



INDIAN INSTITUTE OF TROPICAL METEOROLOGY (IITM), PUNE
ENVIRONMENTAL INFORMATION, AWARENESS, CAPACITY BUILDING AND
LIVELIHOOD PROGRAMME (EIACP)
PROGRAMME CENTRE - RESOURCE PARTNER (PC-RP)
(Ministry of Environment, Forest & Climate Change, Govt. of India)

January 2025 Report:

Mission LiFE: Sustainability and Awareness Activities



1. Name of the EIACP Centre:

Indian Institute of Tropical Meteorology, Pune

2. EIACP Hub or Resource Partner: EIACP Resource Partner

3. Month for which report is being submitted: January-2025

4. Summary of achievement:

In January 2025, IITM-EIACP Pune conducted several impactful activities under Mission LiFE, promoting environmental awareness and sustainability.

On 9th January, an awareness session was held at Indrayani English Medium School, Pimpri-Chinchwad, where 93 students from classes 5th to 7th, along with 8 faculty members, participated. The session featured an interactive snake and ladder game, "Pollution Pathways: Choose Your Actions Wisely," designed to educate students about the importance of making sustainable choices.

On 10th January, an E-waste Collection Drive was organized at IITM Office & Colony, with over 300 participants contributing to responsible e-waste disposal. The collected e-waste was handed over to Mahalaxmi E-Waste for proper recycling, reinforcing the mission's commitment to pollution reduction and sustainable waste management.

On 26th January, IITM-EIACP celebrated National Cleanliness Day 2025 through a plantation drive under "Ek Ped Maa Ke Naam." A total of 20 participants, including GSDP students, planted fruit-bearing saplings to support a greener future. Additionally, a Swachhata Drive was conducted at various locations within the IITM campus, promoting cleanliness and environmental consciousness.

On 29th January, another Mission LiFE awareness session was conducted at Shree Sai English Medium School, PCMC, engaging 140 students from classes 7th to 10th and 7 teachers. The "Pollution Pathways" snake and ladder game was used as an educational tool to emphasize sustainable actions. As part of the initiative, a Knowledge Product Calendar 2025, designed by IITM-EIACP, was presented to the school principal, offering valuable sustainability insights for students.

These initiatives highlight IITM-EIACP's ongoing efforts in fostering environmental responsibility, sustainability, and community engagement.

i. Activities under Environment Days/ Special days:

Sr. No.	Environment Days/ Special days	Description of event	Place/s of activity	Number of participants	Partners
1	National Cleanliness Day	Conducted plantation drive under "Ek Ped Maa Ke Naam and Swachhata Drive at various locations within the IITM campus, promoting cleanliness and environmental consciousness.	IITM Campus	20	

High resolution Geotagged Photos of all days celebrated.



Glimpses of National Cleanliness Day

ii. Activities under plantation drive campaign “Ek Ped Maa ke Naam”

- a. **Description:** - Centre organized a tree plantation drive to emphasize the importance of afforestation in combating climate change and improving air quality. A total of 20 participants, including GSDP (Green Skill Development Program) students, actively took part in planting fruit-bearing saplings within the IITM campus. These saplings were carefully selected to provide long-term environmental benefits, including increased oxygen levels, reduced carbon footprint, and enhanced biodiversity.
- b. **Number of participants:** - 20
- c. **Name of Location/s where activity was carried out:** - IITM office campus
- d. **Partners:** - Nil
- e. **Geotagged Photos:** -





Glimpses of plantation drive at office campus

iii. Mission LiFE Activities:

a. Title: Mission LiFE Awareness Session – Indrayani English Medium School

Description:

On 9th January 2025, IITM-EIACP Pune conducted an engaging awareness session at Indrayani English Medium School, Pimpri-Chinchwad, educating 93 students from classes 5th to 7th and 8 faculty members on sustainability. The session aimed to instil environmental responsibility through an interactive and fun learning approach.

The highlight of the event was the snake and ladder game, "Pollution Pathways: Choose Your Actions Wisely," designed to teach students about the consequences of their choices on the environment. Good actions, such as planting trees and reducing waste, helped players climb ladders, while harmful actions, like littering or wasting electricity, led to setbacks through snakes. This gamified approach made learning

engaging and helped students understand the importance of sustainable habits in daily life.

The session saw enthusiastic participation, fostering curiosity and awareness about environmental conservation. Faculty members appreciated the initiative's experiential learning approach, and students took away valuable lessons on responsible living and climate action. Through this session, IITM-EIACP successfully encouraged young minds to adopt eco-friendly behaviors, reinforcing the goals of Mission LiFE.

b. Number of participants: 93 Students.

c. Partners: Indrayani English Medium School

d. Name of Location/s where activity was carried out: Dighi, Pune

e. Geotagged Photos:





Glimpses from Mission LiFE awareness event

a. Title: Mission LiFE Awareness Session – Shree Sai English Medium School, PCMC

Description:

On 29th January 2025, IITM-EIACP Pune conducted a Mission LiFE awareness session at Shree Sai English Medium School, PCMC, engaging 140 students from classes 7th to 10th and 7 teachers. The session aimed to educate students on sustainability through an interactive approach, using the "Pollution Pathways" snake and ladder game to illustrate the impact of their daily actions on the environment. Positive choices, such as reducing waste and conserving energy, helped players progress, while unsustainable habits led to setbacks, reinforcing key environmental lessons.

As part of the initiative, IITM-EIACP also presented the school principal with a Knowledge Product Calendar 2025, designed to provide valuable sustainability insights for students. The session successfully fostered environmental awareness, responsible decision-making, and climate-conscious behavior, encouraging students and faculty to adopt eco-friendly practices in their daily lives.

b. Number of participants: 147 students & teachers

c. Partners: Shree Sai English Medium School,

d. Name of Location/s where activity was carried out: Pimple Gurav, Pune

e. Geotagged Photos:





Glimpses from Mission LiFE awareness event at school

iv. Centre specific thematic activities

a. **Title:** E-Waste Collection Drive 2025.

b. **Description:**

On 10th January 2025, IITM-EIACP Pune organized an E-Waste Collection Drive at IITM Office & Colony, encouraging responsible electronic waste disposal. The event saw participation from over 300 individuals, including staff, residents, and students, who actively contributed by discarding outdated and non-functional electronic items. The initiative aimed to raise awareness about the environmental hazards of improper e-waste disposal and promote sustainable waste management practices.

As part of the event, Mr. Manoj Mehata, CMD of Mahalaxmi E-Waste Recycler, briefed participants about the e-waste recycling process and provided insights into the state of recycling in India. He highlighted the importance of proper e-waste handling, the challenges of informal recycling, and the benefits of scientific recycling methods in reducing pollution and recovering valuable materials. The collected e-waste was systematically gathered and handed over to Mahalaxmi E-Waste for proper recycling, reinforcing IITM-EIACP's commitment to sustainable waste management and aligning with the objectives of Mission LiFE to foster a cleaner and greener future.

c. **Number of participants:** 300+

d. **Partners:** GA Section, IITM, Pune

e. **Name of Location/s where activity was carried out:** IITM Office & Colony

f. **Geotagged Photo:**





Glimpses for handover of e-waste to recycler

v. Awareness Campaigns /Events /Competition /Seminars/ Webinars/ Workshops

- Title:
- Description:
- Number of participants:
- Partners:
- Name of Location/s where activity was carried out:
- Geotagged Photo:

vi. GSDP and Capacity Building courses

Ongoing GSDP course “Solar Enterprise Assistant Manager”:

IITM-EIACP PC-RP, Pune had started the GSDP course “Solar Enterprise Assistant Manager” on 23rd December 2024. This month, several experts shared their subject knowledge, enlightening students with valuable insights.

Mr. Shubham Sharma from Sofcon India Pvt. Ltd. conducted insightful lectures on the solar syllabus, covering key topics such as solar PV system design, installation, maintenance, and industry best practices. His sessions provided participants with practical knowledge and technical expertise essential for a career in the solar energy sector.



Mr. Mahesh Badgujar from Agni Solar System Pvt. Ltd., an expert in solar energy, conducted insightful lectures on various course modules. He provided in-depth knowledge on solar systems, their applications, and industry best practices.



Dr. Jnanesh, Scientist-E, led a field tour of the solar system installed on the IITM rooftop, providing students with practical insights into solar energy applications. He explained the system's design, functionality, and efficiency, highlighting key components like solar panels, inverters, and energy storage. The session offered hands-on learning, enhancing students' understanding of real-world solar power implementation.

Mr. Manoj Mehta conducted an informative session on e-waste management, highlighting the environmental impact of electronic waste and the importance of responsible disposal. He discussed recycling techniques, sustainable practices, and regulatory guidelines for e-waste handling. The session provided valuable insights into reducing electronic waste and promoting eco-friendly disposal methods.



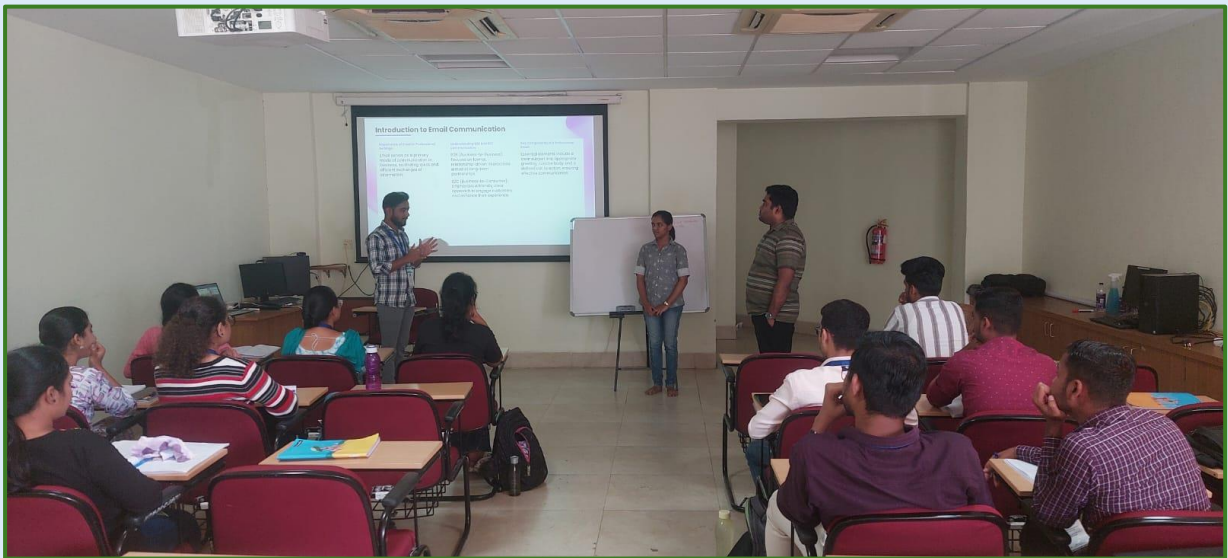
Ms. Pramila conducted engaging personality development sessions, focusing on communication skills, confidence building, and professional etiquette. She guided students on self-improvement strategies, goal setting, and effective interpersonal interactions. The sessions helped enhance their personal and professional growth, preparing them for future career opportunities.



Ms. Mayuri Patil and Mr. Sandeep Kulkarni from Sun Bliss Solar Institute conducted practical demonstration sessions, providing hands-on training in solar system installation and maintenance. They guided students through real-time assembly, troubleshooting, and performance analysis of solar components. These interactive sessions enhanced technical skills and deepened understanding of solar energy applications.



Mr. Arnab Chakraborty from IITM conducted an insightful session on mailing and drafting, focusing on professional email etiquette, effective communication, and document structuring. He provided practical tips on drafting clear, concise, and impactful emails and official documents. The session enhanced students' writing skills, ensuring professionalism in workplace communication.



Mr. Ameya Date, Project Scientist at IITM, conducted an insightful session on sustainable practices, emphasizing eco-friendly solutions for a greener future. He discussed energy conservation, waste reduction, and sustainable resource management strategies. The session encouraged students to adopt environmentally responsible habits in daily life and professional settings.



A field visit to Orjabox, Pune, provided an in-depth exploration of their expertise in solar cooking technologies. The visit focused on their innovative range of solar cookers, including concentrated, evacuated tube, and box-type cookers, showcasing sustainable solutions for harnessing solar energy for cooking. Visitors learned about the efficiency, design, and benefits of each type, highlighting the potential for reducing reliance on conventional fuels.



A field visit to Solar Basket, Pune, offered insights into their diverse solar products and solutions. The visit highlighted their expertise in solar lighting, including solar diyas, lamps, and aesthetic lights, as well as innovative solar products like solar dehydrators, solar trees, and

the solar forest ranger's stick. Additionally, attendees explored solar infrastructure such as solar benches, seating stones, and decorative roadside stones, along with other unique solutions like solar insect trappers, showcasing the potential for sustainable, off-grid solar applications.



The field visit to the Building Integrated Photovoltaic (BIPV) system at Savitribai Phule Pune University offered an opportunity to explore this cutting-edge, sustainable energy solution. The BIPV system integrates solar panels directly into the building's architecture, seamlessly generating renewable energy while enhancing the building's aesthetic. Visitors learned about the system's efficiency, design, and its role in reducing energy consumption and promoting sustainable building practices.



The field visit to the residential solar system by Deeva Solar, Pune, provided an in-depth look at their advanced solar solutions tailored for home use. Visitors observed the installation and functioning of rooftop solar panels, exploring how the system efficiently harnesses solar energy to power residential needs. The session highlighted the environmental and economic benefits of adopting solar energy for households, emphasizing sustainability and cost savings.



The session on key aspects of the finance sector, led by CA. Shri. Navin Agarwal, Founder and CEO of Glory Prime Wealth Pvt Ltd, offered valuable insights into financial management and wealth-building strategies. Shri. Agarwal discussed the importance of strategic investment, risk management, and financial planning for individuals and businesses. The session also highlighted emerging trends in the financial industry and the role of professional advisory in achieving long-term financial goals.



The session on "Impact of Weather Parameters on Solar Panel Efficiency," conducted by Dr. B S Murthy, a renowned scientist, explored how various weather conditions affect the performance of solar panels. Topics covered included the influence of temperature, humidity, solar radiation, and cloud cover on energy generation efficiency. Murthy Sir emphasized the importance of understanding these factors for optimizing solar energy systems and enhancing their performance in different climatic conditions.

The field visit to the High Altitude Cloud Physics Laboratory (HACPL) in Mahabaleshwar offered an insightful exploration of their research on cloud physics and atmospheric studies. Attendees learned about the laboratory's cutting-edge technologies for monitoring cloud formation, weather patterns, and atmospheric conditions at high altitudes. The visit

highlighted the critical role of HACPL in advancing climate research and improving weather forecasting capabilities.



vii. Knowledge products, if any, with link

- a. Description:
- b. Photos:

viii. Development of Information Products and Mobile Apps: Nil

ix. Miscellaneous activities: Nil

5. Recruitment or Change of EIACP Staff if any with contact numbers and qualification details: Nil

6. Updation of DRC Webpage with details: Nil