



Vincy Gupta  
Mechanical Engineering,  
Indian Institute of Technology, Bombay  
Specialization: Computer Integrated Manufacturing

10D100026  
U.G. Fourth Year (Dual Degree)  
Male  
DOB: 23/02/1991

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	8.21

#### INDUSTRIAL EXPERIENCES

##### ITC Limited, Foods Division Hyderabad

(May-Jul'13)

- **Manufactured a self-designed setup** for **estimating the cohesive force** of product and **implemented** in the shop floor
- Implemented **"Time & Motion Study"** technique; **optimised** manpower; achieved annual savings of **INR 0.9 Crores**
- Conducted **Root Cause Analysis** to establish causal effects in malfunctioning packing processes; suggested and implemented solutions for the same; achieved annual savings of **INR 3 Crores**
- Achieved potential **annual savings of INR 4 Crores** and **80% rise in overall production**
- Awarded **Pre Placement Offer**

##### Cummins Research and Technology, Pune

(May-Jul'12)

- Formulated methodology used in Engine assembly for **designing bevel gears**
- Suggested solutions for the shortcomings of **Exhaust After Treatment System** leading to **20% rise** in efficiency

#### IIT BOMBAY RACING

- **60 membered** cross functional team; Developed India's **first Electric Race Car EV01**, for **Formula Student UK'12**
- Built an **All-Terrain Vehicle, Prithvi 3.0** for **Baja Sae India '12**; Awarded with the **best vehicle** showcased at the event, **lightest sustainable vehicle** and secured **ANSYS CAE award** out of 105 vehicles
- Worked as **Design Engineer** under **Vehicle Dynamics** for **EV02** representing team at **Silverstone, U.K.** for **FS UK'13**
- Designed **Spring Damper Assembly** and implemented **Anti Roll Bar for the first time** in Indian Electric Vehicle
- **Initiated** use of **COMPOSITE** material leading **7 mentees** towards building a **race car**
- Collaborated with **Shri WJM** for technical support thereby **saving INR 60K** from system budget

#### ACADEMIC PROJECTS

##### Product Development, Industrial Design Centre

(Aug- Nov'13)

- **Lead** team of **8 people**; conceptualized & incorporated **working model** to **augment** usage of Municipal dustbin
- **Installed new dustbins** in collaboration with local **Inspector of Police**; initiative covered by **"The Times Of India"**

##### Rural Electrification and the Power Sector in India, CTARA

(Aug-Nov'13)

- Analyzed electrification data; Delivered seminar on **"Financing off-grid rural electrification: Country case Nepal"**

##### Snake Robot, Design Exploration Workshop

(Dec'11)

- Designed a **low-cost, bio-inspired solution** for a **snake robot** and fabricated it within a limited **period of 2 days**

#### TECHNICAL SKILLS

- Software Packages: HYPERWORKS, ANSYS, FLUENT, SOLIDWORKS, CATIA, MATLAB, PREZI, COMSOL

#### AWARDS AND ACHIEVEMENTS

Academics	<ul style="list-style-type: none"> <li>• Secured <b>1st position</b> in <b>Industrial Design Problem</b> competition by <b>Mahindra &amp; Mahindra</b> ('13)</li> <li>• <b>First prize in Idea contest</b> for providing innovative solutions to significantly improve upon the <b>Steel-wheel to steel-rail adhesion enhancement methods under all weather conditions</b> ('13)</li> <li>• Awarded <b>Narotam Engineering Scholarship</b> by Narotam Sekhsaria Foundation ('12)</li> <li>• Awarded <b>Excellence in MATHS Award</b> for scoring <b>100/100</b> in MATHS in CBSE board ('07)</li> </ul>
Sports	<ul style="list-style-type: none"> <li>• Among top 20 students selected to attend the <b>Inter-IIT Cricket camp</b> ('11 &amp; '13)</li> <li>• Lead under-18 state team of MP to <b>Quarter Finals</b> in <b>National-ball badminton</b> as <b>Captain</b> ('05)</li> </ul>