



Aditi Mantri
Metallurgical Engineering & Material Science
Indian Institute of Technology, Bombay

09011035
UG Third Year (B.Tech.)
Female
DOB: 09.09.1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.17
Intermediate/+2	CBSE	DAV Public School	2009	92.80
Matriculation	CBSE	Hind Zinc School	2007	94.20

SCHOLASTIC ACHIEVEMENT

- Ranked in **top 0.5%** in IITJEE '09 securing A.I.R of **2056th** out of 3,84,977 students
- Ranked among top 0.08% in AIEEE '09, with an **A.I.R of 826th** and **state rank being 139**
- Scored a total of **372/450** in BITSAT 2009
- Attained **8 AA** grades (given to top 10% students) in the courses so far

ADDITIONAL LEARNING

- Pursuing a **Minor Degree** in the department of **Energy Sciences and Engineering**
- Pursuing **Honors (specialization course)** in the department of **Metallurgical Engineering and Materials Science**

INTERNSHIPS

KPMG Advisory Services Pvt. Ltd, Mumbai

2nd May – 9th June '11

Centre Of Excellence Team (COE), Governance Risk and Compliance Department (GRCS)

Project: Insights on Future Sectors

- Sector Analysis:** Surveyed different industries based on their **competitive landscape**, sector maturity, player density, **regulatory dynamics** and relative **market share** analysis
- Market Analysis:** Premeditated industries on parameters like size and growth(CAGR), **investment** attractiveness, market **structure**, market potential and **profitability**
- Evaluated** Indian industries on an **international benchmark**, recognizing **key issues** hindering its growth and suggested **measures to improve** the scenario
- Summarized** the observations in form of a **report** on the **comparative study** of selected **15 promising sectors**, identifying the one's, worth investing

Hindustan Zinc Limited, Chittorgarh (Raj.)

20th June – 19th July '11

Project: Productivity Improvement of Cathode Stripping Machines

- Examined the **current performance** of Cell House, listing details of **units involved**, capacity analysis, **scrutinizing breakdown conditions** along with the frequency and analysis of working hours
- Identified scope of improvement** by **reduction in average cycle time** and dropping of **rejections** from Cathode Stripping Machines
- Studied** the **process of Zinc production** through pyro-metallurgical path involving sinter plant, **Imperial Smelting furnace**, Ausmelt, Lead and Zinc Refinery and Sulphuric Acid plant.
- Assessed the different **methods** practiced for ensuring **safety of employees** and meeting standard environmental norms

iDiscoveri Education Pvt. Ltd.

December '10

- Designed curriculums** and assessment programs, **coordinating with a team of 14** members with an aim to develop comprehensive solution to quality teaching by **encouraging active and creative learning** among students of age group 8-14 years
- Led the team by supervising work distribution** and **reviewed projects** completed at several instances
- Earned a performance bonus** along with an **internship offer** for **Summer 2011**

POSITIONS OF RESPONSIBILITY

Core Team Member, Student Alumni Relations Cell (SARC)

March '11 – Ongoing

- Led a two tier team consisting of over 40 volunteers, responsible for strengthening relationships between students and Alumni of IIT Bombay
- Jointly involved in the **conceptualization and structure** of the **First ever Student Alumni Meet**, scheduled in **September 2011**.
- **Handling** the **marketing** division, being **introduced this year** in SARC.
- **Solely responsible** for **organization** of panel discussions and **lecture series** by distinguished **alumni** of the Institute

Hostel Maintenance Secretary

Feb '10- March '11

- **Elected** by **600 students**, as a part of **25 member student apex body** responsible for the maintenance of hostel amenities
- **Revamped** the hostel infrastructure by facilitating purchase of equipments worth INR 2 lakhs

Co-ordinator: Public Relations and Events, E-CELL

March '09-March '11

- Contacted over 120 college bodies to publicize Eureka: Asia's largest B Plan competition and E-Summit
- Was a part of publicity campaign for Eureka and E-Summit and handled online Networking Sessions

KEY ACADEMIC PROJECTS

- **Duplicate Checking in Mini National UID for IITB Campus (C++ Project)** *Autumn '09*
-Guide: Professor Deepak Phatak
Created a template matching function which searched in existing database of records and determined the roll number of the incoming student.
- Compiled a review on '**Non- Destructive Methods** and their **applicability to Powder Metallurgy Processing**' - *Autumn '11*
-Guide: Professor Sudhanshu Mallick
- **Presentation** on **Artificial Nacre**, an organic composite material. Highlighted its prospects in **fire proofing**, owing to its economical cost and ease of production. *Spring '10*
-Guide: Professor A.S Panwar
- Mechanics Of Materials: **Engineering Properties of Howrah Bridge** *Autumn '10*
-Guide: Professor K Narsimhan
 - Studied the basic design of the bridge and its implications on the mechanical behavior (Stress- Strain) of the material used.
 - Stresses on various parts of the bridge was calculated and compared with the architecture and mechanical properties of the material used.

EXTRA-CURRICULAR ACTIVITIES

DANCE:

- Achieved **First position** in **Broadway- Musical Play** at '**Chaos**' 2011, IIM Ahemdabad's Annual Cultural Meet
- Awarded **Special Thanks** in Performing Art Festival (PAF) 2010, the largest Inter Hostel Cultural competition for dance performance and aid in execution of the event.
- Gained professional training in **Bharatnatyam** for one year during school

SPORTS:

- Won the **Badminton Fresher's Open** in 2009.
- **Represented** the winning team of **hostel** in various **General Championships** including Crossy, Tug of War
- **Adventure sports enthusiast**. Experienced **paragliding, parasailing, river crossing and water rafting**

MISCELLANEOUS:

- Gained a **diverse exposure** of various **cultures**, having **resided** in **over 15 cities**, including **3 years** abroad
- Proficient in MS Word, Excel, PowerPoint. Familiar with C++ and Basic HTML