



Ekansh Bansal
Mechanical Engineering
Indian Institute of Technology, Bombay
Specialization: Mechanical Engineering

100110041
UG Third Year (B.Tech.)
Male
DOB: 30/05/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	8.78

EXPERIENCE

STUDENT RESEARCHER, COMPLEX FLUID DYNAMICS, NATIONAL CHIAO TUNG UNIVERSITY, TAIWAN *May 2012 – June 2012*

Authored a Conference Paper “*Breakage of Magnetic Chains in Oscillating Field*” to be published in International Conference on Magnetic Fluids to be held in New Delhi in January 2013

- Studied dynamics of Super-Paramagnetic particle chains under rotational and vibrational magnetic fields
- Introduced the concept of friction force between magnetic particles in order to explain the force dynamics on rupture and bending of chains

INTERN, B-ABLE (BASIX GROUP)

December 2011

Conducted Analysis and Research on Vocational Training Companies in India

- In depth study of parameters on “**Competitive Analysis of the Vocational Training Companies in India**”
- Built an intensive plan for expansion of B-ABLE via Franchise model

INTERN, ITC PRIVATE LIMITED

May 2011 – June 2011

Experience across multiple departments working on varied and multidimensional projects

- Designed and delivered an **Employee Handbook** as part of working with the **HR Department**
- Completed a project on **Financial Analysis and Comparison** of financial years 2010 and 2011

PROJECT, COMPLEX FLUID DYNAMICS: PROF. CHING YAO CHEN

May 2012 - June 2012

- Study of dynamics of superparamagnetic particles under magnetic fields, involving simulations on force analysis

PROJECT, SOLAR ADSORPTION REFRIGERATION: PROF. MILIND RANE

August 2011 - December 2011

- Studied and optimised various parameters affecting efficiency of the model, introduced vital changes and compared the results with commercially available systems

PROJECT, ESCAPE VELOCITY SIMULATION: PROF. R K JOSHI

March 2011

- Simulation project on trajectory of an object in **variable gravitational field system** around a celestial body

POSITION OF RESPONSIBILITY

CULTURAL COUNCILLOR

2012-2013

Elected as Head of Cultural Affairs, representing 450 students

- Initiated **Mentorship Program** to sustain the legacy in different genres
- Initiated **Media Channel** to appreciate talent, cover events and complaints
- Revamped Hostel Online presence by building online Library Interface and Complaint Management System

SOCIAL SECRETARY

Head for managing hostel events

2011-2012

- Organised first ever 1 day entertainment Hostel trip; leading a group of 50 inmates
- Rejuvenated Culture by conducting a hostel festival ‘7UP’; 15 social events; increased participation by 125%
- Awarded **Hostel Organisational Colour** for exceptional work

TEACHER ASSISTANT for the course Electricity and Magnetism (offered to 10 students out of 350 applicants)

2011-2012

SCHOLARSHIP AWARDS

- Awarded **Branch Change** from Metallurgical Engineering to Mechanical Engineering
- Awarded **AIEEE scholarship** given to 200 students amongst 12lakh examinees.
- Ranked amongst **Top 250** students All Over India in **Indian National Physics Olympiad**.
- **All India Rank 2** in **National Science Olympiad** organized by SOF
- **State Rank 2** in **Ramanujam Mathematics Olympiad** held in Delhi
- Awarded Merit Certificate: **0.1% students All Over India in Mathematics**

ACTIVITIES AND RECOGNITIONS

- Participated: **12 hour Marathon in Swimming**: Swimmithon 2010
- Member: **Institute Newsletter Insight**, **Speaker’s Club** and **Fourth Wall**
- Acted in **Sophomore Production**: A dramatics platform managed only by Sophomores
- Represented Hostel in general Championships of Badminton, Swimming and Squash
- **2nd position in dance** competition in Institute Fresher’s night
- **Languages**: French and Japanese
- **Additional Courses**: Machine Learning, Discrete Structures, Data Structures and Algorithms