Majmudar Jimit R.
Civil Engineering
Indian Institute of Technology, Bombay

08004003
UG Third Year (B.Tech.)
Male
DOB: 23-11-1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.17
Intermediate/+2	ISC	Seventh Day Adventist	2008	88.00
Matriculation	ICSE	Seventh Day Adventist	2006	90.33

ACADEMIC ACHIEVEMENTS:

- Scored a Semester Performance Index (**SPI**) of **9.4** during the last semester.
- Scored a Semester Performance Index (**SPI**) of **8.93** in the first department (core) semester, and a Cumulative Performance Index (**CPI**) of **8.7** in the first department (core) year.
- Was ranked **2nd** in a class of 27 students in a course on **'Numerical Methods in Civil Engineering'** conducted by **Prof. Y. M. Desai**.
- Was awarded **AA grade** for excellent performance in the course **'Structural Mechanics-II'** conducted by **Prof. P. Banerji**.
- Was awarded **AA grade** for excellent performance in the course **'Design of Structures-I'** conducted by **Prof. Ravi Sinha.**
- Was one among the 3 students (from a class of 25 students) to be awarded **AA grade** for excellent performance in the course **'Advanced Solid Mechanics'** conducted by **Prof. Alok Goyal**.
- Ranked 1,189 in IIT-JEE 2008 among over 3,50,000 students, with a **percentile of 99.66**.
- Ranked 3,924 in AIEEE 2008 (Gujarat State Rank – 66) among over 8,00,000 students, with a **percentile of 99.51**.
- Was ranked **1st in Gujarat state** in Computer Science (**Java Programming**) subject in the matriculation exam (**ICSE**) with **99%** marks.
- Cleared the **National Level Science Talent Search Examination** (NSTSE, Jan '05) conducted by the **Unified Council**.

IMPORTANT PROJECTS:

- **FINITE ELEMENT ANALYSIS** *(May '10 – Jul '10)*
  (Guide-Prof. Yogesh M. Desai, Dept. of Civil Engineering, IIT Bombay)
  Developed a FORTRAN code, with object oriented concepts, and added it to the Simplified Finite Analysis Program, in order to enable the program to analyze grid structures, in addition to its existing capability of solving trusses, plane frames and beams, and two dimensional plane stress-strain problems.
  The results were confirmed by manual solving and various commonly used packages like ANSYS.

- **STUDY OF THE USE OF NUMERICAL METHODS IN CIVIL ENGINEERING** *(Mar '10 – Apr '10)*
  (Guide-Prof. Tarun Kant, Dept. of Civil Engineering, IIT Bombay)
  Attended the out-of-curriculum lectures that focused on the usage of Numerical Methods in Civil Engineering problems. The lectures mainly dealt with the solutions of various Differential Equations. The lectures were conducted by Prof. Tarun Kant upon special request.

- **PRODUCT DESIGN** *(Jul '09 – Sep '09)*
  (Guide-Prof. B. K. Chakravarty, Industrial Design Centre, IIT Bombay)
  Designed and successfully created a product of high utilitarian value with waste materials such as trash cardboard tubes, waste paper, threads and so on. The project was a part of the course on Industrial Design.

- **ENDURO** *(Dec '08 – Jan '09)*
  Along with team of two other students, conceptualized and designed an all-terrain robotic vehicle, that went on to be the fastest of its kind in entire IIT Bombay. This involved implementing RF circuitry over a sturdy mechanical model.

- **ARCHERY GAME** *(Sep '08 – Nov '08)*
  (Guide-Prof. Abhiram Ranade, Dept. of Computer Science, IIT Bombay)
  Designed an Archery Game using C++ programming. The game had a user-friendly interface, in which the aim moved up-down on the screen and the player had to shoot that aim. The game possessed a salient feature of increasing difficulty levels.

IMPORTANT COURSES UNDERTAKEN AND GRADES SCORED:

COURSES BELONGING TO STRUCTURAL ENGINEERING	COURSES BELONGING TO COMPUTATIONAL FIELD
• Advanced Solid Mechanics (AA) • Structural Mechanics-II (AA) • Structural Mechanics-I (AB) • Design of Structures (AA) • Engineering Mechanics	• Numerical Methods in Civil Engineering (AB) • Computer Programming & Utilization • Differential Equations-II (BB) • Differential Equations-I (AB) • Data Analysis & Interpretation (Probability & Statistics)

SOFTWARE SKILLS:

- **Operating Systems:** Windows, Linux
- **Softwares:** Photoshop CS 3, MATLAB, AutoCAD, ANSYS
- **Languages:** Java, C/C++, Fortran