

Positions of Responsibility:

- 1. Maintenance Councilor- Hostel 4, IIT Bombay** [May 2012- Present]
 - **Elected** from over 500 hostel students, for the post of Maintenance Councilor of Hostel-4, the **biggest Undergraduate Hostel** in terms of strength of students, for the year 2012-13.
 - **Heading** a 2-tier Maintenance Council, with 3 Maintenance secretaries working under me, and solely responsible for handling the maintenance activities and projects in the Hostel.
 - Introducing amenities like **coffee vending machine**, home theatre system and **solar water heaters** in the hostel to improve the infrastructure of the hostel.
 - Undertaking and Heading the ambitious Hostel Renovation Project, worth about **ten millions INR**.
 - Along with hostel student council, responsible for handling of the Hostel Annual Budget of around **one million INR**.
- 2. Services Coordinator, Mood Indigo 2011.** [June 2011- Dec 2011]
 - As a part of a 16 member team, handled all the infrastructure requirements of the **Mood Indigo 2011**, Cultural festival of IIT Bombay.
 - Successfully contributed in providing the **infrastructure and service requirements** at one of the most important venues of the festival, **Lecture Theatre**.
 - Had the distinction of strictly following the **timeline** of all the events at the venue.
- 3. Awarded Hostel Special Mention** for Exceptional contribution in Organizational Activities (awarded to 6 out of 600 students) for the year 2011-12. Worked as 'Hostel Maintenance Secretary' in the year 2011-12.

Internships & Projects:

- 1. Research Intern, Rakshak Foundation** [May 2012- July 2012]
 - Completed research work and submitted the final report on the topic- 'Tackling Corruption from the Supply Side'. Completed this research under the **mentorship** of esteemed Anti-Corruption expert, *Shri P Venkata Rama Sastry, Inspector General, National Investigation Agency*.
 - Worked as a **research intern** at Rakshak Foundation, a premier organization working on policy research and development issues, and had a chance to interact with various **distinguished personalities** for the purpose of gathering information for the project.
 - Researched and critically analyzed the present system in India to tackle corruption from supply side, as well as submitted an **11-point recommendation report** on the same, which will be pursued for implementation by taking up the matter with the concerned ministry.
 - Was selected among **the 4 interns out of 40**, who gave presentations in front of Deputy Inspector General, Lucknow Zone during the course of internship.

2. Crystal Interfaces.

[July 2011]

- Completed a summer project involved in preparation of Initial Design Draft, under the mentorship of *Prof. Gururajan, MEMS Department, IIT Bombay*.
- The project will be uploaded on the **OSCAR IITB** website, which is a project undertaken by IIT Bombay in collaboration of **Ministry of Human Resource Development**, Govt. of India.
- **Authored** the IDD on the topic: “**Crystal Interfaces**”, which will be completed as **animation lecture** and made available to students all over the globe for basic study purposes.

3. Business Plan on an Innovative Materials technology.

- Presently working on a course project, involved in preparation of a business plan for an innovative materials technology, under the mentorship of *Prof N. Venkataramani, Dept. of MEMS*.
- The business plan will include the details of the innovative material; financial aspects like **capital generation**, investment, profits and break-even point for the venture; as well as **marketing plans and target customer base for the venture**.

Proficiencies:

- **Languages Known:** English, Hindi and Gujarati. Currently undertaking a 70- hour course in **Basic Japanese** Language at IIT Bombay Language classes.
- **Software Skills:** Proficient in use of software including Microsoft Word, Excel, PowerPoint; Video editing software like **Sony Vegas, Adobe Flash** and Adobe After Effects; Programming language: C++; and working knowledge of HTML.

Academic Course Projects:

- **Study of material properties of Spinel Structure:** Using techniques like XRD, EDX, SEM and weight analysis, studied the material properties of Spinel. [Jan 2012- April 2012]
- Replicated **Ferro-Fluids** in laboratory, fluids which don't follow Newtonian laws, under *Prof. Ajay Panwar of MEMS department* in the first year. [March 2011]
- **The Structural Properties of CN Tower, Canada:** Completed a Case Study on the topic. The study consisted of the study of the mechanical properties in the structure of the tower, its peculiarities and in depth analysis and criticism of the same. [Nov 2011]
- Created a “**Digital Address Storage Diary**” using the C++ programming language, under *Prof. R.K. Joshi* as a part of first year course project. [2011]

Key Extra-Curricular Activities & Achievements:

- Awarded **Student Director of the Month** (Feb-2012) by SFMI, an All India Online Film Festival.
- Was involved in the making of “**R&D at IITB**” video, the **official research & development video** of IIT Bombay which was shown in the Fresher's Orientation 2011. [June 2011]
- Made an Ad-movie using **stop-animation** for Antaragini, IIT Kanpur's annual cultural festival, on the subject of **Stop Aids**. The ad won 2nd position in the competition. [Oct 2011]
- Ranked **4th in the GUJCOST state level quiz**, organized by Indian Planetary Society at secondary school level. Also got a special mention among the winners from Dr. J. J. Rawal, leading astrophysicist of India. [2006-07]
- Secured **first** place in the Group Extempore event in Freshizza 2010, a premier cultural event for all the freshmen at IIT Bombay.