Trainings on Environmental Aspects of Sustainability for Staff Members of the A.Y. 2024-25

Title of activity	Objectives	Date
Application of AI & ML on Renewable Energy and EV Technologies (AAMREET-2024)	To introduce AI/ML techniques that enhance renewable energy and EV systems. To build skills for applying intelligent models to optimize clean energy solutions.	08-Jun-2024 to 12-Jun-2024
"GO ELECTRIC" Campaign Awareness Workshop on Electric Vehicles	To create awareness about the benefits and functioning of electric vehicles. To encourage the shift towards clean mobility for reduced carbon emissions.	12-Jul-2024
Technology Colloquium - Technologies for Energy Transition & Sustainable Grid	To discuss advanced technologies aiding global energy transition. To build understanding of smart grid systems that support sustainable energy distribution.	30-Jul-2024
Bio-fertilizers: The Future Of Better Agricultural Practices & Agro-Entrepreneurship	To introduce the role of bio-fertilizers in sustainable farming. To encourage agro-entrepreneurship through eco-friendly agricultural technologies.	10-Aug-2024
The Production of Hydrogen Energy and Its Applications	To explain methods of hydrogen production and its technological uses. To encourage adoption of hydrogen as a sustainable alternative fuel source.	12-Aug-2024
Sustainable Design Practices	To explore sustainable design principles in architecture and interior practices. To encourage eco-conscious material usage and energy-efficient designs.	08-Sep-2024
Production and Utilization of Green Hydrogen	To provide technical knowledge on producing and applying green hydrogen. To enable participants to evaluate hydrogen's potential as a clean energy vector.	13-Sept-2024
Green Hydrogen Plant Entrepreneur	To guide participants on establishing and operating green hydrogen plants. To promote entrepreneurship in the growing green energy sector.	18-Sept-2024 to 19-Sept-2024
Smart and Sustainable Strategy for Renewable Energy and E-mobility (SUSTAIN-E 2024)	To explore smart strategies integrating renewable energy and e-mobility. To encourage sustainable adoption of clean technologies in transport and energy.	23-Sept-2024 to 27-Sept-2024

Sustainable Pest Management using ITK	To promote traditional and eco-friendly pest control techniques. To reduce dependency on chemical pesticides and support sustainable agriculture.	26-Oct-2024
Emerging Technologies in Power Energy: Shaping the Future of Sustainable Solutions	To examine modern technologies transforming power generation and distribution. To promote sustainable practices in the energy sector.	19-Nov-2024 to 23-Nov-2024
Exploring the Environmental Impact of Tea and Coffee Consumption: Sustainable Practices and Waste Management Solutions	To assess the environmental footprint of tea and coffee production and consumption. To promote sustainable waste management and eco-friendly consumption practices.	23-Nov-2024
Advanced Materials and Emerging Technologies: From Electronics to Sustainable Energy Solutions	To highlight new materials driving innovation in energy-efficient technologies. To enhance understanding of materials used in next-generation sustainable energy systems.	25-Nov-2024 to 28-Nov-2024
PRISM: Promoting Renewable Integration with Sustainable Mobility in Smart Cities	To understand the integration of renewable energy with urban mobility systems. To promote smart city solutions focusing on sustainability and reduced carbon footprint.	2-Dec-2024 to 7-Dec-2024
Energy Efficiency and Renewable Energy	To educate participants on methods to improve energy efficiency. To promote the adoption of renewable energy for sustainable development.	13-Dec-2024
Future Prospects in Renewable Energy and Waste Heat Recovery Systems	To explore advancements in renewable energy and heat recovery technologies. To promote techniques that improve energy efficiency and sustainability.	17-Dec-2024 to 21-Dec-2024
The Role of Chemistry in plantation management and sustainability	To understand the application of chemistry in sustainable plantation practices. To promote eco-friendly use of fertilizers and pest control methods.	28-Dec-2024
Modern Agriculture Expo and Integrated Farming Seminar	To introduce sustainable agricultural practices and integrated farming systems. To promote resource-efficient, eco-friendly methods that enhance farm productivity.	03-Jan-2025 to 04-Jan-2025
Training on Sustainability Innovation Trends in Civil Engineering	To identify innovative sustainable practices in civil engineering. To promote eco-friendly construction and resource-efficient infrastructure development.	10-Mar-2025 to 15-Mar-2025
Energy Evolution: Conservation and Renewable Energy Strategies	To explore innovative strategies for energy conservation and renewable adoption. To encourage participants to implement sustainable energy solutions.	01-May-2025

Workshop on “Microbial Cells as Green Bio-foundries for Therapeutics and Environmental Remediation”	To understand the role of microbial cells in sustainable therapeutics. To explore eco-friendly solutions for environmental remediation.	11-April-2026

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Trainings on Environmental Aspects of Sustainability for Students of the A.Y. 2024-25.

Title of activity/event	Objectives	Date
Training on “3R Waste Management: Reduce, Reuse, Recycle in Practice”	To educate participants about sustainable waste management techniques and promote the 3Rs for a cleaner environment.	3-June-2024
Plantation Drive - World Environment Day	To promote tree plantation and environmental conservation. To encourage community participation for a greener campus.	5-June-2024
World Environment Day- 2024	To raise awareness about environmental protection. To inspire sustainable lifestyle practices.	5-June-2024
Poster making Competition on the Occasion of World Environment Day	To encourage creativity on environmental themes. To spread awareness through visual communication.	5-June-2024
World Environment Day Plantation Drive	To enhance green cover through plantation activities. To motivate students towards ecological responsibility.	11-June-2024
Sustainable Development in Tourism and Hospitality	To understand eco-friendly tourism practices. To promote sustainable hospitality management.	01-Aug-2024
Role of Civil Engineering in Green Hydrogen Projects	To highlight civil engineering contributions in green hydrogen infrastructure. To enhance understanding of sustainable energy project requirements.	05-Aug-2024

Climate Change - Adaptation and Mitigation through Design	To introduce design-based strategies that address climate change challenges. To build skills for creating adaptive and sustainable design solutions.	02-Sept-2024
Sustainable & Smart Buildings - An important role of Security, Fire Safety & Building Automation systems	To understand sustainable and smart building technologies. To highlight the role of safety, automation, and energy efficiency in buildings.	03-Sep-2024
Engineering Solution for a Sustainable World	To explore innovative engineering solutions for sustainability. To promote technology for environmental challenges.	13-Sept-2024
Sustainability: A New Constant	To understand the importance of sustainability in daily life. To encourage long-term responsible practices.	24-Sept-2024
Rehabilitation of Degraded Lands through Bioengineering Measures	To study bioengineering techniques for land restoration. To promote sustainable land management.	14-Oct-2024
Sustainable Planning of Palanpur City	To understand key principles of sustainable urban planning for Palanpur City. To promote eco-friendly, inclusive, and resilient city development strategies.	28-Nov-2024
Brainstorming Session on Sustainable Solutions to Pollution-A Modern-Day Epidemic	To generate practical ideas to reduce modern-day pollution. To encourage collaborative thinking for cleaner, healthier environments.	02-Dec-2024
Training on Energy Conservation & Audit	To analyse energy consumption patterns. To suggest measures for energy savings.	12-Dec-2024 to 20-Dec-2024
Energy Efficiency & Renewable Energy	To explore renewable energy technologies. To promote efficient energy usage.	13-Dec-2024
Training on basis of ECBC and Equest on National Energy Conservation Day	To understand energy-efficient building codes. To promote energy conservation in construction.	14-Dec-2024
Sustainable Solutions: Hands on Training in Environmental and Chemical Techniques	To develop practical skills in environmental analysis techniques. To promote sustainable chemical handling and practices.	16-Dec-2024 to 20-Dec-2024

Seeds of Hope and Action exhibition based on Sustainability	To showcase sustainable ideas and innovations. To inspire action towards a better future.	7-Jan-2025
Four-week Training-cum-internship on “Skill Development in Waste Management and Vermicomposting Techniques”	To develop skills in waste management techniques. To promote organic waste recycling practices.	20-Jan-2025 to 15-Feb-2025
Skill Enhancement Training on Plasticulture Applications for Sustainable Agriculture at PDC Reliance	To enhance knowledge of plasticulture in agriculture. To promote efficient water usage and improved crop productivity.	22-Jan-2025
Driving towards a Greener Tomorrow	To promote sustainable development goals. To encourage environmental responsibility.	14-Feb-2025
The role of EPR in Sustainable Development.	To understand the concept of Extended Producer Responsibility (EPR) in waste management. To promote sustainable production and circular economy practices.	20-Feb-2025
Segregate Your Waste - Awareness and Action for a Cleaner Tomorrow	To educate about waste segregation at source. To promote effective waste management practices.	20-Mar-25
Training session on Energy Conservation	To enhance knowledge on energy-saving techniques. To promote sustainable energy practices.	01-Apr-2025
Awareness Campaign on "Environmental Sanitation"	To educate communities on sanitation practices. To promote hygiene and environmental health.	09-Apr-2025

PARUL UNIVERSITY
FACULTY OF AGRICULTURE
COLLEGE OF AGRICULTURE

A Report of Pedagogy Session on

Sustainable Pest Management Using ITK

26th October, 2024

Organizing Secretary:

Dr. Roma Tandel

Assistant Professor,
Department of Entomology,
College of Agriculture,
Parul University

Organized by

College of Agriculture, Faculty of Agriculture,

Parul University, Limda, Vadodara

PARUL UNIVERSITY
Faculty of agriculture
college of agriculture

SATURDAY
26
OCT

ORGANISES PEDAGOGY SESSION ON SUSTAINABLE PEST MANAGEMENT USING ITK

DR. ROMA TANDEL
email : roma.tandel53728@paruluniversity.ac.in

College of Agriculture, Faculty of Agriculture, Parul University

Organized

Pedagogy Session

on

"Sustainable Pest Management Using ITK"

Saturday, October 26th 2024

College of Agriculture, Faculty of Agriculture, organized a pedagogy session on "Sustainable Pest Management Using ITK" on October 26th, 2024. As we know, pedagogy is a form of representation of ideas, explanations, and ways of formulating and conveying the contents to the students for their understanding. The pedagogy as a combination of content and knowledge that is a special form of professional understanding of teachers. Pedagogy is an idea that is rooted in the belief that the learning process requires more than just providing learning content to students, and students learn more than simply absorbing information. Ways of doing content analysis, ways of writing learning outcomes, details of prerequisites, the teaching learning processes including the teaching learning resources and environmental inputs, enrichment activities, techniques that can be employed for assessment purpose. The chairperson of this event was Dr. K.G. Patel and total 13 teaching staff participated in this event.

Objective of the Pedagogy session:

- To anticipate comprehensive instructional objectives appropriate to each component of the content and the developmental level of the learners.
- To identify the pre-requisites essentially needed for assimilating the curricular materials and experiences
- To enumerate comprehensively the inputs that might be required for effective curriculum transaction and to adopt strategies for pooling the inputs.
- To design stage-appropriate, content appropriate and objective based learning experiences by which the inputs could be processed and objectives realized.

Activity Report

INSTITUTE	Parul Institute of Architecture and Research		
DEPARTMENT	Architecture		
ACTIVITY TYPE	Seminar		
TITLE OF ACTIVITY	Seminar on Sustainable design practices by Mona Doctor Pingel, Auroville		
EXPERT NAMES	Mona Doctor Pingel, Auroville		
DATE	8th sept 2024	**DURATION**	1 day
CONDUCTED BY	Ar. Koyel Atta, Ar. Parul Uttam		
FACULTY COORDINATOR	Ar. Maulik Hajarnis		
SDG	SDG-11- Sustainable cities and Communities		

Activity Details:

On the occasion of Architecture Day, a highly informative and inspiring **"seminar"** was conducted by Mona Pingel, focusing on **sustainable design practices** in modern architecture. During the session, she emphasized the importance of eco-friendly materials, energy-efficient technologies, and innovative construction methods to create sustainable and resilient structures. Her engaging presentation not only provided valuable insights into the principles of green architecture but also motivated students to embrace sustainable approaches in their future projects.

Details about the activity:

Following the seminar, an **interactive question-and-answer session** was conducted, allowing faculties to engage directly with Mona Pingel. Students posed insightful questions about sustainable design principles, practical implementation challenges, and career opportunities in eco-friendly architecture. Mona Pingel provided detailed responses, clarifying concepts and offering valuable advice.

Outcome:

- The session significantly enhanced understanding of **sustainable design principles** and their application in modern architecture.
- Mona Pingel 's detailed responses addressed various queries, encouraging critical thinking and deeper exploration of **eco-friendly construction methods.**
- She also shared insights about **Auroville**, an experimental township known for its **innovative and sustainable architectural practices**.
- Participants' learned how Auroville utilizes **natural materials, rainwater harvesting systems, solar power technologies**, and **community-driven designs** to create self-sustaining structures.
- The discussion inspired to explore such concepts further and apply similar techniques in their future projects.
- Additionally, the session boosted their confidence to actively participate in architectural dialogues and seek expert guidance, fostering a more **interactive and knowledge-sharing environment** focused on sustainable development.


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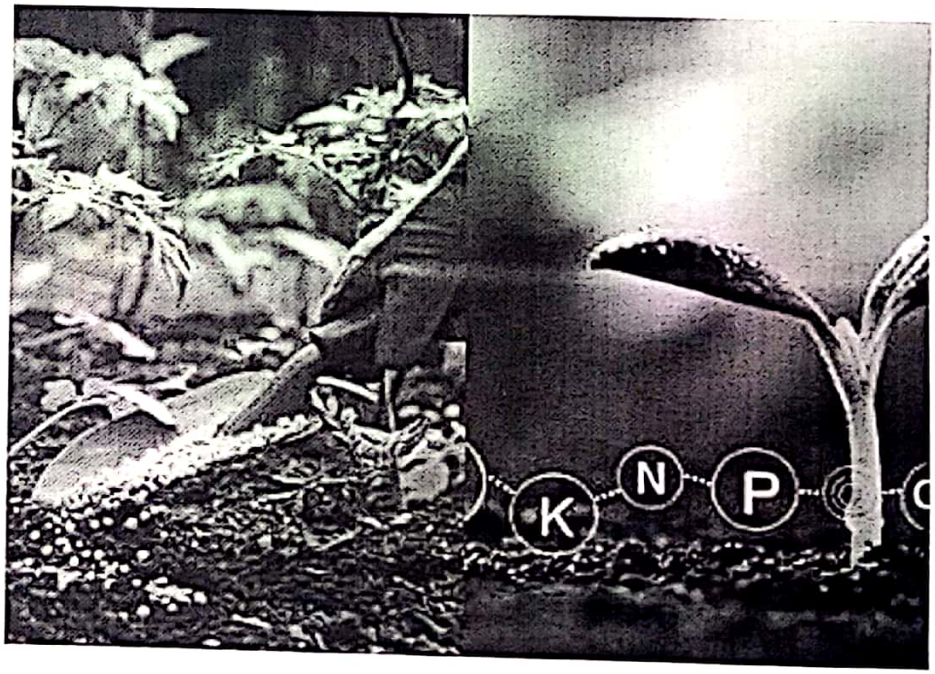
PARUL INSTITUTE OF APPLIED SCIENCES(PIAS)

PEDAGOGY SESSION FOR TEACHING STAFF

NAME OF THE TOPIC: The Role of Chemistry in plantation management and sustainability
NAME OF EXPERT: Ms. Unnati Patel
DATE: 28-12-2024
AUDIENCE: Department of Chemical Science
VENUE: Room No. 309



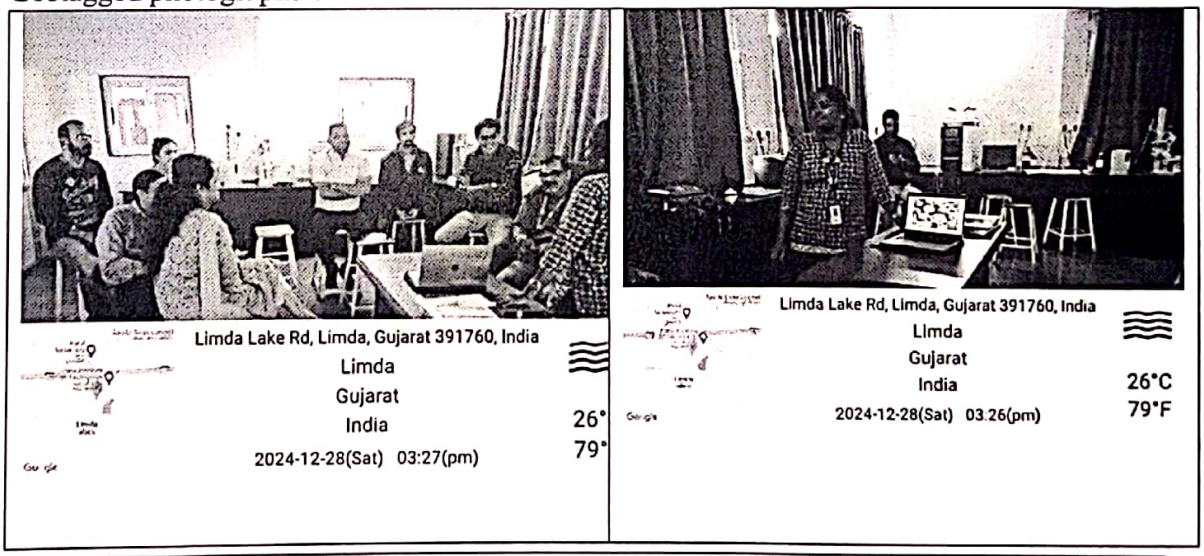
PARUL UNIVERSITY

FACULTY OF APPLIED SCIENCES

PARUL INSTITUTE OF APPLIED SCIENCES

PEDAGOGY SESSION REPORT FOR TEACHING STAFF

Date: 28-12-2024
Name of Coordinator: Dr. Jiten Chudasama
Name of the Expert: Ms. Unnati Patel
Department: Chemical Sciences
Subject: Agronomy
Topic: The Role of Chemistry in plantation management and sustainability
Objective: To explore the critical role of chemistry in optimizing plantation management practices, enhancing crop yields, mitigating environmental impacts, and promoting sustainable agricultural systems.
Faculty of Applied Science organizes pedagogy session for teaching faculties on every Saturday during academic session throughout the semester except on holidays.
Ms. Unnati Patel has shared his expertise on "The Role of Chemistry in plantation management and sustainability"
Chemistry plays a pivotal role in optimizing plantation management, from understanding soil fertility and plant nutrition to developing sustainable pest control strategies and minimizing environmental impact.
Outcome of pedagogy: To explore the critical role of chemistry in optimizing plantation management practices, enhancing crop yields, mitigating environmental impacts, and promoting sustainable agricultural systems.
Geotagged photographs of event



Faculties attending meeting for pedagogy session on The Role of Chemistry in plantation management and sustainability

Micro-Nano Research and Development Centre, Parul University

Organized

Workshop on Microbial Cells as Green Bio-foundries for Therapeutics and Environmental Remediation

On

11th April 2026

What if the solution to some of our biggest health and environmental challenges was already living all around us?

That question sat at the heart of our One-Day Workshop on Microbial Cells as Green Bio-foundries for Therapeutics and Environmental Remediation, held on 11th April 2026 at the Micro-Nano Research & Development Center, Parul University.

We were honoured to have Dr. Gunjan Sharma, Assistant Professor, Department of Plant Biotechnology, Gujarat Biotechnology University, GIFT City, Gandhinagar, as our guest speaker, along with Dr. Anupam Jyoti, Associate Professor, PIAS. They explored the science behind how certain microbial compounds interact with the human immune system with our students.

Across the day, participants attended expert sessions, stepped into research lab, gained insights into specialised equipment from our research cadres, and walked away with learnings that no standard curriculum could provide.

At MNRDC, we believe that research literacy begins not in postgraduate programmes, but on the day a student first encounters real science in a real lab. This workshop was one more step in that direction.

Coordinators:

Dr. Juhi Saxena & Dr. Anwesha Khanra

Research Cadres:

Dr. Mahendra Singh Rathore, Dr. Vishal Mehta, Dr. Meenu Khan, Dr. Anwesha Khanra, and Dr. Mohit Tannarana

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MICRO - NANO
RESEARCH & DEVELOPMENT CENTER

One Day Workshop on Microbial Cells as Green Bio-foundries for Therapeutics and Enviromental Remediation

Date
Saturday
11 April, 2026

Time
10:00 AM to
4:00 PM

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MICRO - NANO
RESEARCH & DEVELOPMENT CENTER

Introduction to Microbial cells as Green Bio-foundries for Therapeutics and Environmental Remediation

INTRODUCING THE SPEAKER

DR. GUNJAN SHARMA

Assistant Professor,
Department of Plant Biotechnology,
GBU, Gandhinagar

Coordinators

Dr. Juhi Saxena
Associate Professor (Research Cadre),
Micro-Nano R&D Center &
Parul Institute of Technology

Dr. Anwesha Dey
Assistant Professor (Research Cadre),
Micro-Nano R&D Center &
Parul Institute of Technology

10:30 AM TO
12:30 NOON

Saturday
11 April, 2026

Colab Space
Micro-Nano R&D Center

micronanornd.paruluniversity.ac.in


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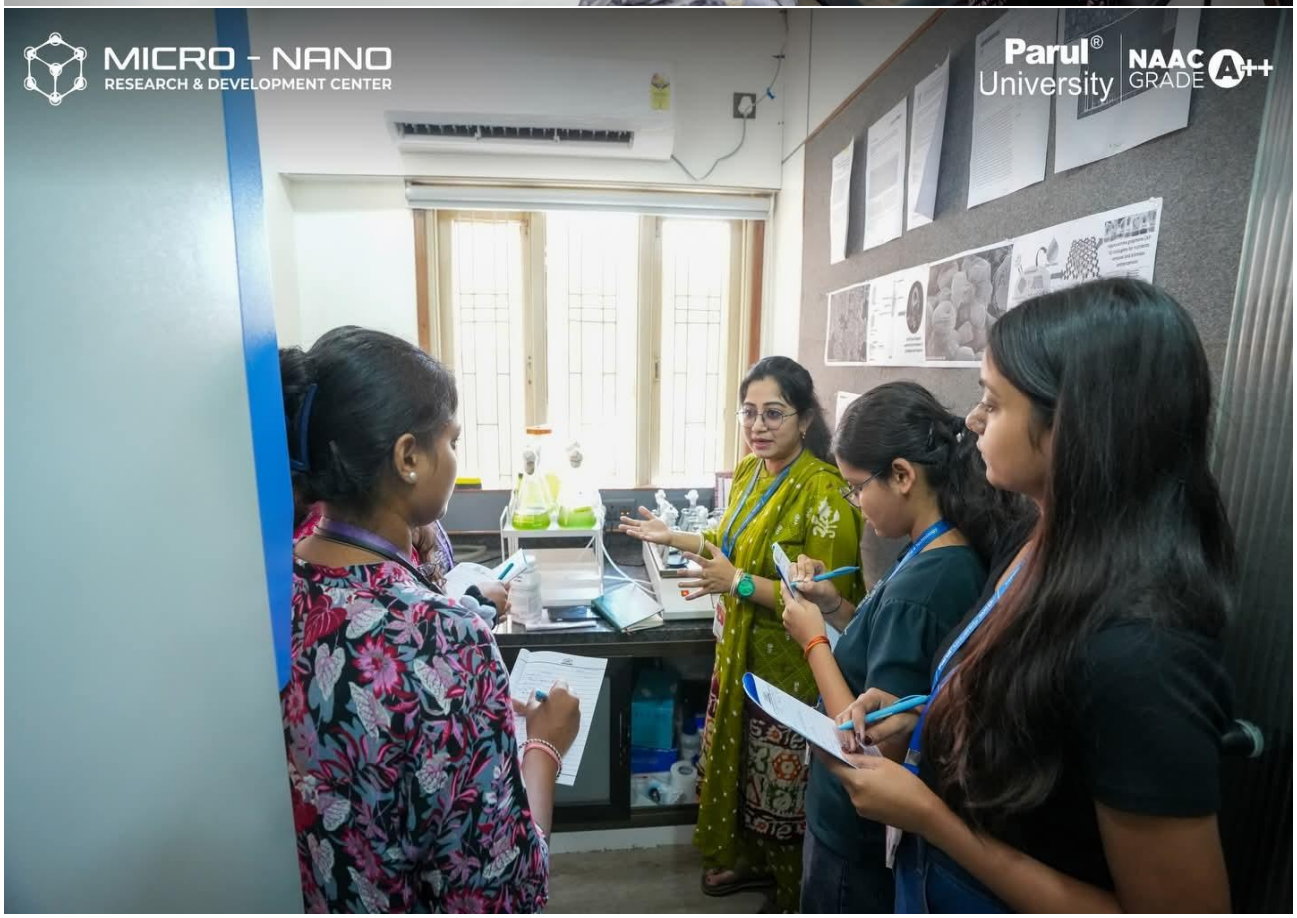
What is an electron microscope?
Target Research Sectors
Material Science
Energy
Engineering
Pharmaceutical Science
Semiconductor Technology
nirf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A Report on

Four-week Training-cum-internship

on

"Skill Development in Waste Management and Vermicomposting Techniques"

In collaboration with

Neera Organic

20th January to 15th February, 2025

योगः कर्मसु कौशलम्

PARUL UNIVERSITY

Organizing Secretary:

Dr. Rutul Patel
Assistant Professor
Department of Agronomy,
College of Agriculture, Parul University

Dr. Sunil Chaudhari
Assistant Professor
Department of Agronomy,
College of Agriculture, Parul University

Organized by

College of Agriculture, Faculty of Agriculture

Parul University, Limda, Vadodara

COLLEGE OF AGRICULTURE
VADODARA

Parul University

Faculty of Agriculture
College of Agriculture

Organized

Four-week Training-cum-internship

on

"Skill Development in Waste Management and Vermicomposting Techniques"

20th January to 15th February 2025

REPORT

INTRODUCTION

In response to the growing environmental concerns and the urgent need for sustainable waste management practices, the Department of [Insert Department Name], [Insert Institution Name], is organizing a Four-week Training-cum-Internship on "Skill Development in Waste Management and Vermicomposting Techniques." This comprehensive program aims to equip students, researchers, and aspiring environmental professionals with practical knowledge and hands-on experience in managing organic waste through eco-friendly methods.

The training is designed to enhance participants' understanding of the current challenges in solid waste management, particularly in agricultural and urban settings. It will cover essential topics such as waste segregation, recycling practices, composting methods, and the biology and operation of vermicomposting systems. Through expert lectures, field demonstrations, and real-time project work, participants will gain critical insights into the effective conversion of biodegradable waste into nutrient-rich compost using earthworms.

The internship component will offer participants the opportunity to work on live projects, develop their skills in planning and executing waste management strategies, and contribute to creating sustainable solutions for local communities. This program not only fosters technical competence but also encourages entrepreneurial thinking, empowering participants to explore green business models in waste management and organic farming.

COLLEGE OF AGRICULTURE VADODARA

With an emphasis on both theoretical and practical learning, this training-cum-internship will serve as a valuable platform for skill enhancement, knowledge building, and career development in the field of environmental sustainability.

Objective:

- To impart theoretical and practical knowledge on solid waste management, with a focus on sustainable and eco-friendly techniques such as composting and vermicomposting.
- To develop hands-on skills in the construction, maintenance, and operation of vermicomposting units for the effective recycling of organic waste.
- To create awareness about the environmental and economic benefits of proper waste management and its role in promoting sustainable agriculture and rural livelihoods.
- To encourage entrepreneurship and innovation by guiding participants on how to establish small-scale waste management and vermicomposting enterprises.
- To provide internship-based exposure through real-time projects and field activities, enabling participants to apply their knowledge in practical settings and contribute to community-based waste solutions.

Outcomes of the Session:

- Student gains practical knowledge and technical skills in waste segregation, composting, and vermicomposting techniques through hands-on training and field exposure.
- Student develops an in-depth understanding of sustainable waste management practices and their applications in agriculture and environmental conservation.
- Students acquire the ability to design and manage small-scale composting and vermicomposting units, suitable for both rural and urban settings.
- Students enhance entrepreneurial thinking by exploring opportunities to convert organic waste into value-added products like vermicompost and organic fertilizers.
- Students complete a certified internship, boosting their academic profile and employability in sectors related to agriculture, waste management, and environmental sustainability.

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AT. & PO. LIMDA, TAL. WAGHODIA
VADODARA

Brochure:

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College of Agriculture

Organises

FOUR-WEEK
TRAINING-CUM-INTERNSHIP ON
SKILL DEVELOPMENT IN WASTE MANAGEMENT AND VERMICOMPOSTING TECHNIQUES

in collaboration with **Neera Organic**

20th January to
15th February 2025

Neera Organic, Chansad,
Padra, Vadodara

COLLEGE OF AGRICULTURE
VADODARA

Program Schedule

Week	Lecture Topic	Hands-On Activity	Date & Day	Time	Speaker name
1	Introduction to Agricultural Waste Management	Identifying different types of agricultural waste	20/01/2025 (Monday)	8.30 AM to 2.30 PM	Mr. Rajesh Bhatt
1	Overview of Vermicomposting Techniques	Setting up a basic vermicompost bin	21/01/2025 (Tuesday)	8.30 AM to 2.30 PM	Mr. Jeet Bhatt
1	Role of Earthworms in Soil Fertility and application of indigenous technical knowledge (ITK)	In-depth observation of earthworm behaviour	25/01/2025 (Saturday)	9.30 AM to 3.30 PM	Dr. Rutul Patel
2	Biological Processes in Vermicomposting and Benefits of Vermicomposting for Sustainable Agriculture	Collecting & layering feedstock materials and creating different vermicomposting setups	27/01/2025 (Monday)	8.30 AM to 2.30 PM	Mr. Rajesh Bhatt
2	Nutrient Cycling and Soil Health	Analysing nutrient content before and after composting	28/01/2025 (Tuesday)	8.30 AM to 2.30 PM	Dr. Swati Patel
2	Efficient Waste Segregation Techniques and integrated insect pest management	Hands-on waste sorting and integrated pest management techniques	01/02/2025 (Saturday)	9.30 AM to 3.30 PM	Dr. Roma Tandel
3	Monitoring and Managing the Vermicomposting Process	Weekly observation and log keeping	03/02/2025 (Monday)	8.30 AM to 2.30 PM	Mr. Jeet Bhatt
3	Enrichment of Trichoderma in vermicompost	Hands on training on Trichoderma enriched vermicompost	04/02/2025 (Tuesday)	8.30 AM to 2.30 PM	Dr. Mayur Thesiya
3	Challenges in Vermicomposting and Solutions	Group discussion and brainstorming solutions	08/02/2025 (Saturday)	9.30 AM to 3.30 PM	Dr. Sunil Chaudhari
4	The Economic Impact of Vermicomposting in Agriculture	Preparing a business model for composting	10/02/2025 (Monday)	8.30 AM to 2.30 PM	Mr. Rajesh Bhatt
4	Quality enhancement through Biofortification in Organic Waste Management	Methods of Quality enhancement through Biofortification in Organic Waste Management	11/02/2025 (Tuesday)	8.30 AM to 2.30 PM	Dr. Sunil Chaudhari
4	Future Trends in Waste Management and Sustainability	Forecasting and presentation of effective waste management strategies	15/02/2025 (Saturday)	9.30 AM to 3.30 PM	Dr. Rutul Patel

Group Photograph:

Coordinator
(Rutul Patel)

Coordinator
(Sunil Chaudhari)

Principal
(K. G. Patel)

Dean, Faculty of Agriculture and
Principal, College of Agriculture
Parul University, Vadodara.

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Parul Institute of Applied Sciences
Department of Earth and Environmental Science

EXPERT TALK ON
DRIVING TOWARDS A GREENER TOMORROW

14th February, 2025

02:45 Pm Onwards

Seminar Hall, PIAS

Mr. Sushil Reddy

IIT, Bombay Alumnus

Moderator

Dr. Pankaj Kumar
Head,
Department of Earth and Environmental Science

Coordinator

Dr. Pankaj Kumar & Dr. Apurva Sharma
Parul Institute of Applied Sciences,
Parul University

Activity report

DEPARTMENT		**EARTH AND ENVIRONMENTAL SCIENCE**		
ACTIVITY TYPE		**EXPERT TALK**		
ACTIVITY TITLE		**DRIVING TOWARS A GREENER TOMORROW**		
DATE & TIME		**14/02/2024** **03:00 PM to 04:30 PM**	**Duration**	**1.5 Hours**
SEMESTER		**B.Sc. Sem.- 2, 4, 6 and** **M.Sc. Sem.- 2, 4**	**No. of Students**	**45**
EXPERT NAME WITH DESIGNATION		**Mr. Sushil Reddy, IIT Bombay alumnus**		
EXPERT CONTACT DETAILS		**+919892528955**		
FACULTY COORDINATORS		**Dr Pankaj Kumar, Dr. Apurva Sharma**		
FACULTY CONTACT DETAILS		**Mobile No. – 9876755261**		
SPONSORING AUTHORITY	**-NA-**	**Sponsorship amount:**	**-NA-**	

Objective:

The expert talk on *Driving Towards a Greener Tomorrow* aimed to highlight the crucial role of electric vehicles (EVs) in fostering environmental sustainability and reducing our dependence on fossil fuels. It addressed the environmental impact of conventional fuel-based transportation, particularly its contribution to greenhouse gas emissions, air pollution, and climate change, while emphasizing how EV adoption can mitigate these issues. The session also focused on promoting sustainable transportation by showcasing the benefits of transitioning from internal combustion engine vehicles to EVs, aligning with global sustainability goals. Additionally, the talk explored technological advancements in EVs, including innovations in battery technology, charging infrastructure, and renewable energy integration, which are making electric mobility more efficient and accessible. Discussions also covered policy and market trends, examining government incentives, regulatory frameworks, and industry developments that are shaping the future of electric transportation. Furthermore, the session addressed challenges such as battery disposal, charging infrastructure expansion, and the sourcing of raw materials, while also highlighting opportunities for research, innovation, and job creation in the green economy. By providing a comprehensive understanding of these aspects, the expert talk aimed to inspire individuals, businesses, and policymakers to contribute toward a cleaner, more sustainable future.

Activity Details:

The Expert Talk on *"Driving Towards a Greener Tomorrow"* was organized by the Department of Earth and Environmental Science, Parul Institute of Applied Sciences, on February 14, 2025. The session commenced at 3:00 PM with the introduction of the guest speaker, Mr. Sushil Reddy, an IIT Bombay alumnus and a strong advocate for sustainable mobility. Mr. Reddy shared his insights on the role of EVs in reducing carbon emissions and promoting environmental sustainability. Following his presentation, Mr. Reddy provided a live demonstration of his electric vehicle, explaining its various components, including the battery system, motor, regenerative braking mechanism, and charging infrastructure. He highlighted the technological advancements that have made EVs more efficient and accessible, as well as the challenges associated with their widespread adoption. The session also covered government policies, market trends, and the future potential of EV technology in combating climate change. An interactive Q&A session allowed students and faculty to engage with Mr. Reddy, discussing practical aspects of EV adoption, research opportunities, and career prospects in the green energy sector. The event concluded with a felicitation ceremony, recognizing Mr. Reddy's contributions to sustainable transportation and his efforts in promoting a greener future.

Outcome of the session: The session deepened participants' understanding of electric vehicle technology, its environmental benefits, and the challenges of transitioning to sustainable mobility. It inspired attendees to explore opportunities in the EV sector and contribute to the global shift towards cleaner transportation solutions.

Glimpses of activity

Mr. Sushil Reddy discussing the importance of renewable energy driven initiatives

Participants of the expert talk

Glimpse of the demonstration of EV by the expert

Glimpse of the demonstration of EV by the expert