



Kartik Kacholia
Metallurgical Engineering & Material Science
Indian Institute of Technology, Bombay
Specialization: Metallurgical Process Engg.

09D11021
UG Third Year(Dual Degree)
Male
DOB: 09-11-1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.06
Intermediate/+2	CBSE	Modern School	2009	85.80
Matriculation	CBSE	St Paul's School	2007	86.00

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank 2448 (out of 4, 00,000 students) in the IIT Joint Entrance Exam 2009.
- Secured All India rank within 1696(out of 8, 00,000 students) in the AIEEE 2009.
- Passed with Distinction the 2006 **International assessment for Indian schools-** mathematics and science exam conducted by **The University of New South Wales** with a percentile of over 94%.
- Passed the 7th **National Science Olympiad** with a state rank of 99.
- Received a certificate of merit for **excellence in creative communication** by Insight Academy in 2007.

POSITION OF RESPONSIBILITY

Internship Coordinator, Placement Training Cell

(July'2011- present)

- Responsible for the smooth functioning of the internship recruitment activities in terms of administration and management which involves over **1500 students** and more than **100 companies**.
- Coordinating and negotiating with the company personnel about the details, scheduling of the internship process.
- Responsible for finding newer avenues for student internships by coordinating with **international internship institutions** and professors.

Marketing and Media Manager, Padarth'2012

(July'2011- present)

- Responsible for the marketing and sponsorship deals for the **material science festival of IIT Bombay**.
- Responsible for the coverage of the 2 day festival by media houses which has a footfall of over **3000 students**.
- Responsible for the allocation of **budget of over 5lakh INR** to different departments and leading a social campaign for the same.

Debating Secretary, Hostel- 9

(July-April'2011)

- Responsible for the debating affairs and competitions of the hostel.
- Responsible for the management of the **hostel library**.
- **Chief Editor** of the hostel magazine "News at Nine" which was distributed to over 400 students.

Coordinator, Competitions, Mood Indigo'2010.

(July-Dec'2011)

- Responsible for the transportation of various artists with a budget of over **1lakh INR**.
- Conceptualized and executed various events which saw an audience of over **3000 students**.
- Led a team of 20 organizers to supervise the smooth management of many events during the 4 days of mood indigo'10.

INTERNSHIPS

Jindal South West, Steel Ltd. Vasind Works

(May- June'2011)

Topic: Chemical and mechanical analysis of Cold Rolled Close Annealed Steel

- Developed correlations between the mechanical properties, annealing cycles and the chemical composition of CRCA steel using **data analysis and interpretation**.
- Derived the **optimum working conditions** for getting the **desired properties** using the data collected.
- Compiled a report correlating the properties for each grade of steel of varying thicknesses using histograms and other mathematical tools.

ACADEMIC PROJECTS

UID Software using C++ Programming

(Oct-Nov'2009)

Guide: Prof. Deepak Phatak

- Developed a **fingerprint recognition unique identification (UID) software** in C++ for the IIT campus. The project used an algorithm to match the input fingerprint with the stored fingerprint, and would return a percentage of match if two fingerprints are same.

Business Plan Development

(July'2011-present)

Guide: Prof. Venkatramani

- Currently studying the **Markets in Materials**, its various aspects, features and components to come up with a Business plan model in the area and **fabricating an internal operation plan** considering the viability and profitability in the venture.

Financial Statement Analysis

(July'2011-present)

Guide: Prof. Bapad

- Carrying out a detailed study of the **annual financial report** of a company and evaluating its extent of compliance to the accounting standards by calculating the CG score for the company.

Transport phenomenon MATLAB Programming

(July-Nov'2010)

Guide: Prof. Vishwanathan

- Used MATLAB to write a code for solving **transient heat transfer** problems covering all cases.
- The project was only **one selected out of 25** other projects as a case study to be conducted with the junior batches.

Production of Platinum Wedding rings by Powder Metallurgy

(July-Aug'2011)

Guide: Prof. Mallick

- Exhaustively studied recent trends towards changing methods for making wedding rings.
- Analyzed fabrication techniques using powder metallurgy for cheap and efficient production.

EXTRA CURRICULAR ACTIVITIES

- Scripted and acted in an advertisement for insight academy which was aired on local television.
- Winning member of IIT Bombay dance team at **Malhar'2010, St Xavier College** and at **Chaos'2010, IIM, Ahmedabad**.
- Stood 2nd in the inter hostel group dance competition, **Gyrations'10**.
- Member of the winning team in **Performing Arts Festival'10**.
- Dance instructor for salsa dance workshop which saw the participation of 300 students.
- Have avid interest in playing guitar, debating and literature.
- Participated in table tennis intra hostel competition.
- Avid football player, participated in inter and intra hostel football competitions.
- NSO in Aerobics.
- Avid swimmer, participated in inter school swimming competitions.

SOFTWARE AND LINGUISTIC SKILLS

- Operating Systems: MSDOS, Windows, Ubuntu
- Computer Languages: C, C++, HTML.
- Technical Software: Scilab, MATLAB, MS Office
- Languages: English, Hindi, French

ADDITIONAL COURSES

- Technical:** Colloidal and Interfacial Science, Experimental Techniques in Material Science
- Managerial:** Human Resource Management, Accounts and Finance, Entrepreneurship in Materials