Naveen Jangir
Civil Engineering
Indian Institute of Technology, Bombay
Specialization: Structural Engineering

09D04008
UG Third Year (Dual Degree)
Male
DOB: 15/06/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.41
Intermediate/+2	Rajasthan Board	Yadav Bharti School	2008	78.77
Matriculation	Rajasthan Board	Rashtra Sahayak Vidhyalaya	2006	90.17

AWARDS AND SCHOLASTIC ACCOMPLISHMENTS

- Got 34th rank in **merit in 10th board** examination. (2006)
- Ranked among top 5 in a talent hunt organized by Rajasthan Patrika and CLC. (2008)

INTERNSHIPS

- **Pipedream design labs pvt. ltd.** (December, 2010)

  -Wrote event sequence of stories, including dialogues of self responding books, contributed innovative and creative ideas for developing visuals and interactivity on each page for same
  - Completed three such books in the duration of one month.

KEY PROJECTS AND TECHNICAL ACCOMPLISHMENTSS

- **The international student competition "The Tower of Babylon" organized by "Global Alliance of Technological Universities"** (May-June, 2011)

  - Won the competition by designing and constructing a giant cattle as sustainable and iconic structure by only using local & waste materials
  - Prepared all the deliverables to be sent to ETH Zurich. Introduced low cost sustainability, as a team, by completing project in about one-third amount of the given budget

- **Traffic flow analysis and simulation** Guide: Prof. P. Vedagiri (2012)

  - Understanding past data and concluding traffic trends
  - Making computer models and analysizing it using SUMO
  - Working on intergating traffic flow with pedestrian flow thereby modifying IS code.

- **Computer Aided Design and Drafting** (June, 2010)
  - Learnt anatomy of commands, customizing AutoCAD's preferences, generating and managing reusable content, all available coordinate systems and available tools
  - Designed various house plans (2D) as a part of training and got grade A in the same

- **Finger Print Basis Identification** Guide: Prof. D.B. Phatak (2009)
  - This application, built in C++, registers students along with their fingerprints, further can identify a student on the basis of fingerprint matching
  - Various practical applications like attendance, registration in various courses etc.

- **On Site Training at a multi story building construction site** (Oct, 2010)
  - Learnt about column preparation and its position in multi story buildings.
  - Basics of roof preparation and use of fulcrum.

- **Work Visit at CWPRS (Water and Power Research) in Pune** (April, 2011)
  - Learnt Optimisation of port and harbour design by studying model of Mumbai
  - Learnt long term changes in river platform, bed level, flood discharge analysis of river Ganga

POSITION OF RESPONSIBILITY

• **General Secretary, Civil Engineering Association- IIT Bombay**   (April 2011- present)

- Currently leading a six member council to conceptualize and execute various department activities & events with budget over INR 1.5 lakhs
- Organizing trek, picnic, traditional day, etc. for the better interaction among department
- Organizing various useful sessions, work visits and software workshops
- Had worked as CEA Secretary for academic year 2010-2011

• **AAKAAR 2012, Hospitality Manager**

- Core Group Member of AAKAAR - the Annual Technical Festival of the Civil Department, IIT Bombay and will managed a budget of over INR 1 Lakh of the Hospitality Department.
- Planning the lodging facility for the participants of events, workshops, Symposium and various competitions (with more than 200 outstation students seeking accommodation).

COMPUTER PROFICIENCY

•**Operating System:** Windows, Linux, Mac OS
•**Software:** AutoCAD, SAP, ETABS, MATLAB, Scilab, Adobe Photoshop & MS Office
•**Language:** Elementary C++ , Phython, xml & HTML

KEY-EXTRA CURRICULAR ACTIVITIES

•Awarded "**Hostel Cultural Color**" for taking hostel cultural level to an excellence
• Scripted drama "**Nimansa**" for Hostel 9 in Drama General Championship and **stood 1st** in the competition
•Ranked **2nd** in **3-D Modeling GC 2010** & **4th** in **2011**
•Ranked **1st** in **on the spot creative writing** competition held for freshmen.
•Nominated as **Script In charge** of our hostel for PAF 2011 & PAF 2012
•Conceptualized advertisement for hostel 9 in Advertisement Making General Championship
•Represented Hostel-9 in Hindi Debate and Hindi Creative Writing General Championship
•Member of **National Sports Organization (NSO) yoga** for two semesters in the year 2009-10

TECHNICAL LABS & COURSES

Mechanical workshop	Engineering drawing
Solid mechanics	Structural mechanics
Design of RCC Structures	Design of Steel Structures
Design analysis lab	Probabilistic and Statistical Methods in CE
Soil Mechanics	Foundation Engineering
Transportation Engg. & Traffic analysis	Geodesy
Fluid Mechanics	Multi variable Calculus
Linear Algebra	Ordinary and Partial Differential Equations