



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 2020

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AcademicTerm: 2020/01

AcademicYear: 2020-21

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 11 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. From 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.

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. K. D. Mahida Student M-18
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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:

More than 10 companies have conducted recruitment drive and around 21 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	Arodiya Bilal Umar	176370319003	Bajaj Auto Limited, Pune
2	Halpati Kenil Ashokbhai	176370319019	Asahi India Glass Limited, Patan
3	Maisuriya Shivamkumar Ashokbhai	176370319030	Asahi India Glass Limited, Patan
4	Parmar Gauravkumar Rajeshbhai	176370319038	Arcelor Mittal Nippon Steel India Limited, Hazira, Surat
5	Patel Henilkumar Upeshbhai	176370319047	L & T MHPS Turbine Generators Pvt. Ltd., Hazira, Surat
6	Patel Krutik Anilbhai	176370319050	SKH Y-TEC INDIA PRIVATE LIMITED
7	Patil Vinalkumar Santosh	176370319062	Asahi India Glass Limited, Patan
8	Patil Vrajesh Jitendra	176370319064	SKH Y-TEC INDIA PRIVATE LIMITED
9	Pinjara Mohmadrizwan Irafanbhai	176370319065	Asahi India Glass Limited, Patan
10	Pradhan Chintankumar	176370319066	L & T MHPS Turbine Generators Pvt. Ltd., Hazira, Surat
11	Prajapati Dhruvikkumar Hiteshbhai	176370319067	Asahi India Glass Limited, Patan
12	Sakeeb Arodiya	176370319073	Bajaj Auto Limited, Pune
13	Siyodia Darshit Arvindbhai	176370319077	Asahi India Glass Limited, Patan
14	Zaid Salim Arodiya	176370319083	Bajaj Auto Limited, Pune
15	Ansari Mohd Akram Kaiyum	176370319501	Asahi India Glass Limited, Patan
16	Patil Shivam Jagdishbhai	176370319511	Asahi India Glass Limited, Patan
17	Shah Priyam Dipmpalbhai	176370319514	Arcelor Mittal Nippon Steel India Limited, Hazira, Surat
18	Dhanger Animesh Ashokbhai	176370319012	DD Design - Drawing Solutions, Navsari
19	Khunt Parth Dhirajlal	176370319023	Arcelor Mittal Nippon Steel India Limited, Hazira, Surat
20	Malek Azaz Liyakat	176370319032	Ford Motor Company, Ahmedabad
21	Patel Harsh Rajanikantbhai	176370319507	Blue Star Limited, Dadra

Department Level Activities(January to June 2020, Term – 192, AY – 2019-20):

- Staff of Mechanical Department participated and successfully completed four-day online Faculty Development Program on the theme “CAD/CAE-(SOLIDWORKS & ANSYS) CAD/CAE-(SOLIDWORKS & ANSYS)” organized by Mechanical Department, N.G.P.P during 27th June to 30th June 2020.
- The department has organized online Webinar on “Additive Manufacturing “3D Printing” on 07th May 2020. About 95 students of M 2017 have attended this Webinar.
- The department has organized online Webinar on “Maintenance of Centrifugal Pump “3D Printing” on 26th May 2020. About 95 students of M 2017 have attended this Webinar.
- The department has organized online Webinar on “An overview of AutoCAD for beginners “3D Printing” on 31th May 2020. About 71 students of M 2018 have attended this Webinar.
- The department has organized online Webinar on “Welding Techniques” on 31th May 2020. About 71 students of M 2018 have attended this Webinar.
- The department has organized online Webinar on “Estimation of Machining time considering metal cutting approach” on 05th June 2020. About 95 students of M 2017 have attended this Webinar.
- The department has organized online Webinar on “Industry 4.0 – Way forward for young engineers” on 20th June 2020. About 95 students of M 2017 have attended this Webinar.
- The department has organized online Webinar on “Advance Metal forming processes” on 26th June 2020. About 71 students of M 2017 have attended this Webinar.
- The department has organized online Webinar on “Solar energy – The energy source for household applications” on 27th June 2020. About 95 students of M 2017 have attended this Webinar.
- The department has organized online Webinar on “CNC Milling of non linear profiles” on 30th June 2020. About 77 students of M 2017 have attended this Webinar.
- The department has organized industrial Visit at” CPIET: Center for Skilling & Technical Supports” on 05 February 2020 & 06 February 2020. About 95 students of M 17A & 17B (6th sem.) have attended this visit.
- The department has organized industrial Visit at” Rajdeep Boiler Pvt. Ltd.” on 17 February 2020 & 19 February 2020. About 60 students of M 18 (4th sem.) have attended this visit.
- The department has organized industrial Visit at” Kakrapar Atomic Power Station” on 16 March 2020 & 16 March 2020. About 82 students of M 17A & 17B (6th sem.) have attended this visit.
- There were 17 projects made by the students of M-2017.
- There were several students from all semesters have participated in various indoor and outdoor sports activities in the February 2020 at institute level Sports Day event.

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Mechanical Engineering Department

A webinar on
"Additive Manufacturing - 3D Printing"

Mr. Nirajsinh B. Rathod
M.E. Machine Design / BMM
Assistant Professor (RNGPIT, Bardoli)
Experience: 15.5 Years

Date: 07/05/2020 (Thursday)
Time: 4:00 pm to 5:00 pm

Zoom Meeting ID: 708 678 7391
Password: ngppmech

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Mechanical Engineering Department

Webinar on
Maintenance of Centrifugal Pump

Date: 26/05/2020, Time: 4:00 PM

Speaker :-
Dr. Vratraj K. Joshi
Workshop Superintendent &
Assistant professor, RNGPIT, Bardoli,
M.Tech(CAD/CAM), Ph.D
Experience 22 Years

Meeting Id : 970 524 8845
Password : 591289

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Mechanical Engineering Department

Webinar on
AN OVERVIEW OF AUTOCAD FOR BEGINNERS

DATE : 31/05/2020, TIME : 11 AM
Specifically for 1st year and 2nd Year Engineering Students

Mr. Anand Mistry
Founder / Director
Aspire Designs

Mr. Vijay Prajapati
Application Engineer
Aspire Designs

Meeting Id : 970 524 8845
Password : 123456

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Mechanical Engineering Department

Webinar On
Welding Techniques

Date : 31/05/2020, Time: 5:00 PM

Speaker :-
Mr. Jigar Mehta,
Manager - Engg.
ATUL LTD.

Meeting Id : 796 484 2115
Password : 1hRLmh

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Mechanical Engineering Department

Webinar on
Advance Metal Forming Processes

Date : 26/06/2020, Time : 3:30 PM

Dr. Ravi Bhatt
Assistant Professor,
CGPIT, Maliba Campus,
Uka Tarsadia University, BARDOLI
Ph.D (Mechanical Engineering)

Meeting Id : 485 010 5226
Password : ngppmech

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Mechanical Engineering Department

Webinar on
Estimation of Machining Time Considering Metal Cutting Approach

Date : 05/06/2020, Time : 4 PM

Dr. K.B.Rathod
Head of Department & Associate Professor
RNGPIT, BARDOLI
Ph.D (Mechanical Engineering)

Meeting Id : 970 524 8845
Password : 123456

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Mechanical Engineering Department

Webinar on
**Industry 4.0
Way Forward For Young Engineers...**

DATE : 20/06/2020, TIME : 11 am to 12 pm

Speaker :
Hardik C. Desai
Assistant Professor
Mechanical Engineering Department
Chhotubhai Gopalrahe Patel Inst. of Tech.
UKA TARSADIA UNIVERSITY

Meeting Id : 742 2232 2454
Password : 123456

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Webinar on
Solar Energy - The Energy Source for the Household Applications

Date: 27/06/2020, Time: 4:00 pm

Speaker:
Prof (Dr.) Kalpesh V. Modi
Professor & Head,
Mechanical Engineering Department,
Government Engineering College, Shuj

Meeting Id: 723 7480 1834
Password: solar123

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Mechanical Engineering Department

Webinar on
CNC Milling of Non Linear Profile

Date : 30/06/2020, Time : 3:00 PM

Speaker :-
Dr. Vratraj K. Joshi
Workshop Superintendent &
Assistant professor, RNGPIT, Bardoli,
M.Tech(CAD/CAM), Ph.D
Experience 21 Years

Meeting Id : 754 6367 0096
Password : ngppmech

Recent Results:

The result of Mechanical 17 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 – 17	80	39	48.75	59	11

The result of Mechanical 18 class as declared by university is as follows (semester 3):

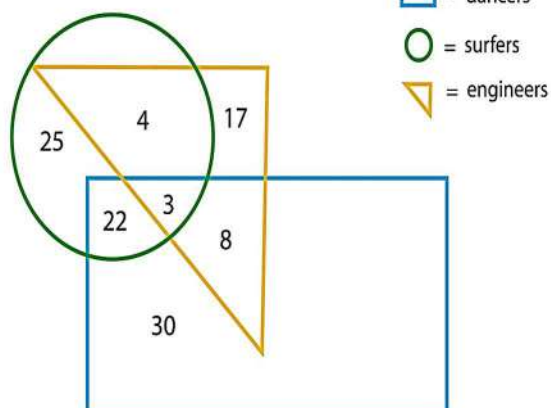
Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 18	70	23	32.86	23	05

The result of Mechanical 19 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 - 19	72	18	25	58	12

Student's Corner:

How many engineers are neither surfers nor dancers?



Prepared by: Rana Ronak (176370319068)

Crack the logical password:

- * Password is 5 - digit number
- * The 4th digit is 4 more than the 2nd one
- * The 3rd digit is 3 less than the 2nd one
- * The 1st digit is 3 times the 5th digit
- * 3 pairs of digits sum up to 11

Prepared by: Sakeeb Arodiya (176370319073)