SCHOLASTIC ACHIEVEMENTS

* Secured **AIR- 1020/full form** in IIT-JEE entrance Examination amongst 3,00,000 students.
* Secured **AIR-132** in AIEEE (All India Engineering Entrance Examination).
* Attained **distinction in mathematics** (91st percentile)in International Assessments of schools by **University of New South Wales.**
* Secured (79%) in 43rd All India **United** **Nations** **Information Test**, being the highest in (district), by Indian Council for UN Information, USO.
* Secured 89% (merit) in 50th All India General Knowledge test by **United Schools of Organization**, India.

ACCOLADES

* Awarded **Institute Technical Special Mention** for the noteworthy contribution to the technical activities in the Institute.
* Awarded Hostel Tech Color for excellence in technical activities and noteworthy participation in representing hostel at

INDUSTRIAL EXPERIENCE

**Ecofirst Services Pvt Ltd, *Sustainable Design consulting firm***

1. **Green Township Project: Sustainability audit and Solutions to achieve Gold certification for an ongoing Neotown Township, Bangalore.**

* Conducted a detailed review of the IGBC green township rating system and subsequent feasibility study of the project with the achievable IGBC Green Township Rating.
* Worked with the project design team and advised them on various construction design parameters like materials … to meet the IGBC rating requirements.
* Worked on sustainability aspects for the project like Electrical energy system efficiency, Integrated Water management system consisting of waste water management and rain water harvesting, sewage treatment plan, passive downdraft evaporative cooling in wind towers and sustainable planning for the township.

2. **Green Pavements: Research study and potential implementation of green roads and pavements in India:**

* Interacted with Industry and professors to assess the existing research and potential for green practices in pavement construction in India and suggested potential solutions - recyclable, reusable, cold products like emulsions etc.

**Larsen & Toubro Monorail project, Mumbai**

15 days long work visit at LnT at Monorail project centre and studied about:

* Designing of structures, in-situ pile tests, batching of concrete, quality control testing on cement concrete, prestressing of guideway beams.

INTERNSHIP & KEY ACADEMIC PROJECTS

**University Putra MALAYSIA, Highway and Traffic Lab**

Guide: Prof. Dr. Ratnasamy Muniandy.

* Short term rut potential of oxidized asphalt binders used for pavement design.

**Designing software program for Pavement Design**

Guide: Prof. Gopal R. Patil

* Built a code for an executable program which designs the layered pavement structure according to the required design parameters.

**Optical Image Formation Demonstration**

Guide: Prof. Abhiram Ranade

* Developed a program illustrating the image formation by optical instruments involving advanced algorithm and graphic interface using C++ programming language.

ENERGY SCIENCE & ENGINEEERING MINOR

**Green Building Project**

* Analyzed the environmental impacts of building and detailed review about various components of an energy-efficient building.
* Presented the benefits of water recycling and rain water harvesting.

**Energy Management Course Project:**

* **Conducted the Energy Audit of Boiling Systems of the hostel kitchen.**

POSITIONS OF RESPONSIBILITY

**Overall Co-ordinator, TechniC Club** (The Technical Club of IIT Bombay) **[2010-11]**

*Co-headed a 2 tier team comprising of 11 core-group members and 16 hostel technical secretaries to promote and organize workshops, sessions and competitions for catering tech enthusiasts in the institute.*

*(Budget: 70,000 INR)*

Stronger verb!

* Restructured the events effectively Conceptualized and implemented set of innovative and genre-exhaustive events.
* Launched a project platform/in-semester research program called **“technovation”** in collaboration with the academic council.
* Effect:- leading to a huge leap in the amount(%) and quality of participation/ successful participation/ Witnessed Manifold increase Revamped

**Technical Secretary, Hostel: [2009-10]**

* Organized many useful workshops; Mentored juniors increasing resulting into successful participation
* Notable improvement in representation of hostel at Intra-hostel General Championships and other events.

**SOFTWARE SKILLS**

* **Programming languages/tools:** C/C++, MatLab
* **Application Software:** MS Office, STAADPro, VISSIM (for transport modeling), Adobe Photoshop, Eagle, LTSpice

**OTHER INTERESTS**

**Technical**

* Bagged **4th position** in an autonomous robot making competition **using micro-controllers**.
* **Robowars** and **Robo-holix -** made a manual and autonomous robot to accomplish a task.
* **Transformers:** Made a mechanical device that expands to the largest size using potential energy.
* **Tri-athlon:** Aero-modelling, structures and Electronics competition.

**Table Tennis**

* Secured **“Gold”** at Inter-hostel tournaments.[2010]
* Stood **3rd** at Table Tennis open tournaments for girls in the institute. [2008]
* Represented school at various TT tournaments at district and state level.

**Dance**

* Completed diploma in **Bharatnatyam dance** and presented ‘Arangetram’.[2003]
* Performed in Annual Insync Dance Show (AIDS ’09, ’10)

**Miscellaneous**

* Proficiency in **Japanese** language – write, read and speak upto the upper basic level certification conducted in IIT Bombay.
* Qualified for semi-finals in **Inter-Hostel Debate Competition** for freshmen in the Institute.
* Amateur Adventurer- **rock scrambling, paragliding, rivercrossing, water sports, river rafting.**