Mechanical Engineering
Indian Institute of Technology, Bombay

09010023
UG Third Year (B.Tech.)
Male
DOB:

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	0.00
Intermediate/+2	HSC	Pratibha Niketan Junior Collage	2008	77.33
Matriculation	SSC	Nagarjuna Public School	2006	91.46

SCHOLASTIC ACHIEVEMENTS

- Secured **All India Rank 426** in **IIT JEE** which had about 400,000 applicants, April 2009
- Secured **All India Rank 490** (State Rank **51**) in the **All India Engineering Entrance Examination** which had about 1 million applicants, April 2009
- Recipient **of MCM Scholarship** at IIT Bombay
- Was awarded certificate of **Excellence of Merit** by the Educational Board of Maharashtra for outstanding performance in standard 10^{th}.

KEY PROJECTS

Electrification of Rural India ***(May-July 2011)***

Guide: Prof Narayan Rangaraj

Contacted Maharashtra Prabhodhan Seva Mandal (MPSM) and collaborated with them to carry out this project

- Carried out field studies, interviewed the people about problems they are facing with the current system, studied the equipments installed
- Contacted the vice president of **Reliance Infrastructure and Tata BP Solar**, thereby getting them involved in the project as **stakeholders**.
- Formulated a **maintenance-free** alternative solution that **enhanced productivity** and **reduced price to 30%**. The same was then demonstrated live to the people, showing them the advantages of the new system.
- This project, under the guidance of Prof Narayan Rangaraj, will soon be **presented** to the Non Renewable Energy Department of **Government of Maharashtra**.

Modeling of cost associated with uncertainty in a train's travel time ***(July 2011-Present)***

Guide: Prof Narayan Rangaraj

- Working on identifying the costs related to each parameter in train travel, like infrastructure cost, technology cost to stations; cost bore by passengers, bore by rail freight services, etc
- Will be **optimizing the slack times** for train using the classical stochastic inventory theory and Newsvendor problem based on the costs' data obtained
- In **collaboration with the Indian Railways**, we will be conducting a survey on cost associated with delays on each of the parameters and also will be getting data and statistics of train delay.

STIP, Thinklabs. ***(May - July 2010)***

- Completed successfully **Summer Training and Internship Program** in Mobile Robotics under ThinkLABs Technosolutions Pvt Ltd, an IIT Bombay alumnus venture.
- Made a robot that could traverse a given grid, detect a stationary object and get it back to the starting point in **minimum possible time**

Mini National UID for IIT Bombay ***(October - November 2009)***

Guide : Prof Deepak Phatak

- Involved in developing software to assign a **Unique Identification Number** to every IIT Bombay student.
- Implemented Code in C++ for Finger-print classification and consolidation
- Designed by creating templates using Minutiae after Thinning of Image

POSITIONS OF RESPONSIBILITY

Marketing coordinator, Mood Indigo: *(July-December 2010)*

- Worked in a team of 40 members to contact and collaborate with Companies to secure sponsorship for the entire fest.
- Coordinated with sponsors of over 10 events during the festival.

Tech Mentor *(July-November 2010)*

Motivated and mentored a group of 50 first year students; conducted sessions and solved their doubts for technical competitions

EXTRA CURRICULAR ACTIVITIES

- Part of **National Social Service** of IIT Bombay in my first year
  - Part of **GRA** involved visiting villages, understanding prevailing problems assist villagers to find their solutions.
  - Part of **Educational Outreach** of IIT Bombay in my first year involved teaching Mathematics and Science to school students in campus
- **Student Journalist** : Writer of InsIghT (IITB's student newsletter)
- Writing a fictional story on an aspect of IIT life as part of course project
- Member of **Winning Team** of inter hostel **Technical General Championship**
- Undertaking a course in Basic German Language course

RELEVANT COURSES

- Industrial Engineering and Operation Research
- Humanities and Social Sciences: Economics, Sociology
- Math: Calculus, Linear Algebra, Numerical Analysis, Differential Equations
- Data Analysis and Interpretation (including MATLAB)
- Heat Transfer, Thermodynamics, Fluid Mechanics