



Saurav Swaroop
Energy Systems Engineering
Indian Institute of Technology, Bombay

09D17021
UG Third Year(Dual Degree)
Male
DOB: 19-12-1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	7.56

COURSE PROJECTS

- **Solar Multi-purpose Charger** (*Under: Prof. R. Banerjee*): Made an efficient multipurpose charger for small devices like iPods and mobiles using solar energy, and capable of working at night.
- **Spy-Ear** (*Under: Prof. Rajesh Gupta*) : Made a sound amplifier which takes the sound input from as far as 200m, amplifies it and outputs it in the audible range.
- **Visit to TATA Power Plant, Trombay** (*Under: Prof. R. Banerjee*): Visited TATA Thermal Power Plant to analyze the production of electricity and the parameters of it.
- **Mini UID Project** (*Under: Prof. Deepak B. Phathak*): Taking the input of fingerprints of the student and using it for registration, attendance and keeping an online record of the students on the campus.

KEY COURSES UNDERTAKEN

- Thermodynamics & Energy Conversion
- Heat and Mass Transfer
- Introduction to Nuclear Engineering
- Power Electronics and Machine
- Material Science for Energy Applications
- Fluid Mechanics
- Equipment Design and Control
- Introduction to Renewable Energy Technologies

POSITIONS OF RESPONSIBILITY:

- **Core Team Member, Web & Software , SARC (Student Alumni Relations Cell), IIT Bombay**
(April '11 – Present)
 - Working on the re-modeling of the official website of **IIT Bombay Alumni**. (<http://iitbombay.org>).
 - Made a new website for the **SARC** (<http://sarc-iitb.org>) with a backend administration panel for authorized personnel.
 - Developed an online interface for the **ASMP** (Alumni Student Mentorship Program) based on the PHP framework 'Yii', which facilitates online registration of Students and Mentors, and allotment of mentee's to mentors.
 - Heading a 10 member web team of the SARC.
- **Web & Alumni Secretary, Hostel-4, IIT Bombay:**
(May '10 – May'11)
 - Organized the **Hostel Reunion** for the batch of '85 attended by about **150 alumni** of Hostel-4 (**record number in IIT-B history**).
 - Designed a new Hostel-4 website <http://gymkhana.iitb.ac.in/~hostel4>
 - Conceptualized a centralized **complaint management system** to speed up the grievances redress process and increase the accountability of the hostel council.

- **Coordinator, Creatives & Publicity, TECHFEST, 2011.**

(July '10 - Jan '11)

- Designed high impact outdoor publicity material for hoardings, and the notice boards of different schools and colleges
- Coordinated with a team of 5 designers to develop publicity materials for more than 20 events.

- **Coordinator, MOOD INDIGO, 2010.**

- Organized the **Conspiracy Film Festival** featuring 5 of the great conspiracies of all time.

INTERNSHIP:

- **UniApply Technologies & Consulting Pvt. Ltd:**

(May'11 – July'11)

- Designed and implemented a software platform on top of Joomla for applying online to schools and colleges from all over the country.
- Design and implementation of **AIEEE Counseling Modeler** - online service used for assisting AIEEE aspirants in their admission procedure.
- Design and development of the **Graphical Analysis** part for the Online Test Series platform.
- Development of Facebook applications for **www.uniapply.in**.

- **Planceess Edu. Solutions Ltd:**

(July '11- present)

- **Creatives, Head:** Working for the development of product design and the publicity material for all the products of the company.
- Development and integration of **Facebook** and **Twitter** applications.
- Working to maintain the present website of the company (<http://www.planceess.com>).

WEB DESIGNING FREELANCING:

- **ese.iitb.ac.in:** a website on Wordpress for the students and faculty of **Energy Science & Engineering Department., IIT Bombay.**
- **ezeegrab.com:** a bulk purchase platform on PHP Framework (**Cake PHP**) featuring daily deals.
- **eduplanindia.com:** web portal for online resources for engineering aspirants all over India.
- **zycus.omecdemo2.in:** worked on Joomla to re-model and remove the bugs from the existing website.

COMPUTER PROGRAMMING SKILLS:

- **Programming Languages:** C++, HTML, HTML5, CSS, PHP, JavaScript, Mootools, jQuery, ASP, AJAX, and SQL.
- **Software:** Adobe Photoshop, Adobe Illustrator, Corel Draw, Adobe Flash, MS Office, Sony Vegas, MATLAB.
- **Open Source:** Drupal, Joomla, Wordpress, PHP Frameworks (Cake PHP, Yii), SOLR (Apache's search engine).

AWARDS:

- **Hostel Special Mention:** Awarded for organizational activities in the hostel for the year 2010-11.

