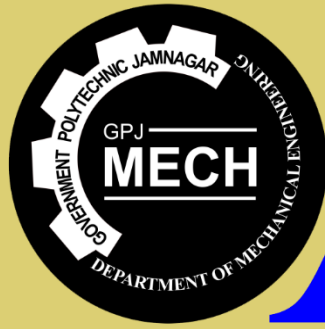


# GOAL



The Newsletter VOLUME 15 | ISSUE: August 2021

Department of Mechanical Engineering  
Government Polytechnic Jamnagar





## Institute



*To be an elite institute by creating technocrats who will contribute towards the betterment of the society.*



**M1:** To be a student centric institute ,imparting fundamental, experimental and innovative skills addressing societal problems for creating socially responsible citizens.

**M2:** To Strengthen the linkage with the employers , industries , alumni and other stakeholders for the betterment of the institute.

**M3:** To Promote co-curricular and extra-curricular activities for overall personality development of the students.



## Department



*To provide quality education emphasizing technical skills to cater to the needs of industry and society.*



**M1:** To impart technical knowledge by using latest available facilities.

**M2:** To inculcate technical skills into students for their professional development.

**M3:** To nourish personality emphasizing ethical values.

**M4:** To facilitate career development support through proper guidance.

## *Principal's Message*



Greetings to staff members and students!

It gives an immense pleasure to release newsletter of Mechanical Engineering Department.

The Mechanical Engineering Department is committed to create conducive atmosphere for the development of young brains into bright technocrats of future.

Through various co-curricular and extra-curricular activities conducted during the academic year, the students are equipped with technical knowledge and skills to progress in the engineering profession.

The department cares for student support, mentoring, study skills workshops and career development.

I appreciate department's student centric attitude and also faculties and students who are making this newsletter.

Warm regards,

**Axay K. Zala**

**Principal**

**Government Polytechnic Jamnagar**

## *Head of Department's Message*



Dear GPJ friends and well-wishers,

I am happy to present the August 2021 issue of the Mechanical Department's quarterly newsletter to you.

It highlights the major academic achievements, research work, co-curricular and extra-curricular activities in the Department.

Your comments and suggestions are welcome to make the next issue of the newsletter more interactive.

Warm regards,

**Hiren V. Mandalia**

**Head of Department**

**Mechanical Engineering**

**Government Polytechnic Jamnagar**





## Virtual Industrial Visit

was organized at **Active Enterprise**, Jamnagar for the final year students on 1<sup>st</sup> May, 2021.



Webinar on 'CALIBRATION OF LINEAR METROLOGY INSTRUMENTS' was organized on 29<sup>th</sup> May 2021, by an expert Mr. Jaydev Maniar, on google meet platform.



# A WEBINAR ON SSIP GRANT BASIC IDEA GENERATION & APPLICATION PROCESS

Organized by:  
SSIP Cell



**GOVERNMENT POLYTECHNIC  
JAMNAGAR**

**PATRON**  
Shri A.K. Zala (Principal)

## LET'S JOIN OUR EXPERT



**R. K. BORSANIYA**  
SSIP COORDINATOR



**M. D. NARANIYA**  
SSIP CO-CORDINATOR



**K. M. SHAH**  
I/C HOD, CE DEPT.

## WEBINAR AGENDA

1. SSIP BASICS
2. CONCEPTS OF INNOVATIVE STARTUPS
3. WHO AND WHY OF STARTUPS?
4. JOURNEY OF STARTUP WITH PROS AND CONS
5. IDEA GENERATION
6. SSIP PROCEDURES FOR PoC/ IPR APPLICATION



### EVENT PLATFORM

Microsoft Teams

### EVENT COORDINATOR

D. B. PANDYA, LECTURER, CE DEPT

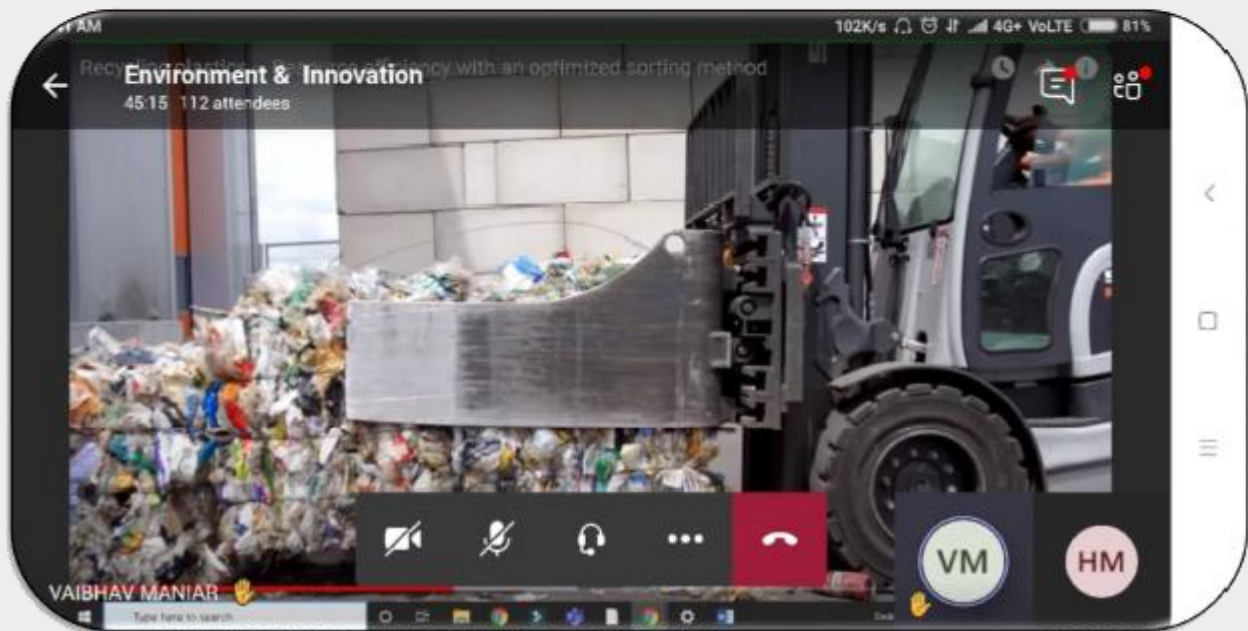
**DATE : 17TH JUNE 2021**

**TIME: 11:30 AM TO 1:00 PM**

**REGISTER ONLINE** <https://forms.gle/3hB554CYe5vQ5qCf6>

Webinar on 'SSIP GRANT BASIC IDEA GENERATION & APPLICATION PROCESS' was organized by SSIP Cell on 17<sup>th</sup> June, 2021. One of our department faculty **Mr. M.D. Naraniya** delivered his expert speech on this occasion.





Webinar on 'Environment & Social Responsibilities' was organized by ISTE Institute chapter and mechanical department on 19<sup>th</sup> June 2021.

Platform: Microsoft Team

Attended: 231 Participants.



# Webinar on 'RAPID PROTOTYPING'



was organized by Mechanical Department in association with ISTE Chapter as on 26th June 2021, for final year students.



ANNOUNCING THE

## WINNERS !

2021 QUIZ Comp

**2nd ₹ 750**

JOSHI DEVANSHI  
CIVIL, SEM 2  
EN. NO. 206250306048

**1st ₹1000**

JADEJA DHARAMRAJSINH  
COMPUTER, SEM 2  
EN. NO. 206250307092

**3rd ₹ 500**

KANZARIYA RUPIT  
MECHANICAL, SEM 2  
EN. NO. 206250319108

**Winners of Cash Prizes & Certificate of Achievement**

Organized & Sponsored by  
Lect. A V Nakum  
Lect. M D Naraniya

Patron  
Shri A K Zala  
(Principal)

Our mechanical student **Kanzariya Rupit** from second semester won third cash prize in **2021 QUIZComp** organized by **NSS**.

# Consultancy



## Oxygen Consumption Audit

In corona pandemic, oxygen consumption audit at **G.G Hospital Jamnagar** was done by **S.P Gori**, **A.M Galani** and **M.D.Naraniya** during May 2021-July 2021.

## RTO Learning License Test

RTO camp for learning license test is functional by **R.H Gokani** and **D.B. Jethawa** at our workshop building. We have crossed issuing **2000 learning license** in the month of July 2021.

# Research Paper



Mr. V.R.Maniar had presented paper on "Shrinkage Elimination in Casting of GG30 Grade Cast Iron Impellor by using Pro-cast Software & Finite Elemental Analysis by Meshcast Software" in International Journal for Research in Applied Science & Engineering Technology, Volume 9, Issue 6.

ISSN NO: 23221-9653

LINK: <https://doi.org/10.22214/ijraset.2021.35218>



**Elite**



# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



TOPPER

This certificate is awarded to

**KANAKSINH MANSING ZALA**

for successfully completing the course

**Product Design and Development**

with a consolidated score of **91** %

Online Assignments	25/25	Proctored Exam	66/75
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Total number of candidates certified in this course: **660**





**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee

**Jul-Aug 2021**  
(4 week course)



**Prof. Priti Maheshwari**  
NPTEL Coordinator  
IIT Roorkee




Indian Institute of Technology Roorkee



Roll No: NPTEL21ME83S14150180


To validate and check scores: <https://npTEL.ac.in/noc>

**Elite**



# NPTEL Online Certification

(Funded by the Ministry of HRD, Govt. of India)



TOPPER

This certificate is awarded to

**DEVAT DEVASIBHAI CHHAIYA**

for successfully completing the course

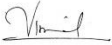
**Product Design and Development**

with a consolidated score of **91** %

Online Assignments	23.33/25	Proctored Exam	67.5/75
--------------------	----------	----------------	---------

Total number of candidates certified in this course: **660**






**Prof. V. C. Srivastava**  
Coordinator, Continuing Education Centre  
IIT Roorkee


**Jul-Aug 2021**  
(4 week course)



**Prof. Priti Maheshwari**  
NPTEL Coordinator  
IIT Roorkee



Indian Institute of Technology Roorkee



Roll No: NPTEL21ME83S14150020

To validate and check scores: <https://npTEL.ac.in/noc>

Mr. K.M. Zala and Mr.D.D.Chhaiya is awarded for "TOPPER" in the NPTEL online certification course of Product Design and Development (Jul-Aug 2021) conducted by IIT Roorkee



## 16. COURSE CURRICULUM DEVELOPMENT COMMITTEE

### GTU Resource Persons

S.No.	Name and Designation	Institute	Contact No.	Email
1	Mr. M.D.Naraniya, Lecturer in Mech. Engg.	Government Polytechnic, Jamnagar	9726716135	naraniya98@gmail.com
2	Mr. P.C. Chavda, Lecturer in Mech. Engg.	AV Parekh Technical Institute, Rajkot	9978816965	pragneshchavda91@gmail.com
3	Dr. S.S. Sonigra, Lecturer in Mech. Engg.	Government Polytechnic, Rajkot	9427322129	ssonigra@gmail.com
4	Dr. H.R. Sapramer HOD, Mech. Engg.	Dr. J.N.Mehta Polytechnic, Amreli	9426587197	merhamir@gmail.com

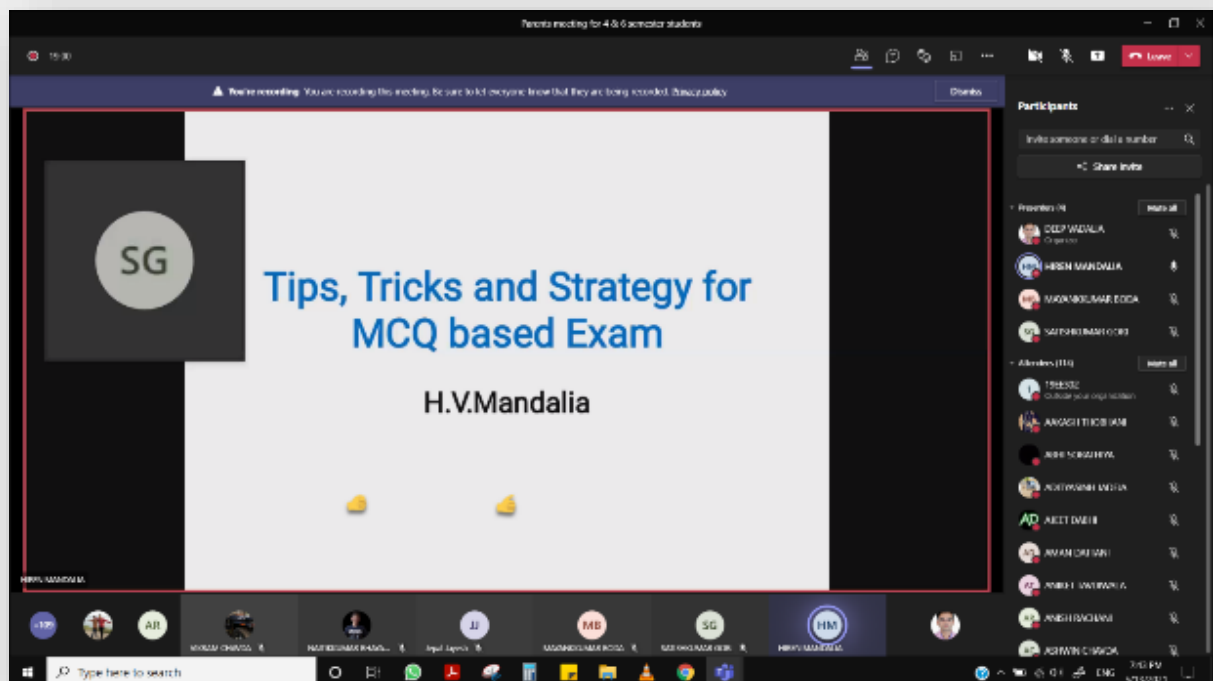
### NITTR Resource Persons

S.No.	Name and Designation	Department	Contact No.	Email
1	Dr. Sharad K. Pradhan, Associate Professor	Mech. Engg. Education	9300802353	spradhan@nittrbpl.ac.in
2	Dr. K.K. Jain, Professor	Mech. Engg. Education	9425017472	kkjain@nittrbpl.ac.in

Mr. M.D.Naraniya was one of the member of **course curriculum development committee (GTU)**

1.Engineering Drawing (4300007)

2. Basic Engineering Drawing and Graphics (4300013)



Webinar on **Tips, Tricks and Strategy for MCQ Based Exams** and Parents Faculty Interaction was conducted by Head of Mechanical Department in coordination with department faculty members on 13<sup>th</sup> May, 2021

# Students' Achievement

SHANTI EDUCATION SOCIETY'S  
**A.G. PATIL POLYTECHNIC INSTITUTE, SOLAPUR (MAHARASHTRA)**  
Pratap Nagar, Opp, SRP Camp, Vijapur Road, Solapur.  
(Four Programs NBA Accredited)  
Organized



**11<sup>th</sup> National Level Technical Paper Presentation**  
**CERTIFICATE**

This is to certify that **Mr. / Ms. Bhayani Naitikkumar Jigneshbhai** of **Government Polytechnic, Jamnagar** of has **Participated** in 11<sup>th</sup> National Level Technical Paper Presentation "**Annum 2K21**", held on 5<sup>th</sup> June 2021 in Online mode organized by A. G. Patil Polytechnic Institute, Solapur.

  
Mr. S. R. Dawankar  
Convenor

  
Mr. J. M. Jaketia  
Vice Principal

  
Dr. M. A. Chougule  
Principal

Certificate No. AGPPI-ANNUM-6943-01-60

SHANTI EDUCATION SOCIETY'S  
**A.G. PATIL POLYTECHNIC INSTITUTE, SOLAPUR (MAHARASHTRA)**  
Pratap Nagar, Opp, SRP Camp, Vijapur Road, Solapur.  
(Four Programs NBA Accredited)  
Organized



**11<sup>th</sup> National Level Technical Paper Presentation**  
**CERTIFICATE**

This is to certify that **Mr. / Ms. Jethva Vishal Pravinbhai** of **Government Polytechnic, Jamnagar** of has **Participated** in 11<sup>th</sup> National Level Technical Paper Presentation "**Annum 2K21**", held on 5<sup>th</sup> June 2021 in Online mode organized by A. G. Patil Polytechnic Institute, Solapur.

  
Mr. S. R. Dawankar  
Convenor

  
Mr. J. M. Jaketia  
Vice Principal

  
Dr. M. A. Chougule  
Principal

Certificate No. AGPPI-ANNUM-6943-01-60

Mr. Bhayani Naitik and Mr. Jethva Vishal students from final year participated in national level paper presentation organized by A.G. Patil Polytechnic Institute, Solapur.

## NEWSLETTER COMMITTEE



### Editor

Mr. Murtuza Kadiyani  
Student in Mechanical Engineering



### Co-editor in Chief

Mr. Vaibhav R. Maniyar  
Lecturer in Mechanical Engineering



### Editor in Chief

Mr. Deep D. Vadaliya  
Lecturer in Mechanical Engineering



### Design officer

Mr. Manish D. Naraniya  
Lecturer in Mechanical Engineering



VOLUME 15 | ISSUE: August 2021