



**HIMANSHU PAL**  
**Civil Engineering**  
**Indian Institute of Technology, Bombay**

**09004004**  
**UG Third Year (B.Tech.)**  
**Male**  
**DOB: 05/08/1990**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.01
Intermediate/+2	M.P. Board	Universal Academy , Indore	2008	85.30
Matriculation	ICSE	Christukula Mission School,Satna	2006	91.10

## INTERNSHIP

**Spectrum Techno Consultants Pvt. Ltd. Vashi ,Navi Mumbai.**

**MAY – JUNE 2011**

- Analysis of Structures using **SAP 2000** and **STAAD Pro** on the basis of Axial force ,Shear force and Bending Moment diagrams
  - Analyzed the structure of **Natural Draft Cooling Tower** at Jabalpur Dist. Of Madhya Pradesh using above software.
- Design of Structures using **Working Stress Method** .
- **Proposed Lane Requirements** on Vivekananda Road in Kolkata District of West Bengal by analyzing the Traffic data collected at three survey stations. Analysis included calculation of **Average Annual Daily Traffic, Hourly Variation, Peak Hour Factor, Composition of Traffic , Origin-Destination Survey and Proposed Lane requirements.**

## ACADEMIC PROJECTS

- **Accident Analysis on Palm Beach Road** **JAN – FEB 2011**  
**Guide: - Prof. P. Vedagiri**
  - **Proposed reformations in the existing designs of road, intersections and T-Junctions** in Palm Beach road to minimize accident risks by analyzing the accident data provided by Traffic Police department ,Navi Mumbai .
- **Application of MX – ROADS Software in Highway Designing** **ONGOING**  
**Guide: - Prof. P. Vedagiri**
- **Fingerprint Recognition Project in C++** **OCT – NOV 2009**  
**Guide: - Prof. D.B. Phatak**
  - Lead a team of five members.
  - Analyzed the various application areas of Finger Print Recognition Project and prepared a code in C++ for its use and application.

## COMPUTER SKILLS

- *Operating Systems :-* Windows , Linux
- *Programming Languages :-* C++ , Java
- *Structural Analysis Software :-* SAP2000 , STAAD PRO.
- *Software Tools:-* Matlab , MS OFFICE

## POSITION OF RESPONSIBILITY

- **Transport Coordinator in MOOD INDIGO 2010**
  - **Managed Transport Requirements** of World class artistes and Top Bollywood Celebrities in Asia's Biggest Cultural Festival.
  - Efficiently handled the transport budget of **Rs. 2 Lakhs**.
- **Mess Secretary of Hostel 9**
  - Handled Mess related issues of around 350 hostel inmates.
  - Introduced many new food items in the daily menu and organized various types of mess events for the first time in the hostel mess.
  - Was awarded **Hostel Organizational Color** for outstanding performance as a council member.
- Worked as an **Organizer in MOODI 09 and Techfest 2010**.

## SCHOLASTIC ACHIEVEMENTS

- Was among **top 50 toppers of class 10<sup>th</sup>** from all over Madhya Pradesh and Chhattisgarh who were invited to attend **Science Fest conducted by IISER Bhopal**.
- Secured **100% marks in Mathematics** in class 10<sup>th</sup> ICSE Board Examination.
- Secured **4075 All India Rank** in IIT-JEE 2009 out of 4,00,000 students approximately

## KEY COURSES UNDERTAKEN

<b>CORE COURSES:-</b>	Solid Mechanics Hydraulic Engg. Design of Structures	Engineering Mechanics Structural Mechanics-I,II Soil Mechanics	Fluid Mechanics Geodesy(Surveying)
<b>HONOURS COURSES:-</b>	Numerical methods In Civil Engg.	Water Resource Engg.	
<b>NON CORE COURSES :-</b>	Probability and Statistics Calculus	Linear Algebra Engineering drawing	Differential Equations

## EXTRA CURRICULAR ACTIVITIES

- Represented my hostel in FRESHIZZA 09 BAND Competition as a Lead Vocalist.
- Have won many prizes in Literary and Music Competitions at School level.