



Soumil Agrawal
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: Structural Engineering

09D04003
UG Third Year(Dual Degree)
Male
DOB: 24-June-1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.67
Intermediate/+2	CBSE	Rajeev Gandhi Senior Secondary School	2009	88.20
Matriculation	CBSE	Delhi Public School	2007	89.20

SCHOLASTIC ACHIEVEMENTS

- **Department Rank 1** in the Dual Degree batch.
- Secured an **AIR 1502** in **IIT-JEE 2009**.
- Secured an **AIR 216** and **State rank 11** in **AIEEE 2009**.
- **CBSE Merit Scholarship** for meritorious performance in **AIEEE 2009** awarded to **top 250** students.
- Awarded **AA** grade in Departmental courses - **Engineering Mechanics, Solid Mechanics, and Structural Mechanics**.

PROJECTS & INDUSTRIAL EXPOSURE

- **Central Water And Power Research Station, Pune** (May 2011)
 - Learnt Optimisation of port and harbour design by studying model of Mumbai.
 - Learnt long term changes in river platform, bed level, flood discharge analysis of river Ganga
- **Mukesh Group of Companies** (Work visit under Prof. Tarun Kant, IIT Bombay) (Oct 2010)
 - Studied construction of beams and columns and explored Pre-stressed Concrete Method.
- **Marketing Management Project** (July-Nov 2010)
 - Described the McDonald's current segmentation and target market.
 - Presented the McDonald's current marketing mix (Product, Price, Promotion & Place).
- **Wireless Remote Controlled F1 Car** (Aug 2009)
 - Made the Car on the principle of a basic RF circuit.
 - The car was able to overcome obstacles and could go over inclined planes and water.
- **Mini UID project** (Guide: Prof D.B. Phatak) (Aug-Nov 2009)
 - The project was a mock version of the National Unique Identity (UID) Project.
- **Study of Market Structure** (Guide: Ms Haripriya Gundimeda) (July- Nov 2009)
 - Analysed the soft drink market in India.

RELEVANT COURSES

- **DEPARTMENT COURSES** - Design of Structures, Structural Mechanics, Soil Mechanics, Solid Mechanics, Engineering Mechanics and Fluid Mechanics.
- **TECHNICAL LABS** - Design and Software Lab, Design of Structures, Soil Mechanics, Experimentation and Measurements Lab, Solid Mechanics Lab, Geodesy Lab, Hydraulic Design Lab, Fluid Mechanics Lab, Mechanical Workshop and Engineering Drawing,
- **MATHS** - Calculus, Linear Algebra, Differential Equations (Ordinary and partial), Data analysis and Interpretation.
- **OTHERS** - Computer Programming and Utilization, Electrical and Electronic Circuits, Electricity and Magnetism, Chemistry and Economics.

ADDITIONAL COURSES

- **Minor - Management**
 - **Finance and Accounting:** Understanding the basic principles of managerial accounting and analysed company's financial statement.
 - **Operations Management:** Learned overseeing, designing, and redesigning business operations in the production of goods and services.
 - **Marketing Management:** Broad spectrum analysis of consumption services and goods. To understand profit or nonprofit motive for customer's needs and wants in a better way and satisfy them through profitably.

SOFTWARE SKILLS

- **Core Softwares** - AutoCAD, Staad Pro and Etabs.
- **Languages** - HTML.
- **Others** - Adobe Photoshop, MS-office, Flash and Dreamweaver.

POSITIONS OF RESPONSIBILITY

- **National Civil Engineering Student's Symposium (NCESS) Manager** (2011-2012)
 - Initiated the Poster Presentation event as part of the Symposium.
 - 150% increase in the participation for the symposium by means of widespread publicity.
- **3rd year Class Representative , Batch of 2009** (2011-2012)
 - Maintained excellent rapport between the faculty and students
 - Facilitated smooth communication between batch-mates and department related activities both academic and non-academic.
- **Coordinator in Mood Indigo 2010** (2010-2011)
 - Worked as a part of Informals and Pronites department.

EXTRA CURRICULAR ACTIVITIES

- **Sports**
 - Part of Swimathon held at IIT Bombay completing 7.5kms in 6 hours.
 - Member of National Sports Organization (NSO) Swimming Team of IIT Bombay.
 - Member of Inter Hostel Squash Team.
- **Fine Arts**
 - Numerous sketches and portraits were displayed in Kaladarshan (Annual Arts exhibition of IIT Bombay)
 - Photoshop enthusiast – Editing images and photographs.
 - Part of music video making competition in the Institute.
- **Dance**
 - Member of Gyration – Inter hostel Dance competition.
 - Member of the winning dance team at Freshizza '09, the cultural festival for Freshmen Undergraduates in IIT Bombay.
- **Logical Reasoning Interests**
 - Can solve Rubik's Cube in less than 5 minutes
 - Avid interests in solving puzzles, crosswords and Sudoku.