



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED

# N. G. PATEL POLYTECHNIC

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**Chemical  
Engineering  
Department  
Newsletter**

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Academic Term: 2019/02

Academic Year: 2020-21

## Vision of the Department

To attain national recognition in training students to meet the challenging needs of chemical & allied industries and society.

## Mission of the Department

- To provide high quality education in tune with changing requirements of industry.
- To provide knowledge and to develop skills in areas of chemical and allied fields.
- To foster industry-academia relationship for mutual benefit and growth.
- To prepare competent engineers with leadership qualities.
- To train students as a Professional Chemical Engineers by providing high quality education and training.

## Department Profile

Established in the year 1997, Chemical Engineering Department is one of the oldest departments of the institute. The department has 12 well qualified faculty members, and 03 supporting staff lead by **Head of Department Prof. Mukesh B. Dhangar**. The department well equipped laboratories which satisfy all the requirements of the curricula proposed by GTU. With the help of state of art laboratories, the practice-oriented learning is imparted to the students. The departmental library helps the students in having ready references. Industrial visits & Expert speeches are the regular features of the department. **Since the inception of Gujarat Technological university in 2008, till date 05 students of the Chemical Engineering Department have secured University Gold Medal for Chemical Branch.** The department has organized various state level and national level conferences, seminars, workshops, webinars, STTPs, FDPs, etc. Department has achieved noteworthy placement of pass out students in over 50 industries through campus interviews. **Chemical Engineering Department is recognized as Schedule I Environmental auditor by Gujarat Pollution Control Board (GPCB), Gandhinagar.** Till date more than 200 projects have been taken over by the audit cell which includes various industries of private, multinational & government sector.

## News letter Committee

|   |                                       |                                    |  |
|---|---------------------------------------|------------------------------------|--|
| <b>Mr. Mukesh Dhangar</b><br>Head of Department | <b>Mr. Himanshu Desai</b><br>Lecturer | <b>Ms. Parul Patel</b><br>Lecturer | <b>Mr. Roshan Patel</b><br>Lab Assistant |
|---|---------------------------------------|------------------------------------|--|

### **Program Educational Objectives (PEOs):**

- PEO-I: To prepare students for the challenging professional world in the area of chemical engineering by providing fundamental engineering knowledge.
- PEO-II: To deliver fundamentals of science, engineering and technology required to analyze and solve chemical engineering problems.
- PEO-III: Pursue career and higher studies in chemical & allied sectors.
- PEO-IV: To inculcate ethical and professional attitude, effective communication skills and teamwork in students to become a successful professional.
- PEO-V: Pursue continued life-long learning through professional practice, further graduate education or other training programs in engineering science or other professional fields.

### **Department Level Activities:**

- An online Webinar was organized on “Role of chemical engineering in pandemic and future” on 28/4/2020, delivered by Dr. Pankaj Gandhi.
- An online Webinar was organized on “Challenges and scope for diploma engineers in fertilizer industry” on 05/05/2020, delivered by Mr. Mahesh J. Patel.
- An online Webinar was organized on “Application of thermodynamic law and energy equation” on 17/05/2020, delivered by Mr. Darshan Trivedi.
- An online Webinar was organized on “Garbage to Gold” on 23/05/2020, delivered by Mr. Virendra Yadav.
- An online Webinar was organized on “Pumps – Its type and Working” on 28/05/2020, delivered by Vikash Goswami.
- An online Webinar was organized on “Zero Liquid Discharge” on 13/06/2020, delivered by Mr. Chintan Desai.
- An online Webinar was organized on “Control of Highly Flammable and explosive Materials” on 17/06/2020, delivered by Mr. Nirav Patel.
- An online Faculty Development Program organized on the topic of “Industrial Safety-Need of The Day for safety purpose from 22/06/2020 to 27/06/2020.

## Placement Details:

Total 01 company have conducted recruitment drive and around 02 students have been selected in various companies. The minimum salary package offered was 1.8 lac per annum.



## Recent Results:

The result of Chemical 17 class as declared by university is as follows: (semester 6)

| Class    | Total appeared students | Total pass students | % Result |
|----------|-------------------------|---------------------|----------|
| CH- 17 A | 35                      | 35                  | 100.00   |
| CH- 17 B | 23                      | 23                  | 100.00   |
| Total    | 58                      | 58                  | 100.00   |

The result of Chemical 18 class as declared by university is as follows: (semester 4)

| Class    | Total appeared students | Total pass students | % Result |
|----------|-------------------------|---------------------|----------|
| CH- 18 A | 54                      | 51                  | 94.44    |
| CH- 18 B | 56                      | 42                  | 75.00    |
| Total    | 110                     | 93                  | 84.55    |

The result of Chemical 19 class as declared by university is as follows: (semester 2)

| Class    | Total appeared students | Total pass students | % Result |
|----------|-------------------------|---------------------|----------|
| CH- 19 A | 71                      | 71                  | 100.00   |
| CH- 19 B | 55                      | 50                  | 90.91    |
| Total    | 126                     | 121                 | 96.03    |