



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**

Issue: July 2023

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Academic Term: 2023/01

Academic Year: 2023-24

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:

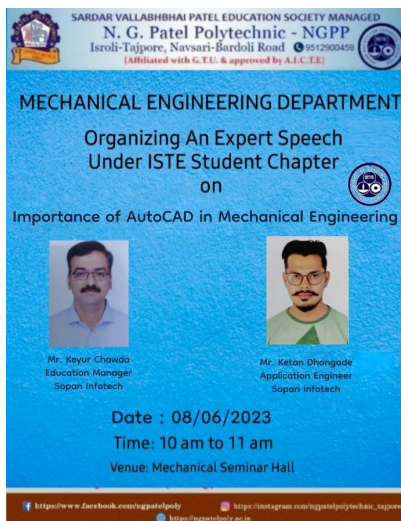
Total 10 companies have conducted recruitment drive and around 09 students have been selected in various companies. The minimum salary package offered is 1.20 Lakhs per annum and maximum was 3.50 Lakhs per annum.

List of Mechanical Students selected in Campus Drive - 2023

Sr. No.	Name of Company	Enrolment No	Name
1	Arcelor Mittal Nippon Steel, India	206370319047	GAMIT PRITAM VINESHBHAI
2		206370319057	LAD JENIL ROHITKUMAR
3	Reliance Industries Limited, Jamnagar	206370319001	THAKAR KRISHNA TARUNBHAI
4		206370319007	GAME BHAGVAT NAROTTAM
5		206370319049	ASHUTOSH VINOD PATIL
6	Syam Trelleborg Tires LLP, Bharuch	206370319018	KHARVASIYA ARYANSINH MILANSINH
7		196370319024	KHATRI KRUNAL DIPAKBHAI
8	Rayzon Solar	206370319017	DAXINI YASH HEMANTKUMAR

Department Level Activities (For January to June 2023, Term – 222, AY – 2022-23):

- Mr. A. D. Patel, Lecturer in Mechanical Department participated and successfully completed five-day online Faculty Development Program on the theme “Inculcating Universal Human Values in Technical Education” organized by AICTE during 9th January to 13th January 2023.
- The department has organized expert speech on “3D Printing” on 2nd February 2023. About 40 students of M 2020 have attended this seminar.
- The department has organized expert speech on “High Pressure Boilers” on 25th April 2023. About 83 students of M 2020 & M 2021 have attended this seminar.
- The department has organized expert speech on “Importance of Auto CAD in Mechanical engineering” on 8th June, 2023. About 76 students of M 2021 & M 2022 have attended this seminar.
- Project Fair-2023 had been organized for the students of M-2020 class on 01st May 2023. There were 09 projects displayed in the event. There are three projects recognized by the judge who is invited from other institute.
- Two industrial visits were arranged for the students of pre-final and final year. There were several students from all semesters have participated in various indoor and outdoor sports activities in the March 2023 at institute level Sports Day event.



Recent Results:

The result of Mechanical 20 class as declared by university is as follows (semester 5):

Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 20	51	23	45.09	30	07

The result of Mechanical 21 class as declared by university is as follows (semester 3):

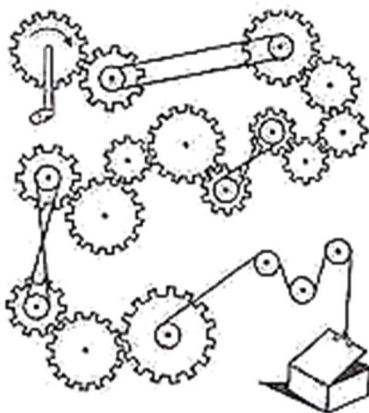
Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 21	52	10	19.23	12	03

The result of Mechanical 22 class as declared by university is as follows (semester 1):

Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 22	47	04	8.51	79	18

Student's Corner:

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



Does it open or close?

Prepared by: **Soni Dhruvik (206370319005)**

Which number replaces the question mark?

3	1	4
7	2	9
1	5	?

Prepared by: **Varde Yash (206370319008)**