



Palash Jhabak
Electrical Engineering
Indian Institute of Technology, Bombay
Specialization: Microelectronics

08D07044
UG Third Year(Dual Degree)
Male
DOB: 29/12/1989

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2010	6.50
Intermediate/+2	CBSE	Kakatiya Public School	2007	87.80
Matriculation	CBSE	Kendriya Vidyalaya	2005	89.60

Scholastic Achievements

- Secured **All India Rank 222** in **IIT Joint Entrance Exam-2008** amongst 310,000 students (top **0.07%**)
- **All India Rank-796** in the All India Engineering Entrance Examination among 800,000 students.
- Secured **16th** position in the State Engineering Entrance Exam among 25,000 students.
- Successfully completed a course in **Economics** (HS101), **Data Interpretation and Analysis**(IC 102).
- Secured **80%** in the **NCFM's Financial Market: Beginners Module Examination**.
- Secured **1st** position in class X Board and was awarded with the Best Academic Performance Award.

Key Academic Projects

- **Tangible Images (Based on a paper by Prof. Manivanan and his Phd, Vasudevan from IIT Madras**
Guide:Manav Kataria) (April 2010-till date)
 - Applied the method stated in the Manivanan's paper to calculate the contact force produced by the texture of a surface.
 - Designed a **Graphical User Interface** in **Matlab** in which user could use images from internet, computer or elsewhere and perform zoom, cut, crop and eventually perform above algorithm to calculate force.
 - Currently trying to implement the force due to geometry by making 3-D model of the image.
- **7-Note Musical Keyboard (Guide: Prof. M.B. Patil & Prof. Swaroop Ganguly, IIT B)** (Mar-Apr, 2010)
 - Fabricated of **Hardware** which Buzzed for the 7 frequencies over an Octave for **5 different Musical Instruments'** waveforms extendable to **multiple octaves** in EE214 Lab course
 - Implemented the **Logic** using **Digital IC's** required for **Streaming Digital Samples** stored in an **EEPROM** at the desired frequencies to an **ADC** and then to **Op-amp** based audio amplifier analog circuit
- **Tomographic Image Reconstruction(Guide: Prof. V.M. Gadre)** (Mar-Apr,2010)
 - Studied various **Convolution Filters** used in Image Processing and their application in medical imaging techniques particularly **Tomography** involving **Image Reconstruction** given limited data only in EE210
- **Intranet Mailing Service (Guide: Prof. Abhiram Ranade, IIT B)** (Sep-Nov, 2008)
 - Developed a complete program for **intranet mailing**, comprising different **user login authentication, e-mail accounts** and attractive Graphics
 - Implemented in **C++** programming language in **LINUX** environment in CS101 course
- **Digital Diary** (Jan-Mar, 2007)
 - Developed a Digital Dairy to store contacts, e-mail-ids, birthdays and all other information.
 - Implemented in Windows with **Visual Basic** as front end and **SQL** as back end.

Other Technical Activities

- Made a **remote controlled all-terrain** which successfully completed the race.

- Made a **line following bot** which detected a white line and followed it. It was made using a photodiode which detected light reflected by the white line.
- Attended a **Level A Certification Workshop on Ethical Hacking**.
- Member of **FSAE India** and part of **IITB Racing** team too. Member of **Web and Coding Club**.
- Technical head of the **Campus Radio, IIT Bombay**.
- As Computer Secretary maintains **Operating System** in comp room, smooth **LAN and Internet**

Position of Responsibility

- **Coordinator, The Entrepreneurship Cell , IIT Bombay.** (July 2009 – Feb 2010)
 - As a coordinator in the **Marketing** Department brought **Essar** group as the **Title Sponsor** (INR 12 Lakh) for The Entrepreneurship Summit (**E-Summit**) held in February 2010.
 - Successfully organized a workshop on Idea generation and validation as a part of **Ideaz**, a **PAN-IIT** Initiative
 - Contacted and convinced professors from various reputed **Business Schools** to judge the B-plan Competition.
- **Co-founder, Educell, An Educational Start-up which provides mentoring.** (Feb 2009 2010-Jan 2010)
 - Planned **strategy** to execute the novel Business Idea of mentoring **IIT-JEE** aspirants.
 - Led the Business development and Marketing in the company.
 - Responsible for the recent deal with **Reliance Communication** to launch a new product, Bhavya.
 - Responsible or the various media coverage, including **TOI**, Hindustan Times and **ETV**.
 - Conducted successful **seminars** in Kota, Udaipur that helped as an initial step in making Educell a brand.
- **Production and Technical head , Campus Radio ,IIT Bombay.** (Jan 2009 -April 2010)
 - **Core group** member of the Campus Radio right from the launch of the same last year.
 - Helped in planning strategy to launch **Campus Radio** and make it popular in the institute.
 - Responsible for the Recording, covering events in the institute and transmitting through the server of **CDEEP**
 - Interviewed by **MTV**, **UTV** and various newspapers soon after the launch.
- **Computer Secretary, Hostel-8.** (Aug 2009 -Jul 2010)
 - Responsible for maintaining the computer room by maintain Linux Operating System in computers
 - Helped **Computer Centre, IITB** in the revamping of the network which was done by **Cisco**
- **Core Group Member, Campus Seva** (May, 2010 till date)
 - It is a **startup** planned by a team of four people including me, which aims at easing out life of **Campus Residents** throughout the country through services like 2nd hand buying/selling, discount offers, carpooling.
 - Have already made extensive business plan, got the **website** ready, done surveys and started contacting companies for offers. Soon launching in **5 IITs**.

Extra- Curricular Activities

- **Cultural:**
 - Participated in a number of intra college fine arts competitions, stood 5th in 3D modeling competition.
 - Was part of the **runner up team in Performing Arts Festival, 2009**, the largest inter-hostel cultural competition. Was also awarded the **PAF Colour** for contribution in PAF 2010.
 - Participated in Street Play **Ram Leela** on Dusshera, **Sophie Prod**, Annual Dramatics events for Sophomores.
- **Sports:**
 - Completed a 15 and days **Mountaineering Trekking** course in Himachal Pradesh.
 - Ranked **2nd** in a 5 member team which **represented** our district in Table Tennis.
 - Successfully completed the **NO 101** and **NO 102** Table Tennis courses at IITB.
 - Part of the Hostel **Volley Ball Team**, represented hostel in **General Championship**.