



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED

N. G. PATEL POLYTECHNIC

Bardoli-Navsari Road, At: Isroli, Po: Afwa, Tal: Bardoli, Dist: Surat-394620

Institute Website: www.ngpatelpoly.ac.in

Mechanical Engineering Department Newsletter

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Academic Year: 2022-23

Vision of the Department

Achieve excellence in Mechanical Engineering by imparting quality education, technical skill and providing competent mechanical engineers to the society and the nation as a whole.

Mission of the Department

- To impart mechanical engineering knowledge through trained faculty in conducive environment.
- To develop in them, ability for pursuing higher studies in the field of mechanical engineering.
- To motivate students for lifelong learning and create awareness to make them industry responsive.

Department Profile

Shrimad Rajchandra Mechanical Engineering Department established in the year 1997 with intake of 60 students, is one of the oldest departments of the institute, achieving new benchmark every year. The department has 07 well qualified faculty members and 03 supporting staff lead by Head of the Department Prof. N. C. Rana. In the year 2001 the intake capacity increased to 120 students.

In the year 2012, second shift was introduced with further increase of 60 students till the year 2017. Since the year 2020, the department has total intake capacity of 60 students every year.

It is established with the aim of quality education to the students. The departmental library helps the students in having ready references. Industrial visits & Expert speeches are the regular features of the department. **Till date 01 student of the Mechanical Engineering Department has secured University Gold Medal for Mechanical Branch.**

The department has organized various state level conferences, seminars, workshops, webinars, STTPs, FDPs, etc. Department has achieved noteworthy placement of pass out students in over industries through campus interviews.

Shrimad Rajchandra Mechanical Engineering Department has a status of reputed branch at regional level. It is working with the principle, "SEE YOUR WAY FORWARD".

Newsletter Committee

Mr. N. C. Rana Head of Dept.	Mr. H. J. Patel Lecturer	Mr. V. H. Patel Ad. Lecturer	Mr. S. H. Patel Lab Assistant	Mr. S. S. Kadam Student M-21
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Program Educational Objectives (PEOs)

Mechanical Engineering Department strives to make the students to be able to:

- PEO-I: Apply fundamental disciplinary knowledge to solve real life engineering problems.
- PEO-II: Engage themselves to contribute to the academics for socio technological development.
- PEO-III: Develop professional ethics and responsibilities towards socio-economical activities.
- PEO-IV: Demonstrate lifelong learning skills by engaging in professional activities and up-gradation of knowledge quotient.

Placement Details:

As a part of our tradition, there are numerous industries had visited for the placement and more industries are in a row for placement of the students' of 2020 batch who will be graduated in May 2023.

Department Level Activities (July to December 2022, Term – 221, AY – 2022-23):

- The department has organized expert speech on “AutoCAD + SolidWorks use in Mechanical Field” on 07th October 2022. About 40 students of M 2020 have attended this seminar.
- The department has organized industrial Visit at “Essenpro Power Transmission Pvt. Ltd” on 10th October 2022. About 53 students of M 2020 have attended this visit.
- The department has organized industrial Visit at “Bardoli Sugar Factory” on 17th December 2022. About 57 students of M 2020 have attended this visit.



Recent Results:

The result of Mechanical 19 class was declared by university is as follows (Semester 6):

Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 19	55	24	43.64	63	13

The result of Mechanical 20 class as declared by university is as follows (Semester 4):

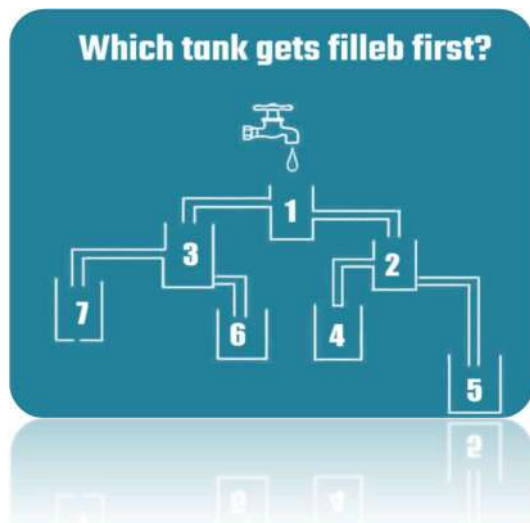
Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 20	54	30	55.56	13	04

The result of Mechanical 21 class as declared by university is as follows (Semester 2):

Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 21	53	24	45.28	18	03

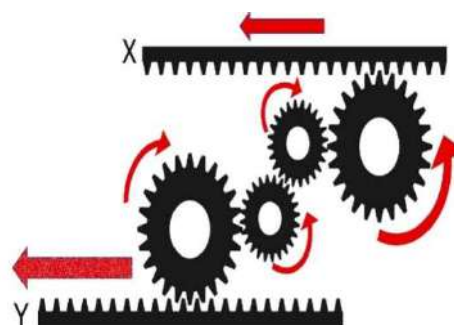
Student's Corner:

Solve the logic puzzle given in the picture if you can.



Prepared by: Thakar Krishana (206370319005)

If rack x move left, which way will rack Y move ?



Prepared by: Patel Vedant (216370319007)