



Anurag Khandelwal  
Chemical Engineering  
Indian Institute of Technology, Bombay

09002036  
UG Third Year (B.Tech.)  
Male  
DOB: 07-01-1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.80
Intermediate/+2	National Institute of Open Schooling (NIOS)	Kendriya Vidyalaya No. 1, Kota	2009	85.00
Matriculation	CBSE	Kendriya Vidyalaya No.1, Kota	2007	95.40

## SCHOLASTIC ACCOLADES

- Secured All India Rank 814 out of approximately 4, 00,000 students (**top 0.25%**) in IIT JEE-2009
- Awarded **Vilas Karnik Grant Scholarship**, 2011 by IITB Alumni Association on Merit-cum-Means basis
- Qualified for the **National Level phase-2** of Indian National Chemistry Olympiad (**INChO-2009**), one among top 300 (**top 1%**) all over the country
- Awarded Certificate of Merit for being in **top 0.1 %** students across India in Mathematics (100%) and Hindi (97%) in AISSE-2007 conducted by CBSE
- Pursuing **Minor** degree in Energy Science and Engineering Department

## WORK EXPERIENCE

**Indian Institute of Management, Ahemdabad (IIM A)** (Dec'11)

*Presented a Working Paper under guidance of Prof.G.Raghuram, Public Systems Group, IIM A*

- Researched on **Indian Railways Freight Operation** of past 10 years (2002-11) and performed specific commodity based analysis of Rate Circulars issued by Indian Railways
- Analysed the **Rate Circulars** pertaining to movement of Petroleum Products, Iron and steel, Fertilisers, Food grains, Coal that account for about 90% of the revenue generated by Railways via Freight Operation

**BioSynth Project: Life Cycle Analysis (LCA) of Biodiesel** (Dec'10-Feb'11)

*Worked in a 2 membered team under guidance of Team BioSynth, IIT Bombay*

- Audited **cradle-to-grave analysis** of air emissions during the process of Biodiesel production
- Proved quantitatively the environmental worth of Biodiesel over Petrol diesel by estimating green house gas emissions

**Mexus Education (P) Ltd., Mumbai** (May'11-July'11)

*Awarded **Recommendation** by Mrs. Teena Paul, Project Guide, Mexus Education for work as content developer*

- Designed and conceptualised the content of next series of "**IKEN ZING**", one of company's products
- Structured and formulated the **question banks**, evaluation scheme and post examination **report** for one of the new initiatives of the company, "MATHEMATICA"

## NSE'S CERTIFICATION IN FINANCIAL MARKETS (NCFM)

- Investment Analysis and Portfolio Management
- Equity Derivatives (Beginner's Module)
- Financial Markets (Beginner's Module)

## POSITIONS OF RESPONSIBILITY

**Internship Coordinator**, Practical Training Cell, IIT Bombay (Apr'11-Till Date)

- Part of the 24 membered core team of PT Cell, IIT Bombay, which is responsible for providing and **streamlining internship opportunities** to second and third year students
- Liabe for **contacting** and negotiating internship offers with the companies and universities worldwide and planning the **schedule** of internships

- Responsible for handling training related **logistical issues** pertaining to chemical engineering department

**Debating Secretary, Hostel 4, IIT Bombay** (Apr'10- Mar'11)

- Mentored & organized intra hostel speaking events for freshmen, who **won Freshiezaa**, 2010.
- Ensured proper practice and persuaded hostel mates to participate in all Debating GCs succeeding to gain positions in Hindi Kavya Sandhya, Hindi Stand up Comedy and JAM General Championships.
- Functioned in a 32 membered hostel council to organise various intra hostel activities.

**Coordinator, Hospitality, Techfest 2011** (July'10-Jan'11)

- **Dealt** with several **food dealers** in Mumbai to bring their stalls in the cafeteria of Techfest.
- **Leaded 10 organizers** and Coordinated with the team which managed the food and beverage requirements of participants, guests and Team Techfest.

## EXTRA CURRICULAR ACTIVITIES

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### Debating

- Represented IITB at IITD Parliamentary Debate, 2010 and won 3 out of 5 debates.
- Captured **2<sup>nd</sup> position** at Regional Hindi Debate competition organised by Kendriya Vidyalaya Sangathan.
- Selected as **Panelist** Adjudicator in the 2<sup>nd</sup> IIT Bombay Debate, 2010.

### Writing Skills

- **Chief Editor**, 4PLAY, Newsletter of Hostel 4. (2010-11)
- Awarded **Special Mention** in Hindi Creative writing General Championship. (Autumn 2010)

### Dramatics

- **Acted** in the **winning Street Play** "Jaago Jaago Jaago" at O<sub>2</sub> fest, Bhavan's College, Mumbai. (Dec'10)
- Performed in the Street Play contingent entry from IIT Bombay in Mood Indigo, 2010.

**Seminar: Youth on Leadership in Science** (Nov'07)

- Attended two-day seminar organised by Central Electronics Engineering Research Institute (CEERI), Pilani and awarded certificate of **Active Participation**.

### Miscellaneous

- Awarded scholarship for securing 90% marks in UNO knowledge test and getting 1<sup>st</sup> position in district.
- Captured gold medal for securing 1<sup>st</sup> position in district in "Ramcharitmanas Gyan Pratiyogita", 2006.

## TECHNICAL TRAININGS AND COURSE PROJECTS

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**Chambal Fertilisers and Chemicals Limited (CFCL), Kota, Rajasthan** (July 2010)

- Completed Vocational Training to understand the major parts of the **ammonia manufacture plant**; Desulphurisation, Reforming, Gas Purification and Ammonia Synthesis Section

**Rashtriya Chemicals and Fertilisers (RCF), Chembur** [Instructor: Prof. Sanjay Mahajani] (Spring 2010)

- Study of **Double Contact Double Absorption** Method for manufacture of Sulphuric Acid.

**Statistical Thermodynamics** [Instructor: Prof. J. Adhikari] (Spring 2011)

- **Simulated** a Morse Fluid in 2 dimensions in canonical ensemble using Monte Carlo algorithm in **Scilab**.

**Numerical Analysis** [Instructor: Prof. Mani Bhushan] (Spring 2011)

- Solved a Heat and mass transfer problem using techniques of Numerical Analysis by computer programming in **Scilab**.

## RELEVANT COURSES UNDERTAKEN

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**Statistical Thermodynamics; Numerical Analysis; Economics; Differential Equations; Linear Algebra; Calculus; Complex Analysis; Computer Programming** and Utilization & **Data Analysis** and Interpretation.