Jaymin Kotecha
Civil Engineering
Indian Institute of Technology, Bombay

09004044
UG Third Year (B.Tech.)
Male
DOB: 20/09/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.72
Intermediate/+2	CBSE	Children's Senior Secondary School	2009	83.00
Matriculation	SSC	Rustomji High School	2007	87.60

Academics Awards and Achievements

- Secured an **All India Rank 1241** out of 400,000 students appearing for **IIT-JEE 2009.**
- Awarded as **Top 1%** students in India and Qualified for **Indian Physics Olympiad.**
- Secured **1^{8th} State Rank** and **2^{6th} State rank** respectively in **MTSE 05** (*Maharashtra State Talent Search Examination*) and **MTSE 06**.
- Awarded **Thrice** the **Certificate of Merit** for excellence in **Mathematics** in school. (2001-04)
- Secured **2nd Position** in **Cadbury Bournvita Quiz Contest**, Intra School Quiz. (2002)
- Pursuing a **Minor** degree in **Industrial Design** at IDC, IIT Bombay.
- One of the few **Recipients of MCM** (*Merit cum means*) **Scholarships** in IIT Bombay.

Projects, Training and Internships

Site Training at **Jaipur Metro** Phase 1**,** Jaipur *(Delhi Metro Rail Corporation)*   [May - July '11]
Jaipur Metro Rail is proposed to be set up on public private partnership model covering a total length of 35 km.
- Phase I Consists **8 Elevated Stations** and **1 Underground Station** between Chandpole to Mansarovar.
- Analysed the **Framework** of **Diaphragm Foundation** *(D-wall),* **Piling Foundation**, **Pier and Pier Cap, Ducting Segments** by visiting places such as **Stations, Depot, Segmenting Yard** and other **Sites**

Work Visit at CWPRS, Pune *(Central Water Power Research Station)*   [Feb '11]
- Studied and analysed basic research to provide sound and economic solutions for Hydraulic machinery, Costal engineering and Foundation and Structure.
- Analysed the **Prototype Model** of **Coastal Region** of **Mumbai City**.

Work Visit at IT Business Park, Chandivali, Mumbai *(Sterling Constructions)*   [Aug '10]
- Learnt about various aspects of construction like Shuttering work of column, Post tensioning work, Reinforcement work of column, Functioning of a tower crane.
- Learnt the importance of all the Safety Measures that are to be taken at Construction Sites.

"Sharing Auto System for Mumbai City" in HCI *(Guide: Anirudha Joshi, IDC)*   [Jan - Apr '10]
- **Interviewed** several **Auto drivers** and **Passengers** to know about the Problems faced by them and get other inputs.
- Designed the **New Meter Card, Mobile App Interface, Facebook linked Site** for Regular Users.

"Finger Print Basis Identification" in C++ *(Guide: Dr. D.B. PHATAK,CSE)*   [Jul - Nov '09]
- Accomplished task given to our team and contributed in **Unique Identity Allocation.**
- Used **File handling to record data** of registrations and Fingerprint images.

Technical Lab Experience

- **Mechanical Workshop:** Studied various mechanical techniques and used them in welding, fitting, lathing, shaping, etc.
- **Engineering Drawing:** Studied aspects of 2-dimensional and 3-dimensional Machine drawing.

- **Solid Mechanics Lab:** Practically studied different types of stresses and strains on different bodies.
- **Fluid Mechanics Lab:** Practically studied various laws related to fluid mechanics.
- **Geodesy Lab:** Studied Surveying using different methods and various Instruments like Theodolite, Total Station, and GPS.
- **Design of Structures:** Studied different IS *(Indian Standard)* Codes and Mixed design Concrete to design Structures with different Strength.
- **Soil Mechanics Lab:** Studied the distribution Pattern of Particle Size in Soil sample by using various Sieve shakers and other instruments and thus deriving other physical properties.

Courses Undertaken

Core Courses
- Engineering Mechanics
- Fluid Mechanics
- Solid Mechanics
- Geodesy
- Structural Mechanics - I
- Structural Mechanics - II
- Soil Mechanics - I

Others
- Computer Programing and Utilization
- Electrodynamics
- Introduction to Industrial design, Design issues and Human Computer Interaction as part of **Minor** in **Industrial Design Centre (IDC)**
- Economics, Environmental Studies and Psychology as part of Curriculum from **Humanities and Social Science Dept. (HSS)**

Computer Skills

Software/ Languages   C/C++, Adobe Photoshop, AutoCAD, MS Office.
OS   MAC**,** Linux and Windows.

Positions of Responsibility

Core Group Member, Marketing, Aakaar   [Jul '11 - Date]
(Civil Department Festival, IIT Bombay)
- Heading the Marketing Team and leading the team of over 20 volunteers for Marketing of Aakaar.
- Work involves **interacting** and **negotiating with corporate giants** and generating the Sponsorship for 2-day event.

Co-ordinator, Hospitality, Mood Indigo 2010   [Apr – Dec '10]
(*Asia's Largest Cultural Festival*)
- Currently working and Maintaining **Public Relationship** (PR) with Cultural Heads of Other colleges and conceptualising various ideas of publicity, Food and Beverages

Co-ordinator, SARC
(Student Alumni Relationship cell)
- Keep posting recent Updates to Alumni about IIT Bombay and updating their Databases.
- Contacting Alumni to ensure their active Participation in New Programmes Launched.

Key Extra Curricular Activities

- **Active Member** of **Pixels** – *Photography Club of IIT Bombay.*
- **1**[st] **prize in treasure hunt** event in Freshizza (Inter freshers event in IIT)
- Awarded **Twice** as the **Best Scrabble Player** in School. (2005-07)
- Member of the **winning production team** in Performing Arts Festival 2010 (PAF)
- Actively participated and worked in the **Blood Donation Drive "KHOON CHALA"** associating with an **NGO Think Foundation** to make a total of over 200 donations during Mood Indigo'09
- **Head boy** of School in year 2006-07. Also represented School in **Volleyball** and **Cricket**.