



Mohd.Sahil
Chemical Engineering
Indian Institute of Technology, Bombay

09002021
UG Third Year (B.Tech.)
Male
DOB: 12-12-1990

| Examination | University | Institute | Year | CPI / % |
|---------------|------------|-------------------------|------|---------|
| Graduation | IIT Bombay | IIT Bombay | 2011 | 5.64 |
| null | - | Emmanuel mission school | 0 | 82.00 |
| Matriculation | - | Emmanuel mission school | 0 | 89.00 |

SCHOLASTIC ACHIEVEMENTS

- **Gold medallists** in National Science Olympiad which is organized by science Olympiad foundation
- Cleared the Joint Entrance examination conducted by Indian Institute of technology and was ranked **2464 out of 4 lakhs students** who appeared for the examination.
- Cleared All India engineering entrance examination and was **ranked 4860 out of 10 lakhs** students who appeared for the examination

POSITIONS OF RESPONSIBILITY

Co-ordinator Techfest 2011| Workshops

(Aug'10-Jan'11)

Techfest is IIT Bombay's Annual Technical festival inviting over 25000 students and 500 corporates with a budget of INR 10 million

- Led a team of 10 organisers to **manage and organize** Workshops like Forensics Workshop and Under water Robotics attended by over 150 participants from all over India
- Played a key role in organising the **I-Nexus Robotics Competition**, in its Srilanka Chapter
- Conceptualized campaigns to rigorously publicize the festival and featured events

Co-ordinator SARC (Student alumni relationship cell)| Research Division

(Aug'10 – Dec'11)

SARC is IIT Bombay's voluntary organisation committed towards the relationship between students and Alumni of IIT Bombay.

- Actively participated in **PHONOTHON 2010** by SARC IIT Bombay which is a telephone marathon where students volunteers connect to the alumni with the goal of publicizing various alumni events and updating alumni database
- Found out contact details of many Alumni's of IIT Bombay.

KEY ACADEMIC PROJECTS

Dynamic surface tension for polymeric system

(May 2011 – July 2011)

Guide: Prof V.A.Juvekar

- Verified the relationship between the Bubble Frequency and Dynamic Surface Tension for a mixture of Sodium Dodecyl Sulfate(SDS) in Water using the **Maximum Bubble Pressure** method
- Graphically represented the change in the value of Dynamic Surface Tension for different samples of the mixture at a given Bubble Frequency and for a given sample at different Bubble Frequencies
- Derived the relationship between Surface Adsorption and Concentration in the solution adjacent to the surface using **Laplace transformation**

- Generation of **Unique Identity system** for all the residents living in the IIT campus, on the lines of government of India's project of setting up unique identify system.
- Wrote the code in C++ environment for the usage of UID in recording attendance, access control, conducting online exams etc.
- Currently being used by the academic section of IIT Bombay for recording attendance

Inspection of chemical manufacturing plant(spring-2009)

Guide: Prof. Sanjay Mahajani

- Analyse the manufacturing process of sulphuric acid and methanol at RCF Plant, Chembur.
- Successfully completed a training session to understand the working of Sulphur and methanol.

TECHNICAL SKILLS

- **Programming languages** – C , C++ , Matlab , HTML
- **Softwares** – MS office, Adobe photoshop
- **Language proficiency** –English,Hindi,Urdu

Courses Undertaken

| | | |
|-----------------------|--------------------|---|
| Introduction to C++ | Fluid Mechanics | Fundamentals of Heat and Mass Transfer |
| Thermodynamics | Philosophy | Chemical Reaction Engineering |
| Environmental Studies | Solid Mechanics | Energy Resource Environment and Economics |
| Transport phenomenon | Numerical analysis | Molecular cell biology |

Extra-Curricular Activities and achievements

Cultural

hostel Dramatic events such as **Freshizza(2009)** and won **the 3 prize**
in Dramatics competition

Technical

- Participated in **F1 car making** competition held in IIT Bombay
- Made a wireless car whose objective was to complete a given track with minimum amount of time.

Sports

- Participated in **district level swimming competition.**
- Was the part of **Squash team (National sports organisation)** of IIT Bombay in year 2009
- Represented hostel in **Squash General championship 2010.**