



Sreeta Gorrrpaty
Civil Engineering
Indian Institute of Technology, Bombay

09004074
UG Third Year (B.Tech.)
Female
DOB: 16-10-1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.96
Intermediate/+2	APBIE	Vijaya ratna junior college	2009	96.60
Matriculation	CBSE	Kendriya vidyalaya	2007	96.00

SCHOLASTIC ACHIEVEMENTS AND AWARDS

- Department Rank **6** among more than **100** students of Civil Engineering Department (2011)
- Won the **First** prize in the 5th **S C Mehrotra essay writing** competition held by **Indian Association of Structural Engineers** (June 2011)
- Participated in the **MIT Media labs** 'Design and Innovation Workshop' 2011 **workshop**, held at COEP, Pune (Jan 2011)
- Received a **gold medal** in science Olympiad conducted by **Science Olympiad Foundation** (2006)
- Received distinction (top **.01%**) in **Mathematics** in the CBSE board exam. (2007)
- Among the top **300** students in the National Standard Astronomy (**NSEA**) Examination organised by the Indian Association of Physics Teachers (IAPT), under **HBSCE** (2008)
- Received **A.S Rao** award for excellence in sciences. Secured **6th** position in the state (2006)
- Secured **1090** AIR in **IIT-JEE** (2009)
- Secured AIR of **707** among 10 lakh students (approx) in AIEEE entrance exam (2009)

SCHOLARSHIPS

- Awarded scholarship by The Board of Intermediate Education Andhra Pradesh (**BIEAP**) for securing **96.6%** cumulatively in intermediate (2009)
- Received scholarship from **Kendriya Vidyalaya Sangathan** for securing **96%** in tenth board examination (2007)
- Secured a scholarship from **TIME** institute through a talent search examination (2009)

POSITION OF RESPONSIBILITY

- **Core group member** of the Institute Technical Body, **TechniC-** responsible for organising and implementing various ideas, projects, competitions and exhibitions in the institute (2010)
- **Institute Tech mentor-** responsible for enthusing and helping out freshmen, in the field of tech (2010)

KEY ACADEMIC PROJECTS AND INTERNSHIP

- **Internship - N R Consultants :** (June **2011**)
 - Analysed **structural** and architectural Designs of various structures and the **estimation** of quantity and price of various materials used in construction
- **Undergraduate Research Award- Mechanics of embryonic cells :** (Aug **2011**-to date)
 - Currently working on the mechanical modelling of the embryonic stem cells undergoing differentiation as a part of URA
 - Working on the parameterisation of the various factors influencing the differentiation and movement in stem cells

Guide : **Mandar M Inamdar**

- **Technovation – Under Water Glider :** (2010-2011)
 - Worked on structural aspect of glider under the funding of Institute
 - We worked on a glider, that was unpowered and modified its structure such that buoyancy was used as its propelling mechanism
Guide: **Hemendra Arya**
- **Mini National Unique Identification project (NUID):** (2009)
 - A team of 80 students worked on the institute project of developing Finger Print Identification Machine Programming code
 - Our team of 4 worked on the application part of the data given by the finger print identification machine
Guide: **Deepak B Phatak**
- Work visit to **CWPRS** (Central Water and Power Research Station), Pune – Observed the **physical modelling** and working of the fluid mechanics in various water bodies(Mumbai port, dams, etc)
Guide: **B S Pani (2011)**
- Prepared a **minor** report on **Quasicrystals** and their behaviour
Guide: **P P Singh(2011)**

COMPUTER SKILLS: C++, MATLAB, SCILAB, MS OFFICE, Arduino, HTML, CAD, Audio Processing, Adobe Photoshop

OPERATING SYSTEMS: WINDOWS, LINUX

EXTRACURRICULAR ACTIVITIES

- Awarded Hostel **Special mention** for Technical activities (2011)
- Qualified in Pandora's box (2011) and participated in bascule bridge (2010) competition, **Techfest**, IIT Bombay
- Performed in **Surbahar** (2010), the biggest musical presentation by the students of IIT Bombay
- Pursuing **Carnatic** vocal classes
- Won the first prize in **Freshizza** movie-making competition
- Gave **winning** music (Hindi and English) band performances (both vocals and Casio instrumental), in **freshizza, Acoustic Dust**
- A participant in **Teach Me** (an Initiative by IIT Bombay to teach underprivileged kids in slums)
- An active member of the debating club, literati club and gave a radio program in the **campus radio**

COURSES UNDERTAKEN

- Pursuing a **Minor** degree in **physics** department
- Pursuing an **Honours** degree in Civil department

Core Courses:	Solid Mechanics, Advanced Solid Mechanics, Fluid Mechanics, Hydraulic Engineering, Water Resources*, Structural Mechanics, Advanced Structural mechanics*, Design of structures*, Geodesy, Soil Mechanics*, Engineering Mechanics, Engineering Drawing,
Non-Core courses:	Environmental Studies and Engineering, Data Analysis and Interpretation, C++, Economics, Introduction to Electrical and Electronic Circuits, Literature*
Math And Physics: (Minor)	Differential Equations, Advanced Differential Equations , Linear Algebra, Calculus Condensed Matter Physics, Classical Mechanics, Thermal and Statistical Physics*, Chemistry

(Starred courses will be completed by December)