



**Mahesh Sharma**  
**Civil Engineering**  
**Indian Institute of Technology, Bombay**

**09004026**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 03-08-1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.86
Intermediate/+2	RBSE Board	TCA Sr. Sec. School	2008	84.46
Matriculation	RBSE Board	TCA Sr. Sec. School	2006	86.83

## AWARDS AND SCHOLASTIC ACCOMPLISHMENTS

- Ranked among **.3% nationwide out of 4 lakh** students who appeared for IIT JEE (2009)
- Amongst the **top .07% out of 10 lakh** students who appeared for All India Engineering Entrance Examination AIEEE-09. (2009)
- Got **3<sup>rd</sup> rank** in State Level Engineering Entrance Examination. (2009)
- Recipient of **Merit cum Means scholarship** (₹60000 per year) at IIT Bombay .
- Awarded scholarship by district board for excellent performance in **"Sanskrit"** language. (2004)

## WINTER INTERNSHIP

- 21<sup>st</sup> Century Education Private Limited (Dec-2010)
- Worked for Mumbai Robo Champ competition.
- Conducted examinations in various schools throughout Mumbai .
- Conducted workshop of robotics for winners selected from schools and then conducted a competition of robots made by students.

## ON SITE TRAINING

- Work visit at a construction site in Chandivali (Mukesh group of company ,a 40 floor building). (Oct'10)
- Work Visit at CWPRS (Water and Power Research) in Pune (April'11)
  - Learnt **Optimisation of port** and harbour design by studying model of Mumbai
  - Learnt long term changes in river platform, bed level, **flood discharge analysis** of river Ganga

## PROJECTS UNDERTAKEN

- **"Tower of Babylon"** (organized by Global Alliance of Technological universities) (Feb'11-May'11)  
Guide: Dr. Y. M. Desai, HOD of Civil dept.
  - Represented IIT Bombay as one of the twelve members of team.
  - Won competition cum interdisciplinary project to enhance complex holistic thinking in a sustainable context.
  - Designed and Constructed a sustainable iconic low cost structure in the design of tilted kettle of tea and cups out of waste and locally sourced materials with the budget 1000\$
- **"Studied and analysed strategy of tea market"** (Oct'09-Nov'09)  
Guide: Prof. Haripriya Gundimida, HSS
  - Comprehensive study of market plans of tea companies
  - Studied and analysed monopoly, oligopoly and perfect competition in tea market.

## TECHNICAL LABS

- **Design of Structures**- Learnt about location of structural members, Load calculations and preliminary design, Computer analysis of buildings, Design and drawing for various Structural members.
- **Soil Mechanics**-Learnt soil-Identification of soils, Determination of physical properties, Consistency limits, Determination of compaction characteristics, permeability and free swell tests.
- **Mechanical workshop**: Learnt about and performed various mechanical techniques like welding , fitting, shaping, lathing etc.
- **Engineering drawing**: Studied various aspects and views of engineering drawing.
- **Solid mechanics**: Studied various types of stresses and strain acting on different bodies.
- **Fluid mechanics and hydraulics design lab**: Learnt about different types of fluid mechanisms, flow measuring techniques.
- **Geodesy Lab**: Horizontal control-compass, plane table and theodolite traversing, plotting traverses and mapping details , vertical control spirit leveling, tacheometry and trigonometric leveling, curve setting
- Chemistry and Physics Labs .

## POSITIONS OF RESPONSIBILITY

- Competition Manager for **Aakaar**-2012 the annual festival of Civil Department
  - I am currently serving as the manager for the annual technical festival, Aakaar, of Civil Engineering Department, IITB. As the office bearer my responsibilities are to conceptualize, design and realize the competitions at the festival for participants from the country.
- Coordinator for Mood Indigo – 2010 and organizer for Mood Indigo – 2009 the annual cultural fest of IIT Bombay.(**Asia's Biggest College Cultural Festival**).
  - Worked in department of **Media and Public Relation**.
  - Supervising the team of 10 organizers .
  - During organizer year helped department in proper publicity of sponsors and also helped for proper working of a **blood donation** drive associating with an **NGO** Think Foundation to make a total of over **200 donations** during Mood Indigo 09.
  - Helped **MTV** and other media persons in coverage of festival.
- Coordinator for **Techfest**- 2010 the annual technical fest of IIT Bombay.
  - Organised the event of **Pandora's Box** based on volume expansion.

## TECHNICAL ACCOMPLISHMENTS

- Technical Skills
  - Operating System: Windows, Mac OS, Linux
  - Language: C++ (Done a course CS 101 at campus)
  - Comprehensive knowledge of MS Office & basic knowledge of Scilab

## COURSES UNDERTAKEN

- **MATHS**- Calculus, Linear Algebra, Ordinary and Partial Differential Equations, Probability and Statistics.
- **DEPARTMENT COURSES** – Design of Structures, Engineering mechanics, Solid mechanics, Advanced solid mechanics, Fluid mechanics, Structural mechanics, Hydraulics Engineering, Geodesy.
- **OTHERS**- Physical, Organic and Inorganic Chemistry, Electromagnetism, C++, Economics, Engineering Drawing, Introduction to Electrical and Electronic circuits, Economics, Environmental studies of Science and Engineering.