



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: July 2022

Volume: 08

Academic Term: 2022/01

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 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. **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. 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
---	------------------------------------	--	---	---

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 13 companies have conducted recruitment drive and around 08 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.

Sr. No.	Student Name	Enrolment No.	Employee Name
1	GUPTA DEEPAKUMAR SHREEGYANSAGAR	196370319019	TDS LITHIUM-ION BATTERY GUJARAT PRIVATE LIMITED, Ahmedabad
2	HARSORA VIVEK NIRANJANBHAI	196370319021	Reliance Industries Limited, Jamnagar
3	LOKHANDWALA KRISHNA ATULKUMAR	196370319027	ArcelorMittal Nippon Steel India Limited Hazira, Surat
4	MAHYAVANSHI ARPITKUMAR DIPAKBHAI	196370319031	ArcelorMittal Nippon Steel India Limited Hazira, Surat
5	PATEL JAY NANUBHAI	196370319050	ArcelorMittal Nippon Steel India Limited Hazira, Surat
6	PATEL JAYKUMAR SHAILESHBHAI	196370319051	Gujarat Chemical Port Limited, Bharuch
7	TANDEL HARDIKKUMAR ASHOKBHAI	196370319070	ArcelorMittal Nippon Steel India Limited Hazira, Surat
8	SONVANE MUKESH GANESH C to D	206370319501	ArcelorMittal Nippon Steel India Limited Hazira, Surat



Department Level Activities (January to June 2022, Term – 212, AY – 2021-22):

- The department has organized expert speech on “Power plant from an Industry Perspective” on 13th Jan 2022. About 21 students of M 2019 have attended this seminar.
- The department has organized expert speech on “Career counseling and D2D awareness programme” on 22 March 2022. About 52 students of M 2019 have attended this seminar.
- The department has organized expert speech on “An Overview of FUSION 360” on 06th April 2022. About 38 students of M 2020 have attended this seminar.
- The department has organized industrial Visit at “Kakrapar Atomic Power Station” on 14 March 2022. About 57 students of M 2019 have attended this visit.
- The department has organized industrial Visit at “Jinal Engineering” on 26 May 2022. About 56 students of M 2020 have attended this visit.
- Project Fair-2022 had been organized for the students of M-2019 class on 08th April 2022. There were 10 projects displayed in the event. There are three projects recognized by the judge who is invited from other institute.
- There were several students from all semesters have participated in various indoor and outdoor sports activities in the March 2022 at institute level Sports Day event.

<p>SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. Patel Polytechnic – NGPP Isroli-Tajpore, Navsari-Bardoli Road ☎ 9512900459 (Affiliated with G.T.U. & approved by A.I.C.T.E.)</p> <p>MECHANICAL ENGINEERING DEPARTMENT</p> <p>Expert speech on “Power Plant from An Industry Perspective” (Under ISTE Students chapter)</p>  <p>THURSDAY JANUARY 13TH-2022 12:00 PM ONWARDS</p> <p>SPEAKER: Mr. Dattesh J. Dhangar Sr. Officer, Sardar Sarovar Narmada Nigam Ltd, Narmada dam, Kevadia</p> <p>For more information call on 9512900459</p> <p>www.ngpatelpoly.ac.in svpess@yahoo.com</p> <p>ngpatelpoly ngpatelpolytechnic_tajpore</p>	<p>SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC-NGPP At. & P.O.: ISROLI - AFWA, NAVSARI - BARDOLI ROAD, DIST.: SURAT - 394620 (Affiliated with G.T.U. & approved by A.I.C.T.E.)</p> <p>MECHANICAL ENGINEERING DEPARTMENT</p> <p>Organizes An Expert Speech on “An overview of FUSION 360”</p> <p>Speaker: Mr. Vikas Devganiya CAD Engineer Khodiyar CAD Center, Surat</p>  <p>DATE: 06/04/2022 TIME : 1:30 PM Onwards</p> <p>VENUE: MECHANICAL SEMINAR HALL, NGPP</p> <p>For more information call on 9512900459</p> <p>www.ngpatelpoly.ac.in svpess@yahoo.com</p> <p>ngpatelpoly ngpatelpolytechnic_tajpore</p>
<p>SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC-NGPP At. & P.O.: ISROLI - AFWA, NAVSARI - BARDOLI ROAD, DIST.: SURAT - 394620 (Affiliated with G.T.U. & approved by A.I.C.T.E.)</p> <p>MECHANICAL ENGINEERING DEPARTMENT</p> <p>Seminar ON “Career Guidance and D2D Awareness Program”</p> <p>DATE: 22/03/2022 TIME : 4:00 p.m. Onwards</p> <p>VENUE: MECHANICAL SEMINAR HALL, NGPP</p>  <p>Speaker: Dr. K. B. Rathod Head of the department & Associate Professor, RNgPIT Ph.D – Mechanical Engineering</p> <p>For more information call on 9512900459</p> <p>www.ngpatelpoly.ac.in svpess@yahoo.com</p> <p>ngpatelpoly ngpatelpolytechnic_tajpore</p>	<p>SARDAR VALLABHBHAI PATEL EDUCATION SOCIETY MANAGED N. G. PATEL POLYTECHNIC-NGPP At. & P.O.: ISROLI - AFWA, NAVSARI - BARDOLI ROAD, DIST.: SURAT - 394620 (Affiliated with G.T.U. & approved by A.I.C.T.E.)</p> <p>SPORT FEUER - 2022</p>  <p>For more information call on 9512900459</p> <p>www.ngpatelpoly.ac.in svpess@yahoo.com</p> <p>ngpatelpoly ngpatelpolytechnic_tajpore</p>

Recent Results:

The result of Mechanical 19 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 - 19	57	14	24.56	50	08

The result of Mechanical 20 class as declared by university is as follows (semester 3):

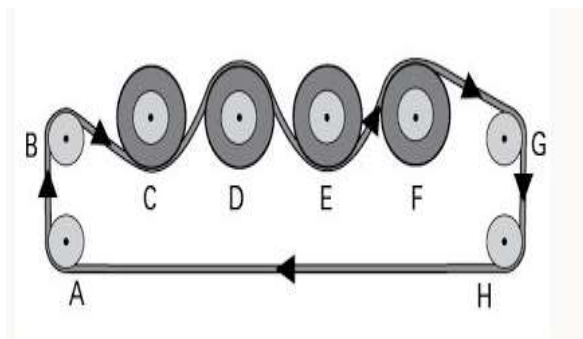
Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M -20	56	23	41.07	14	04

The result of Mechanical 21 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 - 21	57	21	36.68	22	06

Student's Corner:

How many pulleys are turning clockwise?



“How to use the ISO Catalogue”

The online ISO Standards listing integrate both the ISO Catalogue of published standards and the ISO Technical programme of standards under development. From within the listing, the user can choose to display, as required, Published standards and/or Standards under development and /or Withdrawn standards and /or Projects deleted.

he following prefixes similarly denote joint international standards:

ISO/ASTM joint ISO and ASTM (American Society of Testing and Materials) International Standard

ISO/CIE: joint ISO and CEI (International Commission on Illumination) International Standard

ISO/HL7 joint ISO and HL7 (Health Level Seven) International Standard

ISO/IEEE: joint ISO and IEEE (Institute of Electrical and Electronics Engineers) International Standard

ISO/OECD joint ISO and OECD (Organization for Economic Co-operation and Development) International Standard

Prepared by: Devkar Smit (206370319038)

Prepared by: Mahyavanshi Arpit (196370319031)