



**Hemant Patidar**  
**Mechanical Engineering**  
**Indian Institute of Technology Bombay**

**120100084**  
**UG Second Year**  
**Male**  
**DOB: 29/04/1995**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2014	6.57
Intermediate/+2	CBSE	J N V Gachibowli, Ranga Reddy, Andhra Pradesh	2012	92.80
Matriculation	CBSE	J N V Laduna, Mandsaur, Madhya Pradesh	2010	9.40

### SCHOLASTIC ACHIEVEMENTS

- Ranked in top 2% among IIT-JEE 2012
- Selected for Vigyan Manthan Yatra-2007 among 1000 students from class 8<sup>th</sup>, 9<sup>th</sup> and 11<sup>th</sup> throughout the state M.P., for scientific tour
- Selected in JNV, among 40 out of 3000 students

### PROJECTS

#### 1. AEROMODELLING

- Worked on developing a MDC F-14 TOMCAT, a fighter plane with variable sweeping mechanism under Institute Technical Summer Project 2013

#### 2. ROBOTICS

- Built an 'RC Car' in the institute level technical event named 'XLR8' conducted by institute student technical body called 'STAB'
- Built a 'Quadrotor' in a workshop organized by Radiance, IIT Bombay

#### 3. ACADEMIC PROJECT

- Working on a DESIGN PROJECT for developing an innovative design of 'railway crossing gate' aimed at reducing the death rate at railway crossing under the guidance of *Prof. B.K. Chakravarthy* at IDC, IIT Bombay

#### 4. SOFTWARE PROJECT

- Worked on developing a Bus reservation system using C++

### POSITIONS OF RESPONSIBILITY

- Mess Secretary at Hostel 07
  - Our mess ranked as Institutes second best Mess among 13
  - Supervising 25 mess workers with coordination of Mess manager and optimized a budget of INR 9 Million for more than 350 students
  - First Mess in Institute having KFC and McDonalds every week to add variety to Mess menu
- Coordinator, Infrastructure at Techfest IIT Bombay
  - Spearheaded a 6-membered team responsible for the execution of Cassiopeian Wars, North Zone- A National level competition to be held in 5 zones comprising three unique challenges, aimed at holistic development of robotics in India
  - Part of 18-membered team responsible for all the infrastructural dealings and installations in Techfest 2014, covering a budget of around INR 6 Million
  - Part of Anti-Smoking Campaign team, "ISMOKE- I Support the Movement to Kill cancer" spanning 12 cities, 50 colleges aiming to increase awareness among people about harmful effects of Smoking
- Coordinator at Radiance 2013
  - Conducted Hydraulic Arm workshop to increase involvement of youth in scientific
- Managed Library of School having more than 4000 books for 3 months, 2009

## EXTRA CIRICULAR ACTIVITIES

### 1. CULTURAL

- Secured 2<sup>nd</sup> position in entertainment Quiz, Freshizza 2012-2013
- Special Mention in Prem Patra writing competition in Freshizza 2012-2013
- Worked in PAF (Performance Art Festival) under the infrastructure department
- Sophie prod

### 2. SPORTS

- **Gold Medal in 100 m and 200 m at 4<sup>th</sup> Sub-Junior National Paralympic Athletics Championship** organized at Jaipur by Paralympic Committee of Rajasthan
- **Gold Medal in Javelin throw at 6<sup>th</sup> Junior National Paralympic Athletics Championship** organized at Jaipur by Paralympic Committee of Rajasthan
- Led a team of 10 members at **XXII Regional Level Volleyball Championship Bhopal Region** organized at Bohani (Madhya Pradesh)
- Winner of Basketball Inter-school Championship

### 3. SOCIAL

- Taught students of class 12<sup>th</sup> for free in a nearby village during summer 2013 at MP Government School, Dhabla Madhosingh, Bhanpura
- Invigilated GDST (Grand Dakshana Selection Test) at JNV Kolhapur, a 4-tier team

## COMPUTER SKILLS

- **OPERATING SYSTEM:** Windows, Linux and Mac
- **PROGRAMMING LANGUAGES:** C++, HTML/CSS
- **SOTWARES:** MATLAB, Scratch, AUTODESK, MS Office

## COURSES

- **CORE:** Engineering Mechanics, Thermodynamics, Solid Mechanics, Data Analysis and Interpretation, Engineering Drawing, Workshop
- **NON CORE:** Differential and Integral Calculus, Linear Algebra, Economics, Modern Physics, Chemistry, Introduction to Electrical and Electronic circuits, Computer Programming and Utilization, Engineering Metallurgy
- **Lab:** Chemistry Lab, Physics Lab, Workshop Practice, Experimental and Measurement Laboratory, Engineering Drawing, Computer Programming and Utilization, Manufacturing Practice Lab, Solid Mechanics Lab
- **MINOR:** Introduction to Design: Case studies, Information Systems