







# 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)

# December 2024 Report: Sustainability in Action: Key Initiatives and Achievements of December 2024















- 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: December-2024
- 4. Summary of achievement:

In December 2024, IITM-EIACP PC-RP, Pune, achieved significant milestones through various initiatives focused on sustainability and environmental awareness. On December 21, IITM-EIACP participated in the "Joint Techno-Scientific Brainstorming Sessions with Stakeholders," organized by the Indian Meteorological Society, Pune. The event brought together experts, students, and policymakers to discuss innovative solutions in weather, climate science, and geospatial technology. IITM-EIACP set up an interactive stall to promote the Mission LiFE initiative and the "Solar Enterprise Assistant Manager" course, reaching over 200 participants.

IITM-EIACP also conducted an engaging pollution awareness activity at Acharya Shri Anand Rushiji School in Chinchwad on December 21, where 350 students participated in a snake and ladder game titled "Pollution Pathways: Choose Your Actions Wisely." The game aimed to educate students about the environmental impact of their choices, rewarding good actions and highlighting the consequences of harmful ones.

At the 11th Vigyan Mela in Bhopal on December 28-29, IITM-EIACP held impactful sessions to promote the Mission LiFE initiative. These sessions reached 500 participants and emphasized sustainable practices like energy conservation, waste reduction, and eco-friendly living. The team engaged with visitors, including students and educators, to spread environmental awareness.

On December 31, IITM-EIACP launched the Green Skill Development Programme (GSDP) course on "Solar Enterprise Assistant Manager." The inauguration featured distinguished speakers, including Dr. R. Krishnan, Director of IITM, and Dr. Latha, EIACP Coordinator, and was marked by the unveiling of the IITM-EIACP 2025 calendar by Dr. Suryachandra Rao, Project Director of the Monsoon Mission. The calendar reflects IITM's commitment to sustainability and environmental awareness.

In addition to these events, IITM-EIACP shared an awareness post on National Pollution Control Day on December 2, 2024, across various social media platforms, promoting environmental consciousness and encouraging eco-friendly practices.

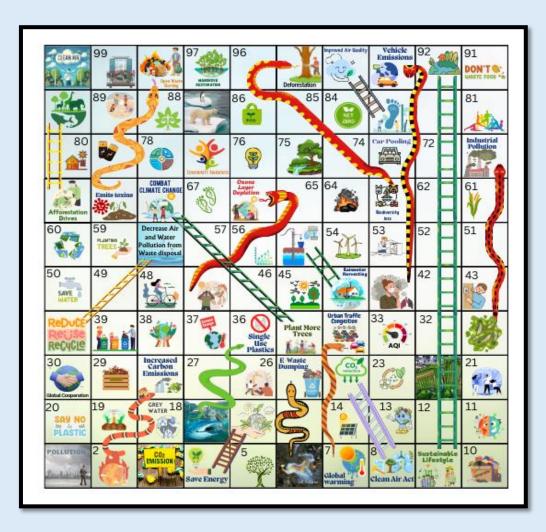
Overall, December was marked by a series of impactful activities aimed at raising awareness, building capacity, and fostering sustainable practices across different sectors of society.

**Highlights**: GSDP Course Inauguration, interactive snake and ladder game titled "Pollution Pathways: Choose Your Actions Wisely", 11th Vigyan Mela, Bhopal

# i. Activities under Environment Days/ Special days:

High resolution Geotagged Photos of all days celebrated.

Sr. No.		Description of event		Number of participants	Partners
1	National Pollution Control Day	Releasing snake and ladder game for students. The game highlighted the impact of our choices on the environment, with ladders for good actions and snakes for harmful ones.	Online and Offline	350	



Snake and ladder game designed by IITM EIACP, Pune.

# ii. Activities under plantation drive campaign "Ek Ped Maa ke Naam"

- a. Description: Nil
- b. Number of participants: Nil
- c. Name of Location/s where activity was carried out: Nil
- d. Partners: Nil
- e. Geotagged Photos: Nil

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a. Title: Mission Life Awareness at Joint Techno - Scientific Brainstorming Sessions with Stakeholders", organized by Indian Meteorological Society, Pune (IMSP)

# **Description**:

On December 21, 2024, IITM-EIACP PC-RP, Pune, actively participated in the workshop titled "Joint Techno-Scientific Brainstorming Sessions with Stakeholders", organized by the Indian Meteorological Society, Pune Chapter (IMSP), at the College of Agriculture, Pune. This collaborative event brought together a diverse group of experts, researchers, students, policymakers, and stakeholders to explore innovative solutions in the fields of weather, climate science, geospatial technology, and allied sectors.

# **Key Highlights of the Workshop:**

- Mass Awareness Initiative: IITM-EIACP set up an interactive stall to promote
  the Mission LiFE initiative and its flagship GSDP course, "Solar Enterprise
  Assistant Manager". This effort was part of a larger campaign to raise
  awareness about sustainable practices and career opportunities in the solar
  energy sector.
- 2. **Distinguished Participation:** The event featured prominent scientists and stakeholders, including:
  - o Dr. Milind Mujumdar, Chairman, IMSP
  - Dr. R. Krishnan, Director, IITM

    The participation of students, media partners, and over 200 attendees made this initiative a resounding success.
- 3. **Engaging Discussions and Presentations:** The workshop covered various topics aimed at bridging science, technology, and society, including:
  - Advanced Weather Forecasting Systems by IMD
  - Hydro-Meteorological and Agricultural Services of IMD
  - Climate Insights through IITM Models and Observational Products
  - Innovations in Space, High-Performance Computing (HPC), and Geospatial Technology by CDAC, ISRS, and ISG
  - Agri-Tech Innovations and Better Farming Techniques
  - Manpower Development Opportunities for emerging technology courses
- 4. Scope and Vision: The event served as a platform for showcasing a wide range of resources, such as weather and climate data products, mobile applications, hydrological tools, and recent publications. This comprehensive approach emphasized collaboration across academic, professional, and societal sectors to drive impactful solutions for climate resilience and sustainable development.

**Impact:** The "Joint Techno-Scientific Brainstorming Session with Stakeholders" was a significant step toward fostering dialogue and innovation at the intersection of science, technology, and society. IITM-EIACP's participation amplified awareness about Mission LiFE and solar energy opportunities, aligning with the event's broader objectives of knowledge sharing and capacity building.

Number of participants: 200 peoples.

- b. Partners: IMSP, IMD
- c. Name of Location/s where activity was carried out: Pune
- d. Geotagged Photos:





Glimpses from Joint Techno - Scientific Brainstorming Sessions







# iv. Centre specific Thematic activities

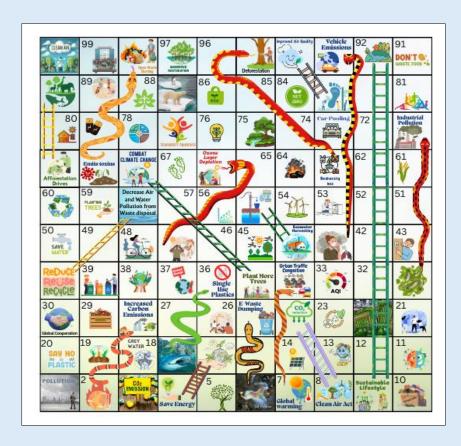
a. Title: Awareness Activity of "Pollution Pathways: Choose Your Actions Wisely" Snake & Ladder game.

# b. Description:

IITM-EIACP PC-RP, Pune conducted an exciting awareness activity at Acharya Shri Anand Rushiji English Medium School, Chinchwad, Pune. 350 students from classes 8th and 9th participated in our unique snake and ladder game, titled "Pollution Pathways: Choose Your Actions Wisely," designed to educate students about the importance of sustainable actions. The game started with the theme of pollution and concluded with the goal of achieving clean, pollution-free air.

The game highlighted the impact of our choices on the environment, with ladders for good actions and snakes for harmful ones. The winners of the game were awarded gifts to acknowledge their participation and reinforce the importance of making environmentally conscious choices.

- c. Number of participants: 350
- d. Partners: Acharya Shri Anand Rushiji English Medium School.
- e. Name of Location/s where activity was carried out: Chinchwad, Pune
- f. Geotagged Photo:



"Pollution Pathways: Choose Your Actions Wisely" Snake & Ladder game.







Glimps from Awareness Activity of "Pollution Pathways: Choose Your Actions Wisely" Snake & Ladder game.

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

# a. Title: Participation at 11th Vigyan Mela, Bhopal

**Description:** The IITM-EIACP PC-RP, Pune, team actively participated in the 11th Bhopal Vigyan Mela on December 28 and 29, 2024. During these two days, the team conducted impactful awareness sessions to promote the Mission LiFE (Lifestyle for Environment) initiative. These sessions emphasized the importance of adopting sustainable practices in daily life, such as energy conservation, waste reduction, and eco-friendly living, to mitigate environmental challenges.

Visitors, including students, educators, and general attendees, engaged enthusiastically with the IITM-EIACP team, gaining insights into actionable steps to contribute to environmental sustainability. The team's interactive approach and resourceful information complemented the fair's broader objectives of spreading scientific knowledge and fostering innovation.

The sessions by IITM-EIACP added a significant dimension to the Vigyan Mela by integrating environmental consciousness with the scientific and technological advancements showcased at the event. This initiative further underscored the role of collaborative efforts in driving sustainable development.

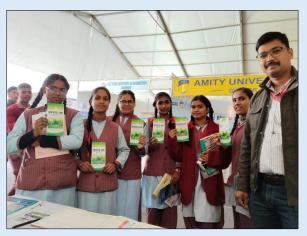
b. Number of participants: 500

c. Partners: IITM Scientist

d. Name of Location/s where activity was carried out: Jamburi Maidan, Bhopal

e. Geotagged Photo:





Glimpses from 11th Vigyan Mela, Bhopal (27th Dec 2024)









Glimpses from 11th Vigyan Mela, Bhopal (28th Dec 2024)

# vi. GSDP and Capacity Building courses

## Commencement of GSDP course:

IITM-EIACP PC-RP, Pune Started the GSDP course "Solar Enterprise Assistant Manager" on 23rd December 2024, with an introductory event held in Varahmihir Hall, IITM, Pune.



Group photo on commencement of GSDP course.

The GSDP course "Solar Enterprise Assistant Manager" began with a spiritually uplifting ceremony, starting with the Saraswati Vandana. The venue, adorned with floral decorations and an idol of Goddess Saraswati, set a serene and reverent atmosphere. Dr. Latha R., the EIACP coordinator, led the ceremony by lighting the traditional lamp, marking the auspicious beginning. The invocation of the Saraswati Vandana, accompanied by hymns and classical music, filled the hall with peace and positivity.

Dr. Latha then introduced herself and encouraged students to share their introductions, fostering an inclusive environment. Her inspiring words emphasized the significance of knowledge in shaping the future. She introduced her colleagues with roses, inviting them to impart their wisdom, and their speeches deeply resonated with the candidates, leaving a lasting impact on everyone present.

The event witnessed the presence of these reputed guests from various divisions of IITM-

- 1. Dr. Thiyagesan Dharmaraj, Scientist D, IITM Pune.
- 2. Dr. Shikha Singh, Scientist D, IITM Pune.
- 3. Mrs. Pragya from General Administration Division, IITM Pune.
- 4. Mr. Ramesh from Accounts Division, IITM Pune.



# **Experts' Sessions-**

# Lecture 1:





Lecture by Dr. Milind Sudhakar Mujumdar

Dr. Milind Sudhakar Mujumdar, the first speaker of the day, delivered an insightful session on solar radiation and its spectrum. He elaborated on the concepts of active and passive solar energy systems, highlighting the environmental factors that influence insulation levels. Dr. Mujumdar provided a detailed explanation of short and long-wave radiation, encouraging us to explore sustainable methods for energy conservation. His presentation deepened our understanding of harnessing solar energy efficiently.

# Lecture 2:

The second speaker of the day, Dr. Bhupendra Bahadur Singh, delivered an engaging and informative lecture on carbon emissions over the past 800,000 years, emphasizing the sharp increase in recent centuries. He provided valuable insights into solar insolation levels in tropical regions and how they vary with geographic location. Dr. Singh also gave a detailed overview of government policies, regulations, and initiatives related to solar energy. Additionally, he offered a brief yet comprehensive

explanation of weather and climate modelling, enriching our understanding of environmental dynamics and sustainable practices.







# Lecture 3:



Lecture by Dr. Shirish Khedikar

The final speaker of the day, Dr. Shirish Khedikar, delivered an inspiring lecture on the importance of cultivating an innovative mindset. His remarkable achievements in the solar energy sector were both impressive and motivating. Dr. Khedikar encouraged us to think ambitiously and creatively, fostering a broader perspective. He provided a detailed, step-by-step guide on how to file a patent, making the process clear and accessible. By sharing his own ideas and experiences, he engaged the audience through interactive discussions and thought-provoking questions. Dr. Khedikar emphasized the significance of problem-solving and highlighted the critical role of research and development in building a sustainable future.

# Formal Inauguration:

: Pune, 31st December 2024: The Indian Institute of Tropical Meteorology (IITM), in collaboration with the Environmental Information, Awareness, Capacity Building, and Livelihood Programme (EIACP), successfully inaugurated the Green Skill Development Programme (GSDP) course on "Solar Enterprise Assistant Manager."

The event commenced with a warm welcome address by Dr. R. Latha, EIACP Coordinator, IITM, setting a positive tone for the ceremony. This was followed by an inaugural video address by the Chief Guest, Dr. R. Krishnan, Director of IITM, who emphasized the significance of skill development in promoting sustainable practices. Adding to the event's prominence was a video message from Ms. Lipika Roy, Deputy Director, Ministry of Environment, Forest and Climate Change (MoEF&CC), sharing her wishes for the program's success.

Distinguished speakers, including Dr. Gufran Beig, Founder Coordinator of IITM, Dr. B.S. Murthy, Former Coordinator of EIACP, and Dr. Shikha Singh, Scientist at DESK, IITM, delivered insightful talks. Their expertise inspired the GSDP candidates and highlighted the importance of renewable energy in the current environmental scenario.

A significant highlight of the event was the unveiling of the 2025 IITM-EIACP Calendar by Dr. Suryachandra Rao, Scientist-G and Project Director of the Monsoon Mission at IITM, Pune. The calendar reflects the institute's commitment to environmental awareness and sustainability.

The participants were provided with resource kits to assist their learning journey. Their enthusiastic engagement throughout the sessions contributed to the event's success, showcasing their dedication to acquiring skills for a sustainable future.

The inauguration concluded on a high note, leaving the participants motivated and ready to embark on their journey to become skilled professionals in solar enterprise management.



Glimpses from GSDP Course Inauguration function



Glimpses from GSDP Course Inauguration function

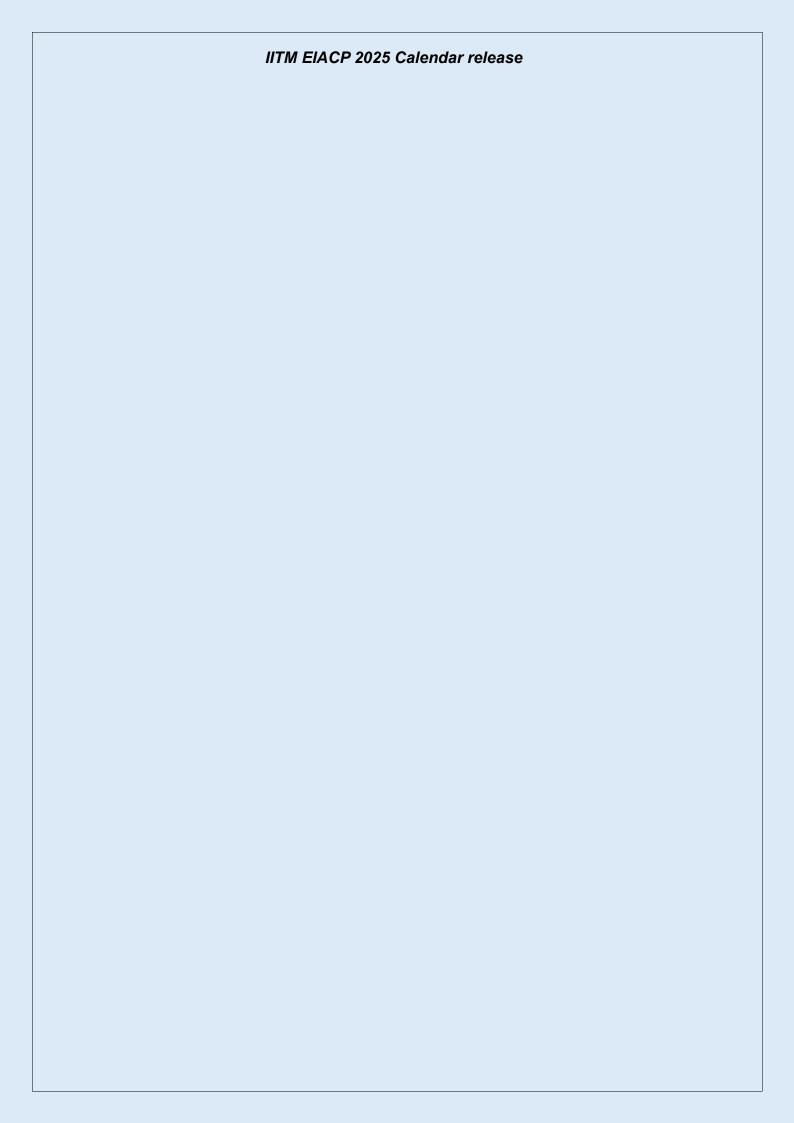
# vii. Knowledge products, if any, with link

a. **Description:** The calendar was released by Dr. Suryachandra Rao, Scientist-G and Project Director of the Monsoon Mission at IITM, Pune on 31st December 2024.

This calendar stands as a testament to IITM's unwavering commitment to environmental awareness and sustainability. It features insightful themes and visuals designed to inspire eco-friendly practices, align with sustainable development goals, and promote climate action. The calendar serves as a motivational tool, urging stakeholders and the community to prioritize the planet's well-being.

# b. Photos:















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### I will act to reduce pollution and ensure clean air

# **JANUARY 2025**

Clean air and a pollution free world begin with our collective effort and responsibility

			1	2	3	4	5
	6	7	8	9	10	11	12
7	13	14	15	16	17	18	19
	20	21	22	23	24	25	26
	27	28	29	30	31		









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# I will protect wildlife and

# **MARCH 2025**

Wildlife is crucial for a	Mon	Tue	Wed	Thu	Fri	Sat	Sun
balanced and thriving planet	31					1	2
14- Holi 31- Id-ul-Zuha (Ramzan Id)	3	4	5	6	7	8	9
03- World Wildlife Day 04- World Engineering Day for Sustainable Development	10	11	12	13	14	15	16
08- International Women's Day 14- International Day of Action for Rivers 18 - Global Recycling Day	17	18	19	20	21	22	23
21- World Forestry Day 22- World Water Day 23- World Meteorological Day	24	25	26	27	28	29	30











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## **FEBRUARY 2025**

Sat Sun Science drives innovative solutions to combat pollution 2 1 and climate change, shaping a sustainable future 3 4 5 6 7 8 9 12 13 10 11 14 15 16 26- Mahashivratri 21 19 22 23 17 18 20 02-World Wetlands Day 27- International Polar Bear Day 24 25 26 27 28 28- National Science Day











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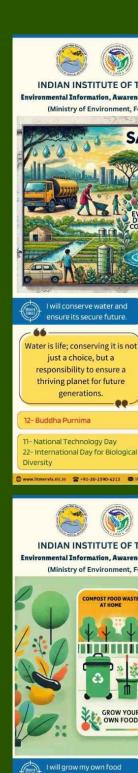




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# APRIL 2025

Mon	Tue	Wed	Thu	Fri	Sat	Sun
	1	2	3	4	5	6
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				
	7 14 21	1 7 8 14 15 21 22	1 2 7 8 9 14 15 16 21 22 23	1 2 3 7 8 9 10 14 15 16 17 21 22 23 24	1 2 3 4 7 8 9 10 11 14 15 16 17 18 21 22 23 24 25	1 2 3 4 5 7 8 9 10 11 12 14 15 16 17 18 19 21 22 23 24 25 26





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# **MAY 2025**

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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12	13	14	15	16	17	18
19	20	21	22	23	24	25
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I will grow my own food through terrace gardening	1
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Planting your own food is more than just a gardening task-it's an investment in your health, your community, and the future of our planet.

06-	MILL	har	ram
00	1-161	ticat	rain

01-07 Vanamohatsav 26-International Mangrove Day 28-World Nature Conservation Day

# **JULY 2025**

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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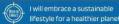




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## **JUNE 2025**













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## **AUGUST 2025**

Mon	Tue	Wed	Thu	Fri	Sat	Sun
				1	2	3
4	5	6	7	8	9	10
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# SEPTEMBER 2025

Living healthily means fueling your body with whole foods, staying

	active, and prioritizing self-care millets can be a part of that
05	nourishing journey  - ID-e-Milad
16	- International Day for the

preservation of Ozone 21- International Day of Peace 26- World Environmental Health Day

Mon	Tue	Wed	Thu	Fri	Sat	Sun
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					











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# Horis I will reduce waste and

# **OCTOBER 2025**

Swachhata begins with our actions	Mon	Tue	Wed	Thu	Fri	Sat	Sun
for a cleaner, healthier world			1	2	3	4	5
02- Mahatma Gandhi's Birthday 02- Dussehra 20- Diwali	6	7	8	9	10	11	12
13- International Day for Natural	13	14	15	16	17	18	19
Disaster Reduction 14- International E-Waste Day 17- International Day for the	20	21	22	23	24	25	26
Eradication of Poverty 24- International Day of Climate Action	27	28	29	30	31		













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# **NOVEMBER 2025**



05- Guru Nanak's Birthday
10- World Science Day
19- International GIS Day

21- World Fisheries Day

Mon	Tue	Wed	Thu	Fri	Sat	Sun
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30











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# **DECEMBER 2025**

-	- 66
	Saving energy isn't just about
	turning off lights—it's about
	rethinking how we use power,
	embrace new technologies, and
	create a sustainable future.
-	
2	5- Christmas Day

02- National Po	ollution Control Day
05- World Soil I	Day

14- National Energy Conserv	ation Day
23- Kisan Divas	

1	2	3	4	5	6	7
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15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

# viii. Development of Information Products and Mobile Apps:

: Nil

# ix. Miscellaneous activities:

IITM EIACP Pune shared an awareness post on National Pollution Control Day, December 2, 2024, across various social media platforms.



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

: Mrs. Nitu Singh joined as Program Officer on 09th Dec 2024.

# 6. Updation of DRC Webpage with details:

: Nil