



Subhash Prajapt
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: Civil

100040033
UG Second Year
Male
DOB: 23/01/1993

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.38
Intermediate/+2	Central Board of Secondary Education	DAV PUBLIC SCHOOL	2010	88.80
Matriculation	Board of Secondary Education, Rajasthan	RAJ SECONDARY SCHOOL	2008	90.00

ACADEMIC EXCELLENCE AND SCHOLARSHIPS

- Selected among **top 0.9%** of around 0.47 million candidates who appeared in **IIT-JEE 2010**
- Selected among **top 0.9%** of around 1.1 million candidates who appeared in **AIEEE 2010**
- Recipient of **Merit Scholarship** awarded by IIT BOMBAY on the basis of performance in IIT JEE 2010
- Scored a **SPI 9.78/10** in current semester (3rd sem), ranking among **top 5** in a class of strength 116
- Awarded **Best Student** of my class in Standard 10 and awarded a **PC** for securing 90% marks

COURSE PROJECTS

- Traffic Simulation and Analysis
Under the guidance of Prof. S.L. Dhingra, Institute Chair Professor, Department of Civil Engineering, IIT Bombay.
 - Designed a two-level roundabout interchange using **traffic simulation software Vissim** and compared it with a signalized simple junction in light of congestion, delay time, average speed, fuel consumption and emission under different traffic volumes.
 - Hence suggested upgrading the congested simple junction to roundabout interchange in view of its various advantages over simple junction.
- Computer Programming and Utilization
Course project under the guidance of Prof. Deepak Phatak, Department of Computer Science and Engineering, IIT Bombay.
 - Worked with a team of 12 students and made a C++ program to deal with money transactions in banks which involved working with databases and arrays

COMPUTER SKILLS AND SOFTWARES

- Programming languages known: C/C++
- Web designing: HTML, CSS, PHP, MySQL
- Application Software: Ms. Office, Photoshop
- Operating System: Windows, Linux (Ubuntu)

TECHNICAL SKILLS AND ACHIEVEMENTS

- F-1 Race
 - Designed a remote controlled F-1 car and selected among **top 10** participants among more than 400 students who participated in the same

- Line Follower
 - Constructed a line following bot which follows a white line on a black background
 - Designed circuit using infrared LEDs for ambient light detection
- Robotics
 - Designed a remote controlled Robotic Arm which picks a block and put it on a platform at some given height
 - Attended a workshop on ROBOTICS organized by Technic Club, IIT BOMBAY

POSITION OF RESPONSIBILITY

- Coordinator
 - Working as a **Coordinator** of web and designing dept. of **Entrepreneurship Cell**, IIT BOMBAY
 - Worked as a **Coordinator** of Publicity dept. in Techfest(Asia's Largest College Technical Festival)
- Organizer
 - Actively worked as an **Event Organizer** of Techfest (Asia's Largest College Technical Festival)

KEY COURSES UNDERTAKEN

<u>Departmental Courses :</u> <ul style="list-style-type: none"> ○ Structural Engineering ○ Solid Mechanics (AA) ○ Hydraulic Engineering ○ Fluid Mechanics (AA) ○ Engineering Mechanics (AB) ○ Geodesy, theory and lab <u>Mathematics:</u> <ul style="list-style-type: none"> ○ Calculus ○ Linear Algebra ○ Ordinary and Partial Differential Eqnss 	<u>Others:</u> <ul style="list-style-type: none"> ○ Marketing Management ○ Data Analysis and Interpretation ○ Experimental and measurement laboratory ○ Basics of Micro and Macro Economics (AB) ○ Computer Programming And Utilization (C++) ○ Basics of Visual Communication ○ Electrical and Electronic Circuits (AA) ○ Electricity and Magnetism
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EXTRA CURRICULAR ACTIVITIES

- SPORTS:
 - Was the member of the football team which **won** Hostel Football League(H3PL)
 - Won intra hostel volley tournament
 - Was a member of NSO Yoga
 - **Runner-ups** in Intra Department Cricket Tournament
 - Participated in Hostel 3 Cricket League
 - Was named **Best Player** of intra school cricket tournament in standard 10
- CULTURAL ACTIVITIES:
 - Won **1st position** in group dance in Freshizza freshmen event
 - Performed in group dance in **Performing Arts Festival**, IIT BOMBAY