Ashish Inani   09D01017

Aerospace Engineering   UG Third Year(Dual Degree)

Indian Institute of Technology, Bombay   Male

DOB: 14/10/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	6.88
Intermediate/+2	CBSE	Emmanuel Mission School	2009	87.80
Matriculation	CBSE	All Saints School	2007	86.40

ACADEMIC ACHIEVEMENTS

- Awarded the prestigious **KPMG foundation Scholarship** for overall Performance in 2010 and 2011
- Awarded **Manohar & Sunita Kamt Scholarship** for academic excellence
- Secured **AIR 9th** in **NSO**(National Science olympiad) in 2009
- Secured **AIR 13th** in **IMO**(International Mathematics Olympiad) in 2009
- Awarded **A** Grade by **DOEACC** society(Ministry of Communication & Information Technology,Government of India) for an exam conducted on computer concepts.
- 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 2009

INTERNSHIP EXPERIENCE AND ACADEMIC PROJECTS

INDIAN INSTITUTE OF MANAGEMENT,AHMEDABAD
Dec '11

"Internship at Finance and Accounting Area under Prof. Vineet Virmani"

- Analyzed the time series of daily term structure estimated provided by National Stock Exchange(NSE),India with that from two competing alternatives.
- Used new models and presented differing conclusions from those reported by National Stock Exchange and Clearing Corporation of India
- Findings part of a **working paper** titled,'Is there 'a' term structure of interest rates for India?'

INDIAN INSTITUTE OF TECHNOLOGY, BOMBAY, INDIA
May - Jul '10

"PYSPH – Framework for Smoothed Particle Hydrodynamics in Python"

- Made an builbot system to automate the compile/test cycle required by PYSPH to validate code changes
- Developed a solver framework to add arbitrary collections of particles and define operations on them
- Two versions of PYSPH have been **released** till date **under BSD License**

Dec '10-Apr'11

UNDERWATER GLIDER,SCIENCE CLUB IIT BOMBAY

- **Selected** in the team responsible for Structures and Mechanical parts of the Project
- Did Literature survey and conceptualized the various mechanisms to be used in the glider(Piston Mechanism) and also hull strucuture
- Simulated the full structure using Solid Works and made E.D.s of all the structural parts

KEY COURSE PROJECTS & SEMINARS

- **Designed a system for tracking of lost/stolen Cell Phones –** Did extensive literature surveys,generated concepts by doing functional decomposition to get the most accurate solution
- **Seminar** on 'Allowable Strength curves in zero shear stress plane for laminates under bi-axial loading'
- **Seminar** on 'Safe Life,Fail Safe and Damage Tolerant design philosophies in Aircraft Structures'
- **Seminar** on 'Self Refutation in Indian Philosophy'

- **Unique Identity Detection by biometric finger recognition** For IIT Bombay Students using **C++**

POSITIONS OF RESPONSIBILITY

MANAGER,INSTITUTE WEB AND CODING CLUB
May '10-July'11

- **New Initatives:**Summer Projects(**50 students & 8 successful projects** that were exhibited at Technovation(Annual Technical Exhibition at IIT Bombay))
- Web-application development series,overnight Hacking contest(Yahoo Hack-U),talk by industry experts,events held in **Techfest 2011** and various department festivals & events in collaboration with the FOSSEE group of professors
- **Doubled club membership** to 700 by organizing **15 events** attended by **100 students**

EVENT MANAGER, INDIAFEST CHANNEL[V]
Dec '10-Feb'11

- Led a team of 15 organizers to **conceptualize 4 dynamic events** in lateral thinking and street genre
- Overcame the time constraints to conduct the events at a completely **unfamiliar venue** (Cavelossim Beach, Goa)
- Designed an alternate-reality event to **simultaneously** engage 600 participants within logistical constraints

KEY INITIATIVES

SPOKEN TUTORIALS,(SPONSORED BY HRD MINISTRY)
Sep '10-Mar'11

- Promoted spoken tutorials on Open Source Softwares aimed at raising levels of education in india
- **Consulted** by IITB Spoken tutorials team headed by Prof. Kannan Moudgalya to organize workshops & competitions(attended by 100-150 students)
- Received an **honorarium** from IIT Bombay for exemplary contribution

SOCIAL SERVICE, UDAAN
Aug '09-ongoing

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

CO-FOUNDER, MARCHAHEAD
Aug '10-ongoing

- Objective-To help expand the knowledge base and awareness of the internet user and to attract more people to the joys of quizzing, to help people think laterally through quizzing
- Till now 3 online treasure hunts(approx. 2500 participants) and 10 quizzes have been conducted through the length and breadth of the country

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

SPORTS

- Played for Rajasthan Under-15 Cricket team and attended a 2 month camp for U-19 team
- Represented hostel in **cross-country**; secured positions in **top 30** for two successive years
- Part of Winning team of Cricket GC

TECHNICAL

- **Won 2nd Place**(out of 50 teams from all over India) in Aero Race at **Zephyr(**biggest Aerospace festival in india)**,IIT Bombay**
- Won **3rd** and **2nd** Place at **Segreta**(Puzzle Championship),**Techfest IIT Bombay** respectively for two years. Also secured **3rd** Position at **Crypto,Antaragini,IIT Kanpur**

OTHER ACTIVITIES

- B-Certificate Holder in **National Cadet Corps**(NCC) and also attended a 10 day rigorous training camp by 2-Maharashtra Engineer Regiment
- Interests- Quizzing,Gaming,Sudoku,Chess