organised various events and workshops to promote speaking activities
  - Organised a **GDPI workshop** attended by **150 people**, conducted by professionals
- **Coordinator** for **Mood Indigo** '09, organised Speaking and Fine-arts events
- **Assistant Contingent Leader** for the IITB contingent at Malhar, cultural festival of St. Xaviers College
  - Led a 120 strong contingent to successfully participate and win 4<sup>th</sup> position among 60 colleges
- **Compeered** at Techfest '09 and '10, was an **organiser** for Mood Indigo '08, Techfest '09

## Student Exchange Program

- One of the 3 students from IITB selected to go on a Student Exchange Program to the National University of Singapore, for one semester(2011-12, Semester 1).
- To experience a different environment – culturally and academically; to build a network; to broaden my horizons; to grow as a person.

## Projects

- **Economics project:** Analysed the tea market in India. Studied the market structure, demand-supply, import-export, market share, advertising and pricing strategies of major market players

- Successfully completed the summer **CEP course** on **advanced C++ concepts**: covered Object Oriented Programming, Introduction to Data Structures and their simulation, basic system calls
- **C++ project**: Developed a 2 player interactive game using the concept of projectile. Integrated real time motion and created a Graphic User Interface using sprite library
- **Digital Electronics Project**: Designed and implemented an elementary digital lock
- **Signals and Systems**: Analysed the signals from human brain using EEG and Meg techniques
- **Power Divider RF Circuit** – Designed a Wilkinson Power Divider and achieved a 30% bandwidth design
- **Digital Signal Processing**:
  - Created a simple image processor on C++, using different algorithms for noise reduction and extracting image characteristics
  - Implemented the annihilation filter algorithm to identify complex exponentials using MATLAB
  - Built and characterized a RF amplifier for high frequency operation

#### Extra-Curricular Activities

- **Adjudicated**(judged) at the Octo-Finals of the **National Law School Debate**(Bangalore), '09
- Was selected to **represent IITB** in **MSRIT**(Bangalore) **National Debate**
- Won **1<sup>st</sup> position** in **Open Debate** held in the Institute, April'09
- Stood **2<sup>nd</sup>** in English Elocution Competition in Freshizza, cultural event for 1<sup>st</sup> yr students
- Won **1<sup>st</sup> prize** in Mood Indigo movie making competition
- Successfully completed **Swimmathon**, annual swimming event of IITB, by **completing 8.7 km in 6 hrs**, April '09
- Member of team which stood **2<sup>nd</sup>** in Water Polo **General Championship** in the institute

#### Key Courses

- |  |                                  |
|--|----------------------------------|
| ▪ Data Interpretation and Analysis     | ▪ Introduction to Economics      |
| ▪ Computer programming and Utilisation | ▪ Data Structures and Algorithms |
| ▪ Discrete structures                  | ▪ Proficient in C++, VB          |