

## SCHOLASTIC ACHIEVEMENTS

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- **Department Rank 2** amongst 96 students of Metallurgical Engineering and Materials Science, IIT Bombay
- Awarded for being amongst **top 10%** in the National Standard Examination in Physics, 2008
- Awarded **Ministry of Steel scholarship** by the Ministry of Steel, India
- Secured **State rank 25** and shortlisted for interview round of National Talent Search Scheme NTSE, 2006
- Was amongst **450 students** who were shortlisted for the interview round of KVPY (Kishore Vaigyanik Pratishthan Yojna) - 2007
- Secured **State Rank-21** in the **State Science Talent Search Examination-2006**

## ACADEMIC PROJECTS

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### HEAT TREATMENT OF STEELS

(Jul'11- Present)

Guide: Prof. R.C. Prasad | Laboratory : Heat Treatment

- Investigating conventional Heat Treatment methods on low, medium and high carbon steels.
- Studying Heat Treatment effect on the microstructure, mechanical properties (hardness/tensile) and Fracture characteristics of steels and correlating each other

### STRUCTURAL ANALYSIS OF MONUMENTS

(Oct'10- Nov'10)

Guide: Prof. K Narsimhan | Course: Structure of Materials

- Led a team of 7 members to physically create the working model of '**London Eye**'
- Presented important data on stresses and strains developed in the structure and suggested ways to improve the strength and durability of Ferris wheels

### TRANSIENT CONDUCTION - CASE STUDY

(Sep'10- Oct'10)

Guide: Prof. N Vishwanathan Nurni | Course: Transport Phenomenon

- Wrote codes in MATLAB for solving problems in transient conduction through semi infinite heat slabs and problems where lumped capacitance approach was valid
- Compared the results to a practical data set which matched with an **error of less than 1%**

### BUSINESS PLAN DEVELOPMENT

(Jul'11 - Present)

Guide: Prof. N. Venkatramani | Course: Entrepreneurship in Material Science

- Analysing the Market in Materials, its various aspects, features and components to come up with a Business plan model in the area
- Fabricating an internal operation plan considering the viability and profitability of the venture

### FINANCIAL STATEMENT ANALYSIS

(Jul'11- Present)

Guide: Prof. Varadraj Bapat | Course: Accounts and Finance

- Exhaustively studying the current financial position of '**Cipla Limited**'
- Computing CG (Corporate Governance) score to evaluate company's compliance to the accounting standards

### MINI NATIONAL UID FOR IIT CAMPUS

(Sep'09 - Nov'09)

Guide: Prof. Deepak B Phatak | Course: Computer Programming and Utilisation

- Developed codes for the Usage of the fingerprint identification system (recording attendance, access control, conducting online exams) in C++ using arrays and classes

## POSITIONS OF RESPONSIBILITY

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### CORE GROUP MEMBER, COMPETITIONS, MOOD INDIGO 2011

(April '11 – Present)

*Mood Indigo is the largest college cultural festival in India with a budget exceeding INR 15 million and a participation of over 72,000 students from over 500 colleges from across the country.*

- Leading and Motivating a **2- Tier team** comprising of over **150 volunteers** to conceptualise, innovate and execute over 30 inter-collegiate competitions for more than 5000 participants from all over India
- Managing and mobilising a budget of over **INR 1 million** and strategically allocating the same
- Revolutionised the entire structure and functioning of the department by undertaking the “**Live Your Passion**” Campaign to promote excellence in the field of Art and Culture
- Formulated key online and on ground campaigns to increase the outreach and connect of the festival
  - Played a leading role in formulation of “*MI Hall of Fame*” to recognise the talent among past winners
  - Conducting **Multicity competitions** in major cities to increase the participation and credibility of Competitions
- Innovated and introduced **new participant friendly measures** based on strong feedback from participants as
  - Shift to an **automated online procedure** for registration and Slotting reducing last minute hassles and thus improving administrative efficiency.
  - Launch of an **event-wise inquiry system-IVRS** and online- ensuring greater responsibility among organisers.

### MUSIC AND DANCE SECRETARY, HOSTEL SEVEN, IIT BOMBAY

(Aug'10-April'11)

- **Elected representative** of 400 students, led the team of 30 members in Gyration 2010 (Annual Dance General Championship) which won a position for the **first time in the span of 7 years**
- Introduced Dance and Music, workshops and classes for the **first time** to develop a talent pool in the Hostel

### CO-ORDINATOR, MEDIA AND PUBLIC RELATIONS, MOOD INDIGO 2010

(Mar '10- Dec'10)

- Developed an extensive media plan and **negotiated deals with Bombay Times**, the largest daily in Mumbai with a combined readership of over 1 million.
- Worked in a team of 15 members to **connect and contact** various Media bodies to secure sponsorship and publicity mileages for the festival.

## TECHNICAL SKILLS

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- **Programming Language:** C++, C
- **Software Proficiency:** Microsoft Office, Microsoft Excel, MATLAB, Photoshop
- **Operating System:** Windows, Linux

## EXTRA CURRICULAR ACHIEVEMENTS

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- Represented IIT Bombay in more than **15 inter-collegiate festivals** in Dance, Dramatics and Music
- **Dance-** Stood **2<sup>nd</sup>**, Group Dance at IIMA's cultural festival CHAOS'11, **3<sup>rd</sup>**, UV Dance at St. Xavier's Malhaar'10 ; **2<sup>nd</sup>**, Choreography in Performing Arts Festival'10,'11, **1<sup>st</sup>** in Group Dance Competition at the freshmen cultural festival and performed in Annual Dance Show of IITB: lead dancer and choreographer
- **Dramatics-** Enthusiastic actor, played a **lead actor** in the Annual Sophomore productions'10
- **Music-** Performed as a **lead vocalist** in Unplugged'09 (Annual Band event at IITB)
- Instructed in the Institute workshops of Salsa, Jive, Rock-n-Roll and Hip Hop
- **Mentored and motivated** dancers and performers leading them to showcase a performance at various stages in the institute including Freshmen cultural festival'11
- **Sports-** Won **2<sup>nd</sup> position** in the Swimming GC'10 in freestyle relay. Part of the Hostel Swimming team, completed a 10 month course in swimming certified by **National Sports Organisation**
- Designed a **wireless, RF Circuit powered** vehicle under the program Trackmania- tech challenge
- **Editor**, X-Rays (School magazine) for two consecutive issues