



NILAYA THOTE

Indian Institute of Technology, Bombay

Department of Chemical Engineering

B.Tech

Second Year

Roll No- 110020011

DOB- 19 august 1993

Female

Indian

Academic Details

EXAMINATION	BOARD/UNIVERSITY	INSTITUTE	YEAR	CGPA
Second Year	IIT Bombay	IIT Bombay	2012	7.01/10
Intermediate+2	HSC Maharashtra	Dr. Ambedkar College Deeksha Bhoomi, Nagpur	2011	*
Matriculation	SSC Maharashtra	Somalwar High School, Ramdaspath, Nagpur.	2009	95.84%

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 8707** (among about 4,85,000 students) in **IIT-Joint Entrance Examination 2011**.
- Secured **All India Rank 3904** (among about 1,000,000 students) in the **All India Engineering Entrance Examination 2011**.
- Awarded with **Dr. Ambedkar National Merit Award by Ministry of Social Justice and Empowerment, Government of India, New Delhi**.
- Was awarded certificate of merit with **distinction in Australian National Chemistry Quiz 2006**.

ACADEMIC PROJECTS

➤ **Sulphuric Acid Plant Analysis**

Under Prof Madhu Vinjamur Department of Chemical Engineering, IIT Bombay

- Attended the 1 day Training Programme at RCF (Rashtriya Chemicals and Fertilizers Ltd.) where the entire plants – from the manufacture to the purification were explained and shown to us.
 - Prepared a detailed project report on manufacture of sulphuric acid encompassing mass and basic level energy balances
- Csir prog on youth for leadership in science(ctyls) held at neeri during 18/19 nov 2009

KEY COURSES UNDERTAKEN

- Introduction to Transport Phenomena
- Chemical Engineering Thermodynamics
- Solid Mechanics
- Introduction to Chemical Engineering
- Data Analysis and interpretation
- Mathematics Courses – Differential Calculus, Ordinary & Partial Differential Equations, Linear Algebra, Complex Analysis.
- Computer Programming and Utilization (C++)
- Engineering Drawing
- Experiment and Measurement lab(IC)
- Chemistry lab
- Physics lab
- Micro and Macro Economics
- Modern Physics

Software Skills

- Softwares : **Scilab**, Adobe Photoshop, Sony Vegas, MS Office
- Programming languages : **C/C++**, HTML
- Operating systems : **Windows**, LINUX, Macintosh

POSITION OF RESPONSIBILITY

- Co-ordinator of Rubik's Club, IIT Bombay.
- Organiser of Horizons, Mood Indigo (Asia largest cultural festival, 2011)
Organised the event World Fest wherein I personally managed the foreign delegates attending and performing at Mood Indigo 2011.
- Organiser of Hospitality and Competitions Techfest(2012)
Organised the event Devil Dozer under competitions.

EXTRA CURRICULAR AND CO CURRICULAR ACTIVITIES

- Designed a **wireless remote controlled car** whose objective was to complete the given track in minimum amount of time . Made out of radio circuit by applying the L293D I.C. for converting output voltage from 12 to 5 volts to be supplied to the RF circuit. (august,2011)
- *Was shortlisted to attend *the harvard conference wherein I pitched a business plan for innovating cycle rickshaws in india
- Successfully attempted the **Rubik's Cube Guinness World Record** :
Herein ** students solved the Rubik's cube in given time at the same place

- *classical dance
- Participated in group dance in freshiezza(competition held for 1st year students) (august 2011)
- Participated in drama in Kshitij 2011 (a broadway competition held by mithibai college) as a part of IIT Bombay contingent.
- Participated in Annual Insync Dance Show held by dance club IIT Bombay.
- Performed in PAF (Performing Art festival) in dance (march 2012) in which we secured second position.
- Participated in dance event of Umang 2012 (an inter-collegiate cultural festival of Narsee Monjee college)
- Organised salsa workshop for 1st year students (august 2012)

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge