



**Mahipal Singh Jakhar**  
**Energy Systems Engineering**  
**Indian Institute of Technology, Bombay**

**09D17016**  
**UG Third Year(Dual Degree )**  
**Male**  
**DOB: 19 Feb 1993**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2011	6.93

## INTERNSHIP

### Suzlon Energy Ltd.

[June-July 2011]

- Worked with Himanshoo Khare (Head Marketing –Mumbai).
- Analyzed the **Ultra Mega Power Projects (UMPP)**, Qualification & Bidding process for Bidders.
- How **Electricity Tariff** is decided by the Bidders.
- **Role of Central Govt., Power Finance Corporation (PFC), State Govt., Ministry of Power, Ministry of Environment and Forest in power sector.**
- **Electricity Distribution System** in India & other European countries.

### 21<sup>st</sup> Century Education Pvt. Ltd.

[December 2010]

- Organised “**Mumbai Robo Champ**” competition with participation of around **Top 90 schools** of Mumbai and some of the schools from Pune.
- For the competition we get the **permission from the Principals** to conduct a exam to select top students from their school. Collected student information data.
- Conducted **workshops & competition** to the selected students.

### Planceess Edu-solution Pvt. Ltd.

[Jan-April 2011]

- Worked as a **leader** for around **20 students** to **collect Information** data of contacts of the students living in the hostels to publicise the products.
- **Convinced students to work** with the company.

## Technical Skills

- **Programming Language:** C++, C
- **Software Proficiency:** Solid Works, Comsol, Microsoft Office
- **Operating System:** Windows, Linux

## KEY ACADMIC PROJECTS

### Mini UID (Under: Prof. Deepak Phatak, Computer Science Dept.)

- Taking the **input of fingerprints** of the student and use it for the **registration, attendance** and keeping **online record** of the students.

### **Multipurpose Solar Charger** (Under: Prof. R. Banerjee, Energy Science Dept.)

- Made an **efficient multi-purpose charger**, using solar energy and capable of working at night and cloudy days.
- Capable to charge small devices like iPod, Mobile, PDA etc.

### **Spy Ear** (Under: Prof. Rajesh Gupta, Energy Science Dept.)

- Made an **audio amplifier** which can be used to amplify a **lower frequency to higher**.

### **Treelabs**

- Working with Treelabs to **design** the various products with **Solid Works**.

## **POSITION OF RESPONSIBILITY**

### **Sports Secretary Hostel 4**

**[2010-2011]**

- Organised **Intra hostel Competition for more than 10 sports** to **finalise** the **Team** for Inter hotel **General Championship** and to keep the Hostel Enthusiasm.
- Got the **Silver Medal** in General Championship competing with 12 hostels.

### **Techfest Coordinator**

**[2010-2011]**

- Contacted around **500 colleges** and send them the material to **publicize the events** of the fest, with the help of around 20 organisers.
- During the fest handled the '**visitors desk**' as **head** which dealt with more than **30,000 visitors**.

## **EXTRA CERICULAR ACTIVITIES**

- Got '**A**' grade in **BASIC MOUNTAINERING COURSE, Manali (BMC)**, in July 2009 and gained a height of 15,500 feet.
- Attended **Inter IIT Athletics Camp** in December 2009 and 2010.
- Participated as organiser in **Performing Art Festival (PAF)** 2011.