



Niket H. Vora
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: Structural Engineering

09D04005
UG Third Year(Dual Degree)
Male
DOB: 17/02/1990

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.59
Intermediate/+2	Maharashtra State Board	S.S & L.S. Patkar college of science	2008	78.67
Matriculation	Maharashtra State Board	J.B.Khot high school	2006	90.40

Scholastic Achievements

- Ranked amongst the top **0.4%** of the students (out of the **4,00,000 appeared**) in the Joint Entrance Examination (**IIT-JEE**) [2009]
- Amongst the top **0.5%** of the students (out of **10,00,000 appeared**) in the All India Engineering Entrance Exam (**AIEEE**) [2009]
- Recipient of the **Balajyoti Scholarship** by **NIIT** for outstanding performance in the aptitude and intellectual test [2003]

Internships & Key Projects undertaken

Gammon India Ltd. (Mumbai)

[May-Jul'11]

Construction of Residential Complex with RNA Corp. worth INR 115 crore

- **Trained** within various departments of construction, namely, Safety, Quality, Planning, Project execution, Billing and Stores & Administration
- **Reviewed** safety measures, **examined** the quality of mix designs, studied various **quality tests** of concrete & steel pertaining to IS codes
- Identified activity, their duration, networking processes and **assisted in planning** supervision
- **Estimated** resources, costs, revenues and **quantified** amount of permissible **waste**
- Monitored & **improved productivity** analytically, certified bills and surveyed change orders
- In addition to the expected goals, **rectified the BBS** (Bar Bending Schedule) at two places, thus saving manpower and resources

Mini Unique Identification Project

[Aug-Oct'09]

Guide: Prof. Deepak B. Phatak

- **Designed** a miniature project on the lines of the **Unique Identification Authority of India (UIDAI)**
- **Simulated** the project using **biometric data** of the first year students, assigning them unique identifiers
- Successfully demonstrated the potential use of the **application** in various field

Economics Project

[Aug-Oct'09]

Guide: Prof. Haripriya Gundimeda

- **Analysed** the market structure of the **Laptop manufacturing companies** in India
- Prepared a detailed report about the monopolistic and oligopolistic nature of the Laptop Market
- **Researched** various marketing policy, theories of demand and supply, role of the state in economic policy and reforms, market trends and various trade-offs in the market structures

Remote controlled Car

[Aug'09]

- Devised a remote controlled car using a **frequency transmitter circuit**
- **Conceptualized** and built an on-board power supply and **manoeuvred** it over all kinds of terrain
- **Completed** the designed track with the best possible time and stood **10th** among 100 other competitors

Technical Labs

- **Design of Structures:** Location, **design and detailing of structural members**, load calculation & analysis of buildings

- **Software analysis & Design:** Design of various elements using **AutoCAD**
- **Soil Mechanics:** Identification of soils, its physical properties, compaction characteristics, permeability consistency limits and free swell tests
- **Geodesy:** Surveyed and Computed angular & distance measurements using **GPS** and **Theodolites**
- **Hydraulics:** Computed **dam seepage** and analysed electric analogy for pipe solution networks
- **Solid mechanics, Fluid mechanics, Experimentation and Measurements lab**

Courses Undertaken

- | | |
|--|---|
| • Numerical methods in civil engineering | • Geodesy & Hydraulic engineering |
| • Design of structures | • Computer programming |
| • Structural mechanics I & II | • Economics-Micro and Macroeconomics |
| • Solid, Fluid and Soil mechanics | • Calculus, Linear algebra & differential equations |

Skills

- **Programming Languages:** C and C++
- **Software tools:** AutoCAD, MS office, Scilab and Matlab
- **Communication:** fluent in English, Hindi, Marathi, Gujarati and **Japanese (Basic and Advanced)**

Positions of Responsibility

Marketing Manager, Aakaar

[May'11-till date]

Annual technical festival of Civil engineering department

- Member responsible for **outsourcing** and **managing** budget of **INR 3 lakhs**, collecting and analysing data on success including customer satisfaction
- Involved in **planning** and **establishing** events

Maintenance secretary, Hostel 8

[Aug '10-May'11]

- Member of the Hostel Council managing over a budget of **INR 50,000/-** for maintenance activities
- **Supervised** public workers & addressed grievances of 300 students regularly for smooth functioning
- **Conceptualised** the proper disposal of the waste by wall-mounting dustbins for the first time in the hostel

Co-ordinator, Mood Indigo

[May-Dec'10]

Asia's largest college cultural festival

- **Planned** and **established** a **Limca Book of Records** for maximum number of people blowing bubbles together
- **Persuaded** an **Israeli artist** and a percussion band to **perform for free**, structured their schedule and **executed** their events in Mood Indigo '10 - Asia's largest college cultural festival
- Achieved a **unique feat** of showcasing the **premier show** of the play Red Sparrow for the first time

Extra Curricula

Adventure Sports

- **Headed** a team of **trekking camp** at Manali & successfully completed the Chanderkhani challenge with a height of over **3700 metres** [2010]
- **Successfully trekked** a height of **13,800 ft** at the sarpass camp in Himalayas [2011]

Sports

- **Bronze** medal in athletics at **district level** [2003]
- Member **Silver** medal winning team in **Institute Football League (IFL)** [2010]

Cultural

- Stood **3rd** in both, a **business quiz competition** (Bizzybeez) and in a **general quiz competition** (Brainiac) among **60 other participants** at O2 - cultural festival of Bhavan's college, Mumbai [2007]