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## Industry Experience and Internship

### Unity Infrastructures Pvt Ltd, Mumbai

[May-June, 2012]

- Gained an onsite exposure with several construction activity departments such as **Planing, Execution, Quality Management and Safety**
- Studied various engineering drawing used on site such as Site plan, Floor plan, Structural engineering drawing and **RCC drawing**
- Conducted various test in the onsite lab such as Slump test, **Concrete cube test, Steel testing** and quality assessment of fine aggregates and bricks
- Studied about various construction technology such as **Waterproofing, piling**
- Assisted the Chief Engineer in supervising, monitoring and inspecting the construction activities of a complete floor of a 10+2 storey residential building also interacted with Consultancy Department

### The Address, Larsen and Turbo, Mumbai (Guide : Prof. Kamal Bajoria.)

[Oct 2011]

- Visited the construction site of a 5 billion residential complex project under L&T
- Gained exposure to various on site construction activities such as scaffolding, **Concrete pumping, Shuttering, Blocking, Reinforcement bar arrangement and curing.**

## Key Academic Projects

### Pervious Concrete : (Guide - by Prof Vishwanadham)

[July, 2012-till date]

- Prepared the **mix design for pervious concrete** and implemented that design for making the concrete cubes in lab
- Collected the data on basis of various experiments executed on cubes like **compressive strength test, porosity test** and improved the mix design to increase the compressive strength

### Coding telephone book : (Guide - Prof D.B Phatak)

[OCT 2010]

- The program allows user to add, delete and edit contact (name, telephone number, city) and facilitate user to search by using name or contact number

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## Survey on the production of two company - Coke and Pepsico

[Sept 2010]

- Made report comparing the total output, number of factories, total budget and **market strategy**

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## Designed an online billing form

[June 2011]

- The program allows to enter name of various product, their price, quantity and gives discount according to total value of sale and consumer type (domestic or commercial or special guests)

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## Computer Skills

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|---|--|
| • Languages : <b>C, C++, JAVA, HTML, JAVA SCRIPT</b>                            | • OS : Windows and Ubuntu                                |
| • Department Software : <b>AUTOCAD</b> , MATLAB (elementary), <b>MS. OFFICE</b> | • Video Editing : <b>Sony Vegas</b> , Window Movie maker |

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## Key Courses Undertaken

- |                        |                                |
|------------------------|--------------------------------|
| • Structural Mechanics | • Fluid Mechanics              |
| • Design of Structures | • Hydraulic Engineering        |
| • Soil Mechanics       | • Differential Equation I & II |
| • Geodesy (Surveying)  | • Engineering Drawing          |

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## Technical activities and achievement

- Participated in **F-1 Race** for freshmen in IIT Bombay and was ranked in top 10 among more than 400 students who participated in the year.
- Participated in **Line Follower** competition and build working circuit.

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## Positions of Responsibility

- **Hostel Sports secretary**
  - (i) Organised various intra hostel event and practice session for inter-hostel competitions and **Won the Overall Sports General Championship**
  - (ii) Played an active role in bringing **new volleyball and basketball court** in the hostel
- Coordinator in **Mood indigo** 2011 in marketing department and organiser in **Techfest** 2011, **Nexus** 2010
- **House captain** among four houses at school level

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## Extra-Curricular Activities

- Worked in Performing Art Festival(PAF), **winning all 9 genres** for the first time in the history of IITB
- Successfully completed **YES, YES+ ART OF LIVING COURSE** aimed at enhancing self-development, leadership skills, memory and concentration, improving productivity
- Participated in **Trackmenia** : made a car operated by wired remote control, leading a team of four members
- Volunteered for **Eye Donation Camp** at Suratgarh, Rajasthan, Created awareness among people by visiting them at home and through posters and media (local channel and paper)
- Attended a two day workshop on "**7 Habits of highly effective people**" organized by STUDe Club.
- Stood third in **Waste material** products competition at school level
- Secured 1<sup>st</sup> position in Inter-hostel freshmen cricket and 3<sup>rd</sup> in Basketball, also play volleyball, TT and **Guitar**