

# CURRICULUM VITAE

**Vivek Garg**

3<sup>rd</sup> year undergraduate student  
Department of Civil Engineering  
IIT Guwahati, India

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Room No. 174  
Kapili Hostel  
IIT Guwahati

## OBJECTIVE

To secure a mentally challenging and highly stimulating **Summer Internship**, which provides me with:

- An opportunity for analytical thinking and learning while facing diverse problems.
- An exposure to enhance my analytical and technical skills in Civil Engineering through practical problem solving experiences.

## PERSONAL DETAILS

<b>Name</b>	Vivek Garg	<b>Permanent Address</b>	S/o Mr. Omprakash Garg 2, Jawahar Ganj, Sendhwa- 451666 Dist. - Barwani, M.P. India
<b>Date of Birth</b>	12th Dec.1991		
<b>Nationality</b>	Indian		
<b>Sex</b>	Male	<b>Mailing Address</b>	Room No. 174 Kapili Hostel, IIT Guwahati Guwahati – 781039, Assam, India
<b>Email</b>	<a href="mailto:g.vivek@iitg.ernet.in">g.vivek@iitg.ernet.in</a> <a href="mailto:gargvivek12@gmail.com">gargvivek12@gmail.com</a>		

## EDUCATION

<b>Bachelor of Technology</b> (To be completed by April 2013)	<b>Institution</b> <b>Major</b> <b>CPI (V SEM)</b>	Indian Institute of Technology, Guwahati Civil Engineering <b>6.93/10.0</b>
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## SOFTWARE SKILLS

<b>Operating Systems</b>	Windows 98/2000/XP/Vista/7, Linux
<b>Software Packages</b>	MS OFFICE, AUTOCAD, SAP 2000, MATLAB, STAAD-PRO, ANSYS
<b>Programming Skills</b>	C, C++, Object Oriented Programming

## AREA OF INTEREST

- Prestressed Concrete;
- Green Concrete Materials and Design;
- Green Construction Technologies.

## RELEVANT COURSES

(To be completed by April-2012)

- Environmental Engineering I, Geotechnical Engineering, Engineering Geology, Surveying;
- Fluid Mechanics, Hydraulics and Hydraulic Structures;
- Transportation Engineering, Design of Structures, Civil Engineering Materials;
- Structural Analysis, Solid Mechanics, Engineering Mechanics, Engineering Drawing;
- Mathematics: Real and complex analysis, Ordinary and Partial Differential Equations;
- Humanities: Introduction to Economics, Economic Development: Problem and Policies, Consumer Behaviour.

## TERM PROJECTS

- Review Study of Warm Mix Asphalt  
Synopsis-  
  - Studied different WMA technologies and Additives;
  - Compared the Mixing and Compaction Temperatures of HMA and WMA and;
  - Compared the Environmental Impacts; Energy consumption and Cost Efficiency of HMA and WMA.
- Presented Seminars on Warm Mix Asphalt: Mixing and Compaction Temperatures; Engineering Seismology: An Overview and; Decision Making Process of a consumer: Case study.

(September-November 2011)

## INDUSTRIAL EXPERIENCE

- **Internship at Adani 2x660 Mw Thermal Power Plant Kawai, Rajasthan-**  
Job Synopsis-  
  - Studied the complexities of Supercritical Technology used to produce electricity.
  - Studied the Design of Plant Layout to understand the use of geological and topographical characteristics of site in design of levels of different structures to increase the efficiency of plant output.
  - Studied the execution methods and problems of construction management as an Assistant to Field Engineer(s) at chimney, boiler, turbine hall, generator, transformer yard, cooling tower, cooling water channel, raw water reservoir, ash dyke and coal handling.

(May-July 2011)

## POSITIONS OF RESPONSIBILITY

- General Secretary, Association of Civil Engineers, IIT Guwahati for the term 2011-2012

## HONORS

- Ranked among the top 1% students in INDIAN INSTITUTE OF TECHNOLOGY-JOINT ENTRANCE EXAM 2009.
- Ranked among top 0.5% of the students in ALL INDIA ENGINEERING ENTRANCE EXAM 2009.