



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

- Among **top 1%** students in India who **qualified** for **Indian Physics Olympiad**.
- Secured **18th State Rank** and **26th State rank** respectively in MTSE 05 (*Maharashtra Talent Search Examination*) and MTSE 06.
- Awarded Thrice the **Certificate of Merit** for excellence in **Mathematics** in school. (2001-04)
- Pursuing a Minor degree in Industrial Design at IDC, IIT Bombay.

Industrial Training

Future Supply Chains, Future Group (Mumbai)

[Dec '11]

"Simulation project for Synergy of Transport Systems"

- Analysed and identified the **networks having optimum costs** savings in existing transportation system of **"Express"** (External Transportation) and **"Mihan Distribution"** (Internal Transportation).
- Suggested the **New Transportation System** by merging both the systems
- Accordingly, **Designed Departure - Arrival Timetable** for the Trucks as per new proposed System
- Implementing** the recommendations will result in a **16%** cost reduction (approx **4.5 crs** per year)
- Avg. capacity utilization of each truck raised to **88%** from previously 63% simultaneously **improving** 'Service Level' of Future Supply Chains

Site Training at Jaipur Metro Phase 1, Jaipur (Delhi Metro Rail Corporation)

[May - June '11]

"Jaipur Metro Rail is proposed to be set up on public private partnership model covering total length of 35km"

- Visited and Studied the working at construction Sites consisting of **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 Sites such as Stations, Depot, Segmenting Yard and other Const. Sites.
- Conducted **Quality Control Tests** of Concrete

Positions of Responsibility

Manager, Marketing, Aakaar'12

[Jul '11 - Date]

(Civil Department Festival, IIT Bombay)

- Heading the Marketing Team and leading the team of over 30 volunteers for Marketing of Aakaar.
- Work involves **interacting** and **negotiating with corporate giants** and generating the Sponsorship for 2-day event.
- Conducted **Corporate Dinner** promoting collaboration between IIT Bombay Professors, Students and the industry, driving innovation and future growth.

Initiatives and Impacts

- Conceptualized the theme **"Go Green"** to develop awareness among the Civil Engineering Students.
- Working and Conceptualizing the execution plan for the Event **'CivIQ – The Open Quiz'** -
 - To assess logical abilities (IQ) along with Civil Engineering Aptitude of Students
 - To be held in 4 cities across Maharashtra for the first time ever by any Civil Technical festival

Co-ordinator, Hospitality & PR, Mood Indigo 2010

[Apr – Dec '10]

(Asia's Largest Cultural Festival)

- Worked for maintaining **Public Relationship** (PR) with Cultural Heads of over 1300 other colleges.
- Ensured that over 75000 footfalls comprising of Participants, Sponsors, Judges and others associated do not have a problem and have a wonderful outing at Mood Indigo 2010.
- Conceptualised various ideas of Publicity, Food and Beverages

Co-ordinator, SARC

(Student Alumni Relationship cell)

- Updated Alumni about the recent on-going activities in IIT and Maintained their Databases.
- Contacted about 100 Alumni to ensure their active Participation in Newly launched – Alumni Student Mentorship Programme (ASMP).

Head boy of school in year 2006-07

- Elected to represent 1000 students at School Advisory Board
- Lead a two-tier team of **12 council members** to ensure smooth functioning of school activities
- Anchored School's annual Gathering comprising of over 1500 Audience.

Major Projects Undertaken

Reduction of earth pressure on retaining wall *(Guide: Dasaka Murthy, Civil Eng. Dept.)* [Aug '11- Date]

- Working on Usage of Geo-foams (different in density) for reduction of earth pressure on retaining wall.
- Accordingly Conducted, Direct shear test of Geo foam-sand interface and Axial loading on Geo-foam to analyse the elastic modulus and compressive strength at 1%, 5% & 10% strain for different density.
- Acquainted in dynamic actuator, Pluviator and UTM.

Stress controlled plate load test *(Guide: Dasaka Murthy, Civil Eng. Dept.)*

[Jan '12- Date]

- Finding the stress bearing capacity of grade II sand (Indian standard) using IS 1888.
- Varying parameter like relative density from 40% to 90% and the size of plate from 10cm and 7.5 cm and shape of plate.

Sharing Auto System for Mumbai City" in HCI *(Guide: Anirudha Joshi, IDC)*

[Jan - Apr '10]

- Interviewed around 20 **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

Extra Curricular Activities

Miscellaneous

- Awarded **Twice** as the **Best Scrabble Player** in School. (2005-07)
- Secured **2nd Position** in **Cadbury Bournvita Quiz Contest**, Intra School Quiz. (2002)
- Cleared the **Financial Markets** and **Derivatives Markets** Modules of NCFM (*NSE's Certification for Financial Markets.*)

Photography and Arts

- I am a hobby Photographer with a keen interest in **SLR Photography** and an Active Member of **Pixels – Photography Club of IIT Bombay**.
- Secured **2nd Position** in **Portrait Drawing Competition** in School. (2004)

Sports and Cultural Activities

- Member of the **winning production team** in Performing Arts Festival 2010 (PAF)
- **1st prize** in **treasure hunt** event in Freshizza (Inter freshers event in IIT)

