



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](http://www.ngpatelpoly.ac.in)

**Mechanical  
Engineering  
Department  
Newsletter**

Issue: July 2021

Volume: 06

AcademicTerm: 2021/01

AcademicYear: 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.

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**

<b>Prof. M. M. Jikar</b> Head of Dept.	<b>Mr. H. J. Patel</b> Lecturer	<b>Mr. V. H. Patel</b> Ad. Lecturer	<b>Mr. S. H. Patel</b> Lab Assistant	<b>Mr. D. A. Rathod</b> Student M-19
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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 17 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	Bhadauria Prabhatsingh Harendrasingh	186370319004	Asahi India Glass Limited, Chanasama
2	Chaudhari Vikash Satishbhai	186370319008	Quess Winning Together
3	Chauhan Poojaben Vasantbhai	186370319010	Yazaki India Private Limited
4	Chauhan Sachin Vasant	186370319011	L & T Heavy Engineering, Surat
5	Gouda Arun Sanjay	186370319019	Bajaj Auto Limited, Pune
6	Jadhav Rahul Vishwas	186370319022	EPL LIMITED, Mumbai
7	Patel Hardik Dilipbhai	186370319039	Digivridhhi Technologies Private Limited
8	Pawar Jainish Amrat	186370319056	EPL LIMITED, Mumbai
9	Pitroda Parthkumar Kishorbhai	186370319059	Bajaj Auto Limited, Pune
10	Rana Yash Maheshbhai	186370319062	INOX Air Products, Songadh
11	Rathod Harishbhai Kishanbhai	186370319063	CRI Limited, Moti Bhoyan, Gujarat
12	Shah Udaychandra Ishwarchandra	186370319067	EPL LIMITED, Mumbai
13	Surti Devangkumar Shaileshbhai	186370319073	Shri Chalthan Vibhag Khand Udyog Sahkari Mandali Limited, Chalthan
14	Trivedi Maulik Prakashbhai	186370319075	EPL LIMITED, Mumbai
15	Yadav Ashishkumar Ramsajivanbhai	186370319081	TDS LITHIUM-ION BATTERY GUJARAT PRIVATE LIMITED
16	Patel Harshkumar Yuvraj	186370319044	Maxwin ChemTech Private Limited, Valsad
17	Surati Viren Sureshbhai	186370319072	Academy for Skill Development, AMNS, Hazira

## Department Level Activities (January to June 2021, Term – 202, AY – 2020-21):

- The department has organized online webinar on “Basic overview of NDT and different certification bodies of NDT” on 30<sup>th</sup> April 2021. About 70 students of M 2019 have attended this webinar.
- The department has organized online webinar on “Dye Penetrant Testing Method” on 30<sup>th</sup> April 2021. About 69 students of M 2019 have attended this webinar.
- The department has organized online webinar on “Mechatronics – A science of intelligent Machines” on 21<sup>st</sup> May 2021. About 100 students of M 2018 & M 2019 have attended this webinar.
- The department has organized online webinar on “CNC Milling of non-linear profiles” on 15<sup>th</sup> May 2021. About 85 students of M 2018 have attended this webinar.
- The department has organized online webinar on “Refrigeration & Air-conditioning system ” on 17<sup>th</sup> June 2021. About 71 students of M 2019 have attended this webinar.
- The department has organized online webinar on “Plastic Injection and blow molding ” on 19<sup>th</sup> June 2021. About 71 students of M 2019 have attended this webinar
- Online Project Fair-2021 had been organized for the students of M-2018 class on 15<sup>th</sup> April 2021. There were 16 projects in the event. There are three projects recognized by the judge who is invited from other institute.



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 Isroli-Tajpore, Navsari-Bardoli Road ☎ 9512900459  
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**MECHANICAL ENGINEERING DEPARTMENT**

WEBINAR ON

**"Mechatronics – a science of Intelligent machines"**

**SEPTEMBER**

**Mr. Hardik C. Desai**  
 Assistant Professor  
 Chhatrabhai Gopalbhai Patel Inst. of Tech.  
 Uka Tarsadia University

Participate in this session by joining us on

Google Meet Meeting code: zwq-bqwg-gsz

16/06/2021 11:00 am

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<http://ngppatelpoly.ac.in>

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Webinar  
 on

**CNC Milling of Non Linear Profile**  
 Date : 15/05/2021, Time : 11:00 AM

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

Meeting Id : 540 409 9150  
 Password : ngppmech

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MECHANICAL ENGINEERING DEPARTMENT  
 ORGANIZES  
 WEBINAR  
 ON  
 REFRIGERATION AND AIR CONDITIONING SYSTEMS

DATE : 17-06-2021  
 TIME : 2:15 PM ONWARDS

**DR. JITENDRA B. CHAUDHARY**  
 ASSISTANT PROFESSOR, MIED,  
 RANGPIT, BARDOLI

Meeting ID: 732 2188 1822  
 Passcode: 9w0Hh

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**N. G. PATEL POLYTECHNIC (637)**  
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**Mechanical Engineering Department**

Webinar  
 on

**Plastic Injection and Blow Molding**

Registration link:  
<https://forms.gle/ScW1YanhP6TDfBGT6>

**Mr. Jenip Tandel**  
 M. Tech. (Mech.)  
 Entrepreneur,  
 Endeavour Enterprise,  
 Valsad

Join us on  
 Saturday, June 19  
 from 10:30 AM  
 onwards

Google Meet joining info  
 Video call link:  
<https://meet.google.com/zfp-wfvp-vgq>

### Recent Results:

The result of Mechanical 18 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 - 18	86	38	44.19	41	13

The result of Mechanical 19 class as declared by university is as follows (semester 3):

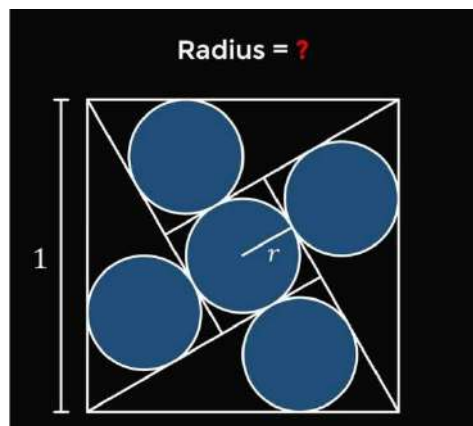
Class	Total appeared students	Total pass students	% Result	Program Ranking at GTU level	Program Ranking at Zone level
M - 19	57	09	15.79	49	10

The result of Mechanical 20 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 - 20	49	29	59.18	69	12

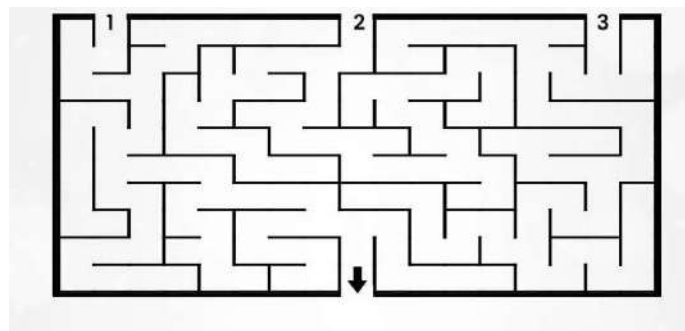
### Student's Corner:

Find the radius of the circle which is in center.



Prepared by: Varde Dhru (186370319077)

Find the correct path:



Prepared by: Patel Smit (196370319060)