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PIERC
Parul Innovation & Entrepreneurship Research Centre

9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

INSTITUTION'S INNOVATION COUNCIL
(Ministry of Education Initiative)

SSIP

# Civil Engineering Department, PIT, Parul University

In Association With Parul Innovation And Entrepreneurship Research Centre (PIERC) Organizes An Expert Session On The Occasion Of

# WORLD ENTREPRENEURS DAY

## Expert Session On

## Innovation and Sustainability

*by*

## Prof. Mamata Rajgor

Assistant Professor, PIT

**22nd August, 2025**
01:30 PM Onwards

**314 Classroom, Second Floor**
Parul Institute of Technology

**Faculty Coordinator**

**Prof. Mamata Rajgor**
Assistant Professor, PIT

**Convenor**

**Dr. Swapnil M Parikh**
Principal, PIT

**Prof. Shilpa Pathak**
HOD, CE, PIT

Report on

# Expert Talk on "Innovation and Sustainability: A Path to a Better Future"

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|---|---|---|---|
| **ACTIVITY TYPE** | Expert Talk on "Innovation and Sustainability: A Path to a Better Future" | | |
| **DATE & TIME** | 22/08/2025 | Duration | 1 Day |
| **SEMESTER** | 1st | No. of participants | 45 |
| **EXPERT NAME WITH DESIGNATION** | Asst.Prof. Mamata Rajgor | | |

## Introduction

An expert talk on "Innovation and Sustainability: A Path to a Better Future" was delivered by Asst. Prof. Mamata Rajgor on 22nd August 2025 at Parul Institute of Technology, Vadodara. The session aimed to provide students with a comprehensive understanding of how innovation and sustainable practices can address modern challenges while fostering long-term economic growth and environmental stewardship. The talk was designed to create awareness among students about the significance of integrating innovative strategies with sustainability, highlighting real-world practices, technologies, and policies that can shape a better future.

## Objectives of the Session

- To introduce the concept of innovation in sustainability and its importance.
- To explore current trends and sustainable practices in industries.
- To highlight innovative technologies such as renewable energy, smart agriculture, and waste reduction systems.
- To discuss future trends, challenges, and the role of policy in driving sustainable innovation.
- To motivate students to think critically about their role in contributing to sustainable development.

## Learning Outcomes

By the end of the session, attendees gained:

- 1. Innovation in Sustainability
- - Defined as the development of new products, processes, or ideas that meet societal needs while preserving ecological balance.
  - Historical evolution of sustainability and its growing importance in modern businesses.
  - Current trends include artificial intelligence, renewable energy adoption, and circular economy models.
- 2. Sustainable Practices in Business
- - Green Manufacturing: Minimizing waste and emissions, maximizing energy efficiency.
  - Circular Economy: Reuse, remanufacture, and recycle to reduce waste.
  - Case Studies: Patagonia's eco-friendly materials and IKEA's renewable energy commitment as benchmarks.
- 3. Innovative Technologies for Sustainability
- - Renewable Energy: Solar, wind, and hydro solutions reducing dependency on fossil fuels.
  - Smart Agriculture: Use of IoT, drones, and data analytics for precision farming and soil health management.
  - Waste Reduction: Composting systems, biotechnologies, and automated sorting for sustainable waste management.
- 4. Future of Innovation and Sustainability
- - Emphasis on renewable energy expansion, sustainable supply chains, and AI-based resource management.
  - Challenges: financial limitations, organizational resistance, and regulatory barriers.
  - Role of governments: providing incentives, policies, and frameworks to support sustainable innovation.

## Learning Outcomes

- Understood the importance of innovation in promoting sustainability.
- Gained knowledge of global sustainable practices and technologies.
- Learned how businesses integrate sustainability to build competitive advantage.
- Recognized the challenges and barriers in adopting sustainable innovations.
- Were motivated to incorporate sustainable thinking in their academic and professional pursuits.

## Conclusion

- The expert talk by Asst. Prof. Mamata Rajgor successfully bridged the gap between theoretical knowledge and practical applications of innovation in sustainability. The session inspired students to explore sustainable solutions in their academic projects and future careers, emphasizing the responsibility of engineers and technocrats in shaping a sustainable world.

  The program concluded with an interactive Q&A session, where students discussed possible innovations in their respective fields. Overall, the session was highly engaging and impactful.

## Glimpses of the Program


GPS Map Camera
वड़ोदरा, गुजरात, भारत
79p7+fpm, वड़ोदरा, गुजरात 391760, भारत
Lat 22.285819° Long 73.364379°
22/08/2025 01:34 PM GMT +05:30
Google


GPS Map Camera
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79p7+fpm, वड़ोदरा, गुजरात 391760, भारत
Lat 22.28585° Long 73.36435°
22/08/2025 01:34 PM GMT +05:30
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Expert Talk
on
Innovation and Sustainability:
A Path to a Better Future
Prepared By
Asst. Prof. Mamata Rajgor
Civil Engineering Department, PIT
GPS Map Camera
वड़ोदरा, गुजरात, भारत
79p7+fpm, वड़ोदरा, गुजरात 391760, भारत
Lat 22.285775° Long 73.364364°
22/08/2025 01:39 PM GMT +05:30
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PARUL UNIVERSITY

COLLEGE NAME: PIT

DEPARTMENT NAME: Civil Engineering Department

DATE : 22/08/2025 TIME: 1:30 PM onwards

TITLE OF THE PROGRAM: Expert talk on Innovation & Sustainability

| SR.NO | EN.NO | NAME OF THE STUDENTS/FACULTY | SIGNATURE |
|---|---|---|---|
| 1 | 25UG450033 | Jay vasava | Jay. |
| 2 | 25UG450048 | Raj Ba Parthsinh | RP |
| 3 | 25UG450197 | Parth Shimpi | Parth |
| 4 | 25UG450268 | sivaraj bhanu sinh | bh.A.sivaRaj |
| 5 | 25UG450290 | Tamboli Megh | Megh |
| 6 | 25UG450275 | SELOT AJAYSINH | Ajay |
| 7 | 25UG450260 | Harshad popatani | |
| 8 | 25UG450209 | Patel Bhavik | |
| 9 | 25UG450231 | chauhan Vedant | |
| 10 | 25UG450246 | Ravaji Durgesh | Ravaji |
| 11 | 25UG450065 | Parmar Jay | Jay |
| 12 | 25UG450245 | Shiv v. Yadav | |
| 13 | 25UG450227 | Vunkar Arpit | A. J. Vunkar |
| 14 | 25UG450284 | Bariya Ronak | B. R. B |
| 15 | 25UG450289 | PATHAN SUHEL KHAN | Suhel |
| 16 | 25UG450196 | Rudra. A. Bendugade | |
| 17 | 25UG450269 | chauhan smeet D. | Smit. |
| 18 | 25UG450278 | Rana maharaj sinh B. | MAHAVIR. |
| 19 | 25UG450224 | Patel Het. N | Het |
| 20 | 25UG450215 | Devraj Solanki | Devraj |
| 21 | 25UG450230 | Prajapati AAYUSH K. | AAYUSH K. |
| 22 | 25UG450259 | Rohit Bagat R. | SR. Rohit |
| 23 | 25UG450264 | Rohit Yuvraj S. | Yuvraj. |
| 24 | 25UG450225 | Fesina Solanki | |
| 29 | 25UG450277 | Rishika Patel | Patel. |
| 26 | 25UG450249 | Pathan Nauman khan | Nauman |
| 27 | 25UG450236 | Rohit Dhruv | Dhruv. |
| 28 | 25UG450255 | Bhuliya Darshan | D.S Bhuliya |
| 29 | 25UG450270 | Rabari meet. R. | |
| 30 | 25UG370125 | Monank Doshi (Agri) | |
| 31 | 25UG370144 | Mantram Jain (Agri) | Mantra |
| 32 | 25UG370044 | Pratik Dhoge (Agri) | P.M. Dhoge |
| 33 | 25UG370036 | Uddipon Borah (Agri) | Uddipon |
| 34 | 25UG370010 | Bhargav Singh (Agri) | |

| | | | |
|---|---|---|---|
| | 25UG4S0029 | | |
| 35 | ~~25UG4S029~~ | Shravan. S. Babar | Babar |
| 36 | 25UG4S0038 | Parmar Jashraj Sinh | Jashraj. |
| 37 | 25UCTH50272 | Patel Nimit | Nimit |
| 38 | 25UG4S0216 | Parmar Kartik | |
| 39 | 25UG370280 | Shivraj (Agri) | |
| 40 | 25UG370138 | K Lalith Singh (Agri) | K. Lalith Singh |