



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED

N. G. PATEL POLYTECHNIC

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**Chemical
Engineering
Department
Newsletter**

Issue: July 2021

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Academic Term: 2020/02

Academic Year: 2021-22

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.

Newsletter Committee

Mr. Mukesh Dhangar Head of Department	Mr. Himanshu Desai Lecturer	Ms. Parul Patel Lecturer	Mr. Roshan Patel Lab Assistant
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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:

July to December 2020

FDP

- The department has organized three days FDP on “Industrial safety- Need of the day” during 22nd June to 29th June 2020, to update the knowledge and awareness about the latest Industrial safety in industries.
- The department has organized three days FDP on “Wastewater treatment technology” during 27th July to 29th July 2020, to update the knowledge and awareness about the latest water treatment technologies in industries.
- The department has organized four days STTP on “Instrumentation in Chemical Plant” during 18th August to 21st August 2020. Around 150 students and 20 staff members have participated in this training program.
- The department has organized four days STTP on “Chemical process simulation in chemical process industry” during 11th August to 13th August 2020. Around 156 students and 18 staff members have participated in this training program.
- The department has organized four days STTP on “Mechanical operations in chemical engineering” during 21st September to 23rd September 2020. Around 135 students and 17 staff members have participated in this training program.
- The department has organized four days STTP on “Basics of petroleum sector” during 19th October to 21st October 2020. Around 140 students and 23 staff members have participated in this training program.



Placement Details:

Total 09 companies have conducted recruitment drive and around 30 students have been selected in various companies. The minimum salary package offered was 1.44 lac per annum and maximum was 2.2 lac per annum.



Recent Results:

The result of Chemical 18 class as declared by university is as follows: (semester 6)

Class	Total appeared students	Total pass students	% Result
CH- 18 A	60	60	100.00
CH- 18 B	63	60	95.24
Total	123	120	97.56

The result of Chemical 19 class as declared by university is as follows: (semester 4)

Class	Total appeared students	Total pass students	% Result
CH- 19 A	72	72	100.00
CH- 19 B	64	63	98.44
Total	136	135	99.26