



Thiagarajar
College of Engineering
where quality and ethics matter

68
YEARS
1957-2025
Celebrating
Jubilee Excellence

TCE EIACP PC-RP

An Environmental Information, Awareness, Capacity Building and Livelihood Programme (EIACP) Resource Partner
Plastic Waste Management



ANNUAL PROGRESS REPORT

(Apr 2024 - Mar 2025)



Prepared by,

TCE EIACP PC-RP

Submitted by,

Dr. R. Vasudevan,
(Padma Shri Awardee)

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Prof. Dept. of Chemistry, TCE,
Madurai.

Submitted to,

**EIACP Cell,
MoEF&CC**

Under,

**Ministry of Environment,
Forest & Climate Change,
Government of India**

S. No	Table of Contents	Page No.
1.	EIACP Manpower Details	1
2.	Grant details	4
3.	Newsletter List	4
4.	Information Products List	6
5.	Details of GSDP Grant	7
6.	GSDP- Batch 1(2024-2025) Candidate List	8
7.	Details of Database development & Updation	10
8.	List of Awareness and outreach Activities	10
9.	List of Competitions /LiFE events/ Webinars/ workshops/ Seminars/ Conferences	11
10.	List of Events	12
11.	Celebration of World Environment Day -Webinar	14
12.	Celebration of World Environment Day –Seminar	14
13.	Celebration of World Environment Day -Webinar	15
14.	Celebration of World Environment Day -Webinar	16
15.	Celebration of International Day of Yoga	17
16.	International Plastic Bag Free Day- Seminar	18
17.	Celebration of International Day for the Conservation of the Mangrove Ecosystem- Webinar	19
18.	Mission LiFE- Webinar	20
19.	Mission LiFE-Seminar	21
20.	Mission LiFE-Seminar	22
21.	Celebration of World Elephant Day 2024	23
22.	Mission LiFE- Webinar	24
23.	Mission LiFE-Seminar	25
24.	Mission LiFE- Webinar	26
25.	Mission LiFE-Seminar	27
26.	MoU Signing - Mission LiFE	28
27.	Mission LiFE-Seminar	29
28.	Mission LiFE-Seminar	29
29.	Mission LiFE-Seminar	30
30.	Celebration of International Day for the Preservation of the Ozone Layer	31
31.	Swachhata Hi Seva Campaign	31
32.	Mission LiFE- Awareness Drive	32
33.	Celebration of International Day of Climate Action - Webinar	33
34.	Mission LiFE-Seminar	33
35.	Celebration of National Energy Conservation Day	39
36.	Mission LiFE-Seminar	40
37.	Mission LiFE- Webinar	41
38.	Mission LiFE- Webinar	41
39.	Mission LiFE- Webinar	42
40.	Mission LiFE-Seminar	43
41.	Mission LiFE- Webinar	43
42.	Celebration of World Wetlands Day- Webinar	44

43.	Mission LiFE- Webinar	45
44.	Mission LiFE- Webinar	46
45.	Mission LiFE- Awareness Rally	46
46.	Mission LiFE-Seminar	47
47.	Celebration of World Sustainable Energy Week	48
48.	Mission LiFE- Webinar	49
49.	MoU Signing - Mission LiFE	49
50.	Mission LiFE-Seminar	50
51.	Celebration of World Water Day- Webinar	51
52.	Exhibition Stall	52
53.	Constitution Day Celebration - Seminar	53
54.	Boot Camp on Waste Management	54
55.	Tree Plantation Campaign	57
56.	Celebration of World Nature Conservation Day	58
57.	Details of Plastic Waste Management: Awareness Program	65
58.	List of Competitions	78
59.	Knowledge Products Details	88
60.	MoU Details	89
61.	List of Patnership	91

PROFORMA FOR ANNUAL PERFORMANCE REPORT OF EIACP

CENTRES

- 1 Name of the Host Institution and EIACP Centre : Thiagarajar College of Engineering and TCE
EIACP PC-RP
- 2 Name of Department in case of Hub: : NA
- 3 Darpan ID in case of an NGO : NA
- 4 Theme/Subject Area of EIACP Centre : Plastic Waste Management
- 5 Date of establishment of EIACP Centre : 07.02.2018
- 6 Name and designation of EIACP coordinator : Dr. R. Vasudevan (PadmaShri Awardee) and
Professor, Department of Chemistry, TCE
- 7 EIACP Staff working from 1st April :
2024 to 31st March 2025

Sl. No.	Name	Position held	Qualification and Experience	Joining Date in current position	Date of Leaving (if Applicable)	Contribution made to EIACP as per the works defined in the Guidelines
1	Dr.B. Sundara Kannan	Programme Officer	M.Sc., Ph.D., 19 years 4 Months	03.02.2023	NA	Complete Planning/ Scheduling of entire activities. Decision in coordination with coordinator and co-coordinator. Execution of Activities in coordination with IO/ ITO/ DEO

						<p>Allotment of responsibilities to the IO/ITO/DEO</p> <p>Approval related Work</p> <p>partnering with other EIACP Centres to Conduct activities</p>
2	Mr.M. Chander Kumar	Information Officer	MCA., ME., 15 Year 5 Months	28.06.2022	NA	<p>Implementation of Scheduled Activities as per PO's assignment</p> <p>Collection of data related to the Newsletter and other knowledge products</p> <p>Gathering of information related to centres theme area (Plastic Waste Management)</p> <p>Coordination of events related Informations (seminar, Webinar, Rally etc.,)</p>
3	Mrs.S. Gomathi	Data Entry Operator	B. Com	01.03.2018	28.10.2024	NA

4	Mr.C. Naveen Arasu	Information Technology officer	B.E 5 years 4 months	12.06.2024	NA	Recording on activities (both as image and document) Certificate preparation Design and maintenance of Website Updating and uploading on website Supporting Technical Activities for all events
5	Mrs.M. Sakthi Raga Priya	Data Entry Operator	B.A 5 years 3 Months	13.02.2025	NA	Assisting PO, IO and ITO in all the activities as per their requirements. Overall maintenance of records related to EIACP Office file related activities Data Entry Operations and File Operations

8. Objectives of the EIACP Centre:

Systematic collection, collation, storage, retrieval and dissemination of data on “Plastic Waste Management” which is an open access resource for students, research scholars, faculty, NGO and public. This would facilitate

awareness of the present status of Plastic Waste Management and its role in the environment. The EIACP also focuses on the NES on different parameters as suggested by MoEF & CC. The EIACP centre will play a vital role in providing newer data for researchers, who works on Plastic Waste Management. The EIACP centre actively involves in implementation of activities/action plan of Mission LiFE. The EIACP centre also conducts GSDP Program on Waste Management.


9. Grants received by the EIACP centre during the financial year 2024 – 2025

S. No.	Type of Grants received	Total Amount received	Total Amount utilized	Unspent balance
1	₹ 22,75,533	₹ 22,75,533	₹ 22,52,194	₹ 23,339

10. List of Publications by the EIACP centre (Newsletters, Papers, Books/ Reports, mobile apps etc.)



Newsletters-4



1. April 2024 to June 2024
2. July 2024 to September 2024
3. October 2024 to December 2024
4. January 2025 to March 2025

Cover snapshot	Quarter/ Volume/ Issue/ Theme / Main Articles	Number of copies printed and circulated	URL of the PDF file in EIACP website
	April - June 2024	100	https://tceeiACP.in/newsletter.php

	<p>July - September 2024</p>	<p>100</p>	<p>https://tceeiACP.in/newsletter.php</p>
	<p>October - December 2024</p>	<p>100</p>	<p>https://tceeiACP.in/newsletter.php</p>
	<p>January - March 2025</p>	<p>100</p>	<p>https://tceeiACP.in/newsletter.php</p>

**11. Other publications/ information products/posters brought out during the
Financial Year with URL:**

Cover Snapshot	Publication / Product Theme (s) /Subject Area (s)	Number of copies printed and circulated	URL of the PDF file in EIACP website
 	Earth Day 2024	50	http://tceenvi.in/knowledge_products.php
	World Lion Day 2024	50	http://tceenvi.in/knowledge_products.php
	Plastic Waste Management Awareness	50	http://tceenvi.in/knowledge_products.php

	Mission LiFE	50	http://tceenvi.in/knowledge_products.php
	World Wildlife Day 2025	50	http://tceenvi.in/knowledge_products.php

12. Green Skill Development Programme (GSDP) data:

- a. Grants received for conducting GSDP courses during the financial year
2024 – 2025

S.No	List of Courses	Date of start of course – Date of completion	Formulation/ updation of training modules/ manuals	Grants Received	Number of trainees participated				Number of trainees placed*			
					M	F	SC	ST	M	F	SC	ST
1	Waste Optimization Professional	17.12.2024-12.03.2025	NA	Rs 16,45,500	13	2	-	-	11	2	-	-

- Provide a separate sheet with candidates' address, contact details and place of employment
- *Trainees pursuing Higher studies on the basis of GSDP courses also to be included in placement data.

S. No	Name of the Candidate	Address	Mobile No.	Placed or not	Placement Details
1	Muralidharan G	D 169, Sambandar Street, Alagappan Nagar, Madurai 625003	9443169439	Placed	Entrepreneur
2	Mano Senthil Mohan S	GF-03, Dhanya, Vasudhara Enclave, Andalpuram, 84 T.P.K. Road, Andalpuram, Madurai-652003, Tamilnadu.	9444111916	No	-
3	Prakash G	C-141 Nehruji Street Thirunagar 4th stop,Madurai-6	9442033381	Placed	Entrepreneur
4	Umamaheswaran M	21, Thiru v.ka street, Kamaraja puram, Madurai	9865997871	Placed	Entrepreneur
5	Shankar krishnaa A P	Plot No: 1294, TNHB Colony, Nagammal Kovil Street, Mela Anuppanadi, Madurai-625009.	9344121112	Placed	Entrepreneur
6	Krishnakumar G	25A/13, Ramalinga konar st, Sellur, Madurai - 625002.	8778974738	Placed	Entrepreneur
7	Kalaiselvan R G	4, Ansari Nagar, 2 nd Street, Mahaboorpalayam, Madurai - 10	9698988982	Placed	Entrepreneur
8	Sundar N	49 Manicka vasagam nagar EB colony Nagamaai	8489587447	Placed	Entrepreneur

9	Revanth P M	NB12 GRI Staff quarter Gandhigram Dindigul 624302	6381273148	Placed	PhD(Gone for Higher Studies)
10	Umamaheswari N	B3 Premier Grihalakshmi Apartments, 8, Ramachandra road, mylapore, Chennai - 600004	9600064767	Placed	Entrepreneur
11	Harrikannan S	Plot no 17 door no 87 kanthasamy st natraj nagar, Madurai	9865143807	Placed	Entrepreneur
12	Keerthivasan K	10/8/2 Manthaniamman Kovil st S.Alangulam Madurai-17	97512 00837	No	-
13	Sivaneswaran T	S/O Thangam, 45/58, Elangovadigal Street, Bodinayakanur, Theni, Tamilnadu -625513	8778343187	Placed	Supervisor in Theni Municipal Corporation
14	Ishwaryah P	3549, TNHB Colony, Villapuram, Madurai- 12	9751586868	Placed	Embedded Software Engineer in Auraa Aerospace
15	Manimaran C	3/336 B3 Veeramamunivar street pillar Salai Nagamalai Pudukkottai madurai 19	9790832710	Placed	Entrepreneur

b. Collaboration with Industry

1. Fun Hour Training Centre, Madurai
2. Sakthi Vermi Compost Industry, Madurai

- c. Has the placement cell been established, if yes please share details

Placement Cell has been already established in our College

14. Capacity Building Program

- a. Area in which Capacity Building Program were conducted- Nil
b. Category and number of trainees Trained-Nil

15. Database Development & Updation

- a. Webpage Updation frequency with details: Twice in a week
b. Database maintenance: Once in a week
c. Total no. of EIACP reports submitted in the financial year: 7- Monthly Reports, 4-Quarterly Reports
d. Avg. No. of Hits/Visitors: 2,97,464/ 35,420
e. Query-Answer Statistics: 350
f. Any analysis of the available knowledge products No
g. If Yes Any usage, Target Group

16. Awareness and outreach Activities carried out during financial year 2024 – 2025:

- a. Number of Environmental days celebrated-18

S. No	Name of Environment Days Celebrated
1	World Earth Day
2	World Environment Day
3	International Day of Yoga
4	International Plastic Bag Free Day
5	Van Mahotsav 2024
6	International Day for the Conservation of the Mangrove Ecosystem
7	World Nature Conservation Day
8	World Lion Day

9	World Elephant Day
10	International Day for the Preservation of the Ozone Layer
11	Swachhata Hi Seva Campaign
12	World Sustainable Energy Week
13	International Day of Climate Action
14	Constitution Day (India)
15	National Energy Conservation Day
16	World Wetlands Day
17	World Wildlife Day
18	World Water Day

- b. Number of Competitions /LiFE events/ Webinars/ workshops/
Seminars/ Conferences etc. organized both offline/online

Competitions

S. No	Environment Days	Name of the Competition	Number of Competition
1	World Environment Day	Slogan Writing	7
		Model Making	
		Mobile App Development Contest	
		Photography Contest	
		Skit	
		Drawing	
		Rangoli Making	
2	International Day for the Preservation of the Ozone Layer	Drawing	1

3	National Energy Conservation Day	Energy Audit Report Presentation	8
		Energy Awareness Meme Creation	
		Energy Conservation Project Models	
		Energathon App Development	
		Slogan Writing	
		Poster Making	
		Energy Saving Activity	
		Drawing	
4	Mission LiFE	Drawing	1
		Total	17

Events

S. No	Name of the Event	Total No of Events
1	Mission LiFE	33
2	Webinar and Seminars	14
3	Workshops / Boot Camp	1
4	Awareness at TCE EIACP Lab for Experts	19
5	Miscellaneous – Constitution Day Celebration	1
6	Tree Planataion “Ek Ped Maa Ke Naam Campaign”	10
7	Tree Sapling Distribution	2
	Total	80

- c. Representations of EIACP Centres in various thematic events organized by other Ministries/State Govt./Institutes etc.- Nil
- d. Number of reports with policy implications at district/state/national Level-Nil

Awareness Lectures to Commemorate Environmental Days and to Promote Mission LiFE Principles

1. Date: 27.05.2024

Name of the Environment Days Celebrated: World Environment Day 2024

Mode: Virtual

To commemorate World Environment Day 2024, TCE EIACP organized a special webinar featuring Prof. S. Sudalai, Assistant Professor, Centre for Pollution Control and Environmental Engineering, School of Engineering & Technology, Pondicherry University.

Prof. Sudalai delivered an insightful lecture on the topic “Environmental Impacts of Festivals”, highlighting the ecological challenges posed by traditional celebrations and emphasizing sustainable alternatives. The webinar saw active participation from over 100 students across various departments of the institution. The session aimed to raise environmental awareness and align with the Mission LiFE principles of sustainable living and mindful consumption.



Webinar – Celebration of World Environment Day 2024

2. Date: 28.05.2024

Name of the Environment Days Celebrated: World Environment Day 2024

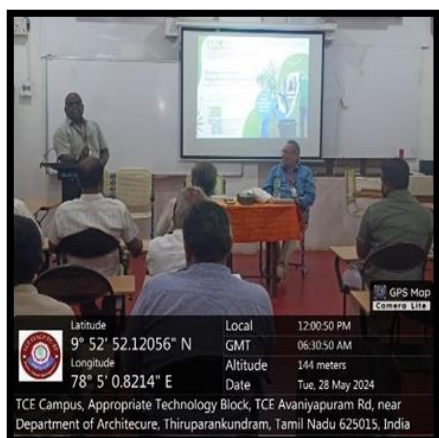
Mode: Offline

As part of the World Environment Day 2024 celebrations, TCE EIACP conducted an Awareness Creation Program for Stakeholders on 28th May 2024. The

objective was to inform and involve various stakeholders on critical environmental concerns while promoting sustainable practices in line with Mission LiFE principles.

The program included impactful lectures by Dr. A. Ramalinga Chandrasekar and Dr. R. Vasudevan, who offered valuable insights into plastic waste management, sustainable innovations, and eco-conscious living. Interactive sessions, live demonstrations, and open discussions further enriched the experience.

Stakeholders from multiple backgrounds actively participated, sharing ideas and expressing a collective commitment to environmental responsibility. This event reinforced the significance of collaborative efforts in achieving sustainable development goals and underscored the importance of environmental awareness and action across communities.



Seminar – Celebration of World Environment Day 2024

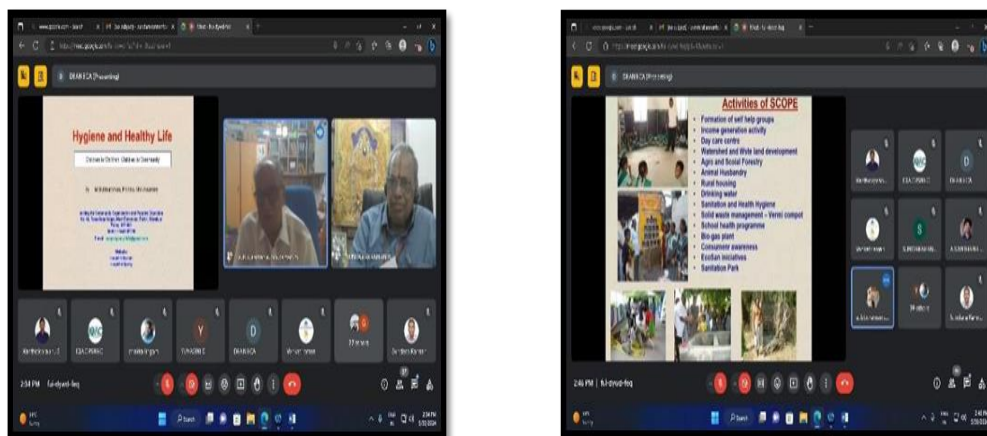
3. Date: 30.05.2024

Name of the Environment Days Celebrated: World Environment Day 2024

Mode: Virtual

As part of the World Environment Day 2024 celebrations, TCE EIACP organized a special Webinar on “Hygiene & Healthy Life” on 30th May 2024. The keynote address was delivered by Shri. Marachi Subburaman, Padma Shri Awardee and Managing Trustee of SCOPE (Society for Community Organization and People’s Education). In his insightful lecture, Shri. Subburaman emphasized the crucial link between hygiene, health, and environmental sustainability. He highlighted practical and

community-based approaches to promote sanitation and sustainable living, aligning with the core principles of Mission LiFE. The webinar witnessed active participation from 110 students across various branches of the institution. The session was well-received and sparked meaningful discussions on adopting healthy and eco-friendly lifestyles.



Webinar – Celebration of World Environment Day 2024

4. Date: 02.06.2024

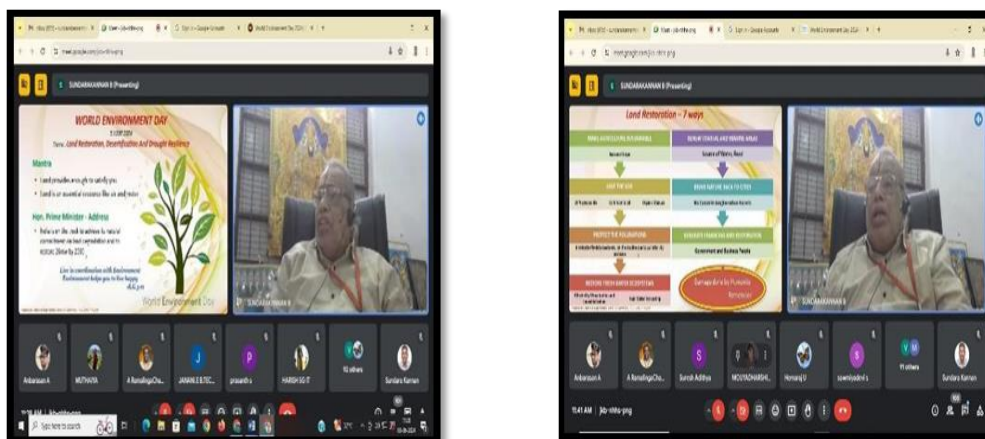
Name of the Environment Days Celebrated: World Environment Day 2024

Mode: Virtual

As part of the ongoing initiatives to promote environmental consciousness, TCE EIACP organized a Webinar on Mission LiFE (Lifestyle for Environment) on 2nd June 2024. The session was conducted to create awareness on sustainable living and environmentally responsible behavior among students and stakeholders.

The keynote lecture was delivered by Dr. R. Vasudevan, Coordinator, TCE EIACP PC RP. In his address, Dr. Vasudevan highlighted the core themes of Mission LiFE, focusing on reducing individual carbon footprints, adopting mindful consumption habits, and integrating sustainability into daily life. He also emphasized the need for community engagement in fostering eco-friendly practices.

The session served as a valuable platform to inspire participants to take small but impactful actions toward environmental protection, reinforcing the vision of Mission LiFE.



Webinar – Celebration of World Environment Day 2024

5. Date: 21.06.2024

Name of the Environment Days Celebrated: International Day of Yoga 2024

Mode: Offline

To commemorate the International Day of Yoga 2024, the TCE EIACP Resource Partner, in collaboration with the TCE National Cadet Corps (NCC), organized a special Yoga Day Celebration at St. Mary's Matriculation Higher Secondary School, Madurai on 21st June 2024. This initiative aimed to instill awareness among school students about the profound benefits of yoga in enhancing both physical fitness and mental well-being.

The event witnessed enthusiastic participation from around 160 students, who actively engaged in a structured yoga session led by experienced instructors. The students performed a series of basic yoga asanas and breathing exercises with great zeal and focus. The session highlighted the importance of incorporating yoga into daily routines to foster balance, inner peace, and a healthy lifestyle.

Through this celebration, young minds were encouraged to embrace yoga not merely as a physical activity, but as a way of life that promotes mindfulness, emotional resilience, and overall well-being. The event strongly resonated with the core objectives of Mission LiFE (Lifestyle for Environment), which emphasizes mindful consumption and sustainable living practices for a better future.



Celebration of International Day of Yoga 2024

6. Date: 03.07.2024

Name of the Environment Days Celebrated: International Plastic Bag Free Day 2024

Mode: Offline

To commemorate International Plastic Bag Free Day 2024, TCE EIACP PC-RP organized a Seminar on “Utilization of Waste Plastics for Construction Materials” on 3rd July 2024. The event aimed to raise awareness about the harmful effects of single-use plastic bags and to promote innovative and sustainable alternatives.

The seminar featured a special lecture by Dr. R. Vasudevan, Padma Shri Awardee, Professor of Chemistry, and Coordinator, TCE EIACP PC-RP. In his address, Dr. Vasudevan elaborated on the scientific and practical aspects of reusing waste plastic bags in construction, particularly in the development of plastic tar roads and other eco-friendly materials.

45 participants, including college faculty, students, and construction engineers, attended the seminar. The session emphasized the significance of converting plastic waste into valuable resources, highlighting the role of plastic Tar roads in reducing environmental pollution. This seminar successfully promoted the concept of sustainable construction and reinforced the importance of responsible plastic waste management in line with Mission LiFE goals.



Celebration of International Plastic Bag Free Day 2024

7. Date: 27.07.2024

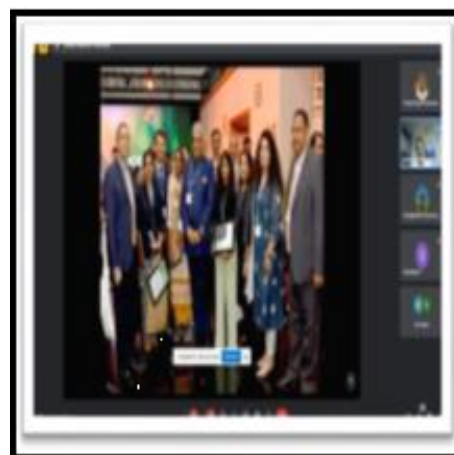
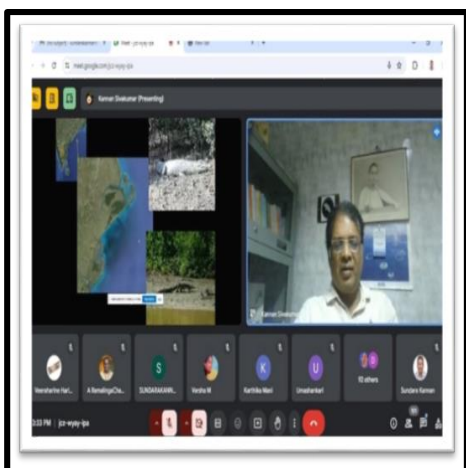
Name of the Environment Days Celebrated: International Day for the Conservation of the Mangrove Ecosystem

Mode: Virtual

In observance of the International Day for the Conservation of the Mangrove Ecosystem (26th July), TCE EIACP PC-RP organized a webinar on 27th July 2024, titled “Indian Ocean Mangroves in the Changing Climate.”

The webinar featured a special lecture by Dr. K. Sivakumar, Associate Professor, Faculty of Marine Science, Annamalai University, Annamalainagar. Dr. Sivakumar provided an in-depth exploration of the ecological significance of mangrove forests, especially those located in the Indian Ocean region, and their critical role in combating climate change.

110 participants from various colleges across Tamil Nadu actively took part in the session. The lecture covered a wide array of topics including island mangroves, seagrass ecosystems, coral reefs, and the intricate linkages between these ecosystems and global climate dynamics. The webinar enhanced awareness and scientific understanding of coastal ecosystems, stressing the importance of mangrove conservation as a natural defense against rising sea levels, erosion, and biodiversity loss. This initiative aligned with Mission LiFE goals by promoting environmental stewardship and the protection of natural ecosystems.



Webinar – Celebration of International Day for the Conservation of the Mangrove Ecosystem 2024

8. Date: 29.07.2024

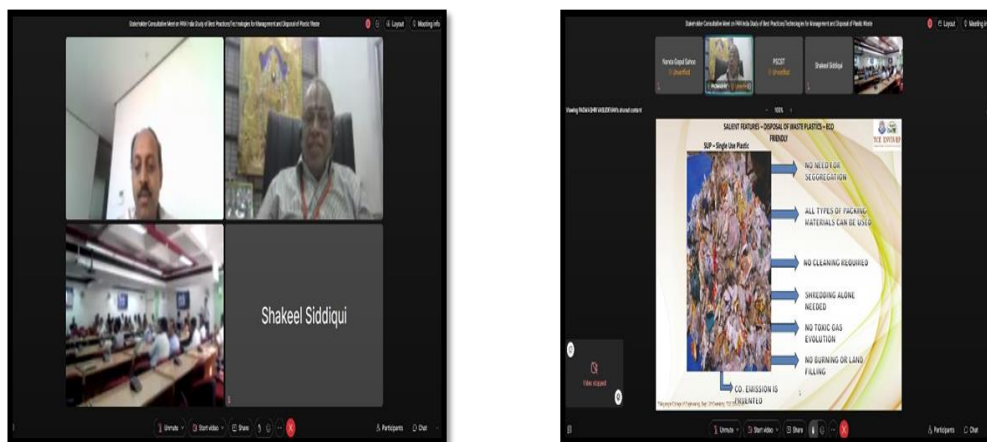
Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On 29th July 2024, the Punjab State Council for Science and Technology conducted a Stakeholder Consultative Webinar on “Best Practices and Technologies for Management and Disposal of Plastic Waste.” The event brought together stakeholders from various sectors to share knowledge and discuss sustainable solutions for plastic waste management. Dr. R. Vasudevan, Padma Shri Awardee and Coordinator of TCE EIACP PC-RP, delivered a keynote lecture in virtual mode on the pressing issue of plastic waste. He emphasized the environmental hazards caused by the mishandling of plastic waste and the urgent need for proper collection, segregation, and scientific disposal methods

The session explored innovative practices and technologies for managing plastic waste effectively, including the reuse of plastics in road construction and other eco-friendly applications. Dr. Vasudevan also highlighted the importance of community participation and responsible waste handling to address the plastic crisis. The webinar was attended by 110 participants, including environmental professionals, educators, and policymakers. The session successfully sensitized attendees on the best

practices in plastic waste management and supported the goals of Mission LiFE by promoting sustainable and responsible lifestyles.



Webinar – Celebration of Mission LiFE Programme

9. Date: 02.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On 2nd August 2024, an awareness lecture titled “Sharing My Experience” was delivered by Dr. R. Vasudevan, Padma Shri Awardee and Coordinator of TCE EIACP PC-RP, for the volunteers from Honeywell Technology Solution India RDT Summit 2024.

The session aimed to inspire and educate the young volunteers by sharing real-world insights and innovative practices in plastic waste management. Dr. Vasudevan spoke about his pioneering work in converting waste plastics into valuable construction materials, particularly in the development of plastic Tar roads. He also emphasized the importance of sustainability, community participation, and individual responsibility in addressing environmental challenges.

The lecture motivated the volunteers to take proactive steps toward environmental stewardship and provided them with a deeper understanding of how innovative thinking can lead to practical, eco-friendly solutions. The program was well-received and served as a meaningful engagement under the Mission LiFE initiative, promoting a lifestyle in harmony with the environment.



Seminar – Celebration of Mission LiFE Programme

10. Date: 03.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On 3rd August 2024, an Awareness Lecture was conducted as part of the International Conference on Next-Generation Materials and Devices (ICNMD 2024) held at Kalasalingam Academy of Research and Education (KARE).

Dr. R. Vasudevan, Padma Shri Awardee and Coordinator of TCE EIACP PC-RP, delivered an inspiring session on the Reduction of Single Use Plastics, highlighting the pressing need to eliminate such plastics from our daily lives. The seminar emphasized eco-innovations and sustainable materials as viable alternatives to harmful plastic products.

Dr. Vasudevan shared insights from his decades of research and implementation, particularly the reuse of plastic waste in road construction, and engaged with participants on the importance of awareness, policy, and behavioral changes to tackle plastic pollution effectively. The session was attended by academicians, researchers, and students from across the country, fostering dialogue on integrating environmental sustainability with advancements in material science. The lecture reinforced the relevance of Mission LiFE and India's commitment to reducing plastic footprints through scientific innovation and public participation.



Seminar – Celebration of Mission LiFE Programme

11. Date: 12.08.2024

Name of the Environment Days Celebrated: World Elephant Day 2024

Mode: Offline

On the occasion of World Elephant Day 2024, the TCE EIACP team organized an awareness lecture on 12th August 2024 at Panchayat Union Middle School, Thangalacheri, Madurai.

The session aimed to educate young students about the vital ecological role elephants play in forest formation and biodiversity conservation. The lecture highlighted the importance of protecting elephants from various threats such as habitat loss, human-wildlife conflict, and poaching. Through interactive discussions, students were made aware of the significance of elephant conservation and the broader importance of preserving wildlife for a balanced ecosystem.

45 students and 3 staff members participated actively in the session. The program successfully instilled a sense of responsibility and environmental consciousness among the students, aligning with the Mission LiFE principles of sustainable and mindful living.



Seminar – Celebration of World Elephant Day 2024

12. Date: 17.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On 17th August 2024, the MMA Management Center, Chennai, hosted a session titled “Solving India’s Solid Waste Crisis – Lessons from Madurai”. The keynote lecture was delivered in online mode by Dr. R. Vasudevan, Padma Shri Awardee, Professor of Chemistry and Coordinator, TCE EIACP PC-RP. Representing TCE EIACP in person at the venue was Dr. A. Ramalinga Chandra Sekar, who participated in the session and interacted with the attendees. The talk by Dr. Vasudevan focused on innovative and practical strategies for managing solid waste in urban settings, with successful examples drawn from the Madurai model — especially the application of waste plastics in road construction and sustainable waste handling.

The event brought together a diverse audience, including professionals, civic planners, environmentalists, and students. The session encouraged thoughtful dialogue on scalable solutions for India’s solid waste issues and highlighted the importance of community participation and eco-conscious policies. This initiative reinforced the core principles of Mission LiFE, promoting environmentally responsible behavior and sustainable urban development.



Webinar – Celebration of Mission LiFE Programme

13. Date: 20.08.2024

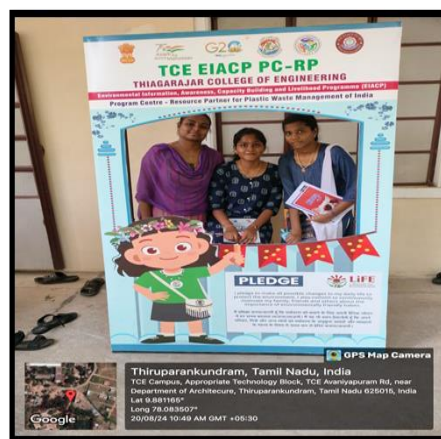
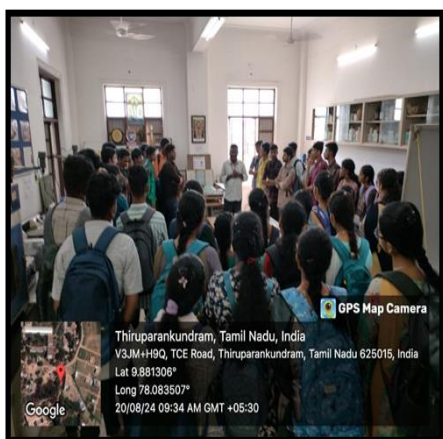
Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

As part of the Mission LiFE (Lifestyle for Environment) initiative, TCE EICAP PC-RP at Thiagarajar College of Engineering (TCE), Madurai, organized an insightful awareness lecture on 20th August 2024. The session was specifically designed for first-year B.E. students, aiming to sensitize them to the pressing environmental challenges posed by single-use plastics and to promote sustainable practices in daily life.

The lecture commenced with an overview of the Mission LiFE campaign, emphasizing its core objective of encouraging individuals to adopt environmentally conscious lifestyles. The session delved into the detrimental impacts of single-use plastics on ecosystems, highlighting issues such as pollution, harm to wildlife, and the long-term consequences on human health.

To provide practical solutions, the lecture introduced students to innovative methods of plastic waste reuse. Notably, it showcased applications like the construction of plastic tar roads and the creation of Plastone blocks—eco-friendly alternatives that not only repurpose waste but also contribute to sustainable infrastructure development. These examples served to illustrate how engineering ingenuity can be harnessed to address environmental concerns.



Seminar – Celebration of Mission LiFE Programme

14. Date: 21.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

As part of the ongoing Mission LiFE (Lifestyle for Environment) campaign, TCE EIACP PC-RP conducted an awareness lecture on 21st August 2024 for first-year B.E. students of Thiagarajar College of Engineering (TCE). The session focused on the reduction of single-use plastics and highlighted innovative and sustainable waste management practices.

Dr. R. Vasudevan, Padma Shri Awardee and Coordinator of TCE EIACP PC-RP, delivered an insightful lecture emphasizing the environmental consequences of plastic waste and the importance of its proper segregation and reuse. Students were introduced to practical applications such as the use of waste plastics in road construction, Plastone blocks, and other eco-friendly products.

The session was attended by 205 students and 4 faculty members, fostering awareness and responsibility among the youth toward environmental sustainability. By integrating such educational initiatives into the curriculum, TCE aims to instill environmental consciousness in future engineers, encouraging them to develop and implement sustainable solutions in their professional careers. The event underscored the pivotal role that educational institutions play in shaping environmentally responsible citizens committed to the principles of Mission LiFE.



Seminar – Celebration of Mission LiFE Programme

15. Date: 21.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

As part of the Orientation Program at the Indian Institute of Information Technology (IIIT), Una, an online awareness lecture was organized on 21st August 2024. The session aimed to sensitize new students to environmental challenges and sustainable practices in line with the principles of Mission LiFE (Lifestyle for Environment). Dr. R. Vasudevan, Coordinator of TCE EIACP PC-RP, delivered the keynote lecture. He spoke about the critical issues related to plastic waste management and emphasized innovative reuse technologies such as plastic roads and Plastone blocks.



Webinar – Celebration of Mission LiFE Programme

16. Date: 21.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On 21st August 2024, a Memorandum of Understanding (MoU) was officially signed between TCE EIACP PC-RP and RENERGY BUMI HIJAU SDN BHD, Malaysia, marking a significant milestone in international collaboration for plastic tar road technology.

The MoU was signed at New Delhi, aiming to enhance cooperative efforts in the utilization of waste plastics in road construction and to promote sustainable infrastructure development. Dr. A. Ramalinga Chandra Sekar, Coordinator, signed the agreement on behalf of TCE EIACP.

This partnership signifies a joint commitment to environmental sustainability, technology sharing, and the promotion of green innovations between India and Malaysia.



MoU Signing- Mission LiFE Programme

17. Date: 23.08.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

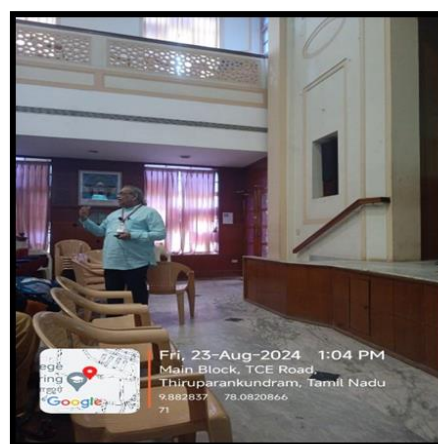
Mode: Offline

As part of the Mission LiFE (Lifestyle for Environment) initiative, TCE EIACP PC-RP organized an awareness lecture on the reduction of single-use plastics for first-

year students from all departments of Thiagarajar College on 23rd August 2024, during their orientation program.

The session focused on raising awareness about the environmental impact of single-use plastics and educating students on sustainable waste management practices. The lecture highlighted innovative ways to reuse plastic waste in the construction of plastic roads, Plastone blocks, and other eco-friendly products.

The program witnessed enthusiastic participation from 205 students and 4 faculty members, underlining the importance of instilling sustainability-focused values at the academic foundation level.



Seminar – Celebration of Mission LiFE Programme

18. Date: 26.09.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

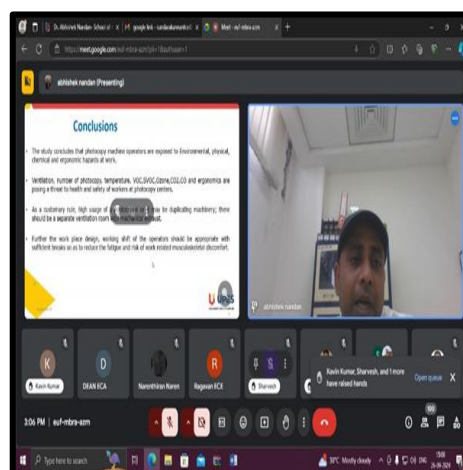
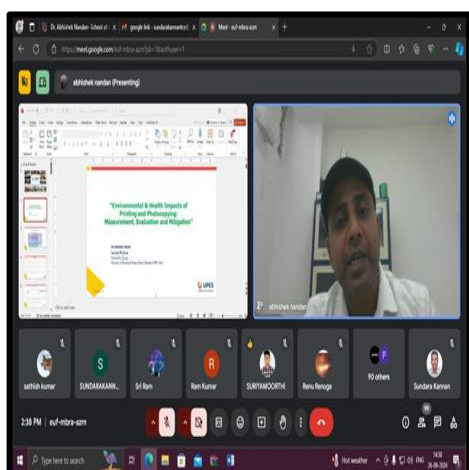
Dr. A. Ramalinga Chandra Sekar, Coordinator of TCE EIACP and Assistant Professor of Chemistry at TCE, delivered an engaging presentation on the innovative use of waste plastics and aggregates in the construction industry. The workshop, organized under the Mission LiFE initiative, focused on promoting sustainable practices and attracted 75 participants, including students, professionals, and environmental enthusiasts. Dr. Chandra Sekar showcased the transformation of waste materials into effective construction blocks, emphasizing both the environmental and economic benefits of these sustainable technologies. He also briefed the participants about How waste plastics is effectively used in laying flexible pavement. They participated enthusiastically which underscores the commitment they have to promote sustainable technologies.

20. Date: 26.09.2024

Name of the Environment Days Celebrated: International Day for the Preservation of the Ozone Layer

Mode: Virtual

To commemorate the International Day for the Preservation of the Ozone Layer 2024, TCE EIACP PC-RP organized a webinar on 26th September 2024. Dr. Abhishek Nandan, Associate Professor at the University of Petroleum and Energy Studies, delivered a lecture titled “Impact of Indoor Electronic Gadgets on Indoor Air Quality: Special Emphasis on Occupational Health and Environment.” The session highlighted the effects of emissions from devices like printers and computers on indoor air quality and occupational health. A total of 110 participants from various colleges across Tamil Nadu attended the webinar.



Seminar – Celebration of Mission LiFE Programme

21. Date: 30.09.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

As part of the Swachhata Hi Seva, TCE EIACP in co-ordination with TCE NSS Conducted an awareness rally for the reduction of Single Use Plastic and a cleanliness drive on 30-09-2024. 150 students have participated in the event. During the rally students voiced the importance of the proper management of Single Use Plastic Waste and the reduction of Single Use Plastic. The rally was organised in the Grivalam path of Thirupparankundram temple. The rally was conducted to create awareness among the public about the proper management of Single Use Plastic Waste



Swachhata Hi Seva Programme

22. Date: 22.10.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On October 22, 2024, TCE EIACP PC-RP organized a successful awareness drive at the Mattuthavani Flower Market in Madurai, targeting shopkeepers and the public to raise awareness about the environmental issues caused by single-use plastic waste. During the event, informative brochures were distributed, providing practical tips on reducing plastic consumption and highlighting the benefits of adopting sustainable alternatives. The drive engaged 500 individuals, sparking discussions on the harmful impact of plastic waste.

This initiative aligns with the broader objectives of the Mission LiFE (Lifestyle for Environment) campaign, which advocates for mindful consumption and sustainable living practices



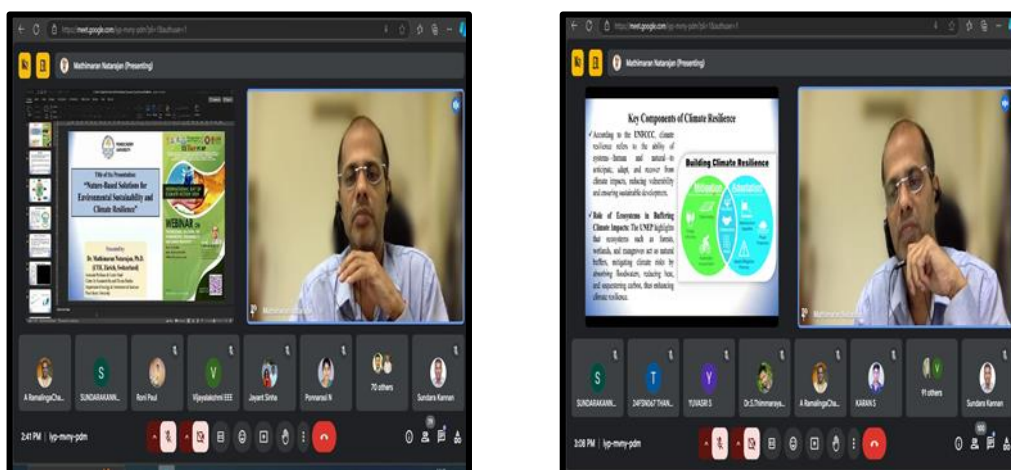
Awaareness Rally- Mission LiFE Programme

21. Date: 24.10.2024

Name of the Environment Days Celebrated: International Day of Climate Action

Mode: Virtual

International Day of Climate Action is celebrated every year on October 24th. TCE EIACP PC-RP has organized a webinar on the occasion of the International Day of Climate Action. Dr. Mathimaran Natarajan, PhD (ETH, Zürich, Switzerland), Deputy Dean, International Relations, Associate Professor & Centre Head, Centre for Sustainability and Climate Studies, Department of Ecology & Environmental Sciences, Pondicherry University, delivered a special lecture to the participants on the title "Nature-Based Solutions for Environmental Sustainability and Climate Resilience. 100 participants from different parts of the country participated.



Webinar – Mission LiFE Programme

22. Date: 08.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 8, 2024, as part of Mission LiFE (Lifestyle for Environment) activities, TCE EIACP organized an awareness lecture for first-year B.E. students from the EEE-A, and IT-A departments of Thiagarajar College of Engineering. The lecture focused on promoting sustainable lifestyle practices and raising awareness about the Mission LiFE initiative, encouraging individuals to adopt environmentally friendly habits. The event saw active participation from 180 students and 3 staff members, who were inspired to contribute to environmental sustainability



Seminar – Mission LiFE Programme

23. Date: 11.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 11, 2024, as part of Mission LiFE (Lifestyle for Environment) activities, TCE EIACP organized an awareness lecture for first-year B.E. students from the CSE-AI and CSE-B departments of TCE, Madurai. The lecture focused on promoting sustainable lifestyle practices and raising awareness about the Mission LiFE initiative, encouraging students to adopt environmentally friendly habits. 120 students and 2 staff members participated, gaining inspiration to contribute to environmental sustainability. By conducting such educational activities, TCE EIACP continues to play a crucial role in shaping environmentally conscious future technocrats.



Seminar – Mission LiFE Programme

24. Date: 12.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 12, 2024, as part of Mission LiFE activities, TCE EIACP organized an awareness lecture for first-year B.E. students from the IT-C and EEE-B departments of Thiagarajar College of Engineering. The lecture focused on promoting sustainable lifestyle practices and raising awareness about Mission LiFE, encouraging students to adopt eco-friendly habits. Around 120 students and 2 staff members participated, actively engaging in the movement to support environmental conservation and contribute to the goals of Mission LiFE.



Seminar – Mission LiFE Programme

25. Date: 13.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 13, 2024, as part of Mission LiFE (Lifestyle for Environment) activities, TCE EIACP organized an awareness lecture for first-year B.E. students of the CSBS Department at Thiagarajar College of Engineering. The session focused on encouraging students to adopt sustainable lifestyle practices that contribute to environmental conservation. Around 70 students and 1 staff member actively participated in the session. The lecture emphasized the core values of Mission LiFE, highlighting the importance of small, individual actions in addressing climate change and promoting a greener future. The event successfully inspired students to become environmentally responsible citizens.



Seminar – Mission LiFE Programme

26. Date: 14.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 14, 2024, as part of the Mission LiFE (Lifestyle for Environment) initiative, TCE EIACP organized an awareness lecture for first-year B.E. students of the IT-B Department at Thiagarajar College of Engineering. The session aimed to promote environmentally responsible behavior by highlighting simple yet effective lifestyle changes that contribute to sustainability and climate action. Around 55 students and 1 staff member actively participated in the event. The lecture emphasized the importance of reducing single-use plastics and adopting green practices in daily life, inspiring students to contribute meaningfully to environmental preservation.



Seminar – Mission LiFE Programme

28. Date: 15.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 15, 2024, as part of Mission LiFE (Lifestyle for Environment) activities, TCE EIACP organized an awareness lecture for first-year B.E. students of Mechatronics and CSE-C at Thiagarajar College of Engineering. The session aimed to encourage sustainable lifestyle practices and raise awareness about reducing environmental impact through daily actions. Around 110 students and 2 staff members participated, showing strong engagement with the Mission LiFE goals of promoting environmentally conscious living.



Seminar – Mission LiFE Programme

27. Date: 18.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 18, 2024, as part of the Mission LiFE (Lifestyle for Environment) initiative, TCE EIACP organized an awareness lecture for first-year B.E. students of Civil-B and Mech-B at Thiagarajar College of Engineering. The session emphasized sustainable lifestyle practices to support environmental conservation. Around 180 students and 3 staff members actively participated, gaining insights on how small, conscious actions can contribute to climate action and the broader goals of Mission LiFE.



Seminar – Mission LiFE Programme

28. Date: 19.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 19, 2024, we conducted an awareness lecture as part of Mission LiFE for 1st B.E. students of Mech-A, and ECE-C at Thiagarajar College of Engineering. The session emphasized adopting sustainable lifestyle practices to support environmental conservation and climate action. 180 students and 3 staff members actively participated, showing strong interest in contributing to the Mission LiFE goals.



Seminar – Mission LiFE Programme

29. Date: 21.11.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On November 21, 2024, as part of the Mission LiFE (Lifestyle for Environment) activities, the TCE EIACP (Environmental Information, Awareness, Capacity Building and Livelihood Programme) conducted an awareness lecture for first-year B.E. students

of the ECE-B departments at Thiagarajar College of Engineering. The session focused on promoting sustainable lifestyle choices and educating students about the importance of environmental conservation. Around 60 students and 1 staff member participated in the event. The lecture emphasized the key principles of Mission LiFE, encouraging participants to adopt eco-friendly habits and reduce their environmental footprint. The session inspired students to take individual action toward a more sustainable future.



Seminar – Mission LiFE Programme

30. Date: 13.12.2024

Name of the Environment Days Celebrated: National Energy Conservation Day

Mode: Offline

As part of National Energy Conservation Day, TCE EIACP PC-RP organized a seminar titled “Save Energy to Save Earth” on 13th December 2024. Dr. V. Saravanan, Professor, EEE Department, Thiagarajar College of Engineering, delivered an insightful session focusing on the importance of energy conservation. The seminar aimed to raise awareness on protecting the environment, gaining economic and health benefits, and promoting sustainable development. With 75 participants in attendance, the session successfully encouraged responsible energy use and inspired attendees to adopt energy-efficient practices in daily life.

This initiative aligns with the broader objectives of National Energy Conservation Day, observed annually on December 14, which seeks to promote awareness about the importance of energy efficiency and conservation. By organizing such events, TCE EIACP PC-RP continues to play a pivotal role in fostering a culture of sustainability and environmental responsibility among the academic community.



Seminar – Celebration of National Energy Conservation Day

31. Date: 18.12.2024

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

At the "Madurai Sustainability Conference 2024" on 18th December, Dr. R. Vasudevan, Padmashri Awardee and TCE EIACP PC-RP Coordinator, presented a lecture on “Mission LiFE – Reduction of Single-Use Plastics.” He discussed the management of plastic waste and its reuse in road construction and products like Plastone and tetrapod boulders. Dr. Vasudevan stressed the importance of research and improved recycling technologies to address plastic pollution. The session, attended by 105 participants, highlighted sustainable practices for managing plastic waste. The session, attended by 105 participants. The Participants gained knowledge on importance of waste plastics and were keen enough to adopt a sustainable method for well being



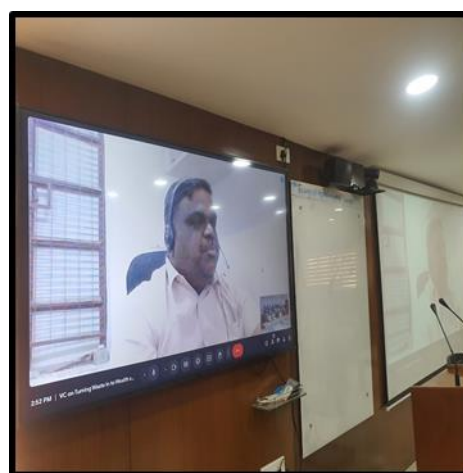
Seminar – Mission LiFE Programme

32. Date: 10.01.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On January 10, 2025, Dr. A. Ramalinga Chandra Sekar, Co-Coordinator of TCE EIACP, delivered an insightful lecture on "Plastic Waste Management," organized by the Environment Protection Training and Research Institute (EPTRI). The session was part of the Green Skill Development Programme (GSDP) course for Waste Optimization Professionals. He highlighted the challenges of plastic waste and provided practical solutions for its management. The lecture was attended by 13 participants, who actively participated in the discussion.



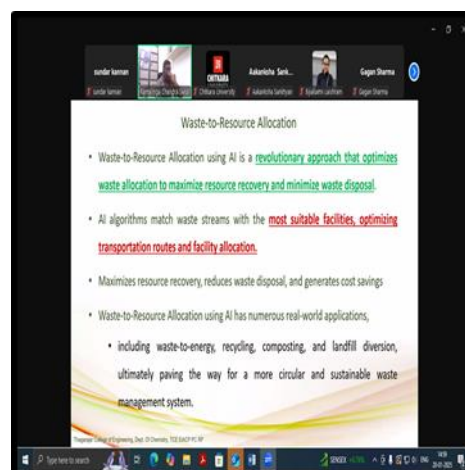
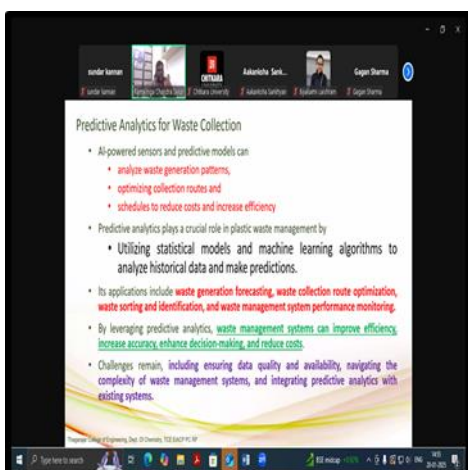
Webinar – Mission LiFE Programme

33. Date: 20.01.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On January 20, 2025, Dr. A. Ramalinga Chandra Sekar, Co-Coordinator of TCE EIACP delivered an insightful lecture on "The Technological Innovations: AI" organized by Chitkara University, Himachal Pradesh. The lecture was part of a one-week Faculty Development Programme titled "Pathway to a Plastic-Free Future: Multidisciplinary Approaches Through Research, Technology, and Community Action." He explored the transformative role of Artificial Intelligence (AI) in various sectors, emphasizing its potential to contribute to sustainability and the reduction of plastic waste. The session saw active participation from 51 attendees.



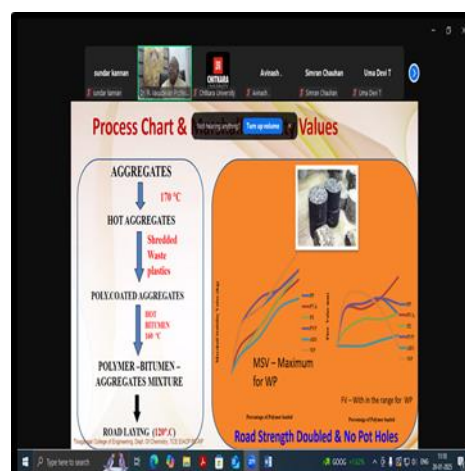
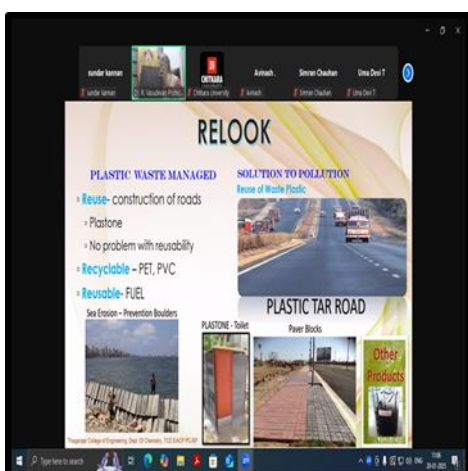
Webinar – Mission LiFE Programme

34. Date: 20.01.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On January 20, 2025, Dr. R. Vasudevan, Coordinator of TCE EIACP, delivered a lecture on "Community Action: Mobilizing for a Plastic-Free Society" at Chitkara University, Himachal Pradesh, as part of a Faculty Development Programme on "Pathway to a Plastic-Free Future." He emphasized the role of communities in combating plastic pollution and the importance of research and technology in finding solutions. The session, attended by 51 participants, provided valuable insights into reducing plastic consumption and fostering a sustainable, plastic-free future. The interactive nature of the lecture encouraged participants to consider implementing community-driven initiatives and to explore interdisciplinary approaches in their respective fields.



Webinar – Mission LiFE Programme

35. Date: 22.01.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

As part of the Mission LiFE activities, TCE EIACP organized an awareness lecture on January 22, 2025, focused on the theme "LiFE - Energy Conservation." Dr. V. Saravanan, Professor in the Department of Electrical and Electronics Engineering at TCE, delivered an insightful lecture on the importance of energy conservation. The lecture was attended by 105 students from various schools and colleges in and around Madurai. During the session, Dr. Saravanan highlighted effective energy-saving practices and the role of individuals in promoting sustainability



Seminar – Mission LiFE Programme

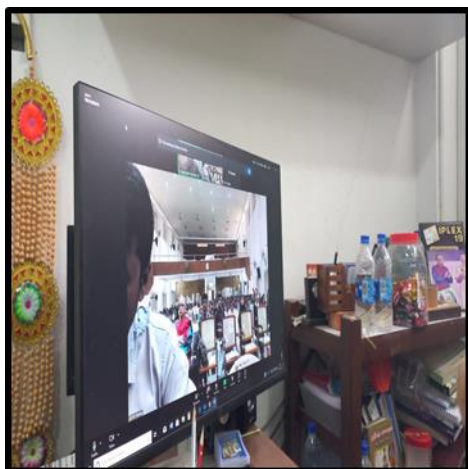
36. Date: 29.01.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On January 29, 2025, Dr. R. Vasudevan, Coordinator of TCE EIACP, delivered a lecture on "How Plastic Waste is Converted into Useful Products" at the workshop titled "Futurepreneur," organized by Rajalakshmi Institute of Technology. The lecture focused on innovative methods of recycling plastic waste and converting it into valuable products. He shared practical insights on sustainable practices and the importance of waste management in reducing plastic pollution. The session was attended by a total of 111 participants, who actively participated and gained valuable knowledge on plastic waste management and recycling techniques. He emphasized the

role of communities in combating plastic pollution and the importance of research and technology in finding solutions.



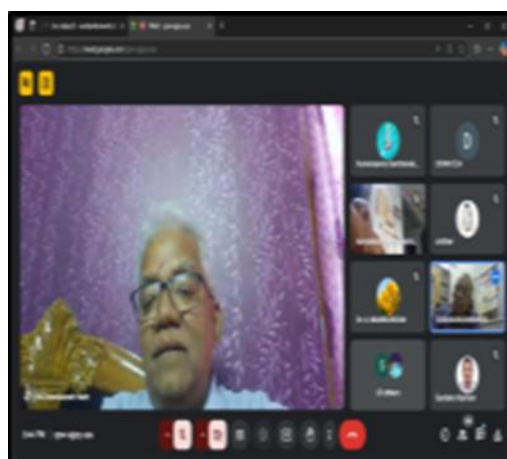
Webinar – Mission LiFE Programme

37. Date: 04.02.2025

Name of the Environment Days Celebrated: World Wetlands Day

Mode: Virtual

On the occasion of World Wetlands Day 2025, the TCE EIACP Programme Centre organized a webinar on 4th February 2025. The event featured a special lecture by Dr. M. Dwarakanath, Chairman, State Environmental Impact Assessment Authority, Government of Pondicherry, and Former Member Secretary, Puducherry Pollution Control Committee. The lecture, titled “Institutions and Individuals Contributions to Environmental Conservation”, emphasized the importance of personal responsibility and institutional roles in environmental protection. Dr. Dwarakanath also highlighted key concepts from Mission LiFE, green thinking and planning, and the promotion of eco-friendly lifestyles and practices. The webinar saw enthusiastic participation from 80 students and faculty members representing various colleges across Tamil Nadu. The session proved to be highly informative and helped participants gain deeper insights into sustainable living and environmental stewardship.



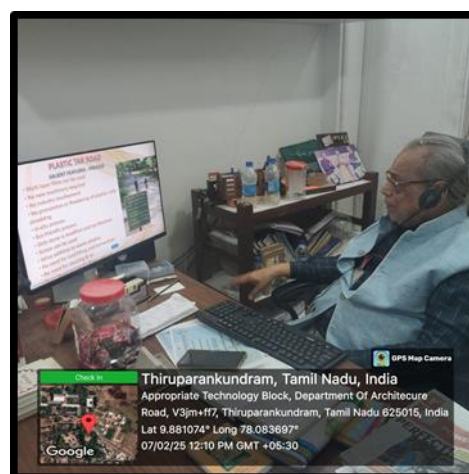
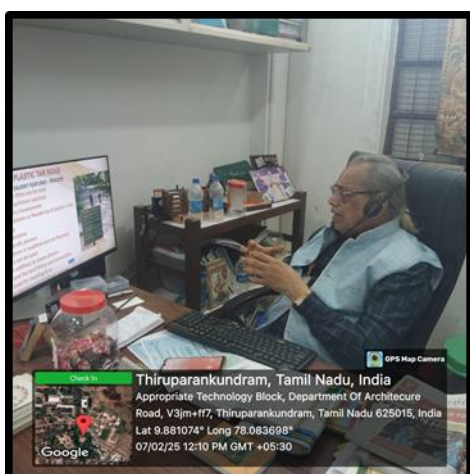
Webinar- Celebration of World Wetlands Day

38. Date: 07.02.2025

Name of the Environment Days Celebrated: Mission LiFE

Mode: Virtual

On February 7, 2025, Dr. R. Vasudevan, TCE EIACP Coordinator, delivered an online lecture on "Plastic Waste Management" as part of IGNITE 2025 – National Level Biennial Entrepreneurship Summit organized by M.O.P. Vaishnav College for Women, Chennai. The session was held under the theme "Shaping a Better Tomorrow, Today – Innovations for Sustainability and Societal Impact" and was conducted under the #Mission LiFE initiative. Dr. Vasudevan focused on sustainable solutions for plastic waste management, discussing innovative reuse methods and strategies to reduce environmental impact. The lecture saw participation from 75 attendees, who gained valuable insights into addressing plastic waste through sustainable practices.



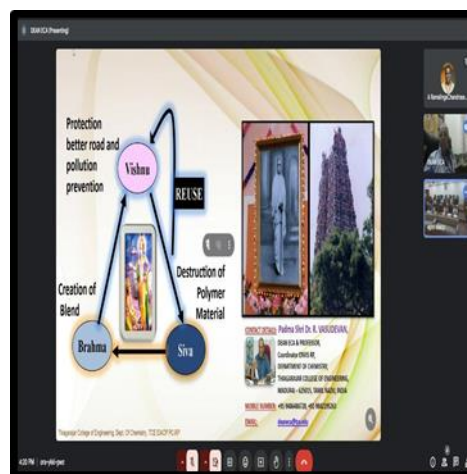
Webinar- Celebration of Mission LiFE Programme

39. Date: 12.02.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On February 12, 2025, Dr. R. Vasudevan, Coordinator of TCE EIACP, delivered a lecture on "Plastic Waste Management" organized by the Environment Protection Training and Research Institute (EPTRI) as part of the Green Skill Development Programme (GSDP) for Waste Optimization Professionals. He highlighted the environmental impact of plastic waste and discussed innovative solutions, such as using plastic waste in road construction to improve durability and sustainability. Dr. Vasudevan also introduced alternative sustainable products like Plastone. The session provided participants with practical knowledge on circular economy models, waste reduction, and effective plastic waste management strategies, emphasizing innovation and community involvement for a greener future.



Webinar- Celebration of Mission LiFE Programme

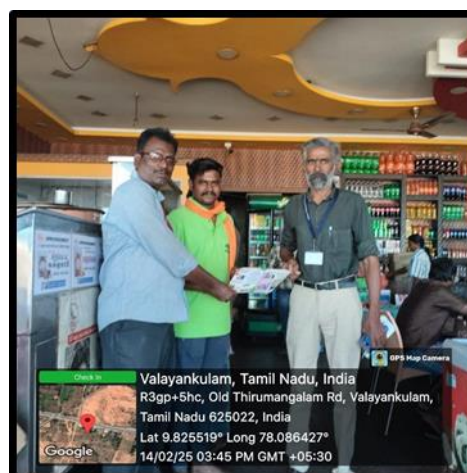
40. Date: 14.02.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On February 14, 2025, TCE EIACP, in collaboration with TCE NSS and GSDP candidates, organized an awareness rally in Soorakulam Village, Madurai District, to promote the reduction of Single-Use Plastics (SUP). The event saw 110 students actively engaging with the public, spreading messages about the harmful effects of SUP and advocating for its reduction and proper disposal. Participants distributed pamphlets

on waste segregation, recycling, and eco-friendly alternatives, encouraging the community to adopt sustainable practices.



Awareness Rally- Mission LiFE Programme

41. Date: 27.02.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On February 27, 2025, Dr. R. Vasudevan, Coordinator of TCE EIACP, delivered an insightful lecture on "Plastic Waste Management and How Plastics Make Life Easier" at the DeepTech Sensitization Programme organized by iTNT under the Ministry of IT, Tamil Nadu, at Anna University Regional Campus, Madurai. Dr. Vasudevan discussed effective plastic waste management strategies, focusing on reduction, recycling, and responsible disposal. He highlighted innovative uses of plastic waste in sustainable applications such as road construction and eco-friendly products like Plastone. The session also explored technological advancements to minimize plastic pollution while retaining the benefits plastics offer in industries, healthcare, and daily life. The lecture provided valuable insights to 105 participants, encouraging discussions on balancing sustainability with technological progress for a better future.



Seminar- Celebration of Mission LiFE Programme

42. Date: 07.03.2025

Name of the Environment Days Celebrated: World Sustainable Energy Day

Mode: Offline

On March 7, 2025, TCE EIACP PC-RP hosted a seminar on World Sustainable Energy Days at TCE, focusing on sustainability and energy conservation. The seminar featured a special lecture by Prof. Mathimaran Natrajan, Deputy Dean of International Relations at Pondicherry University, who spoke on "Sustainable Practices for a Better Future," highlighting renewable energy, eco-friendly technologies, and climate action. A key moment of the event was the launch of the Sustainable Development Goals (SDG) Club, a collaborative initiative to promote environmental conservation and sustainability. The SDG Club will spearhead campaigns; workshops etc., The seminar was attended by 100 participants.



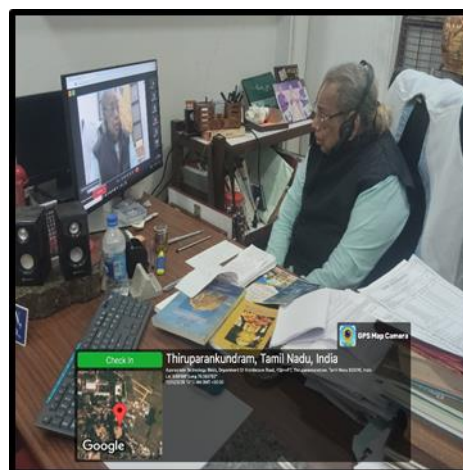
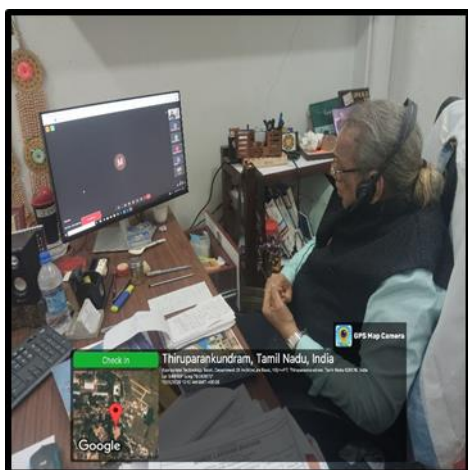
Seminar- Celebration of Mission LiFE Programme

43. Date: 11.03.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Virtual

On March 11, 2025, Dr. R. Vasudevan, renowned chemist and Padma Shri awardee, delivered a keynote lecture at the International Conference on Materials for Modern Applications, organized by the Department of Physics at Srimad Andavan Arts and Science College in Tiruchirappalli. Dr. Vasudevan discussed innovative solutions for plastic waste management, focusing on the use of waste plastics in creating durable and flexible pavements, which improves road longevity and reduces maintenance costs. He also highlighted sustainable methods of repurposing plastic waste into alternative materials, including Plastone, a composite made from plastic waste and stone. His insights reinforced the principles of Mission LiFE, promoting sustainable practices and responsible waste utilization. The session was attended by 100 participants.



Webinar- Celebration of Mission LiFE Programme

44. Date: 13.03.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On March 13, 2025, Thiagarajar College of Engineering (TCE) strengthened its global sustainability efforts by signing a Memorandum of Understanding (MoU) with the Environment Ministry of the Democratic Republic of Congo. The collaboration aims to implement waste plastic road technology in Congo, promoting innovative solutions for plastic waste management and sustainable infrastructure. It would likely

involve knowledge sharing, technology transfer, and collaborative projects on Plastic waste management and road construction.

Dr. A. Ramalinga Chandra Sekar, Co-Coordinator of TCE EIACP PC RP, and Dr. G. Balaji, Dean, Students, represented TCE at the signing. The initiative reflects the vision of Padma Shri awardee Dr. R. Vasudevan, whose breakthrough in using plastic waste for road construction has set new standards in eco-friendly engineering. This partnership highlights TCE EIACP's commitment to environmental innovation and global cooperation, offering a model for countries seeking sustainable solutions to plastic pollution. The event was attended by 200 participants.



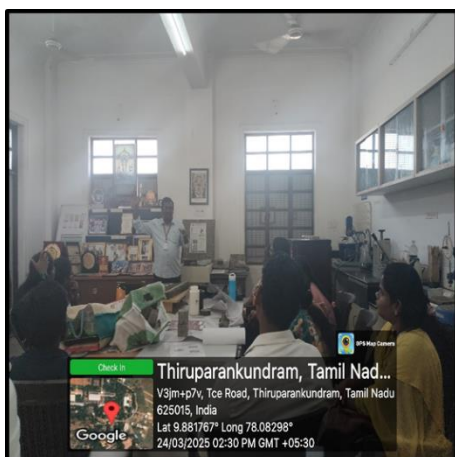
MOU Signing – Mission LiFE Programme

45. Date: 24.03.2025

Name of the Environment Days Celebrated: Mission LiFE Programme

Mode: Offline

On 24th March 2025, ten students from the TCE Incubation Cell visited the TCE EIACP PC-RP Centre to explore research initiatives aimed at mitigating plastic pollution. Guided by Dr. B. Sundara Kannan, Programme Officer at TCE EIACP, and the research team, the students learned about innovative solutions such as Plastone—a durable composite made from waste plastics and stone—and plastic tar road technology, which enhances road durability while addressing plastic waste. The interactive session offered valuable insights into sustainable innovations and real-world applications, inspiring the students to consider entrepreneurial and research opportunities in environmental conservation. The visit aligned with Mission LiFE's goal of promoting sustainable practices and responsible resource use.



Seminar- Celebration of Mission LiFE Programme

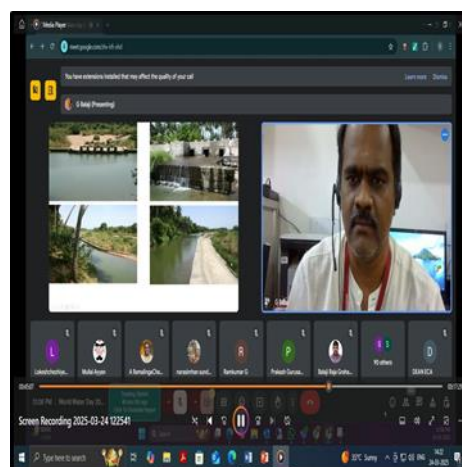
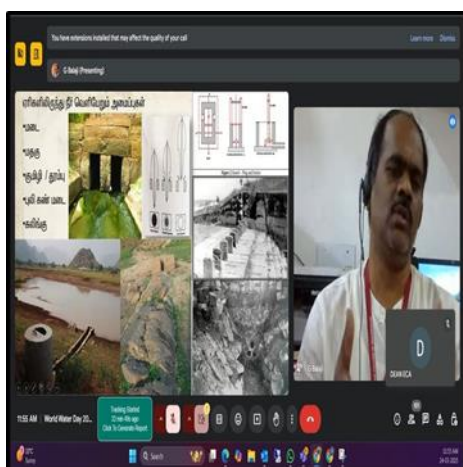
46. Date: 24.03.2025

Name of the Environment Days Celebrated: World Water Day

Mode: Virtual

In celebration of World Water Day 2025, TCE EIACP PC–RP organized a webinar on 24th March 2025, featuring a special lecture on “Traditional Water Management” by Dr. G. Balaji, Dean (Students) and Professor of Architecture at Thiagarajar College of Engineering, Madurai.

The session drew participation from over 100 students and faculty members representing various colleges across Tamil Nadu. Dr. Balaji delivered an insightful talk highlighting the significance of traditional water management practices and their relevance in today’s context. His lecture also touched upon vital themes such as Mission LiFE, green planning and thinking, and eco-friendly lifestyle choices.



Webinar- Celebration of World Water Day

Miscellaneous Activities

1. Name of the Event: Exhibition Stall @ Thiagarajar Arts College, Madurai

Date: 07.04.2024 & 08.04.2024

As part of a grand event held at Thiagarajar College of Engineering on the 7th and 8th of April 2024, the TCE Environmental Information, Awareness, Capacity Building and Livelihood Programme (EIACP-PC RP) actively participated by setting up an exhibition stall showcasing its innovative research and sustainability initiatives.

The two-day exhibition was inaugurated in the esteemed presence of Shri M. Venkaiah Naidu, former Vice President of India, who graced the occasion as the Chief Guest. His presence added great significance to the event, reinforcing the importance of sustainability and innovation in education and public engagement.

The TCE EIACP stall drew significant attention, featuring an impressive display of products made from waste plastics. Key highlights included Plastone blocks, tetrapod boulders, and samples from the plastic tar road technology developed under the leadership of Padma Shri awardee Dr. R. Vasudevan. Visitors were introduced to the center's pioneering efforts in transforming plastic waste into valuable construction materials, contributing to both environmental conservation and infrastructure development.

The team also showcased the Mission LiFE (Lifestyle for Environment) initiative, spreading awareness on sustainable living practices and encouraging behavioral change for environmental well-being. Informational materials and product demonstrations helped visitors understand the process of converting plastic waste into durable, eco-friendly materials, aligning with the circular economy model. The exhibition attracted students, faculty, entrepreneurs, and the general public, providing a platform for meaningful interactions, idea exchange, and future collaboration.



Exhibition Stall- Mission LiFE programme

2. Name of the Event: Constitution Day Celebration

Date: 26.11.2024

The seminar featured a special lecture by Padma Shri Dr. R. Vasudevan, the Coordinator of TCE EIACP, who delivered an insightful lecture titled "Our Constitution and Brilliance Values." Dr. Vasudevan's lecture focused on the fundamental principles enshrined in the Indian Constitution, emphasizing the core values of democracy, justice, liberty, and equality. 65 participants from various departments of TCE, the seminar was a successful gathering that enriched attendees' understanding of these significant constitutional values. Dr. Vasudevan elaborated on how the Constitution provides a framework for ensuring justice and equality, while safeguarding individual liberties. The lecture also highlighted the importance of fostering a sense of fraternity and democratic participation among citizens. Through this lecture, students not only gained knowledge about the Constitution but also

recognized their responsibility in upholding its ideals, thus becoming responsible and informed citizens.



Seminar- Celebration of Constitution Day

3. Name of the Event: One Day Boot Camp on Waste Management

Date: 29.11.2024

On 29th November 2024, the TCE EIACP PC-RP organized a one-day Waste Management Boot Camp under the Mission LiFE (Lifestyle for Environment) initiative. The event aimed to foster environmental awareness and promote sustainable waste management practices among students. A total of 50 students and 4 teachers participated in the camp, which featured a series of expert-led sessions and hands-on activities.

The camp was inaugurated by Dr. L. Ashok Kumar, Principal of Thiagarajar College of Engineering, who delivered an inspiring address on the importance of sustainable development and youth involvement in environmental conservation.

The day included five engaging sessions:

- i. Dr. M. Kottaisamy (Professor & Head, Chemistry Dept., TCE) gave an overview of waste types and the need for efficient waste handling.
- ii. Dr. S. Chandran (Professor, Civil Engineering Dept., TCE) focused on municipal solid waste management systems, backed by real-world examples.
- iii. Dr. A. Ramalinga Chandrasekar (Co-coordinator, EIACP) explained the significance of waste segregation at source and emerging technologies.

- iv. Dr. S.A.V. Elanchezian (Associate Professor, Architecture Dept., TCE) discussed upcycling waste into creative art, highlighting the potential of reuse.
- v. Dr. R. Vasudevan, Padma Shri Awardee and Coordinator of EIACP, presented innovative plastic waste management techniques, especially his pioneering work in plastic roads and Plastone.

The boot camp also featured interactive group activities and a quiz competition to assess knowledge gained during the sessions. Winners were awarded prizes and shields, while select students were honored with Waste Warrior Awards and badges for their active participation and commitment to environmental stewardship. The valedictory session concluded the day with felicitations for the winners and a call to action encouraging students to apply sustainable practices in their daily lives.



Join us for a fun and interactive one-day boot camp at TCE, where you'll learn how to take care of our planet!

Camp Outline

- This camp will discuss about the following broad areas:
 - Waste Segregation & Collection
 - Waste Reduction & Reuse
 - Waste Recycling & Disposal
 - Plastic Waste Management
- In addition to the above topics, the course includes the following activities:
 - Group Discussion on Waste Management
 - Art from Waste
 - Competition for drawing, speech, slogan writing
- Special Instructions
 - Students are encouraged to bring waste plastic items (avoid bringing hard plastics) from their home as the part of the exercise.
 - A Q&A session will be conducted after each report lecture.
 - Best performers in the Q&A and activities will be awarded the prestigious "Waste Warrior Badge" recognizing their outstanding contribution and engagement in the boot camp.
- Subject Experts**
 - Chief Guest:** **Dr. R. Vasudevan**
Padma Shri Awardee, Prof. of Chemistry, TCE, Co-ordinator, TCE EIACP PC-RP
 - Dr. M. Kottar Samp**
Expert: Waste Management, Prof. of Chemical Engineering, TCE
 - Dr. S. Chandran**
Expert: Waste Management, Prof. Dept. of Civil Engg. TCE
 - Dr. A. Ramalinga Chandra Sekar**
Expert: Plastic Waste Management, Asst. Prof. Chemistry TCE
 - Dr. S.A.V. Elanchezian**
Expert: Fine Arts, Asst. Prof. Dept. of Architecture, TCE

About the Camp

Become a Waste Warrior and learn how to protect our planet! This exciting boot camp is designed for students of standard 10 to 12 to learn and practice about the environment.

The Waste Management Boot Camp course outlines encompasses a comprehensive one-day program. It commences with an introduction to waste management, covering definitions, waste generation, environmental impacts, waste collection, transportation, disposal, waste segregation, collection systems, followed by waste processing, resource recovery, sustainable practices and community engagement, culminating in group projects showcasing innovative waste management plans.

Objectives

- Educate students on solid waste management principles.
- Develop critical thinking and problem-solving skills.
- Encourage sustainable practices & community engagement.

Prerequisites

- Basic knowledge of environmental science.
- Interest in sustainability and waste management.

Benefits:

- Make new friends and collaborate with peers.
- Gain practical skills in waste management.
- Earn certificates to show your commitment to sustainability.

After completing the camp course, the school students should be able to:

- Classify solid waste.
- Explain the functional aspects of SWM.
- Analyze the current situation of SWM in India.
- Explain about Plastic waste.
- Understand the current practices on Plastic Waste.

Certification: Participants receive a certificate of completion upon successfully finishing the boot camp.

Contact: Dr. R. Vasudevan
Cell No: +91 94424 19131 | Mail ID: drvasu@tce.edu
Web ID: www.tce.edu | www.bootcamp.in

Thiagarajar 67
College of Engineering
Creating quality and value education

Be a Hero for Planet
Get the skills to protect our environment sustainably

Waste Warriors

One-Day Boot Camp on Waste Management for School Students

Date: 29/01/2024 | Venue: TCE

Organized by

Ministry of Environment, Forest and Climate Change, Govt. of India

TCE EIACP PC-RP
ENVIRONMENTAL INFORMATION, AWARENESS, CAPACITY BUILDING AND LIAISON PROGRAMME (EIACP)- PROGRAMME CENTRE, RESOURCE PARTNER FOR PLASTIC WASTE MANAGEMENT

About the College

Thiagarajar College of Engineering (TCE), established in 1957 by philanthropic Avarities, Thiagarajar Chettiar, is a Government Aided Autonomous Institution affiliated with Anna University Chennai, and approved by AICTE. TCE offers 11 Undergraduate, 7 Postgraduate, and Ph.D. programs in Engineering, Architecture, and Science. Rooted in a serene, eco-friendly campus, TCE is renowned for its top-tier infrastructure and commitment to academic excellence.

TCE has embraced reforms in its teaching-learning process, including a Competency Based Curriculum, Outcome Based Education, and the CBED framework since 2018, emphasizing hands-on training. The launch of BIOC in 2022 and the Thiagarajar Research Fellowship (TRF) for Ph.D. scholars underlines TCE's focus on research innovation. Industry collaborations with global leaders, such as TCS, Infosys, have enhanced curriculum design and established cutting-edge labs like the T3 Skillathon Centre for Automotive Research.

TCE's participation in the Technical Education Quality Improvement Programme (TEQIP) under MHRD has shown faculty development, industry supported research, and governance improvements, solidifying its reputation as a leader in technical education.

About TCE EIACP PC-RP

The TCE EIACP PC-RP is a pioneering program center operating under the Environmental Information Awareness Capacity Building and Liaison Programme (EIACP), which is facilitated by the Ministry of Environment, Forest and Climate Change (MoEF&CC), Government of India. Established in 2018, this center has been officially recognized as an authorized Resource Partner, with a core focus on plastic waste management. Situated at Thiagarajar College of Engineering (TCE), the TCE EIACP PC-RP has been instrumental in driving sustainability initiatives, offering resources, information, and training in plastic waste management, thereby addressing pressing environmental challenges in India.

Mission

- To raise awareness about plastic waste management and promote environmentally sustainable practices among stakeholders and the general public.
- To build capacity through training programs, workshops, and educational initiatives that empower individuals to manage plastic waste effectively.
- To support research and development efforts in plastic waste utilization and encourage the application of innovative solutions within communities.
- To collaborate with industry, academia, and government bodies to foster policy-making, foster partnerships, and facilitate the implementation of plastic waste management practices.
- To inspire and enable growth through the Green Skill Development Programme (GSDP) to become skilled professionals in waste optimization and environmental stewardship.

Organizing Committee

Chief Patron
Dr. K. Nani Thiagarajar
Chairman and Correspondent
Thiagarajar College of Engineering

Patron
Dr. L. Ashok Kumar
Principal
Thiagarajar College of Engineering

Coordinators
"Plastic Waste Awardee"
Dr. R. Vasudevan
TCE EIACP PC-RP - Coordinator
Professor, Chemistry, TCE

Co Coordinators
Dr. A. Ramalinga Chandra Sekar
TCE EIACP PC-RP - Co-Coordinator
Assistant Professor, Chemistry, TCE

Dr. B. Sundararaman
Program Officer, TCE EIACP PC-RP, TCE

Dr. M. Chandrasekar
Information Officer, TCE EIACP PC-RP, TCE



Boot Camp- Mission LiFE Programme

Tree Plantation Campaign “Ek Ped Maa Ke Naam Campaign” and Distribution of Tree Saplings

1. Day: World Environment Day
Date: 28.05.2024
Venue: Near Dept. of Arch & Opp. To B-Block, TCE.

TCE EIACP Centre organized a meaningful tree plantation campaign titled "Ek Ped Maa Ke Naam" to honor the invaluable role of mothers and promote environmental conservation. The event took place with great enthusiasm and community participation.

As part of the campaign, 15 tree saplings were planted by staff, students, and volunteers, each dedicated in the loving memory or honor of their mothers. The initiative aimed to blend emotional connection with environmental responsibility, symbolizing care, nurturing, and growth. The plantation drive served as a gentle reminder of our duty towards both nature and the selfless love of mothers. It also aligned with the goals of Mission LiFE, encouraging sustainable living and climate-conscious actions

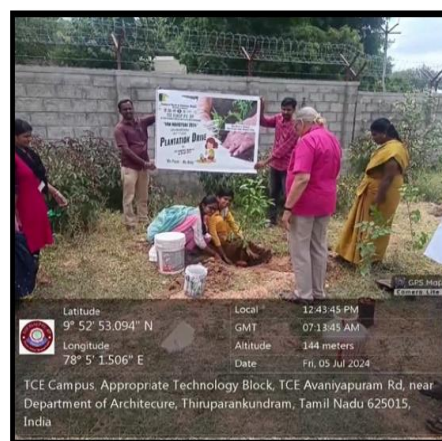
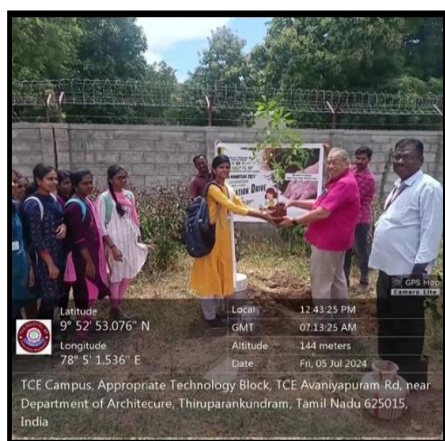


Tree Plantation Campaign – Celebration of World Environment Day

2. Day: Van Mahotsav
Date: 05.07.2024
Venue: Appropriate Technology Block, TCE

On the occasion of Van Mahotsav 2024, the TCE EIACP (PC-RP) organized a tree plantation drive on 05-07-2024 at TCE campus. The event aimed to promote environmental awareness and instill a sense of responsibility towards nature among students.

As part of the program, the TCE EIACP PC-RP team delivered an insightful lecture highlighting the significance of trees and forests in our daily lives, and emphasized the importance of protecting the environment for a sustainable future. The drive saw enthusiastic participation from 20 students and 5 staff members. Students actively took part in planting tree saplings across the campus. Moreover, they have committed to nurturing and taking care of the saplings, reinforcing the message of long-term environmental stewardship.



Celebration of Van Mahotsav

3. Day: World Nature Conservation Day
Date: 30.07.2024
Venue: Thirupparankundram Temple, Madurai

On 28th July 2024, the TCE EIACP PC – RP, in collaboration with the Madurai Civil Engineering Association, celebrated World Nature Conservation Day by organizing a tree sapling distribution program at the historic Thirupparankundram Temple, Madurai. The event aimed to promote awareness about the critical role of trees in maintaining ecological balance and combating climate change. As part of the initiative, 550 tree saplings were distributed to the public, encouraging them to contribute to a greener and healthier environment.

The program witnessed an overwhelming response, with more than 1500 people sensitized about the importance of environmental conservation through tree plantation. Volunteers and organizers engaged with the public, spreading key messages about sustainable living and the need to protect natural resources.



Celebration of World Nature Conservation Day

4. Day: World Elephant Day

Date: 12.08.2024

Venue: Thirupparankundram Temple, Madurai

On 12th August 2024, the TCE EIACP PC-RP organized a tree plantation drive at Panchayat Union Middle School, Thangalacheri, Madurai, as part of the #Plant4Mother and “Ek Ped Maa Ke Naam” campaign. The event aimed to instill environmental awareness among young minds. The TCE EIACP PC-RP team delivered a short lecture highlighting the importance of trees, forests, and environmental conservation in our daily lives and future sustainability. A total of 15 students and 2 staff members actively participated in the event by planting tree saplings within the school premises. The activity encouraged students to develop a deeper connection with nature and take ownership of protecting the environment.



Ek Ped Maa Ke Naam Campaign

5. Day: For Mission LiFE Celebration
Date: 25.08.2024
Venue: Thethampatti Village, Madurai

As part of the ongoing “Ek Ped Maa Ke Naam” campaign, the TCE EIACP PC – RP organized a tree sapling distribution program at Thethampatti Village, Madurai. This community-centered initiative was held to raise awareness about the importance of tree plantation and to encourage the public to take part in environmental protection efforts. A total of 55 tree saplings were distributed to the villagers, each symbolizing a tribute to the nurturing spirit of mothers and a step towards nurturing Mother Earth.



Tree Sapling Distribution

6. Day: For Mission LiFE Celebration
Date: 28.08.2024
Venue: Thiagarajar Mills Higher Secondary School, Kappalur.

On 28th August 2024, the TCE EIACP PC-RP conducted a tree plantation program at Thiagarajar Mills Higher Secondary School, Kappalur, as part of the #Plant4Mother and “Ek Ped Maa Ke Naam” campaign.

The event aimed to inspire young minds to understand the value of environmental stewardship. The TCE EIACP PC-RP team addressed the gathering with an insightful lecture on the importance of trees, forests, and the urgent need for environmental conservation. The interactive session encouraged students to reflect on their role in protecting nature. A total of 55 students and 4 staff members actively participated in planting tree saplings within the school premises



Ek Ped Maa Ke Naam Campaign

7. Day: For Mission LiFE Celebration

Date: 28.09.2024

Venue: Palamedu, Madurai

On 28th September 2024, the TCE EIACP PC-RP organized a tree plantation event at Palamedu, Madurai as part of the ongoing “Ek Ped Maa Ke Naam” campaign

During the event, the TCE EIACP PC-RP team engaged with the local community, delivering an informative talk on the vital role of trees and forests in sustaining life and the importance of environmental conservation. The session aimed to encourage individuals to take active responsibility in nurturing nature. A total of 10 community members and 3 staff members participated in the plantation drive, planting saplings and pledging to care for them. The event fostered awareness and a sense of ownership among the participants.



Ek Ped Maa Ke Naam Campaign

8. Day: For Mission LiFE Celebration
Date: 30.09.2024
Venue: TCE Indoor stadium

On 30th September 2024, the TCE EIACP PC-RP organized a tree plantation event at the TCE Indoor Stadium, Madurai, as part of the “Ek Ped Maa Ke Naam” campaign.

The event aimed to raise awareness about the crucial role of trees and forests in maintaining ecological balance. The TCE EIACP PC-RP team delivered an engaging lecture to students, highlighting the importance of tree plantation and environmental conservation. A total of 47 students and 3 staff members actively participated in planting saplings around the stadium premises. The initiative not only emphasized environmental responsibility but also encouraged students to take a personal pledge toward nurturing nature. The event served as a valuable educational and ecological experience, fostering a strong sense of environmental stewardship among the youth.



Ek Ped Maa Ke Naam Campaign

9. Day: For Mission LiFE Celebration
Date: 22.10.2024
Venue: TCE

As part of the “Ek Ped Maa Ke Naam” campaign, the TCE EIACP PC-RP organized a plantation drive on 22nd October 2024 at the TCE campus.

The event witnessed active participation from 15 students and 5 staff members, who came together to contribute to the green initiative. During the drive, over 10 tree saplings of various native species were planted in and around the campus. The activity

served as a practical step toward environmental stewardship, encouraging participants to take responsibility for nurturing the planted saplings and spreading awareness about the importance of trees in sustaining life and the planet.



Ek Ped Maa Ke Naam Campaign

10. Day: For Mission LiFE Celebration

Date: 29.11.2024

Venue: TCE

On November 29, 2024, TCE EIACP PC-RP conducted a plantation drive as part of the Ek Ped Maa Ke Naam campaign, which encourages people to plant trees in honor of their mothers while promoting environmental sustainability. The event saw active participation from around 10 students and 2 staff members. Guided by the staff, students were involved in every stage of the process—from preparing the soil to planting and caring for the saplings. This meaningful initiative aimed to raise awareness about the importance of green cover, inspire climate-conscious actions, and empower students to take the lead in promoting eco-friendly practices in their surroundings. Through such initiatives, TCE EIACP PC-RP continues to contribute to national environmental goals and instills the values of sustainability and reverence for nature among the younger generation.



Ek Ped Maa Ke Naam Campaign

11. Day: For Mission LiFE Celebration

Date: 10.01.2025

Venue: TCE

As part of the Ek Ped Maa Ke Naam campaign, TCE EIACP PC-RP organized a plantation drive on January 10, 2025, at the TCE campus. Ten staff members actively participated in planting 23 tree saplings, symbolizing a heartfelt tribute to mothers while promoting environmental sustainability.

The initiative marked a meaningful step toward enhancing green cover and fostering a cleaner, healthier environment. It also served to inspire continued support for eco-friendly actions and a greater sense of responsibility toward nature.



Ek Ped Maa Ke Naam Campaign

12. Day: For Mission LiFE Celebration
Date: 12.03.2025
Venue: Thiagarajar School of Environmental Design and Architecture (TSEDA), TCE

On March 12, 2025, TCE EIACP PC-RP organized a tree plantation drive at the Thiagarajar School of Environmental Design and Architecture (TSEDA), part of TCE, under the Ek Ped Maa Ke Naam campaign. Over 25 participants—including GSDP trainees, faculty, and staff—planted more than ten species of saplings across the campus. The initiative aimed to raise awareness about the role of trees in combating climate change, improving air quality, and supporting biodiversity. It reflected the TCE community's ongoing commitment to sustainability and environmental stewardship.



Ek Ped Maa Ke Naam Campaign

Plastic Waste Management: Awareness and Research Insights for Expert Delegates at TCE EIACP Lab

1. Date: 18.06.2024

Institutions/ Regions of Delegates: Lady Doak College, Madurai

An awareness session was conducted for the faculty members of Lady Doak College on Life Reduction of Single-Use Plastics and Processes Involved in Plastic Road Construction and Plastone Block Projects. The session was delivered by Dr. A. Ramalinga Chandra Sekar, Co-Coordinator, TCE EIACP. The program aimed to promote sustainable practices and showcase innovative applications of waste plastic in infrastructure development.

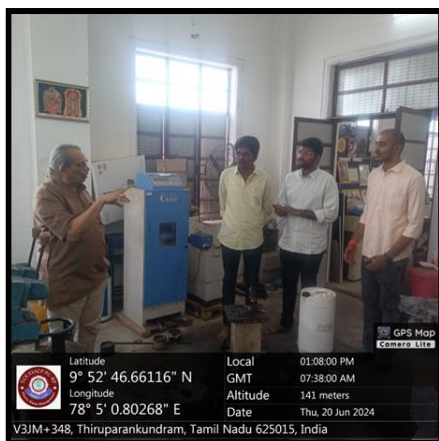


Plastic Waste management- Awareness Program

2. Date: 20.06.2024

Institutions/ Regions of Delegates: Students from BITS Pilani

Students from BITS Pilani recently visited the TCE EIACP PC-RP Center, where Dr. R. Vasudevan, Coordinator of TCE EIACP, delivered an enlightening lecture on cutting-edge environmental projects. During the lecture, Dr. Vasudevan explained how the Plastic Tar road project incorporates waste plastics into road construction, resulting in a more durable and eco-friendly alternative to traditional materials. This approach helps manage plastic waste and enhances the longevity and sustainability of road surfaces.



Plastic Waste management- Awareness Program

3. Date: 30.07.2024

Institutions/ Regions of Delegates: Volunteers from Tiny Miracles, Netherlands.

A team of volunteers from Tiny Miracles, Netherlands visited TCE EIACP on 30th July 2024. As part of their visit, they attended an awareness session on Life Reduction of Single-Use Plastics and were introduced to innovative plastic waste management techniques, including plastic road construction and Plastone block projects. The session was delivered by Dr. R. Vasudevan, Padma Shri Awardee, renowned as the Plastic Man of India. The visit provided valuable insights into sustainable plastic reuse and inspired global collaboration in addressing plastic pollution.



Plastic Waste management- Awareness Program

4. Date: 06.08.2024

Institutions/ Regions of Delegates: Suhora Technologies, Noida Uttar Pradesh.

Ms. Sakshi Jain and her team from Suhora Technologies, Noida, Uttar Pradesh, visited the TCE EIACP center. They were introduced to the center's work on plastic waste management and sustainable development. The visit included discussions on plastic road construction and Plastone block projects, focusing on using waste plastic for infrastructure and environmental conservation.

The interaction provided a platform for knowledge exchange, with both parties discussing the potential for implementing these sustainable practices in various regions. The visit underscored the importance of industry-academia collaboration in addressing environmental challenges and promoting eco-friendly technologies.

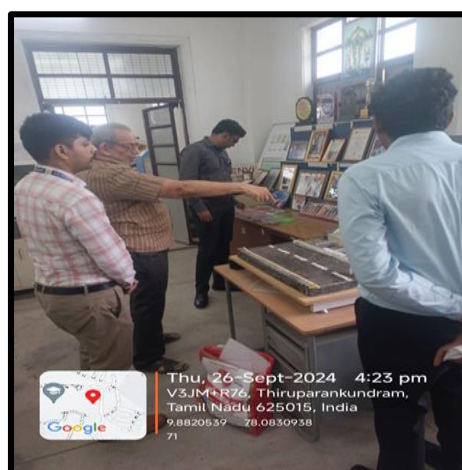


Plastic Waste management- Awareness Program

5. Date: 26.09.2024

Institutions/ Regions of Delegates: Startup TamilNadu

Dr. R. Vasudevan, Coordinator of TCE, delivered an enlightening seminar at the TCE EIACP Centre, focusing on the innovative use of waste plastics in the construction of flexible pavements. This event was attended by N.Subramanian , S.Dinesh kumar and his team from Startup Tamil Nadu, who gathered to explore sustainable solutions for infrastructure development. Dr. Vasudevan provided a comprehensive overview of how waste plastics can be effectively integrated into flexible pavement construction. The attendees from Startup Tamil Nadu expressed keen interest in adopting and scaling up these innovative practices, recognizing their significance in addressing environmental challenges and fostering sustainable development.



Plastic Waste management- Awareness Program

6. Date: 14.10.2024

Institutions/ Regions of Delegates: General Manager of NABARD (Madurai Zone) and his esteemed team

The General Manager of NABARD (Madurai Zone) and his esteemed team visited the TCE EIACP PC RP Lab on 14th October 2024 to gain valuable insights into plastic waste management and its practical applications. During the visit, the team was given a detailed briefing on the innovative use of waste plastics in road laying—a sustainable solution that not only helps in plastic waste reduction but also enhances road durability. In addition to the road construction process, the delegates were introduced to a range of eco-friendly products developed at the lab, such as Plastone and other recycled innovations. These products reflect the lab's commitment to creating practical, scalable solutions to environmental challenges.



Plastic Waste management- Awareness Program

7. Date: 18.10.2024

Institutions/ Regions of Delegates: Chairman of CII, Madurai Zone,

The Chairman of CII, Madurai Zone, visited the TCE EIACP PC RP Lab to understand ongoing initiatives in plastic waste management. During the visit, the team showcased the lab's research on using waste plastics in road construction and demonstrated innovative eco-products like Plastone. The visit provided an excellent platform to discuss sustainable practices and potential industry collaborations.



Plastic Waste management- Awareness Program

8. Date: 29.10.2024

Institutions/ Regions of Delegates: Managing Director of Bharat Engineering Solutions, Coimbatore.

The Managing Director of Bharat Engineering Solutions, Coimbatore, visited the TCE EIACP PC RP Lab to explore innovations in plastic waste management and sustainable engineering practices. The team provided insights into the lab's ongoing research, especially the application of waste plastics in road construction.

The delegate was also introduced to eco-friendly products such as Plastone and other recycled material-based innovations developed by the lab. The visit offered an excellent opportunity to exchange ideas on integrating sustainable solutions into engineering and infrastructure development, with potential for future collaboration.



Plastic Waste management- Awareness Program

9. Date: 11.11.2024

Institutions/ Regions of Delegates: Engineers from HJ Group of Companies in Kinshasa, Congo.

A team of engineers from the HJ Group of Companies, Kinshasa, Congo, visited the TCE EIACP PC RP Lab to understand innovative approaches in plastic waste management and sustainable construction practices. The delegation was briefed on the lab's pioneering work in incorporating waste plastics into road laying processes and its environmental and structural benefits. The engineers also explored various eco-friendly products developed at the lab, including Plastone and other recycled-material-based innovations. The visit fostered international knowledge exchange and opened doors for future collaborations in promoting green engineering solutions.



Plastic Waste management- Awareness Program

10. Date: 15.11.2024

Institutions/ Regions of Delegates: Mr. Manjunath Prasad, the Quality Manager of Bitcol Elrich Bituminous Systems Pvt. Ltd. in Dindigul,

Mr. Manjunath Prasad, the Quality Manager of Bitcol Elrich Bituminous Systems Pvt. Ltd., Dindigul, visited the TCE EIACP PC RP Lab to gain insights into sustainable practices in bituminous road construction and plastic waste management. He was briefed on the lab's ongoing research into the use of waste plastics in road laying, a technique that not only promotes eco-friendliness but also enhances pavement performance.



Plastic Waste management- Awareness Program

11. Date: 25.11.2024

Institutions/ Regions of Delegates: Dr. V. Sanjeevi, the Director of Vellore International School.

Dr. V. Sanjeevi, the Director of Vellore International School, visited the TCE EIACP PC RP Lab to explore educational opportunities related to plastic waste management and sustainability. During the visit, he was introduced to the lab's key initiatives, including the use of waste plastics in road laying and the development of eco-friendly products such as Plastone. The visit emphasized the importance of environmental education and the potential for school collaborations to promote sustainability among students.



Plastic Waste management- Awareness Program

12. Date: 26.11.2024

Institutions/ Regions of Delegates: Ambassador Mossi Nyamale Rosette, the esteemed Ambassador of the Democratic Republic of Congo to India

Ms. Mossi Nyamale Rosette, the esteemed Ambassador of the Democratic Republic of Congo to India, visited the TCE EIACP PC RP Lab to explore innovative plastic waste management and potential collaboration. The Ambassador was briefed on the lab's work with waste plastics in road construction, including eco-friendly products like Plastone. Following the visit, an MOU was signed between TCE EIACP and the Democratic Republic of Congo to collaborate on plastic Tar road technology, strengthening international ties in sustainable development.



Plastic Waste management- Awareness Program

13. Date: 24.12.2024

Institutions/ Regions of Delegates: Scientists from the Zoological Survey of India, Patna, and the Botanical Survey of India, Noida

On 24th December 2024, scientists from the Zoological Survey of India (Patna) and the Botanical Survey of India (Noida) visited the TCE EIACP PC RP Lab to explore the intersection of environmental sustainability and biodiversity. The team was briefed on the lab's initiatives in plastic waste management, particularly the innovative use of waste plastics in road construction. The scientists were also introduced to various eco-friendly products, including Plastone, and discussed the potential ecological benefits of integrating such technologies into conservation efforts.

This visit marked a significant step towards fostering collaborations between research institutions and technological innovators, aiming to develop holistic strategies for environmental sustainability and biodiversity preservation.



Plastic Waste management- Awareness Program

14. Date: 26.12.2024

Institutions/ Regions of Delegates: School Students,

On 26th December 2024, a group of school students visited the TCE EIACP PC RP Lab as part of an educational initiative to raise awareness about plastic waste management and sustainability. The students were introduced to the lab's research on the use of waste plastics in road construction and were shown eco-friendly products like Plastone. The visit included hands-on demonstrations and discussions on the importance of environmental responsibility, inspiring students to adopt sustainable practices in their daily lives. This educational initiative aligns with the center's commitment to fostering environmental awareness among the younger generation and promoting eco-friendly technologies. By engaging students in practical learning experiences, the TCE EIACP PC-RP center continues to play a pivotal role in shaping environmentally conscious citizens.

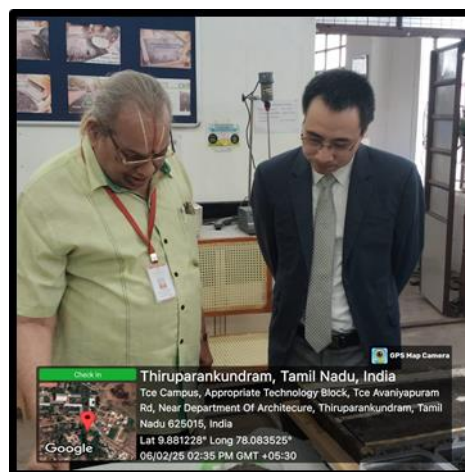


Plastic Waste management- Awareness Program

15. Date: 06.02.2025

Institutions/ Regions of Delegates: Professor Yong Wang from Binghamton University.

On 6th February 2025, Professor Yong Wang from Binghamton University visited the TCE EIACP PC RP Lab to explore cutting-edge research in plastic waste management and sustainable infrastructure. The professor was briefed on the lab's innovative use of waste plastics in road construction and introduced to eco-friendly products like Plastone. The visit fostered meaningful discussions on potential academic collaboration and the integration of green technologies into research and development. Professor Wang showed a keen interest in the lab's ongoing initiatives, which align with sustainable engineering and environmental conservation.



Plastic Waste management- Awareness Program

16. Date: 19.02.2025

Institutions/ Regions of Delegates: Professor T. Mohan Das, Professor & Head, Dept. of Chemistry, Central University of Tamil Nadu

On 19th February 2025, Professor T. Mohan Das, Professor & Head of the Department of Chemistry at the Central University of Tamil Nadu, visited the TCE EIACP PC RP Lab to explore advanced research in plastic waste management and sustainable material development. The professor was briefed on the lab's innovative approaches to incorporating waste plastics in road construction and other eco-friendly solutions like Plastone. The visit facilitated insightful discussions on potential academic collaborations and the application of chemical research to improve sustainable technologies.



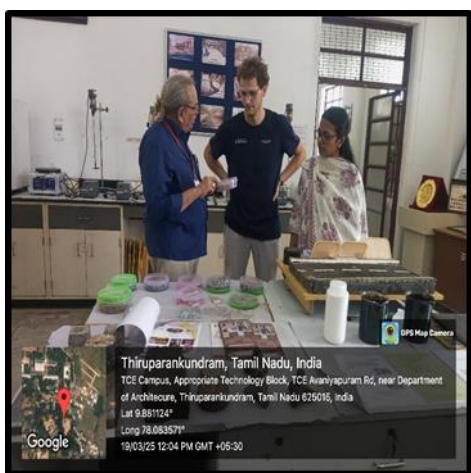
Plastic Waste management- Awareness Program

17. Date: 19.03.2025

Institutions/ Regions of Delegates: Thibault Roudier, a French expert from the Plastic Odyssey project in Chennai

On 19th March 2025, Thibault Roudier, a French expert from the Plastic Odyssey project, visited the TCE EIACP PC RP Lab to explore innovative approaches to plastic waste management and sustainable technologies. The expert was briefed on the lab's groundbreaking work in utilizing waste plastics for road construction and introduced to eco-friendly solutions like Plastone.

The visit sparked engaging discussions on the global impact of plastic waste and potential opportunities for international collaboration in addressing plastic pollution.



Plastic Waste management- Awareness Program

18. Date: 21.03.2025

Institutions/ Regions of Delegates: Experts from Netherland

On 21st March 2025, a group of experts from the Netherlands visited the TCE to explore innovative solutions in plastic waste management and sustainable infrastructure. The delegation was briefed on the lab's pioneering work in using waste plastics for road construction, as well as eco-friendly products like Plastone. The visit fostered meaningful discussions on potential collaborations between the Netherlands and India in advancing green technologies and addressing plastic pollution. The experts showed great interest in the lab's initiatives and the potential for joint projects that can contribute to global sustainability efforts.



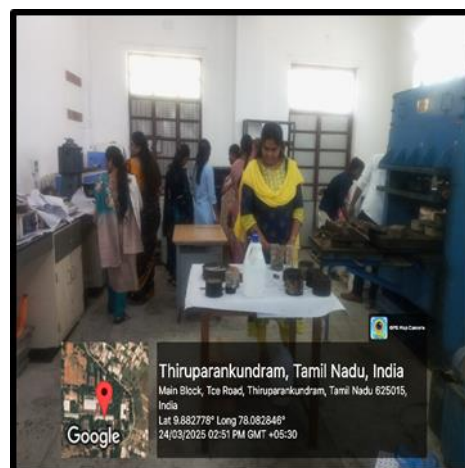
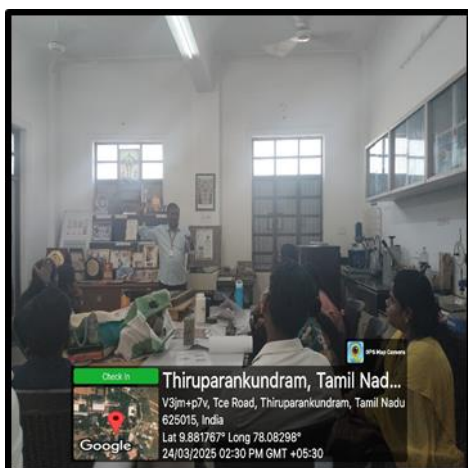
Plastic Waste management- Awareness Program

19. Date: 24.03.2025

Institutions/ Regions of Delegates: Students from the TCE Incubation Cell

On 24th March 2025, a group of students from the TCE Incubation Cell visited the TCE EIACP PC RP Lab as part of their learning initiative on sustainable technology and innovation. The students were introduced to the lab's research on plastic waste management, including the use of waste plastics in road construction and eco-friendly products like Plastone.

The visit provided an interactive platform for students to explore how innovation and sustainability intersect, with discussions on the role of technology in tackling environmental challenges. The students expressed great interest in the lab's initiatives and explored potential opportunities for future collaborations in sustainable development projects.



Plastic Waste management- Awareness Program

Competitions

World Environment Day 2024:

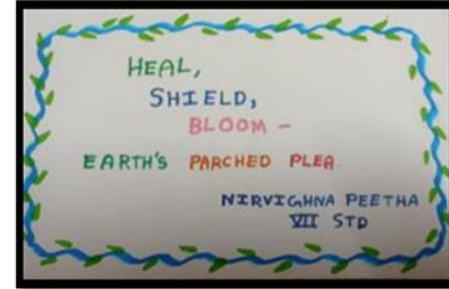
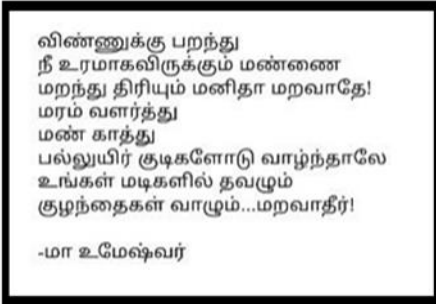
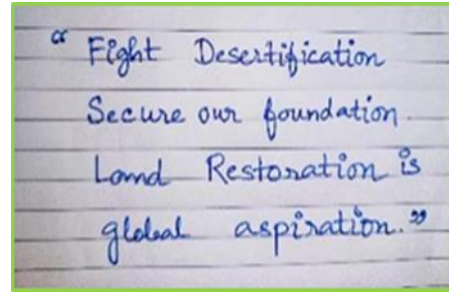
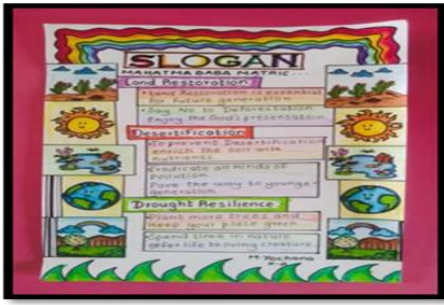
In celebration of World Environment Day 2024, TCE EIACP PC-RP organized a series of competitions for school and college students, centered around the theme “Land Restoration, Desertification, and Drought Resilience.” The events were conducted over a span of ten days, from 27th May to 5th June 2024, aiming to engage and inspire youth through creative and educational activities focused on environmental awareness. To highlight and promote the series of events, a banner was specially designed and displayed prominently within the college campus. The banner showcased the theme “Land Restoration, Desertification, and Drought Resilience” and served to create awareness among students and staff about the World Environment Day 2024



World Environment Day 2024- Display of Banner

1. Environmental Days Observed: World Environment Day 2024
Event Date: 28.05.2024
Name of the Competition: Slogan Writing

To commemorate World Environment Day 2024, a slogan writing competition was organized for school and college students on 28th May 2024. The event saw enthusiastic participation from students who showcased their creativity and awareness through impactful slogans. The best entries were recognized and rewarded, encouraging young minds to contribute to environmental conservation through the power of words.



2. Environmental Days Observed: World Environment Day 2024
Event Date: 29.05.2024
Name of the Competition: Model Making for School Students

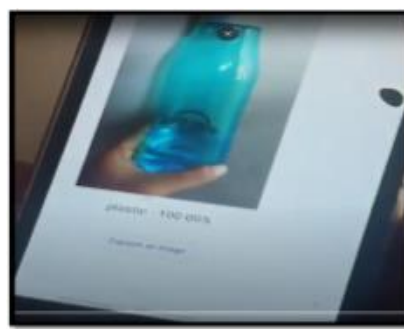
As part of the World Environment Day 2024 celebrations, a model-making competition was conducted for school students on 29th May 2024. Students actively

participated by creating innovative and eco-friendly models that reflected environmental themes and sustainable solutions. The event aimed to inspire creativity and raise awareness about environmental issues among young learners. Outstanding models were appreciated and awarded.



3. Environmental Days Observed: World Environment Day 2024
 Event Date: 31.05.2024
 Name of the Competition: Mobile App Development Contest

As part of the World Environment Day 2024 celebrations, a model-making competition was organized for school students on 29th May 2024. Aligned with the theme “*Land restoration, desertification and drought resilience*”, the event encouraged students to build creative models showcasing ideas for land restoration, sustainability, and environmental protection. Participants presented thoughtful and innovative concepts, reflecting a strong awareness of environmental challenges. The most impressive models were recognized and awarded, inspiring students to contribute towards a greener future.



4. Environmental Days Observed: World Environment Day 2024
 Event Date: 01.06.2024
 Name of the Competition: Photography Competitions for College Students

As part of the World Environment Day 2024 celebrations, a photography competition was organized for college students on 1st June 2024. Aligned with the

theme “Land Restoration, Desertification, and Drought Resilience”, the contest invited students to capture powerful images that reflect the beauty of nature, the impact of land degradation, and the resilience needed to restore ecosystems. Participants submitted stunning photographs that told compelling stories of environmental challenges and hope. The most impactful entries were recognized and awarded, encouraging youth to use their lenses for a greater cause.



5. Environmental Days Observed: World Environment Day 2024

Event Date: 02.06.2024

Name of the Competition: Skit

To commemorate World Environment Day 2024, EIACP PC-RP in association with the TCE Drama Club organized a thought-provoking skit on 2nd June 2024. The performance focused on the theme “Land Restoration, Desertification, and Drought Resilience” and aimed to raise awareness about the urgent need to conserve our planet. Through powerful storytelling and impactful acting, the skit highlighted the importance of protecting the Earth and adopting sustainable practices. It was shared with a large audience, leaving a lasting impression and sparking meaningful conversations on environmental responsibility.





6. Environmental Days Observed: World Environment Day 2024

Event Date: 04.06.2024

Name of the Competition: Rangoli Making Competition

As part of World Environment Day 2024 celebrations, a Rangoli Making Competition was held on 4th June, embracing the theme “Land Restoration, Desertification, and Drought Resilience.” Participants used natural colors and traditional designs to creatively highlight environmental sustainability and land protection. The vibrant rangolis delivered strong messages on restoring the Earth and building climate resilience. Outstanding thematic creations were appreciated and awarded, showcasing cultural expression as a powerful tool for environmental awareness.



7. Environmental Days Observed: International day for the Preservation of ozone

Event Date: 23.09.2024

Name of the Competition: Drawing Competition

Online Drawing Competition for school students is conducted under two groups (Group A – 6th-8th Std, Group B – 9th-12th Std). The Drawing Competition was conducted under the theme on “Importance of Ozone layer and its reason for degradation”. 150 students from different parts of country had actively participated in the competition and exhibited their skills under the theme Importance of the Ozone layer and its reason for degradation.



National Energy Conservation Day 2024:

National Energy Conservation Day was celebrated by TCE EIACP PC RP through a series of engaging events organized for school and college students. All the events were conducted through online mode, ensuring wide participation and accessibility. A brochure for the event was prepared and circulated across schools and colleges, providing detailed information about the various competitions, including guidelines, themes, and submission deadlines. This celebration highlights TCE EIACP's strong commitment to advancing the objectives of the Mission LiFE (Lifestyle for Environment) initiative launched by the Government of India. Prizes for the winners were distributed on 13.12.2024, recognizing and appreciating the efforts and creativity of the participants. The details of the various events conducted to mark this occasion are provided below.

ENERGY AMBASSADOR PROGRAMME 2024

EVENTS FOR COLLEGE STUDENTS

- Student-Built Physical Models for Energy Conservation**
To showcase of innovative, student-built physical models demonstrating practical energy conservation solutions.
- Energy Audit Report: Analyzing and Enhancing Efficiency**
Students present detailed energy audit reports, showcasing strategies to optimize energy use and reduce waste.
- Energy Saving Memes: Sparking Conservation by Humor**
Creative and impactful memes designed by students to promote energy conservation and inspire awareness in a fun, relatable way.

& ENERGATHON 24

TOPIC

THE SMART HOUSEHOLD ENERGY AUDIT APP

"Design and develop an innovative app that helps households conduct energy audits, promoting efficiency and conservation with ease."

Important Dates
Last date for Submission: 06.01.2025
Announcement of results: 10.01.2025
Workshop & Prize distribution: 22.01.2025

Who can Participate?
All Students from Engineering College, Polytechnic College, Art and Science College

Supported by
Rajiv Gandhi Medical Presidency

About TCE
Thiagarajar College of Engineering (TCE), established in 1957 by philanthropist Karaikal Thiagarajar Chettiar, is a Government Aided Autonomous Institution affiliated with Anna University, Chennai, and approved by AICTE. TCE offers 11 Undergraduate, 7 Postgraduate, and Ph.D. programs in Engineering, Architecture, and Science. Nestled in a serene, eco-friendly campus, TCE is renowned for its top-tier infrastructure and commitment to academic excellence.

TCE has embraced reforms in its teaching-learning process, including a Competency-Based Curriculum, Outcome-Based Education, and the CQO framework since 2018, emphasizing hands-on training. The launch of MOOCs in 2021 and the Thiagarajar Research Fellowship (TRF) for Ph.D. scholars underscore TCE's focus on research innovation. Industry collaborations with global leaders, such as TVS Motors, have enhanced curriculum design and established cutting-edge labs like the TS Sri Viswanath Centre for Automotive Research.

TCE's participation in the Technical Education Quality Improvement Programme (TEQIP) under MHRD has driven faculty development, industry-supported research, and governance improvements, solidifying its reputation as a leader in technical education.

About IAEMP
The Indian Association of Energy Management Professionals (IAEMP) is a group of highly qualified, committed, and dynamic conscience keepers to the nation on energy matters. IAEMP is driven by Energy Auditors, Energy Managers, Energy Management Professionals from Industry and Academia towards a greener future by adopting latest technologies in Energy Management.

ENERGY AMBASSADOR PROGRAMME 2024

EVENTS FOR SCHOOL STUDENTS

- Slogan Writing on Energy Conservation**
Students to craft impactful slogans that promote energy conservation & inspire action.
- Energy Awareness Poster Making**
Students design creative posters that spread awareness about energy saving practices.
- Energy Conservation Drawing**
A creative drawing competition where students illustrate concepts & ideas.
- Energy Saving Activity at Home**
Students participate in energy-saving activities at home and share their results.

Important Dates
Last date for Submission: 06.01.2025
Announcement of results: 10.01.2025
Workshop & Prize distribution: 22.01.2025

Organizing Team
Mr. C. Naveen Arasu, Info. Tech. Officer, TCE EIACP
Abhinayakamathi, M. Students Team
Divya Murthybabum, Department of EEE, Department of EEE

Who can Participate?
All Schools Students from Standard 1 to 12

Attractive Cash Prizes
Have prizes in every category
Participation certificate for all students

Contact: Dr. B. Ashok Kumar
+91 9095550066 / ashokudt@tce.edu
www.tce.edu / www.tceiaccp.in

Thiagarajar College of Engineering 67 YEARS

where quality and ethics matter

is Affiliated with
TCE
IAEMP
COMBATORIAL CHAPTER

Energy Ambassador Programme 2024

Energy Conservation Week Competitions - 2024
A NATIONAL LEVEL TECHNICAL EVENT
No Registration Fee
Date: 22.01.2025
Venue: KS Auditorium, TCE

Organized on account of
National Energy Conservation Day 2024

Faculty of Environmental, Social & Climate Change
TCE EIACP PC-RP
ENVIRONMENTAL, INFORMATION, AND RESOURCES, SAFETY BUILDING
AND LAY-OUTS PROGRAMS (EASBP), PROGRAMS FOR
RESEARCH AND INNOVATION FOR A BETTER WORLD

Organizing Committee

Chief Patron
Mr. K. Hari Thiagarajan
Chairman and Correspondent
Thiagarajar College of Engineering

Patron
Dr. L. Ashok Kumar
Principal
Thiagarajar College of Engineering

Coordinators
"Padmasri Awardee"
Dr. R. Vasudevan
TCE EIACP PC-RP - Coordinator
Professor, Chemistry, TCE

Dr. V. Saravanan
Professor, Dept. of EEE, TCE

Dr. B. Ashok Kumar
Associate Prof., Dept. of EEE, TCE

Dr. A. Ramalinga Chandra Sekar
TCE EIACP PC-RP - Co-Coordinator
Assistant Professor, Chemistry, TCE

Organizing Team
Mr. S. Rajkumar
Asst Prof., Dept. of Mechanicals, TCE

Dr. B. Sundarakannan
Program Officer, TCE EIACP PC-RP, TCE

Mr. M. Chander Kumar
Info. Officer, TCE EIACP PC-RP, TCE

8. Environmental Days Observed: National Energy Conservation Day 2024

Event Date: 06.12.2024

Name of the Competition: Energy Audit Report College Presentation

As part of the National Energy Conservation Day celebrations, an Energy Audit Report Presentation competition was organized exclusively for college students. The event aimed to encourage young minds to explore and present innovative ideas on energy conservation through practical audits and analysis. Outstanding participants were recognized for their efforts, and prizes were awarded to the best-performing students. In addition, a special prize was presented to a participant for their exceptional insights and creativity.

9. Environmental Days Observed: National Energy Conservation Day 2024

Event Date: 06.12.2024

Name of the Competition: Energy Awareness Meme Creation

In celebration of National Energy Conservation Day 2024, a creative competition titled Energy Awareness Meme Creation was conducted for college

students. This event encouraged participants to use humor and creativity to spread powerful messages about energy conservation and sustainability through memes.

The initiative aimed to engage youth in a fun and relatable way, aligning with the goals of Mission LiFE. Prizes were awarded to the best entries, and a special prize was given for the most impactful and innovative meme.



Prize Distribution Ceremony

10. Environmental Days Observed: National Energy Conservation Day 2024

Event Date: 06.12.2024

Name of the Competition: Energy Conservation Project Models

As part of the National Energy Conservation Day 2024 celebrations, a competition on Energy Conservation Project Models was organized for college students. The event aimed to inspire innovative thinking and practical application of energy-saving techniques through model-making. Students showcased a variety of creative and functional models that demonstrated effective energy conservation methods. A special prize was awarded to the best-performing team, comprising three students, for their outstanding and impactful project.

11. Environmental Days Observed: National Energy Conservation Day 2024

Event Date: 06.12.2024

Name of the Competition: Energathon App Development

As part of the National Energy Conservation Day 2024 celebrations, the Energathon – App Development competition was held for college students. Participants were tasked with designing mobile apps focused on energy conservation and sustainability. Top teams were awarded prizes for their creativity and app functionality, while a special prize was given to a team for exceptional innovation and real-world application potential.

12. Environmental Days Observed: National Energy Conservation Day 2024
Event Date: 06.12.2024
Name of the Competition: Drawing Competition

As part of the National Energy Conservation Day 2024 celebrations, a Drawing Competition was organized for school students, aiming to engage them in creative expressions on energy conservation. To ensure fair participation, the students were divided into two categories:

- Group 1: 1st to 6th Standard
- Group 2: 7th to 12th Standard

The competition encouraged students to illustrate energy-saving practices and environmental awareness through their artwork. Prizes were awarded separately for each category, recognizing the best drawings in terms of creativity, theme relevance, and artistic expression. The event was successfully conducted, showcasing the enthusiasm of students in contributing to energy conservation awareness through art.



13. Environmental Days Observed: National Energy Conservation Day 2024
Event Date: 06.12.2024
Name of the Competition: Slogan Writing Competition

As part of the National Energy Conservation Day 2024 celebrations, a Slogan Writing Competition was conducted for school students to encourage them to creatively express the importance of energy conservation. Participants were divided into two categories:

- Group 1: 1st to 6th Standard
- Group 2: 7th to 12th Standard

Students enthusiastically crafted impactful and thought-provoking slogans focused on saving energy and protecting the environment. Prizes were awarded separately for each group, recognizing the most meaningful and well-articulated slogans. The competition highlighted the students' awareness and their ability to communicate strong environmental messages in a few powerful words.



14. Environmental Days Observed: National Energy Conservation Day 2024
 Event Date: 06.12.2024
 Name of the Competition: Poster Making Competition

As part of the National Energy Conservation Day 2024 celebrations, a Poster Making Competition was organized for school students to promote creative visual communication on energy conservation themes. To ensure equal opportunity, participants were divided into two categories:

- Group 1: 1st to 6th Standard
- Group 2: 7th to 12th Standard

Students actively participated by designing informative and visually appealing posters reflecting ideas on saving energy and sustainable living. Prizes were awarded separately for each group, appreciating the creativity, clarity, and message of the posters. The competition successfully engaged young minds in spreading awareness about responsible energy use through art.

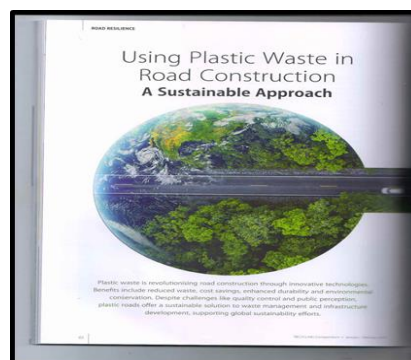
15. Environmental Days Observed: National Energy Conservation Day 2024
 Event Date: 06.12.2024
 Name of the Competition: Energy Saving Activity Competition

As part of the National Energy Conservation Day 2024 celebrations, an Energy Saving Activity Competition was conducted exclusively for school students of 7th to 12th Standard. The objective was to encourage students to implement and showcase simple, practical energy-saving actions in their daily lives. Participants creatively demonstrated activities such as switching off unused appliances, promoting the use of natural light, and other sustainable habits at home or school. The competition helped reinforce energy-conscious behavior among students. Prizes were awarded to the most impactful and well-documented energy-saving efforts.

17. Knowledge Products:

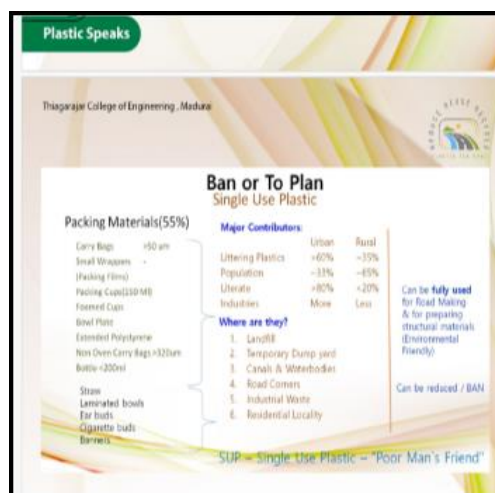
- a. Analytical reports published for the respective State/UTs: NA
 - b. Analytical reports published based on the assigned themes: NA
 - c. Distribution network of Reports-Nil
 - d. Development of mobile apps- Nil
 - e. Development of information kits/documentaries etc.
1. Article in Polymer Communiqué:

Professor Dr. R. Vasudevan, Coordinator of TCE EIACP, shared his insights on the effective use of waste plastics in road construction and the development of sustainable alternative products. He authored an article on these topics, published in the January–February 2025 edition of Polymer Communiqué. The article has been widely circulated across academic institutions, industries, and other sectors.



2. Knowledge Product on Plastic Waste management

The TCE EIACP Centre has developed a knowledge product on plastic waste management, which has been widely disseminated across academic institutions, schools, industries, and public libraries to promote awareness and share best practices on effective plastic waste management.



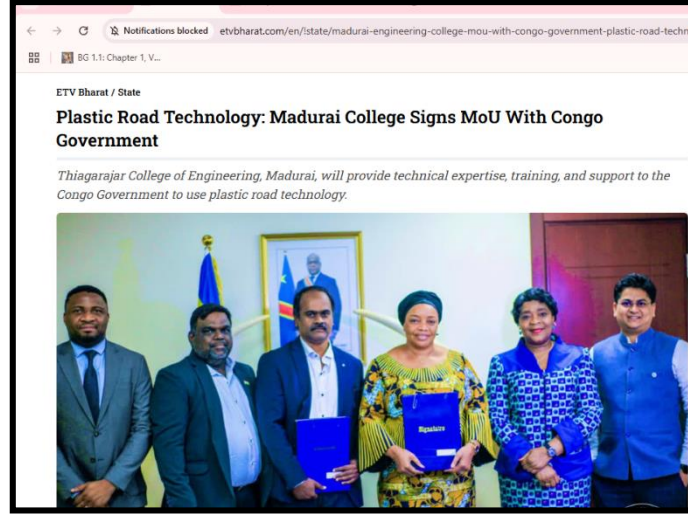
f. Special Publications/Newsletter Published (Printed/online version)

1. MOU with Democratic Republic of Congo

Thiagarajar College of Engineering (TCE), Madurai, has signed a landmark Memorandum of Understanding (MoU) with the Government of the Democratic Republic of Congo to transfer and implement innovative Plastic Road Technology in Congo, paving the way for cleaner, more sustainable, and eco-friendly infrastructure development. The MoU was formalized on March 13, 2025, in Kinshasa, Democratic Republic of Congo, under the leadership of Mr. K. Hari Thiagarajan, Chairman of TCE, and Dr. L. Ashok Kumar, Principal, according to a press release.

On behalf of TCE, the MoU was signed by Dr. G. Balaji, Dean (Students), and Dr. A. Ramalinga Chandra Sekar, Assistant Professor in the Department of Chemistry and Co-coordinator of TCE EIACP, along with Ms. Maitre Eve Bazaiba Masudi, Minister of Environment and Sustainable Development, Democratic Republic of Congo. The signing took place in the presence of senior government officials and dignitaries. The MoU signing has been featured in both the printed and online editions of leading newspapers, highlighting this significant step towards international collaboration in sustainable infrastructure development.

Link: <https://www.etvbharat.com/en/!state/madurai-engineering-college-mou-with-congo-government-plastic-road-technology-enn25032404242>



2. Article in <https://www.etvbharat.com/>

Dr. R. Vasudevan, Coordinator of the EIACP Centre at Thiagarajar College of Engineering (TCE), Madurai, recently shared his views on ETV Bharat about the innovative use of waste plastics. Known as the "Plastic Man of India," Dr. Vasudevan explained how waste plastics can be effectively used in road construction and in creating sustainable alternatives to conventional products. His insights highlighted the importance of adopting eco-friendly technologies to manage plastic waste and promote sustainable development. The program received wide appreciation across academia, industry, and policymaking circles.

Link: <https://www.etvbharat.com/ta!/state/padma-shri-vasudevan-said-that-600-lakh-tonnes-of-plastic-waste-per-year-is-needed-to-improve-indian-roads-tamil-nadu-news-tns25012005650>



18. Partnerships developed (list)

1. Green Ethics Private Limited
2. 5 Elements Eco Tech Pvt Ltd
3. St.Thomas Charitable and Educational Trust
4. The Ramraj Associates
5. The Society for Community Organisation and People's Education (SCOPE)

19. Details of hardware purchased under EIACP scheme with date of purchase

	Hardware item	Specification	Sanction Order with Date	Date of procurement
Procured from ENVIS Grant	Desktops - 4	Intel i5, DDR 3, HDD 1TB, RAM, 4GB, Monitor 18.5", OS: windows 10 original,	26-02-2019; No: F. No. 23/18/2018-EI	17/09/2018
	Printer - 1	EPSON L565 All In One - Ink Tank Printer	26-02-2019; No: F. No.23/18/2018-EI	20/07/2018

20. Issues/ hurdles faced in undertaking EIACP activities: NIL

21. Anticipated Products & Processes of Practical/Technological utility /Socio economic relevance evolved if any.

We've pioneered a revolutionary technology for building plastic Tar roads, utilizing a wide range of waste plastics (excluding PET bottles) to create flexible pavements. This innovative approach has garnered significant attention and support from the Government of India. To date, we've successfully laid over 300,000 kilometers of road across the country, including strategic border roads.

Another groundbreaking achievement is the development of "Plastone Blocks," a hybrid material blending plastic and stone. These blocks offer a superior alternative to traditional cement concrete paver blocks, boasting enhanced load-bearing capacity and temperature resistance. The cementless composition of Plastone Blocks makes them an attractive option for various applications.

Currently, we're exploring the next frontier in sustainable infrastructure development – creating Tetrapod Boulders using a combination of waste plastics and stone. This novel approach has the potential to further reduce waste, promote eco-friendly construction practices, and contribute to a more sustainable future.

Some key benefits of our technologies include:

Waste reduction: Utilizing waste plastics in road construction and infrastructure development helps mitigate the environmental impact of plastic waste.

Improved durability: Plastone Blocks and plastic Tar roads demonstrate enhanced load-bearing capacity and temperature resistance, ensuring longer lifespan and reduced maintenance needs.

Sustainable construction: Our innovative materials and methods promote eco-friendly practices, reducing the reliance on traditional cement-based solutions.

22. Unique ideas/Initiatives

The TCE EIACP PC-RP is making a positive impact on environmental conservation by not only spreading awareness but also conducting research in sustainability themes, specifically focusing on the degradation of plastic waste. This research can provide valuable insights and solutions for countries struggling with waste management, helping them to develop more effective strategies for creating a cleaner and greener environment.

By exploring the degradation of plastic waste, the organization can help identify innovative ways to reduce plastic waste, promote sustainable practices, and mitigate the environmental harm caused by plastic pollution. This can have far-reaching benefits, from improving public health and protecting biodiversity to supporting economic development and enhancing the overall quality of life.

The organization's work can also inform policy decisions and inspire community-led initiatives, empowering individuals, organizations, and governments to work together towards a more sustainable future.

23. Any other information-NIL

DECLARATION/CERTIFICATION

It is certified that I have gone through the Annual Progress Report of EIACP centre prepared by EIACP staff and it is confirmed that the facts and figures mentioned in the report are true to the best of my knowledge.

- a. Information provided in this form has been reviewed by me and the same is found in order and complete as per the format provided.
- b. Necessary handholding has been extended by the host institution for the smooth functioning of EIACP centre.
- c. Host Institution followed the directions of the MoEFCC, as issued from time to time.

**Sign. with Seal of EIACP Coordinator
Host**

Date :

**Sign. with Seal of Head of
Institution**

Date :