



SARDARVALLABHBHAIPATELEDUICATIONSOCIETYMANAGED

N. G. PATEL POLYTECHNIC

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**Chemical
Engineering
Department
Newsletter**

Issue: July 2019

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Academic Term: 2018/02

Academic Year: 2019-20

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 & Expertspeechesaretheregularfeaturesofthedeptment.**Sincetheinceptionof Gujarat Technological university in 2008, till date 05 students of the Chemical Engineering DepartmenthaveseuredUniversityGoldMedalforChemicalBranch.**Thedeptmenthasorganizedvariousstatelleveland 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:

1. One day workshop on value base ethical human youth development for global skill (lead India foundation 2020) by Dr. Sudarshan.
2. Live demo and operation of fire extinguisher at NGPP (Chemical engineering department)
3. An expert speech on career guidance seminar by first connect Pvt. Ltd. Surat
4. An event campus bird count in N. G. Patel Polytechnic. (15-16 Feb 2019) by Darshan Desai, Dr. Nilay Desai, Dr. Ashis Gajjar, Viren Desai, Hiren Joshi
5. Drug free India national campaigning session by art of living foundation for first year student.
6. An expert speech on application of surfactant in enhance oil recovery by Prof. Kimshukh D. Desai.
7. An expert speech on pollution and industrial safety by Mr. Bhavesh Tailor.

Staff / Student achievements:

1. Six Students of chemical engineering department participated in the business startup conference program by GTU at Government Polytechnic, Valsad.
2. Mr. Mukesh Dhangar has attend the national level conference on recent innovation in chemical engineering and also achieve best research paper presentation award. And he is also member of paper publication and proceeding committee.
3. Seventeen students of chemical engineering department participate in GTU Sponsor event "150th birthday of Mahatma Gandhi."
4. Ten students of chemical engineering department participate in Activity of NGPP for celebration of world book day on 21st Feb 2019
5. Fifteen students of chemical department participate in poster presentation at Bhagvan Mahaveer college, Surat Sakhiya Dev and Swapnil have achieve 1st rank and Desai Paranjay has secured 2nd rank in an event

Placement Details:

Total 26 companies have conducted recruitment drive and around 131 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 16 class as declared by university is as follows: (semester 6)

Class	Total appeared students	Total pass students	% Result
CH- 16 A	49	42	85.71
CH- 16 B	39	30	76.92
Total	88	72	81.82

The result of Chemical 17 class as declared by university is as follows: (semester 4)

Class	Total appeared students	Total pass students	% Result
CH- 17 A	48	39	81.25
CH- 17 B	40	27	67.50
Total	88	66	75.00

The result of Chemical 18 class as declared by university is as follows: (semester 2)

Class	Total appeared students	Total pass students	% Result
CH- 18 A	62	33	53.23
CH- 18 B	62	21	33.87
Total	124	54	43.55