



SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED

N.G.PATELPOLYTECHNIC

Bardoli–Navsari Road, At: Isroli, Po: Afwa, Tal: Bardoli, Dist: Surat–394620
Institute Website: www.ngpatelpoly.ac.in

**Mechanical
Engineering
Department
Newsletter**

Issue: Jan 2022

Volume: 07

Academic Term: 2021/02

Academic Year: 2021-22

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 09 well qualified faculty members and 03 supporting staff lead by Head of the Department Prof. M. M. Jikar. 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. **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. M. M. Jikar Head of Dept.	Mr. H. J. Patel Lecturer	Mr. V. H. Patel Ad. Lecturer	Mr. S. H. Patel Lab Assistant	Mr. Kirtan Singh Student M-20
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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 2019 batch who will be graduated in May 2022.

University Gold Medalist

Name: Varde Dhru Rajendrakumar

Enrollment Number: 186370319077



Department Level Activities (July to December 2021, Term – 211, AY – 2021-22):

- The department has organized online webinar on “Technical Skill Enhancement in Mechanical Engineering” on 28th July 2021. About 45 students of M 2018 have attended this webinar.
- The department has organized online webinar on “All about fatigue” on 31th July 2021. About 50 students of M 2018 have attended this webinar.
- The department has organized expert speech on “Basics of Refrigeration from history to recent trends advance” on 26th August 2021. About 45 students of M 2019 have attended this seminar.
- The department has organized expert speech on “Thermodynamics and engineering world around us” on 27th August 2021. About 77 students of M 2019 & M 2020 have attended this seminar.
- The department has organized 3 days STTP on “INDUSTRIAL ENGINEERING TECHNIQUES” on 20th September 2021 to 22th September 2021. About 43 students of M 2019 have attended this seminar.
- The department has organized expert speech on “Introduction to Ultrasonic Testing” on 29th October 2021. About 38 students of M 2020 have attended this seminar.
- The department has organized expert speech on “Basics of AutoCAD” on 30th October 2021. About 39 students of M 2020 have attended this seminar.
- The department has organized expert speech on “Applied Engineering” on 25th November 2021. About 42 students of M 2020 have attended this seminar.
- The department has organized online webinar on “Stress – free exam” on 27th November 2021. About 30 students of M 2020 have attended this webinar.
- The department has organized expert speech on “Nuclear Power Plant” 28th December 2021. About 33 students of M 2019 have attended this Seminar.
- The department has organized expert speech on “Jigs and Fixtures” on 29 December 2021. About 26th students of M 2019 have attended this seminar.

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MECHANICAL ENGINEERING DEPARTMENT
 "Technical skill enhancement
 in Mechanical Engineering"



Date: 28/07/2021
 Time: 4:00 PM

Dr. K. B. Rathod
 Head of the Department & Associate
 Professor
 R_{NGPIT}, BARDOLI
 Ph.D. (Mechanical Engineering)

Meeting ID : 970 524 8845
 Passcode : 123456

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Webinar
 On
All About Fatigue

Date: 31/07/2021 Time: 03:00 PM



Meeting Id : 759 0578 4346
 Password : ngppmech

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MECHANICAL ENGINEERING DEPARTMENT
EXPERT SPEECH ON
**"BASICS OF REFRIGERATION : FROM HISTORY
 TO RECENT TRENDS"**

DATE: 26/08/2021 TIME : 11:30 a.m. Onwards
 VENUE: MECHANICAL SEMINAR HALL, NGPP



Speaker:
Mr. Ankursinh P. Solanki
 Assistant Prof. Mechanical Engineering Department, R_{NGPIT}
 M.E. – Thermal Engineering
 Ph.D (Pursuing)- Thermal Management of Electronic Devices

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MECHANICAL ENGINEERING DEPARTMENT
Webinar on
"Thermodynamics & Engineering World Around Us"
 (Under ISTE Students chapter)

FRIDAY
 AUGUST 27TH-2021
 12:00 PM ONWARDS




SPEAKER:
 Dr. J.S. Chaudhary
 Asst. Prof. Mechanical Engg., R_{NGPIT}

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N. G. PATEL POLYTECHNIC
 Tajjore Campus, Bardoli, Surat.
MECHANICAL ENGINEERING DEPARTMENT
 3 Days Short Term Training Program On
**"RECENT TRENDS IN INTERNAL COMBUSTION ENGINE SYSTEMS
 &
 ALTERNATIVE FUELS"**

Date: 20th August – 22nd August Time: 10:20 am onwards

Eminent Speakers of the STTP



Prof. Vikram A. Mistry
 Asst. Prof. Mechanical Engg., R_{NGPIT}
 M. E. (I.C. Engine & Automobile)
 Date: 20-08-2020
 Topic: Introduction to IC engine and Theoretical and Actual Valve timing diagram
 Date: 21-08-2020
 Topic: Cooling system in I.C. engine



Prof. Suchant K. Merai
 Asst. Prof. Mechanical Engg., R_{NGPIT}
 M. Tech. (Automobile Technology)
 Date: 21-08-2020
 Topic: Working of carburetor
 Date: 22-08-2020
 Topic: Fuel supply systems in C.I. engine

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MECHANICAL ENGINEERING DEPARTMENT
ORGANISES
AN EXPERT SPEECH ON
INTRODUCTION TO ULTRASONIC TESTING
UNDER ISTE STUDENT CHAPTER

DATE : 29/10/2021
 TIME : 10:00 AM TO 11:00 AM



MR. GAURANG K. CHAMPANERI
 ASSISTANT PROFESSOR IN MED
 R_{NGPIT}, BARDOLI


MODE OF SPEECH : OFFLINE MODE
VENUE : MECHANICAL SEMINAR HALL

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Mechanical Engineering Department

An expert speech on
"Basics of AutoCAD"
 UNDER ISTE STUDENT CHAPTER



Date: 30/10/2021
 Time: 10:00 am - 11:00 am
 Venue: Mechanical seminar hall

Speaker: Mr. Harshit Patel
 (B.E. Mechanical)
 Sr. Application Engineer
 Software Evangelist at
 SOPAN institute of engineering and design, Surat





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MECHANICAL ENGINEERING DEPARTMENT

Expert speech on
"Applied Engineering"
 (Under ISTE Students chapter)

**THURSDAY
 NOVEMBER 25TH-2021
 1:30 PM ONWARDS**

SPEAKER:
 Prof. V.P. Patrauwala
 I/c Head of Mechanical Engg, Government Polytechnic, Navsari

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MECHANICAL ENGINEERING DEPARTMENT

An online interactive expert speech on
"STRESS FREE EXAM"
 A dialogue session with students

Speaker:
 Prof. Mukesh B. Dhangar
 Head,
 Chemical Engineering Department,
 N. G. Patel Polytechnic,
 Bardoli



Date: 27/11/2021
 Time: 11:00 am onwards
 Platform: 

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MECHANICAL ENGINEERING DEPARTMENT

Expert Speech
 on
"Basic Overview Of Jigs & Fixtures"
 (Under ISTE students chapter)




**29/12/2021
 Wednesday
 Time: 10:00 am onwards**

Speaker:
 Prof. Gaurang K. Champaneri
 Assistant Professor,
 Mechanical Engineering Department,
 R.N.G.P.I.T, Bardoli

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Recent Results:

The result of Mechanical 18 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 - 18	98	96	97.96	59	11

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

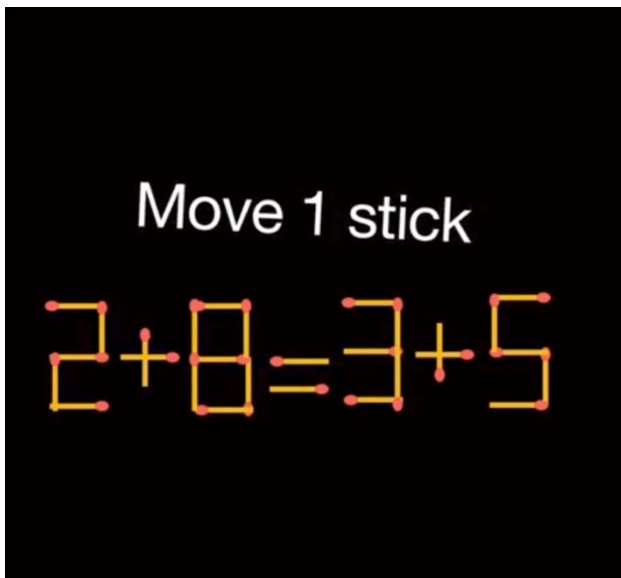
Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 19	70	69	98.57	48	05

The result of Mechanical 20 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 - 20	56	56	100	08	03

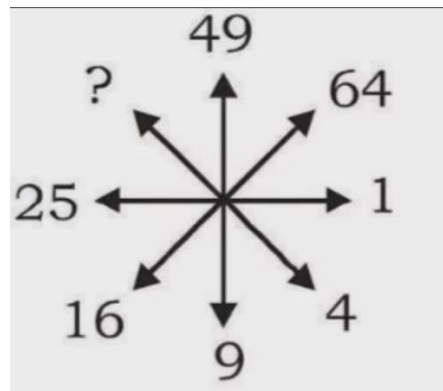
Student's Corner:

Solve the puzzle to get equal numbers both the sides:



Prepared by: Patel Jay (196370319050)

Which number replaces the question mark?



Prepared by: Gamit Ephraime (206370319048)