



PARESH VISHNOI

Master of Technology

Structural Engineering – IIT Bombay

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EDUCATION

Indian Institute of Technology, IIT Bombay	<i>Master of Technology in Structural Engineering, First Semester</i>	9.11 / 10 CGPA	August 2010 till present
National Institute of Technology, VNIT Nagpur	<i>Bachelor of Technology in Civil Engineering</i>	7.01 / 10 CGPA	Spring 2010
Central Board of Secondary Education, India	<i>Class XII, HSC</i>	77.40 %	Spring 2010

SCHOLASTIC ACHIEVEMENTS

- Ranked **All India 26th** in IIT GATE 2010 Entrance Exam

KEY PROJECT WORK /INTERNSHIP

- Project on “*Seismic analysis and design of buildings*” at VNIT Nagpur. [Spring 2009]
 - Analysed a four storey Building using Equivalent Static Analysis and Response Spectrum Analysis (Dynamic Analysis) as per Indian Standard 1893:2002 and then designed for critical forces.
- Project on “*Handbook of typified designs for structures with steel roof trusses as per Limit state method*” at VNIT Nagpur.[Autumn 2008]
 - Reviewed the Design Tables of Indian Standard SP 38 from Working Stress Method to Limit State Method.
- Internship at “*Six lane Cable Stayed Bridge at Nagpur*” under Afcons Infrastructures [Autumn 2007]
 - Understood the Design and Construction details of a Cable Stayed Bridge.
- Internship at “*Mihan Flyover cum Interchange at Nagpur*” under Afcons Infrastructures [Spring 2008]

COURSES IN STRUCTURAL ENGINEERING

Autumn Semester 2010 (Completed)	Spring Semester 2011 (Ongoing)
<ul style="list-style-type: none"> Advanced Structural Mechanics Advanced Solid Mechanics Numerical Methods Structural Dynamics Plastic Analysis Structural Design 	<ul style="list-style-type: none"> Finite Element Methods Introduction to Structural Engineering Reliability based Civil Engineering Design Marine Structures Prestressed Concrete Design Engineering Law Introduction to Geospatial Technologies Communication and Presentation Skills

KEY EXTRA-CURRICULARS AND ACHIEVEMENTS

- Finalist of **National Geographic Channel-** “Shaping the Future”, a competition for best **Innovative Ideas** around India.
- Ranked **1st** in **Robotics** Competition at IIT Guwahati, VNIT Nagpur, NIT Warangal
 - Understood the concept of **Mechanisms** better through Robotics and consequently the innovative mechanisms of my robots made them win.
- Ranked **2nd** in Robotics Competition at IIT Kanpur
- Participated in **Bridge Design** Competition at IIT Kanpur and NIT Warangal
- Presented Paper at NIT Warangal, VNIT Nagpur

COMPUTER PROFICIENCY

- Structural Engineering Software: SAP, Staad Pro, ETabs
- Programming Language: C++, Visual Basic