



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: Jan 2024

Volume: 11

Academic Term: 2023/02

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 Sr. 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.

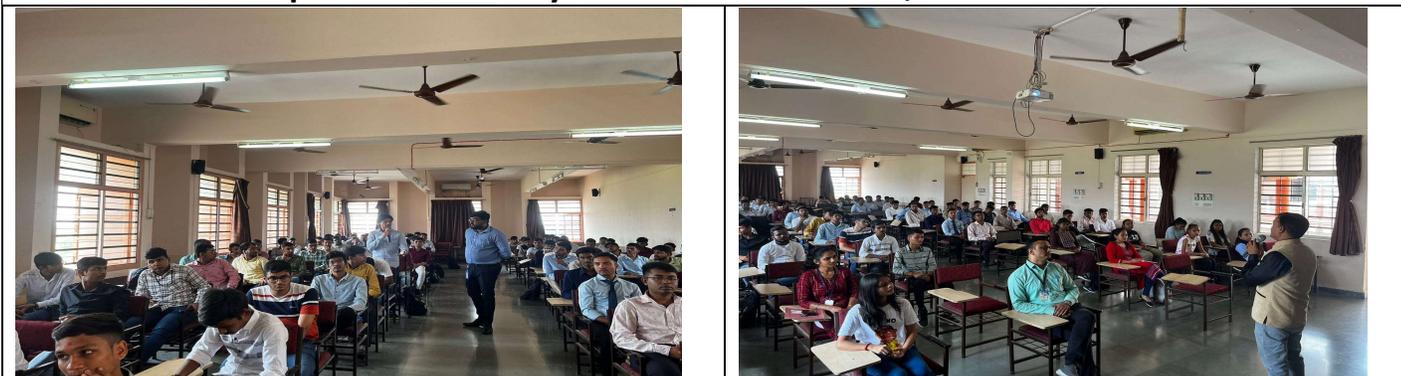
Placement Details:

As a part of our tradition, there are numerous industries have conducted recruitment drive and around 05 students have been selected till date. The details of which are given in the below table. The salary package offered is 2.75 Lakhs per annum to each selected student.

Sr. No.	PEN	NAME	Name of the Company	Package
1	216370319003	Devnath Harsh Pankajbhai	Adani Port, Hazira, Surat	2.75 LPA
2	216370319009	Patel Zeel Vijaybhai	Adani Port, Hazira, Surat	2.75 LPA
3	216370319030	Pandey Devesh Arun	Adani Port, Hazira, Surat	2.75 LPA
4	196370319032	Mahyavanshi Ketankumar S.	Adani Port, Hazira, Surat	2.75 LPA
5	136370319058	Parmar Dhruv S.	Adani Port, Hazira, Surat	2.75 LPA

There are more industries in a row for placement of the students' of 2021 batch who will be graduated in May 2024.

Pre-placement talk by officials of Adani Port, Hazira & T.P.O.



Department Level Activities (July to December 2023, Term – 231, AY – 2023-24):

- The department has organized two days workshop under ISTE Students Chapter on “Chemicals Handling and Management” dated 7th to 8th October 2023. About 32 students of M 2021 have attended this workshop.
- The department has organized expert speech on “Steps towards Entrepreneurship” dated 13th October 2023. About 22 students of M 2021 have attended this seminar.
- The department has organized expert speech on “Object making using 3-D printing” dated 19th October 2023. About 29 students of M 2021 have attended this seminar.
- The department has organized two days Short Term Training Program under ISTE Students Chapter on “Introduction to SolidWorks” dated 7th to 8th October 2023. About 38 students of M 2022 have attended this workshop.
- The department has organized expert speech on “Advanced Design Techniques: AutoCAD and Geometric Dimensioning and Tolerances” dated 20th December 2023. About 38 students of M 2022 have attended this seminar.

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Isroli-Tajpore, Navsari-Bardoli Road ☎ 9512900459
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Mechanical Engineering Department
Organizing Expert's Speech
Under ISTE student Chapter
On
"Steps Towards Entrepreneurship"

Date : 13/10/2023
Time: 02:00 pm Onwards



Speaker:
Mr. Nirmal Mahida
Diploma In Mechanical
Engineering
Alumni of NGPP MECH
Experience 6 Years

<https://www.facebook.com/ngpatelpoly> https://instagram.com/ngpatelpolytechnic_tajpore
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Mechanical Engineering Department
Organizing 2 Days STTP
Under ISTE Student Chapter
On
"INTRODUCTION TO SOLID WORKS"

Date : 3rd and 4th November, 2023
Time: 10 : 20 am Onwards

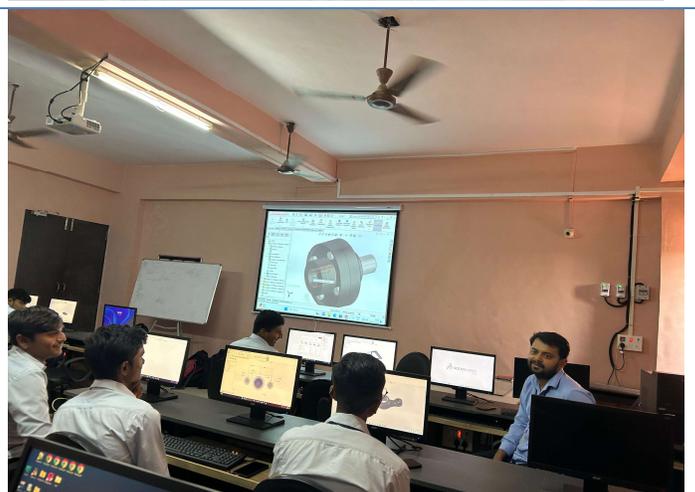


Speaker:
Prof. Nirav B. Rathod
Asst. Prof. Mechanical
Engg., RONGPIT
M. E. (Machine Design)



Speaker:
Prof. Nevil M. Patel
Asst. Prof. Mechanical
Engg., RONGPIT
M. E. (Machine Design)

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N. G. PATEL POLYTECHNIC (637)**
An Isroli, Bardoli-Navsari Road (Tajpore Campus) Ta: Bardoli, Di: Surat.
Website: www.ngpatelpoly.ac.in and Ph. No. 95129 00459
(Affiliated with G. T. U. & A. I. C. T. E. approved)



**MECHANICAL ENGINEERING
DEPARTMENT
&
I. S. T. E. STUDENTS CHAPTER
ORGANIZES**

Date: 20-12-2023

Time: 01:30 PM onwards

Beneficiaries: Class M-2022

Semester: III

Expert Speech
on

Advanced Design Techniques:
AutoCAD and Geometric
Dimensioning & Tolerance



Speaker:

Mr. Jitendra Singh
Technical Manager,
SGCCI Vidhyadeep Skill Acquisition
Centre, Surat



**Object making
Using 3D Printing**



SPEAKER

**Mr. Nevilkumar
M. Patel**
Assistant Professor,
R. N. G. P. I. T.
Bardoli

19th October 2023

Computer Lab , R. N. G. P. I. T.



- The department has organized industrial Visits at “Essential Power Transmission Pvt. Ltd” and “Techno gear Works Pvt. Ltd.” on 21st October 2023. About 32 students of M 2021 have attended this visit.
- The department has organized industrial Visit at “Bardoli Sugar Factory” on 16th December 2023. About 38 students of M 2022 have attended this visit.



Department Level Co-Curricular Activities (July to December 2023, Term – 231, AY – 2023-24):

- In Techfest “UDAAN-2k23” of N. G. Patel Polytechnic, the department had organized various events for students.
- Mr. N. C. Rana, I/c Head, Mechanical was invited as a judge in Paper Presentation Event organized under Techfest “VISVESMRUTI – 2023” at R. N. G. Patel Institute of Technology, Isroli, Bardoli.
- Mr. N. C. Rana, I/c Head, Mechanical participated in Two-days workshop on National Institutional Ranking Framework (NIRF) and National Board of Accreditation (NBA) jointly organized by Internal Quality Assurance Cell, GTU and L. D. College of Engineering.

Recent Results:

The result of Mechanical 20 class as 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 - 20	48	40	83.33	24	04

The result of Mechanical 21 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 - 21	38	14	36.84	24	07

The result of Mechanical 22 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 - 22	39	12	30.77	38	07

Student's Corner:

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

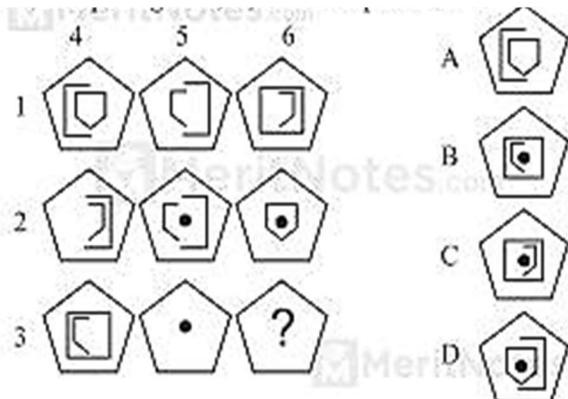


WILL YOU CRACK THE CODE ?

6	8	2	One number is correct and well placed
6	1	4	One number is correct but wrong place
2	0	6	Two numbers are correct but wrong places
7	3	8	Nothing is correct
8	7	0	One number is correct but wrong place

Prepared by: Khan Mo. Faiz (216370319001)

Which Pentagon A, B, C or D replaces the ?



Prepared by: Patel Vedant (216370319007)