



Sankalp Damani
Civil Engineering
Indian Institute of Technology, Bombay

09D11009
UG Third Year (B.Tech.)
Male
DOB: 01/12/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	8.18
Intermediate/+2	CBSE	R N Podar School	2009	91.80
Matriculation	ICSE	Gokuldham High School and Jr. College	2007	91.00

ACADEMIC HONOURS & ACHIEVEMENTS

- Secured an All India Rank **2133** (top 0.5%) in **IIT-JEE 2009** among over 400,000 candidates (2009)
- Secured All India Rank **3105** (top 0.3%) in **AIEEE 2009** among over 1,000,000 candidates (2009)
- Secured a branch change from the Department of Metallurgical Engineering and Materials Sciences to the Department of Civil Engineering on account of good academic performance in the first year (2010)
- School Topper In the National Science Olympiad and was awarded a **Gold** medal for the same (2004)
- Awarded School **Whizkid** and a **Gold** medal in National Cyber Olympiad by the Science Olympiad Foundation for excellence in Science and IT (2004)

LEADERSHIP AND ORGANISATIONAL EXPERIENCE

INTERNSHIP COORDINATOR, NON-CORE REPRESENTATIVE, PRACTICAL TRAINING CELL (April '11 – till date)

- Part of the **25 member core team** involved in providing internships to students of IIT Bombay
- Non-Core Representative:** In charge of bringing in non-technical companies to provide internships to interested students across all departments
- Responsible for structuring and execution of the internship process, getting more than 400 internships for the students in various Finance, FMCG and Consultancy fields
- Involves building and sustaining companies, universities and social organizations who wish to recruit students from IIT Bombay for internships and research opportunities

COORDINATOR, MARKETING, TECHFEST 2011 (March '10 – Feb '11)

- Handled Pre-events Dealing, Branding and Campus Promotion for various Sponsors
- Led a team of 15 organizers for smooth functioning of events and catering to the requirements of the corporates and sponsors during the festival

PRACTICAL TRAINING

INTERNSHIP AT LARSEN & TOUBRO (May '11 – Jun '11)

- Completed a Project Training Program for **8 weeks** duration (2nd May '11 – 27th June '11) at the **Mumbai International Airport Limited Project Site, Engineering Construction and Contracts (ECC) division**, Larsen & Toubro Ltd.
- The internship included a study of various aspects in a Construction Project like Project Control, Scheduling, Quality Factors, Safety Factors, Costing and Contracts and Site Execution
- The Training Program also included building of a hypothetical building model along with scheduling it and general site inspection

INTERNSHIP AT INDIAFEST, CHANNEL V, GOA (Jan '11 - Feb '11)

- Worked in a 60 member organizing team of **India Fest** held in Goa in Feb 2011 over a span of 3 days
- Conceptualized and executed various events and competitions catering to participants from 100 elite colleges of India

INTERNSHIP AT EKJAA FOUNDATION - NGO (Dec '11)

- Project was aimed at studying the various aspects of several NGOs working on **de-addiction**.
- Prepared an NGO model on de-addiction and gave various suggestions to other NGOs working on the same which were received with high acclamation and presented to the board of directors
- Evaluated projects by other teams and suggested various methods for project improvement

WORK VISIT AT CWPRS KHADAKWASLA

Guide: Prof. B.S Pani

(March '11)

- Visited the **Central Water and Power Research Station**, Khadakwasla, Pune which included a study of Mumbai's ports and water bodies on a model built at the site

PROJECTS

NEGATIVE POISSON RATIO MODEL

Guide: Prof. Ajay S Panwar

(Mar'10 –Apr '10)

- Prepared a model to study the bond structure of materials having a **Negative Poisson Ratio**
- Analysed the various structural changes which occur in such a material under uniaxial tensile loading

UNIQUE ID PROGRAM

Guide: Prof Deepak Phatak

(July'09 - Nov '09)

- Programmed the layout of the User Interface to be used to take input data of Personal Details, Fingerprints from the applicant and store them in the central database using C++.
- The same program is being used in the current biometric system of ID cards in IIT Bombay

SOFTWARE PROFICIENCY

- Operating System : Windows, Linux
- Software : Microsoft Office, Adobe Photoshop
- Programming Languages : C/C++

EXTRA CURRICULAR ACTIVITIES

SPORTS

SQUASH:

- Member of **Inter-IIT** Camp 2009
- Winner of the Squash **Freshers** Open in 2009
- Member of the **National Sports Organization** (NSO) for Squash in the first year 2009-2010

JUDO:

- Holder of a **brown** belt in Judo and won several medals in inter-school Judo Championships
- Won the Silver Medal at the **Maharashtra State Level** representing Mumbai

KHO KHO:

- Member of the IIT Bombay Kho Kho team
- Captain of the School Kho Kho team which won several medals at the inter-school level
- Represented the hostel Kho Kho team which finished 3rd in the Kho Kho GC

Performance Metric: Was awarded the **Hostel Sports Special Mention** for significant contribution in the Hostel Sports Activities.

CULTURAL

- **Elementary Diploma Grade 5** holder for the **keyboard** organ
- Performed in the winning **Performing Arts Festival 2011**, which is the largest Intra-Collegiate competition held by students of IIT Bombay
- Performed as a **vocalist** in a number of institute events including **Surbahar, Swarsandhya, Acoustic Dusk** etc.

COURSES UNDERTAKEN

Department Courses: Engineering Mechanics, Solid Mechanics Theory and Lab, Fluid Mechanics Theory and Lab, Geodesy Theory and Lab, Structural Mechanics I, Structural Mechanics II, Hydraulic Engineering Theory and Lab, Soil Mechanics Theory and Lab, Design Of Structures Theory and Lab, Design Of Steel Structures and Lab, Transport Engineering and Lab

Other Important Courses: Electricity and Magnetism, Introduction to Electronic Circuits, Computer Programming and Utilization, Data Analysis and Interpretation, Economics, Materials and Technology, Environmental Science, Psychology, Organizational Behaviour and Implications for Management, Basics of Visual Communications, Calculus, Linear Algebra, Differential Equations I and II, Psychology of Health