



Ashish Inani
Aerospace Engineering
IIT Bombay

09D01017
Dual Degree(B.Tech+M.Tech)
Male
DOB: 14/10/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.08
Intermediate	CBSE	Emmanuel Mission School	2009	87.8
Matriculation	CBSE	All Saints School	2007	86.4

ACADEMIC ACHIEVEMENTS

- Awarded the **KPMG Scholarship** (to 1% students per year) for Academic Performance
- Awarded A Grade by **DOEACC** society (Department of Information Technology, Ministry of Communication & Information Technology, *Government of India*.) for an exam conducted on computer concepts.
- Awarded **Manohar & Sunita Kamt Scholarship** for academic excellence during my first year in IIT Bombay
- Secured the **1756th** position in **IIT-JEE** 2009
- Secured the **873th** position in **AIEEE** 2009
- Secured **AIR 9th** in **NSO**(National Science olympiad) in 2009
- Secured **AIR 13th** in **IMO**(International Mathematics Olympiad) in 2009
- Cleared first round of **Kishore Vaigyanik Protsahan Yojna(KVPY)** scheme in 2008. This is to encourage talented students towards careers in the sciences
- Awarded **Credit** for excellence in Mathematical Skills by University of New South Wales in class 12

POSITIONS OF RESPONSIBILITY

- Manager, Institute Web and Coding Club** (2009-2010)
 - Increased** the membership of the club from 300 to 700 by organizing and publishing around 15 events
 - Initiated** summer projects involving 50 students and 8 successful projects that were appreciated by professors and also displayed in Technovation exhibition
 - Collaborated** with Aagomani (Elec dept festival) , **Techfest** and **FOSSEE** teams of researchers and professors in organizing workshops and competitions attended by over 200 students.\
 - Involved** the Club members as Domain Experts and Language Experts for the Spoken tutorial project by MHRD(Govt. of India)
- Organiser Indiafest, Channel V** (dec'10 – feb'11)
 - Led 20 volunteers to conceptualize and conduct various events like When Harry Met Sally, GenQ, Checkmate, Footloose, Treasure hunt which saw a combined participation of more than 2000
 - Responsible for the conduction of informal sports
 - Responsible for Indiawide online publicity of IndiaFest via Facebook , Twitter , mailers , videos
- Letsintern College Ambassador ,IIT Bombay** (2011-present)
 - Help students from my college to get the best possible internships available.
 - Negotiating offers with companies and planning the placement schedule
 - Revamped *letsintern.com* by first time introducing the **Company Logins** and **simplified Resume upload format**
- Co-ordinator, Mood Indigo IIT Bombay**
 - Helped in making the centralized registration system and different posters for the publicity campaign of the fest. Also made comic-strip and treasure hunt interfaces for conducting competitions

PROJECTS

- Unique Identity Detection by biometric finger recognition**
Guide : **Dr.D.B.Phatak** (Autumn 09)
 - The whole Project was unique identity detection inside the IIT-B campus by using finger print recognition.
 - I was a part of 20 member team which was assigned the task of *consolidation* in which we have to detect the minutiae from fingerprint extraction .
- Interface to conduct coding competition**
(Guide : **Web and Coding Club IIT Bombay**) (June-July'10)
 - Designed the interface to conduct an online coding competition using HTML, CSS, javascript.
 - Provided back-hand (database management) using PHP-Mysql.

- **Design a System for tracking of Lost/Stolen Cell Phones**

Guide: Prof. K. Sudhakar, P. Mazumdar (Engineering Design Project)

(Autumn'10)

- Chose the need statement by analyzing the stakeholders (both active and passive) and also done extensive requirement capture for the same
- Generated concepts by doing Functional decomposition and also studied the system specifications to design a system as accurate as possible

- **Pysph (Framework for Smoothed Particle hydrodynamics in Python)**

Guide: Prof. Prabhu ramachandran

(May-August'11)

- Making a **buildbot** system to automate the compile/test cycle required by most software projects to validate code changes. A nightly build of PySPH with a pretty formatting of the errors that is, all the build errors/test failures in a HTML or XML format
- Writing Test-cases in Python to improve the test coverage of the framework and also its documentation.

- **Under Water Glider**

(Self Project) **Funded By: Science Club of IIT Bombay**

(Dec'10-ongoing)

- Member of the team which is looking in the Structure and mechanical part of the system.
- Did Literature surveys and conceptualized the mechanisms to be used in the glider and also drew engineering drawings of the various parts in the mechanisms and hull structure.
- Simulated the full structure using Solid Works and also the separate mechanisms.
- Currently looking for water proofing solutions and alternative material pipes that can be used in the structure.

TECHNICAL ACCOMPLISHMENTS

- Secured **2nd** Position in **Aero Race** out of several college teams from all over India, in a three round event checking basic knowledge of aerodynamics, controls etc. in **Zephyr, IIT Bombay** 2009.
- Winner of **Segreta 2010 (Techfest IIT Bombay crypt hunt)**, **Crypto 2011 (Antaragini, IIT Kanpur hackfest)**, **Clueless 2010 (IIM Indore crypt hunt)** winner in all the versions
- Successfully made and flew planes made from Balsa Wood and Styrofoam and also gave a presentation on “**How to make an RC-plane**” to the whole batch.

SOCIAL SERVICE

- **Udaan:** Visited 5 underprivileged schools around Mumbai, to teach students fundamentals in science through demonstrations and workshops on water rocketry, paper planes and balsa gliders

EXTRA CURRICULAR ACTIVITIES

- Took part in the Formula-One Racing Car Making Competition, by successfully making a remote controlled car, in my first year held by TechniCal Club of IIT Bombay.
- Won the trophy for *Literary Skills* at school level.
- B-Certificate Holder in **NCC (National Cadet Corps)** and also Attended 10 day rigorous training Camp by 2-Maharashtra Engineer Regiment in Nov-Dec, 2009.
- Member of the district cricket Under-19 team.
- Part of the **Gold** winning Hostel Cricket Team which represented hostel in Sports GC
- Secured **3rd** position in Freshmen Chess Championship during my first year in IIT Bombay
- Secured **3rd** position in fresher's dramatics competition.
- Secured **4th** position in Who's Materialistic of 'em all? – **The Materials Quiz**
- Designed and flew a aero-plane for **mach-infinity** competition, Zephyr IIT Bombay.
- Active participant in various *literary* competitions and have also won a few essay and quiz competitions representing my district and state.
- Other interest includes playing chess, squash and **video editing**.

TECHNICAL SKILLS

- Operating Systems - Windows and Ubuntu
- Languages - C++, JAVA, HTML, SQL, PHP, Python, Javascript
- Softwares - MS Office, Adobe Photoshop, Adobe After Effects, MATLAB, SolidWorks, Simulink and Sony Vegas

DECLARATION

I hereby declare that the information given above is true to the best of my knowledge, as of August 2011.

Ashish Inani