



**Hemali Shah**  
**Metallurgical Engineering & Material Science**  
**Indian Institute of Technology, Bombay**  
**Specialization: None**

**100110014**  
**UG Third Year (B.Tech.)**  
**Female**  
**DOB: 16th Nov 1992**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2013	8.69

#### **ACADEMIC ACHIEVEMENTS:**

- Achieved All-India Rank 1867 in IIT-JEE 2010
- Secured All-India Rank 1094 and state rank 113 in AIEEE 2010
- Recipient of **National Talent Search Examination (NTSE)** Scholarship
- Secured 13<sup>th</sup>, 15<sup>th</sup> and 6<sup>rd</sup> ranks in **Regional Mathematics Olympiad (RMO)** in 2006-07, 2008-09, 2009-10 respectively in Maharashtra and Goa region
- Received **Certificate of Merit** in **Indian National Mathematics Olympiad (INMO)** in 2010

#### **POSITIONS OF RESPONSIBILITY:**

- Worked as a **Co-ordinator** in **The E-Cell** in **Public Relations** and **Operations** Departments  
Managed pre-event publicity and contacted College Representatives from various colleges. Also contacted some companies for sponsorship
- Worked as a **Co-ordinator** for **Padarth** in Competitions Department  
Conceptualized and organized various competitions for the annual department festival
- Worked as **Organizer** for **Mood Indigo 2010** in **Horizons** and **Competitions** Departments  
Managed Vogue (a fashion show competition), Fine Arts Competitions and Omniscience (quizzing festival of IIT Bombay) during MI

#### **ACADEMIC PROJECTS:**

- **Hand Scanner Device**  
Developed a C-language program that used TCP sockets to retrieve attendance transaction records from a hand scanner device
- **Supply Chain Management** (Guide – Prof. Patil)  
Conducted a case study on the supply chain of HP Deskjet printers in Europe and studied the pros of supplying generic printers and integrating the localized product at the distribution centers in place of the manufacturing plant which significantly reduced inventory holding costs, thereby increasing profits
- **Stock Market Trading** (Guide – Prof. R. K. Joshi)  
Built a software which can handle various transactions involved in stock-market trading
- **Non- Newtonian Fluids** (Guide – Prof. A. Panwar)  
Demonstrated and studied the elastic properties of **corn-starch**, also called ooblek, which has a non-constant coefficient of viscosity
- **Carbon Carbon Nanotubes** (Guide – Prof. A. Panwar)  
Modeled and studied the properties and defects of carbon nanotubes

**PROGRAMMING LANGUAGES KNOWN : C, C++, Java, Visual Basic**

#### **RELEVANT COURSES :**

- **Completed :** Computer Programming and Utilization, Accounting and Finance, Economics, Operations Management, Data Analysis and Interpretation, Calculus, Linear Algebra, Differential Equations
- **Running :** Introduction to Numerical Analysis, Human Resource Management

#### **EXTRA CURRICULAR ACTIVITIES:**

- Avid reader of fantasy fiction
- Excellent verbal and written skills in English, Hindi, Gujarati and Marathi