



**Dedhia Jenil Pankaj**  
**Chemical Engineering**  
**Indian Institute of Technology, Bombay**  
**Specialization: Chemical Engineering**

**11D020003**  
**UG Second Year**  
**Male**  
**DOB: 30/08/1993**

Examination	University	Institute	Year	CPI / %
Graduation	IIT Bombay	IIT Bombay	2012	7.69
Intermediate/+2	Maharashtra State Board of Secondary and Higher Secondary Education	Birla College of Arts, Science and Commerce	2011	88.50
Matriculation	Maharashtra State Board of Secondary and Higher Secondary Education	Don Bosco High School	2009	92.30

### Scholastic Achievements:

- Secured **All India Rank 1085 in IIT-JEE 2011**, among around **5,00,000** aspirants across the country.
- Secured **All India Rank 2798** and **state rank 259** in the **AIEEE 2011** with around **12,00,000** aspirants.
- Scored 358/450 in **BITSAT 2011**, featuring among the **top 760** out of over **1.25 lakh** students.
- Awarded with the **Roll Of Honour** trophy (awarded to the 3 toppers of the batch) in **every year** of schooling at Don Bosco High School.

### Projects Undertaken:

#### Project BioSynth:

[May 2011-Present]

*First ever student initiative of installing a self-sustained 200l biodiesel plant at an institute level.*

- Performed many laboratory runs and synthesized efficient samples of biodiesel with various oils in accordance with the ASTM standards.
- Collaborated with the research team to finalise the process at the laboratory scale, then scaled it up to the plant scale.
- Assisted in the **plant run** and produced 100l biodiesel and verified it to be **compliant with the ASTM standards**.

Industrial Training at "Rashtriya Chemicals and Fertilizers Ltd."

[Jan- Feb 2011]

Guide: Prof. Sanjay Mahajani (Department of Chemical Engineering)

- Studied the design and **DCDA** working of Sulphuric Acid Plant and successfully completed the training programme on **Sulphuric Acid Technology** in Mumbai.
- Prepared a **detailed report** on the sulphuric acid unit and carried out mass and energy balances on the entire sulphuric acid plant.

### Positions of Responsibility:

- Organiser, Mood Indigo 2011:** Organised the events in 'Night Arena' under the Horizons Department for the Asia's largest College Cultural Festival.

- **Organiser, Techfest 2012:** Reinforced the event 'Full Throttle' which included constructing track with obstacles for the **IC engine cars** to run on, **anchoring** the event and giving participants slots for the races.

#### Courses Taken:

Core	Non-Core
Solid Mechanics	Calculus
Thermodynamics	Complex Analysis
Introduction to Transport Phenomena	Linear Algebra
Introduction to Chemical Engineering	Differential Equations
	Economics
	Computer Programming and Utilization
	Chemistry
	Data Analysis and Interpretation
	Modern Physics

#### Technical Skills:

- Languages known – C, C++, HTML.
- Operating Systems – Windows, Ubuntu.
- Softwares – Scilab, MS office.

#### Extra-Curricular:

- Secured '**A**' grade in the **Elementary** as well as the **Intermediate Drawing Grade examinations** which are the top grades awarded in the prestigious drawing examinations conducted by Maharashtra state.
- **Speed cube solver**, solved a 3x3x3 cube **in a minute** and was a part of the IIT Bombay's **Guinness Book of World Records** for solving maximum number of Rubik's cube simultaneously.
- Designed a **R.C. car** for an intra-college event, which **operated wireless** and successfully cleared a path containing many obstacles.
- Was part of the prod making of the runners-up team of **Performing Arts Festival 2012**, the Biggest Inter Hostel Cultural Event of IIT Bombay.
- Took up Aerobics under National Sports Organisation(NSO) for two semesters and passed the course.