Aditya Pankaj Desai   **09D10015**
Mechanical Engineering   **UG Third Year(Dual Degree)**
Indian Institute of Technology, Bombay **Male**
Specialization: Computer Integrated Manufacturing **DOB: 04.08.1991**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	9.03
Intermediate/+2	Central Board of Secondary Education	R. N. Podar School	2009	91.60
Matriculation	Central Board of Secondary Education	Rajhans Vidyalaya	2007	94.60

Scholastic Achievements

- Secured All-India Rank 680 in the IIT-Joint Entrance Examination, 2009
- Scored 100/100 marks in Sanskrit in the Secondary School Examination held by CBSE (2007).

Internships and Research Projects

- Mirakle Couriers Pvt. Ltd. [May 2011- Jun 2011]:
  (National Award winning courier service which employs low-income deaf adults)
  - Analysed cost and revenue structure of the company and suggested improvements
  - Worked under CEO to make plans for future growth and diversification of the business
  - Worked with HR Dept to develop training manual for induction of new recruits
- Compression Testing of Titanium alloy [Ongoing]:
  (Guide: Prof. Krishna Jonnalagadda)
  - Prepared samples for the compression tests based on ASTM standards
  - Studied papers on work undertaken by other researchers

Course Projects

- **Unique Identification Project** [Jul 2009-Nov 2009]:
  (under the guidance of *Prof. D.B. Phatak* - CSE)
  - Worked on the creation of an interface for the registration of students into a database by recording personal information and biometric data using C++
- **Possible Materials for Bicycle chain** [Jul 2010 – Nov 2010]
  (under the guidance of *Prof. G.V. Prabhugaonkar* - MEMS)
  - Studying the properties required for a bicycle chain and suggesting a suitable material on the basis of cost considerations.
- **Human-Computer Interactions** [Jul 2010 – Nov 2010]:
  (under the guidance of Prof. Azizuddin Khan- HSS)
  - Study of research in measuring cognitive load on working memory
  - Analysed different methods of testing cognitive load
- **Modelling the Demand for Coal in India** [Jan 2011- Apr 2011]
  (under the guidance of Prof. G. Haripriya- HSS)
  - Analysed the data related to coal consumption, price and other related variables of over 25 years

> ➢ Developed a regression model for the demand for coal on the basis of this data

Relevant Courses:

- Solid Mechanics
- Engineering Metallurgy
- Thermodynamics and Heat Transfer
- Fluid Mechanics
- Manufacturing Processes
- Rapid Product Development
- Discrete Event System Simulation
- Introduction to Renewable Energy Technologies
- Energy Economics
- Economics
- Human Cognitive Processes

Positions of Responsibility

- Organiser, Mood Indigo 2009:
  Interacted with celebrity cricketers and an international Rock Group
- Coordinator(Exhibitions), Techfest 2011:
  Involved in planning and organising of Techconnect, an exhibition to showcase research at IIT-Bombay
  Worked with faculty and students of 18 departments to plan the exhibits

Computer Skills

- Programming language: C++
- Software: Scilab, MATLAB, Stata
- Operating Systems: Windows, Linux

Extracurricular Activities / Achievements

- Was selected as an Author of Change 2011 by the National Social Entrepreneurship Forum (NSEF) from over 700 applicants from across India
- Won gold medals in athletics events(100m, 200m) at the Cluster level Competition organised by CBSE(comprising all CBSE schools from Maharashtra, Gujarat & Goa) and qualified for the National level Competition(2006)
- Won the Mumbai round of the Aqua Regia Science Quiz (org by T.I.M.E.) and participated in its National Level round (2006)
- Awarded the All-rounder of the Year at school (Rajhans Vidyalaya) in 2007
- Won the All India Reynolds Scholarship for academic and overall excellence in 2004
- Was member of team which won 2nd position in Music Video Making Competition in Freshizza 2009(Freshman Cultural Event) in IIT-Bombay
- Avid interest in Sports, Economy & finance and Public Policy