



Metallurgical Engineering and Materials Science
Indian Institute of Technology, Bombay
Specialization: Ceramics & Composites

Dual Degree (B.Tech+M.Tech.)
Female
DOB: 26/09/1988

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.92

ACADEMIC ACHIEVEMENTS

- Currently ranked **2nd** in the Department, in the dual degree batch of 38 students
- Secured Institute **Academic Excellence Award** for outstanding academic performance [2009, 2010]
- Secured a perfect Semester Performance Index of **10.0** in Autumn '08
- Awarded **Minor** in Computer Science and Engineering after the successful completion of 5 courses
- Recipient of the **National Talent Search Scholarship** [2004]

POSITIONS OF RESPONSIBILITY

Cabinet Member, Student Mentorship Program (SMP) [2011-present]

- Part of the 7-member cabinet team that provides support and guidance to the SMP coordinators
- Conceptualized for the **first** time, **D-AMP charter**, a formal document defining structure of the *Department Academic Mentorship Program* (D-AMP) that guides underperforming students to improve their academic performance
- Advising **2 teams** comprising 25 mentors in all to counsel and guide **academically weak** 2nd and 3rd year students
- Initiated **curriculum review** in the department in collaboration with the Academic Council and faculty members

Chief Editor, Dhatuki (*Official Magazine of the Dept. of Materials Science and Engineering*) [2009-10]

- Led an **execution panel** of **20** members towards the successful release of **2 editions** of the magazine
- Conceptualized and successfully implemented the inclusion of an exclusive section for **Hindi** articles
- Designed and published a *Department Placement Newsletter*, for the **first** time ever in the department

Music Incharge, Performing Arts Festival (PAF) [Jan-Mar 2011]

- Led the Music team comprised of **16** members to win the **Best Music Trophy** in PAF 2011
- Coordinated the synchronization of completely **original, live music** belonging to 4 different genres

INTERSHIPS AND KEY PROJECTS

University of New Brunswick, Canada (*Nanocomposite Multifunctional Fibers*) [May-Jul 2010]

- Received **2** awards- '**Best Non-Technical Article**' on advanced materials in **Canada**, and '**Best Non Technical Article**' in the University for a non technical article based on the research at **MITACS Globalink program** '10
- Manufactured and carried out systematic analysis of Spandex-Carbon Nanotube composite fibers to exploit their high thermal conductivity, for applications in **sportswear** fabric

National Chemical Laboratory, Pune (*Co-crystal formation and analysis*) [May-Jun 2009]

- Synthesized Co-crystals of water-insoluble **pharmaceutical drugs**, with water soluble organic compounds, for **easy dissolution** of the drugs in water and analyzed various pairs of organic compounds for their solubilities

Dual Degree Dissertation, IITB (*Cantilever MEMS based Bio-sensors*) [Jul 2010-present]

- Currently fabricating **MEMS** cantilever based **biosensors** to detect the presence of excess glucose in the human body

Behavioral Finance (*Term Paper, Managerial Finance*) [Jan-Apr 2011]

- Studied and delivered a talk on influence of **psychology** of financial practitioners & its subsequent effect on **markets**

EXTRA CURRICULAR ACTIVITIES

Music

- Award for **exceptional performance** as the Music Incharge, for exemplary coordination of the music team and conceptualization and successful implementation of an **on-stage** live band for the **first time** in PAF '10
- Completed **4** years of formal training in Indian **Classical Music**, at Gandharva Mahavidyalaya, with **distinction**
- Lead Vocalist in **Institute Cultural Night** ('09), opened for performances by **Bhupinder Singh & Mohit Chauhan**
- Lead Vocalist in **Surbahaar** ('07, '08, '09, '10 and '11), the largest and most popular musical concert of IITB

Others

- Awarded **Hostel Cultural Color** ('09) for leading the hostel to victory in inter-hostel cultural competitions
- Professionally trained in **Bharatnatyam** for **10** years having completed the basic course with **distinction**
- Completed Basic **French** Communication Course Module 1, by **Alliance Française**
- Won **1st Prize** in Materials Quiz at Padarth '10, technical festival of the Metallurgical Engineering Department
- Awarded **Technical Special Mention** ('09) for contributing to all inter-hostel technical competitions in the year