**SCHOLASTIC ACHIEVEMENTS**

* Recipient of the National Talent Search Examination **NTSE** Scholarship by the Govt. of India *(’05)*
* Ranked amongst **top 1%** of nearly 40,000 examinees in Indian National **Chemistry Olympiad** *(’07)*
* Ranked **6th** among junior college students in Physics Olympiad held at IIT Bombay *(’06)*
* Secured state rank 25 in Maharashtra Talent Search Examination conducted by Wadia College, Pune *(’03)*
* Recipient of the Middle School and High School Scholarship by the Govt. of Maharashtra *(‘99,’02)*

**POSITIONS OF RESPONSIBILITY**

**Internship Coordinator – Practical Training Cell** *July ‘09-April ’10*

*Part of a 20 member* ***founding team*** *of the Practical Training Cell, which acts as a bridge between students and companies or universities, and placed successfully more than 300 students*

* Initiated talks with over 200 technical and non-technical firms from various sectors in Mechanical Engineering and related areas such as IEOR, DES, SCM, and technical consultancies
* Collaborated with Foreign Universities for the first time – ensured 40 internships in various Canadian universities with total stipend amount of Can$ 3,40,000; resulted in **100%** **placement** in the department
* Formulated the Practical Training Policy after taking student feedback to ensure maximum student participation in the process and transparency in the system
* Awarded the **Institute Organizational Colour** for exceptional organizational contribution, given to only 0.1% of over 5000 students

**Coordinator, Department Mentorship Program** *April’11-Present*

*Objective of the program is to help academically under-performing students to improve their performance*

* Selected a **team of 18 mentors** and currently **leading** them to counsel over 300 students
* Initiated Summer Projects Program for freshmen to motivate them towards research and to build healthy student-faculty interaction; 26 freshmen worked under the scheme during summer
* Launched an **academic blog** with online resources and videos for core courses in mechanical department
* Identified software mentors in the department and conducted workshops explaining basics of various popular engineering software to provide exposure at the early stages

**Mentor***,* **Institute Student Mentorship Program** *July ’10-Present*

*Nominated based on overall profile, peer review and mentorship skills to provide guidance to freshmen*

* Currently mentoring 14 freshmen and helping them to make a smooth transition to campus life
* Collected and publicized information for various scholarships among freshmen students

**COMMUNITY DEVELOPMENT PROJECTS**

**Analysis of the Prices of Medical supplies in India** *April ’11- Present*

* Analysed the supply chain of the Indian Pharmaceutical and Surgical Industry to identify spikes in prices
* Identified incentive schemes on drugs offered to retailer as one of the major contributors to price rise
* Currently working with Consumer Guidance Society of India to prepare an action plan to increase awareness among consumers

**Indian Youth Climate Network (IYCN) – Prayantna** *May’11-Present*

*Prayatna is a guide to sustainable living for educating the youth in various schools and colleges in India*

* Prepared a strategy for delegation of work among team members for maximising productivity
* Developed content for the sustainable use of water explaining present status, challenges and solutions
* Included creative games and activities, case studies, and action Projects to educate in fun manner

**INDUSTRIAL EXPERIECNE**

**Bekaert Industries Pvt. Ltd***. May’09-July’09*

*Reduction in discrepancies of Tensile Tester to detect the faulty weld joints of steel cords*

* Performed root cause and gap analysis of the tensile tester on the welder machine
* Designed experiments to calculate the actual load transmitted to weld joints by tensile tester
* Recommended solutions to improve the effectiveness of tensile tester which include change in hanger angle settings, change of clamping material, and introduction of electrical drive to avoid manual error

**HatTrick Edventures Private Limited - Children’s Technology Workshop** *December’09-January’10*

* Developed content for science training curriculum for under-privileged schools
* Initiated to draw connections between the resources available at CTWorkshop and the Olympiads
* Devised plan for translating popular astronomy software Stellarium in regional Indian languages

**KEY ACADEMIC PROJECTS**

**Post Graduate Dissertation** *January’11-present*

**Decision Support System for Warranty Manage** *Guide: Prof. Subash A Babu*

* Analysis of warranty policies and models used by companies from various sectors across the world
* Developing model for product support system aimed at helping companies in performing their after sales services tasks more efficiently

**Collaborative Engineering - Transport system design for farming level in vertical city** *Jan’11-Apr’11*

* Finalised design after evaluation with **AHP** (Analytical Hierarchy Process) of five feasible designs, obtained through brainstorming, satisfying the functional requirements and adhering to the constraints
* Optimized the design for environment, service, assembly, manufacturing, and cost after detailed **FMEA** (Failure Modes Effects Analysis); Secured **2nd** position among 15 teams spread across the department

**Discrete Event System Simulation Project** *Aug’09-Nov’09*

* Modelled, simulated and optimized petrol-pump bunk & call centre using simulation software ‘ARENA’

**EXTRA-CURRICULAR ACTIVITIES**

* Completed basic level course of **Sanskrit language** offered by Sanskrit Bharti, Pune with Distinction

**Volunteer, Vidya - Social service organization of IIT Bombay**

* Taught Science and Mathematics to underprivileged students (3rd to 10th Grade) continuously emphasizing on continuation of their education
* Coordinated collection of old clothes from students as a part of the Salvation Campaign Drive

**Hostel Maintenance Secretary** *Aug’08-Apr’09*

* Established keynote changes in hostel facilities which include online complaint filling system, new equipment for gym, new washing machines, new flood lights for grounds

**Events Coordinator, Techfest** *Aug’08-Jan’09*

* Conceptualized & headed a team of 18 organizers successfully in organizing the event ‘Enduro’ during Techfest 2009 which saw participation of around 300 students from various colleges across India