Chadha Sparsh Adhir   100010004

Aerospace Engineering   UG Second Year

Indian Institute of Technology, Bombay   Male

DOB: 06.10.1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	9.09
Intermediate/+2	HSC	K.J Somaiya College Junior of Science and Commerce	2010	90.00
Matriculation	SSC	St.Pius X High School	2008	88.76

SCHOLASTIC ACHIEVEMENTS

- **Department Rank 2** amongst a batch of 66 students in Aerospace Engineering Department.

  [*Present*]
- Secured an **All India Rank of 661** amongst 4.5 Lakh students all over India in **IIT-JEE**.
- Secured an **All India Rank of 64** in **ISAT**, the entrance test for IIST.

KEY TECHNICAL/ACADEMIC PROJECTS

- **Water Rocket**   [*January,2011*]

  Guide: Professor G.R. Shevare
    - Built a **Water Rocket** for **Zephyr, 2011**- The annual festival of Aerospace Department and as a part of the course **AE 152- Introduction to Flight**.
    - The Rocket flew **88.3 metres** and was placed **1st** in the competition.
- **Course Project: CS 101-Computer Programming**   [*March,2011-April,2011*]

  Guide: Professor R.K. Joshi
    - Deigned a **program** that could give **desired statistics** of selected cricketers in a **graphical format** using C++.
- **VTOL**   [*January,2011-March,2011*]
    - Part of the **VTOL** team that designed a **Quad rotor** as a part a **Technovation** - An event organized by the Technical body of IIT Bombay.
- **Image Mosaicing**   [*October,2011-Till Date*]

  Guide: Professor Hemendra Arya
    - Developing a **MATLAB code** for **mosaicing split images** to generate a single and large image.
    - Formulating a **methodology** to implement image **mosaicing** in a **video** without knowing the position and orientation of the camera.
- **Course Project: AE 207-Introduction to Engineering Design**[*July,2011-November,2011*]

  Guide: Professor Hemendra Arya, P.M. Mujumdar, K.Sudhakar
    - Part of the Team that **designed** a **dustbin** suitable for Public Places within the campus of IIT Bombay.
    - Used **Solid Works** to design the **prototype** for the same.
    - Designed and made the **circuit** of the **Light Sensor** used for making the Dustbin more **interesting**.

ELECTIVES TAKEN

- **EE 232- Analog Electronics**
- **EE 221- Digital Electronics**
- **AE 457- Space Flight Navigation and Guidance**

TECHNICAL SKILLS

- **Programming Languages**: C++, html.
- **Operating Systems**: Windows, Linux-Ubuntu.
- **Software Proficiency**: Microsoft Office, Adobe Photoshop CS 5, Solid works, LT Spice, MATLAB & Simulink.

POSITION OF RESPONSIBILITY

- **Co-ordinator of Aero modelling Club, IIT Bombay**   [*Present*]
  - **Organized** and **conducted** different **activities** for students at IIT Bombay related to **aero modelling.**
  - **Designed** and **built** a **R.C. Plane** used for **training** purposes of the Aeromodelling Club.

- **Coordinator for Mood Indigo, 2011**   [*Mood Indigo,2011*]
  - Member of the **organizing team** for **Night Arena, Art Arena, International Music Festival.**
  - **Finalized** the International Irish music band **Caladh Nua** which performed at **International Music Festival, Mood Indigo.**
  - **Finalized** the Metal Art Installation by **Artist Ilyas Ahmed** for Art Arena
  - **Managed** the **International Graffiti artists** from **Germany**, who painted the walls and also **managed** the **'DJ + Graffiti + B-Boying' event**, done by artists from Germany.
  - Was the **sole Co-ordinator** who **managed** the event **Night Arena** which had Food festival, Astrology Activities, some performances by Street Artists and Jamming.

EXTRA-CIRRICULAR ACTIVITIES

- **Udaan**   [*2010-Till Date*]
  - An **active member** of the group '**Udaan**' which is a Student Outreach Programme.
  - Conducted one session at **Vidyapeeth High School, Kolhapur** where gave a **lecture** on **Introduction to Flight** to students of Standard 9th and 10th.
  - Conducted a **session** on **Air Crash Investigation** at **Atmiya Vidya Mandir, Surat** for students of Standard 9th and 10th.

- **Basketball**   [*2010-2011*]
  - Completed successfully the **NSO course** for **Basketball** in first year.