



Manju Kaushal
Chemical Engineering
Indian Institute of Technology, Bombay
Specialization: None

100020049
UG Third Year (B.Tech.)
Female
DOB: 17/10/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.55
Intermediate/+2	MP Board	Sarvodaya Higher Secondary School	2010	84.60
Matriculation	ICSE	Holy Cross Ashram School	2008	83.14

SCHOLASTIC ACHIEVEMENTS

- Secured All India Rank **100** in 2nd Nationwide **Biotechnology Olympiad** conducted by **EDUHEAL** foundation in 2008
- Received **Distinction** in all subjects, 2010 **MP board Examination**

INTERNSHIPS

Edfora

(Summer 2012)

- Worked for **marketing acumen** and **vision selling** for the company, Edfora, which deals with a **networking site** for learning and education community, which allows users to view or create structured video content.

EKjaa

(Winter 2011)

- Identified the NGOs working in the field of de-addiction, compared the methods and the working models employed by them, performed a comparative study of the social impact created by these methods, developed improved potential ideas and finally pitched these ideas to the concerned NGOs

Dr. Hedgewar Rugnalaya NGO Programme

(Summer 2011)

Guide: Dr. Prasanna Patil (Dr. Hydgewar Rugnalaya)

- Volunteered under the Rural Community Health Programme conducted by **Dr. Hedgewar Rugnalaya**, Aurangabad (Maharashtra).

ACADEMIC PROJECTS

Simulation of Electrocoalescence Using COMSOL

(Summer 2012-on-going)

Guide: Prof. Vinay A. Juvekar (Chemical Engineering. Department)

- Two water drops suspended in dielectric oil and subjected to electric field tend to coalesce. We have simulated this problem of electrocoalescence using COMSOL 3.5a simulation software. The study of this problem is important for understanding the demulsification process which is one of the crucial steps in crude oil separation and petroleum industries.

Project BioSynth

(Winter 2011)

Guide: Prof. Sanjay Mahajani (Chemical Engineering. Department)

- Worked on commissioning of the **Biodiesel Plant** and conducted lab experiments for esterification.

Rashtriya Chemical Fertilizers (RCF) Limited, Mumbai

(Spring 2011)

Guide: Prof. Vinjamur Madhu, Prof. Sanjay Mahajani (Chemical Engineering. Department)

- Successfully completed a training programme on "**Production of sulphuric acid technology**" at Rashtriya Chemical Fertilizers limited and made report on the same.

Snakes And Ladders

(Autumn 2010)

Guide: Prof. D.B. Phatak (Computer Science & Engineering. Department)

- Completed a project on Animated Snakes and Ladders game as part of the Computer Science course (CS101) in 1st semester. Used C++ to make the board, generate dice values and kept track of the same. Animated effects were given using simple objects.

POSITIONS OF RESPONSIBILITIES

Mess Secretary of Hostel 10 of IIT Bombay *(Spring 2011- Spring 2012)*

- Dealt with Mess contractor, management of mess, mess menu and various activities related to mess

Coordinator of AZeotropy 2k12 *(Spring 2012)*

- Conducted Scilab workshops and involved in marketing segment of event

Coordinator of Competitions, Mood Indigo 2k11 *(Autumn 2011)*

- Was active member of the Competition team, Initiating and coordinating **Dramatics competitions**
- Was in interaction with various international colleges for interactive sessions on Dramatics Competition

Organiser in AZeotropy 2k11 *(Spring 2011)*

- Worked as an organizer in the Marketing team of AZeotropy 2011, the annual technical Symposium of Chemical Engineering Department
- Was in interaction with prospective sponsors

Organiser for Ozone, Techfest 2k11 *(Autumn 2010)*

- Conducted treasure hunt and laser tag, which were two of the games conducted during Techfest

COMPUTER SKILLS

- Programming language: C, C++, Java, Basic
- Operating Systems: Windows, LINUX
- Softwares: EzWindows, Matlab, Scilab, Adobe Photoshop, MS Office

EXTRA CURRICULARS

Technical

- Participated in **Track mania** – A Remote Controlled Car Racing Competition (self-created bot and circuit) organized for 1st year students by IIT Bombay (2010)
- Attended a conference on **Future of Processors** conducted by **Intel**
- Was part of a conference on **Cloud Computing** organised by **Microsoft** and Karrox Technologies

Sports

- Participated and secured 3rd position in **shot put** at Inter Hostel level
- Participated in various **sports GC's** and won at Inter Hostel level
- Participated and won in many racing, basketball, cricket, karate and throw ball championships at school level

Social Activities

- Volunteered under the **Nationwide Cancer Control Programme** (2005) as per guidelines of **World Health Organization (WHO)**

Cultural

- Had performed plays in competition conducted by **Mood Indigo, Indiafest**, Thespo and many others
- An active member of **Fourth Wall**, Dramatics Club of IIT Bombay
- Prominent member of **Mandali**, street play club of IIT Bombay
- Was part of **TheaterFest** 2011, annual fest of Fourth wall of IIT Bombay
- Participated and received awards in several **Dance** competitions at school level