



Shounak Dhar.
Electrical Engineering
Indian Institute of Technology, Bombay

100100074
UG Second Year
Male
DOB: 02.06.1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	9.85
Intermediate/+2	St. Xavier's Institution,panihati	St. Xavier's Institution, panihati	2010	95.50
Matriculation	St. Xavier's Institution, panihati	St. Xavier's Institution, panihati	2008	97.20

ACADEMIC ACHIEVEMENTS:

- Ranked **7th** after 1st year in the **institute** in the 2010 batch of students
- Among **top 24** students selected in **Indian National Olympiad in Informatics** conducted by Indian Association for Research in Computing Science in Jan 2010 and attended selection camp for International Olympiad in Informatics in June 2010.
- Shortlisted for the **Kishore Vaigyanik Protsahan Yojana** fellowship in Basic Sciences stream in March 2010, by the Department of Science and Technology, Government of India
- Among **top 35** students selected in **Indian National Physics Olympiad** conducted by Homi Bhabha Centre for Science Education in Jan 2010 and attended selection camp for International Physics Olympiad in May 2010
- Awarded **Institute Academic Award** of Indian Institute of Technology Bombay in July 2011 for academic performance in the first year
- Ranked **84th** in **AIEEE** 2010 and **7th** in West Bengal Joint Entrance Examination 2010
- Qualified in the State level of **National Talent Search Examination**
- Awarded scholarship by Narotam Seksharia Foundation for academic performance in 1st semester and at school
- Awarded the **Telegraph School Award** in July 2010 for academic performance at school

PROJECTS

Study of emissions from an **internal combustion engine**:

- Made a thorough study of compression ignition engines
- Studied the effects of using Karanja oil instead of diesel in diesel engines (May 2011)

Vertical Take-off and Landing bot:

- Worked on an autonomous aerial craft that can take off and land vertically
- Studied the dynamics, stability during flight and attitude control of the craft (Jan-Apr 2011)

Line Follower: made a robot which can follow a line (Oct 2010)

Baja SAE India:

- Currently a member of IIT Bombay racing team. Built an all terrain vehicle for participation in **Baja SAE India 2012** competition
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COURSES

Pursuing a **Minor** degree in **Mechanical Engineering**

Completed courses include:

Fluid mechanics, Linear algebra, Economics, Network Theory, Solid state devices.

Courses in the current year:

Signal Systems, Analog & Digital Systems, Thermodynamics, Power electronics

TECHNICAL SKILLS

- Have knowledge of java and C++
 - Have basic knowledge of SolidWorks, ANSYS and Matlab
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POSITION OF RESPONSIBILITY

- Organizer, Media team, Techfest 2011 (Jan 2011)
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EXTRA-CURRICULAR ACTIVITIES

- Won 3rd place in **arduino decoding competition** organized by Electronics Club of IIT Bombay (Feb 2011)
Arduino is an open source electronics prototyping platform with its own microcontroller board and programming environment
- Took part in Open Division in **Internet Problem Solving contest**, a worldwide online programming contest (June 2010)
- Completed one year training at 2 Maharashtra Engineer Regiment of **National Cadet Corps** and appeared for **NCC B certificate examination** (Aug 2010-Apr 2011)
- A member of **Skating club** of Hostel 4. Working to popularize skating among IITB students.
- Awarded **Chitra Bhusan** (part II) certificate in **painting** by **Pracheen Kala Kendra**, Chandigarh
- Won the Brainvita puzzle solving contest in Radiance 2011, the annual festival of Mechanical Engineering department