

R. N. G. Patel Institute of Technology -
RNGPIT, Bardoli



E - NEWS LETTER

Mechanical Engineering Department

VOLUME: 3

(June 2020 to May 2021)





E – News Letter

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Patron

Dr. L. B. Chaudhari
Principal

Editors

1. Mr. Sapan H. Joshi
2. Mr. Chirag R. Desai

Advisors

1. Dr. K. B. Rathod
2. Dr. V. K. Joshi
3. Mr. Bhargav B. Patel

Vision

To establish a holistic teaching-learning eco-system with a vision to generate quality Mechanical Engineering professionals to contribute for economic growth of the society and the nation.

Mission

1. To ensure effective and efficient teaching methods for sound fundamentals.
2. To impart technical skill through effective collaboration and specialised Training.
3. To use modern equipments, software and technology for effective learning.
4. To develop creative dynamic technocrats, entrepreneurs and leaders.

1. FROM THE DESK OF THE PRINCIPAL



Dear students and faculty members,

It is my privilege to warmly welcome you into the great institution dedicated to the cause of top quality technical education with the goal of “Taking you to for the future endeavors through technology”.

Our management has dedicated this institute to improve technical excellence, ethical values and overall development of student’s community of especially remote area and the nation as a whole.

At RNGPIT, we provide undergraduate degree programme in five branches i.e. Chemical Engg., Mechanical Engg., Electrical Engg., Civil Engg., and Computer Science and Engg. We also provide three years full time graduate course i.e. Bachelor of Vocation (B.Voc) in Software Development, B.Voc in Production Technology and B.Voc in Refrigeration & Air-Conditioning.

It’s my immense pleasure to inform you that during the (COVID-19) pandemic situation our faculties put their best efforts towards the perfection. As I would like to inform you that they had organized abundant 116 online webinars and 1157 online lectures via Zoom Digital Platform.

The exemplary infrastructural facilities, the team of highly qualified and dedicated faculty and the panorama of vivifying landscapes of vast Sardar Campus will surely take you to enviable heights in your capabilities and achievements.

If you obsess over whether you are making the right decision, you are basically assuming that the universe will reward you for one thing and punish you for another.

Dr. L. B. Chaudhari
Principal, R. N. G. Patel Institute of
Technology –RNGPIT, Bardoli



R. N. G. Patel Institute of Technology – RNGPIT

Mechanical Engineering Department

E – News Letter

2. FROM THE DESK OF THE HOD



Dear students and their parents,

With great pleasure I introduce you to the Department of Mechanical Engineering of R. N. G. Patel Institute of Technology.

In today's fast-changing world with ever-growing challenges of limited resources and rapid climate changes, a new generation of Mechanical Engineers nurtured with necessary skills and innovative spirit is needed. Our attempt is to provide our students with a cheerful, productive and satisfying experience at all levels of their programme of studies so that they can explore the amazing world of Mechanical Engineering.

Our department features state-of-the-art infrastructure including well-developed laboratories for core courses like Fluid Mechanics, Fluid Power, Dynamics of Machinery, Internal Combustion Engine, Refrigeration and Air-conditioning, Basics of Mechanical Engineering etc. It also features a full-fledged workshop which can hone to students' knowledge and hands-on skills related to manufacturing. Students can learn modern software related to drafting, modelling and analysis, which are nowadays a pre-requisite in industry.

Dr. K. B. Rathod,
Head of Mechanical Engg. Dept.,
RNGPIT

3. Department Profile

The department has an excellent industrial interaction and contributes to the industry by regular interaction and sharing knowledge and ideas. Keep itself up to date with the latest development and trends in the field and with dedicated faculty of highly qualified and experienced members in all streams of mechanical engineering. The department has developed laboratories for Basics of Mechanical Engineering, Fluid Mechanics, Metallurgy, Fluid power Engineering, Mechanical Measurements & Metrology, Internal Combustion Engine, Refrigeration and Air Conditioning, Production Technology, Heat and Mass Transfer, Dynamics of Machine, CAD/CAM, Automobile engineering with well-equipped workshop.

Program Educational Objectives

- Potential to apply the basic and advanced knowledge of Mechanical Engineering along with interdisciplinary subjects to build a successful career.
- To inculcate proficiency skills/trainings among students to excel either in higher education or mechanical industries.
- Ability to identify, develop and engage in contemporary engineering practices with modern tools to solve engineering related issues.
- To exhibit confidence, motivation & innovative ideas to complex problems to become an entrepreneur/leader.

Program Specific Outcomes

- Graduate will be able to solve real life problems by using computer aided engineering (CAE) tools of design, analysis, manufacturing and assembly of products.
- Graduates will be able to apply their knowledge and skills of manufacturing, design, thermal and fluids for the industrial growth.



4. Department Activities

(a) Online Courses:

➤ During Pandemic our faculties has successfully completed several online courses via Coursera, Udemey.

Sr No.	Faculty Name	No. of Courses Completed
1	Dr. K. B. Rathod	08
2	Dr. V. K. Joshi	22
3	Mr. B. B. Patel	22
4	Mr. H. B. Nayak	22
5	Mr. N. B. Rathod	24
6	Mr. G. K. Champaneri	48
7	Mr. A. K. Desai	25
8	Mr. V. P. Bhagatwala	13
9	Dr. J. B. Chaudhari	12
10	Mr. C. K. Balar	32
11	Mr. D. M. Patel	23
12	Mr. C. R. Desai	29
13	Mr. N. M. Patel	37
14	Mr. Y. H. Chauhan	54
15	Mr. C. Z. Patel	22
16	Mr. V. A. Mistry	36
17	Mr. S. K. Merai	09
18	Ms. R. R. Patel	25
19	Mr. S. H. Joshi	29

(b) Online Webinar/FDPs/STTPS:

➤ Mechanical Engineering Department organized short term training program on LEARN CNC from 7th June 2020 to 16th June 2020.

Expert:

- ❖ **Dr. K B Rathod**
Head MED.
- ❖ **Dr. V K Joshi**
W/S Superintendent
- ❖ **Mr. C K Balar**
Assistant Professor, MED.
- ❖ **Mr. D M Patel**
Assistant Professor, MED.
- ❖ **Mr. C R Desai**
Assistant Professor, MED.

➤ Mechanical & Chemical Engineering Department jointly organize six days Online FDP on PROCESS OPTIMIZATION USING DESIGN OF EXPERIMENT from 15th June 2020 to 20th June 2020.

- ❖ **Dr. Meghal Desai**, Associate Professor, Ch.E.D., SVNIT, Surat
- ❖ **Dr. Sanjay Patel**, Associate Professor, Ch.E.D., SVNIT, Surat
- ❖ **Dr. D. I. Lalwani**, Associate Professor, M.E.D., SVNIT, Surat

YouTube Link: DAY 1

<https://www.youtube.com/watch?v=6p4gtR5efnU>

YouTube Link: DAY 2

https://www.youtube.com/watch?v=GaCktH_CnKQ

YouTube Link: DAY 3

<https://www.youtube.com/watch?v=SdAbo-OR0yM>

YouTube Link: DAY 4

<https://www.youtube.com/watch?v=6WayvhHW1mQ>

YouTube Link: DAY 5

<https://www.youtube.com/watch?v=on42sVo1PYk&t=2201s>

YouTube Link: Day 6

<https://www.youtube.com/watch?v=wV0h7HDAzBQ>



Sardar Vallabhbhai Patel Society Managed

R. N. G. Patel Institute of Technology – RNGPIT

Mechanical Engineering Department

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- Mechanical Engineering Department – organized Webinar on “Basics of Nanotechnology and its application in Engineering” dated on 24th June 2020 at 03:00 PM to 04:00 PM

Expert Profile:

Dr. MehulKumar H Mangrola,

Assistant Professor, Head of Science and Humanities Department, R. N. G. P. I. T, Bardoli.

YouTube Link: : <https://bit.ly/3fKpT1W>

Sardar Vallabhbhai Patel Education Society Managed
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Approved by AICTE & Affiliated to GTU

Basics of Nanotechnology and its application in Engineering

Dr. MehulKumar H Mangrola
Assistant Professor,
Head of Science and Humanities Department
RNGPIT, Bardoli

WEDNESDAY | JUNE 24 | 3 PM

facebook <https://bit.ly/2YnVIS5>

YouTube <https://bit.ly/3fKpT1W>

- Mechanical Engineering Department – organized Webinar on “CAREER OPPORTUNITIES IN MECHANICAL ENGINEERING” date on 25th June-2020 from 11:30 PM TO 12:30 PM

Expert Profile: EXPERTS/ PANALIST:-

1. **DR D. B. NAIK,**
RETRD, PROF T&P, SVNIT SURAT.
2. **MR AMIT PATEL**
CEO, DIRECTOR, UGES, BARODA.
3. **DR K. B. RATHOD,**
HOD, MED, RNGPIT, BARDOLI

YouTube Link: <https://bit.ly/317KGsu>

LIVE WEBINAR

R N G Patel Institute of Technology
Bardoli

CAREER OPPORTUNITIES IN MECHANICAL ENGINEERING

THURSDAY 25 JUNE 2020 • 11.30 AM-12.30PM

Watch the entire session on YouTube: <https://bit.ly/317KGsu>
Facebook: <https://bit.ly/24m07LN>

Registration Link: <https://forms.gle/Duft0CPgtCPc16Y17>

Dr. D. B. NAIK
RETRD, PROF T&P, SVNIT SURAT.

Dr. K. B. RATHOD
HOD, MECHANICAL, RNGPIT BARDOLI

MR AMIT PATEL
CEO, DIRECTOR, UGES, BARODA.

- Mechanical Engineering Department – organized Webinar on “Rock Your LinkedIn Profile” dated on 26th June 2020 from 11:00 PM TO 12:30 PM

Expert Profile:

Darshan Shah,

D Vivid Consultant.

YouTube Link: <https://bit.ly/2BwDM50>

R. N. G. Patel Institute of Technology, Tajpor, Bardoli.

T & P Cell of Mechanical Engineering Department
Organize

LIVE WEBINAR

Rock Your LinkedIn Profile

DARSHAN SHAH
D VIVID CONSULTANT
AHMEDABAD

Friday, June 26th | 11 AM to 12.30 PM

Watch the entire session on the following link

SSIP (Student Society of Innovation & Professionalism)

YouTube: <https://bit.ly/2BwDM50>
Facebook link: <https://bit.ly/2V8Okyn>



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Mechanical Engineering Department

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- Mechanical Engineering Department – organized Webinar on “Exam Anxiety & Memory Power” dated on 27th June-2020 from 01:00 PM TO 2:00 PM

Expert Profile:

1. **Ms. Jinal Chaudhari,**
Memory Coach
2. **Mr. Muktesh Parekh,**
Memory Coach

YouTube Link: <https://bit.ly/2Z6yrtq>

R. N. G. Patel Institute of Technology, Bardoli - RNGPIT
(Previously Known as FETR)
Bardoli – Navsari Road, Isroli, Afa, Bardoli, Surat, Gujarat 394620

**Mechanical Engineering Department Organises
A Live Webinar on**

Exam Anxiety & Memory Power

Exam Anxiety
Can't Remember & Recall
Lots of Hard-work but No Result
Lack of Concentration

Mind Power
About Right brain and left brain
Natural method and Artificial Method
Mind Palace

Mr. Muktesh Parekh
Memory Coach

Ms. Jinal Anilbhal Chaudhari
Memory Coach

Registration link: <https://forms.gle/Tow9hccrDPGNKx5>

YouTube <https://bit.ly/2Z6yrtq>

LIVE <https://bit.ly/2BISk60>

June, 27 2020
01:00 P.M.

- Mechanical Engineering Department – organized Webinar on “Journey of Mechanical Engineer as a Joint Industrial Commissioner” dated on 1st July 2020 from 11:00 PM.

Expert Profile:

Mr. Himanshu N Mevada,
Joint commissioner of industries & General
Manager,
Govt. of Gujarat.

YouTube Link: <https://bit.ly/3g1VZGG>

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Journey of Mechanical Engineer as a Joint Industrial Commissioner

Mr. Himanshu N Mevada
Joint Commissioner of
Industries & General
Manager
Government of Gujarat

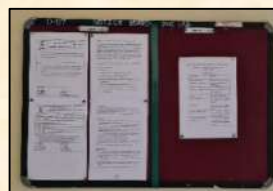
WEDNESDAY | **JULY** | **11**
DAY | **1** | **AM**

facebook bit.ly/3eJl4pM

YouTube bit.ly/3g1VZGG

(c) 5S Activity:

- 5S is one of the first tools that can be applied in an organization that is starting down the path of the continuous improvement culture.
- A 5S implementation helps to define the first rules to eliminate waste and maintain an efficient, safe, and clean work environment.





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(d) E- Visvesmruti 2020:

- Mechanical Engineering Department also organized **E-Visvesmruti Competition** such as E-Paper Presentation, Design Mania and E-quizz in association with QCFI and ISHARE” on 15th and 16th September, 2020.



- R.N.G. Patel Institute of Technology - RNGPIT, Isroli - Bardoli Organized Online webinar on “**Introduction of Indian Society of Heating, Refrigerating and Air Conditioning Engineers (ISHRAE)**” at 2:15 PM dated on 18th September, 2020.

Expert: Mr. Paurush Ghadiali

Profile: Director at Surat Refrigeration and Engg. Co.

YouTube Link:

<https://youtu.be/VKpiLIMR2c>





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(e) GTU Result Analysis:

➤ Winter 2019

Sr No.	Class	No. of Students	% Pass
1	Mechanical 16	129	84.50%
2	Mechanical 17	127	69.29%
3	Mechanical 18	60	43.33%
4	Mechanical 19	31	48.39%

➤ Summer 2020

Sr No.	Class	No. of Students	% Pass
1	Mechanical 16	130	100 %
2	Mechanical 17	129	99.25 %
3	Mechanical 18	57	100 %
4	Mechanical 19	31	100 %

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MECHANICAL ENGINEERING DEPARTMENT TOPPERS
CONGRATULATIONS

1
PATEL KRUNAL P.
170840119066
SPI: 10.00
CPI: 9.38
CGPA: 9.56

2
PATEL KRUTIK K.
170840119067
SPI: 9.91
CPI: 8.81
CGPA: 9.31

SEMESTER 6 (SUMMER 2020)

WWW.FETR.AC.IN MO: 9512900457, 9512900458

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મિકેનિકલ એન્જીનીયરીંગ વિભાગનું GTU નું પરિણામ 99.22 % સાથે સમગ્ર ગુજરાત રાજ્યમાં 111 કોલેજો પૈકી ચોથા ક્રમાંકે

RNGPIT કોલેજ ના મિકેનિકલ એન્જીનીયરીંગ વિભાગ નું GTU નું પરિણામ 99.22% સાથે સમગ્ર ગુજરાત રાજ્યમાં 111 કોલેજો પૈકી ચોથો ક્રમાંક હાંસલ કરેલ છે. આજ વિભાગનો એક વિદ્યાર્થીએ 10 માંથી 10 SPI મેળવી તે પ 10 માં સ્થાન મેળવી સંસ્થા પરિવારનું ગૌરવ વધાર્યું છે.

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BARDOLI - NAVSARI ROAD, ISROLI (TAJPORE), BARDOLI
www.fetr.ac.in 95129 00457, 95129 00458

GTU દ્વારા જાહેર કરવામાં આવેલ છઠ્ઠા સેમેસ્ટર ના પરિણામોમાં બારડોલીની RNGPIT કોલેજ સમગ્ર ગુજરાત રાજ્યમાં બીજા ક્રમાંકે

બારડોલી વિસ્તારની એન્જીનીયરીંગ ક્ષેત્રે સર્વશ્રેષ્ઠ શિક્ષણ આપતી RNGPIT કોલેજ નું GTU દ્વારા જાહેર કરવામાં આવેલ છઠ્ઠા સેમેસ્ટર નું પરિણામ 99.25% સાથે સમગ્ર ગુજરાત રાજ્યમાં 120 સરકારી કોલેજો પૈકી અને સેલ્ફ ફાયનાન્સ કોલેજો પૈકી બીજો ક્રમાંક હાંસલ કરેલ છે.

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MECHANICAL ENGINEERING DEPARTMENT TOPPERS
CONGRATULATIONS

1
SHAH HARSHIL A.
190843119018
SPI: 9.43
CPI: 8.59

2
PATEL PRATHAM P.
180840119029
SPI: 9.26
CPI: 8.12

2
RAJAK SACHIN Y.
180840119039
SPI: 9.26
CPI: 8.74

SEMESTER 4 (SUMMER 2020)

WWW.FETR.AC.IN MO: 9512900457, 9512900458



- Drive for “**Hazira Manufacturing Division (L&T, AM/N Division) through ARIHANT NDT Inspection Services (ANIS), Surat**” at Mechanical Department, RNGPIT, Bardoli.
Date: 26th Feb. 2020

Total **13 students** get selected for the post of “**NDT LEVEL II CERTIFIED INSPECTOR**” for final PI round. It is to be noted that the Mechanical Department of RNGPIT College is offering NDT LEVEL II CERTIFICATE in-house course under the skill development programme at H.B. Punawala Vocational Training & Research Centre.

- The campus recruitment drive for “**Sterlite Power Limited, Selvasa**” for the post of Junior Engineer was successfully conducted.
Date: 27th August, 2020

(f) Placement Detail:

- The campus recruitment drive for “**M/s Engineering Technique, Surat**” for the post of Design Engineer
Date: 5th February 2020
 Batch: Intake Mechanical-2016, 2015



- The campus recruitment drive for “**M/S Asahi India Glass Limited**” for the post of Trainee Engineers/SGET was successfully conducted.
Date: 6th February, 2020

