



RUPESH PUNDLIK CHAUDHARI
Engineering Physics
Indian Institute of Technology, Bombay
Specialization: Nanoscience

10D260005
UG Third Year(Dual Degree)
Male
DOB: 30/12/1992

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	8.25
Intermediate/+2	HSC BOARD	R.Y.K. COLLEGE, NASHIK	2010	91.00
Matriculation	SSC BOARD	RAYAT SHIKSHAN SANSTHA	2008	89.91

➤ Scholastic Achievements :

- Secured 1st District rank & 27th state rank in NSTSE(National Level Science Talent Search Examination) (2010.)
- Was 9th & 8th in Maharashtra state respectively for 2 consecutive years at Maharashtra Talent Search Examination (2006 & 2007)
- Stood 3rd in District at Scholarship Examination conducted by Maharashtra state Government (2004)
- Was Gold medalist in Nashik Talent Search Examination

➤ Projects Undertaken :

- **Track mania :** (Autumn 2010)
Prepared ‘ remote controlled vehicle ‘ for institute level competition. Worked on Design of bot , electrical circuit & its components.
- Made a **Graphical Simulator of Projectile Motion** as the Course Project in second semester using C++ in Linux environment. (Spring 2011)
- **Line Follower Bot :** (Spring 2011)
Worked in the group of 4 members & created a small vehicle which moves along only specific given path. Got idea about arduino uno, sensors etc.
- **Book Keeping Bot(Stage I) :** (Autumn 2011)
Was an active member of team doing this Technovation project. Worked in mechanical assembly.
- **Cosmic Ray Detector :** (Summer 2012)
Built the spark chamber maintaining Aluminum electrode at high voltage and circulating helium gas through it. When Cosmic rays pass through it red sparks will appear. (Guide: Prof. P.Sarin)
- **Parallel Computation Algorithms (C++/OpenMp):** (Autumn 2012)
Studied Davidson’s and Lancos’s method for diagonalisation of symmetric matrices. Wrote C++ (using 4 threads) algorithm of Jacobi’s method to diagonalise symmetric matrices. (Guide: Prof. Alok Shukla)

➤ Software Skills :

- Familiar with **MS-OFFICE**
- Have knowledge of **HTML, C++, Core & Advanced JAVA** programming languages
- Good skill of Matlab.

➤ Positions of responsibility:

- **Web And Alumni Secretary** of Physics Department. (2012-2013)
- Worked as an organizer at **Mood Indigo 2010** in **Horizons** department.
- Worked as an organizer at **Techfest 2011** in **Ozone** Department.
 - Organized '**Survival**' events which was just as '**Treasure Hunt**'
 - Put three different clues in it regarding famous places in IIT BOMBAY.
- Super coordinator at **Techfest 2012** in **Ozone** Department.
 - Managed Junkyard Wars , which is one of the biggest event .
 - Arranged the technical quiz in it.

➤ Extra- Curricular Activities :

- Was participated in District level **Kabaddi , Kho-Kho** Competition.
- Secured 'A' Grade in **Intermediate Drawing Examination**.
- Was **Strike Bowler** of the Department Cricket Team.

➤ Key Courses Taken :

- Digital Electronics (Minor)
- Signals and Systems (Minor)
- Numerical Analysis
- Non-Linear Dynamics
- Continuum Mechanics