

**SCHOOL OF INFRASTRUCTURE**

**DEPARTMENT OF CIVIL ENGINEERING**

**Ref:903-A/Dean(Sol)/0924**

**Date:12.09.2024**

**REPORT**

**GUEST LECTURE ON  
IMPORTANCE OF SOLID WASTE MANAGEMENT IN INDIA**

**Date:02.09.2024**

**Time: 03.00 PM-4.00 PM**

**Preamble:**

A Guest Lecture on “**Importance of solid waste management in India**” was organized by ASCE Student Chapter, Department of Civil Engineering on 02.09.2024, 03.00 pm at Seminar Hall for the benefit of III Year B.Tech Civil Engineering students.

**ABOUT THE SPEAKER**

Dr.R.Rajamanikam, Project Co-Ordinator, Centre for Environment & Humanity, Kodaikanal is an expert in the field of Solid waste management. He has executed several projects pertaining to the management of solid waste in Puducherry and also in Kodaikanal. In addition to seven years of research experience, he has also been a part of Shuddham and EcoService, a NGO. He is a recipient of CMS Vatavaran Puducherry -Auroville Green Ambassador Award and also serves as a guest lecturer in Bharathiyar Palkalai Koodam handling courses in Environmental studies.



**Dr.R.Rajamanikam**

## ABOUT THE SESSION:

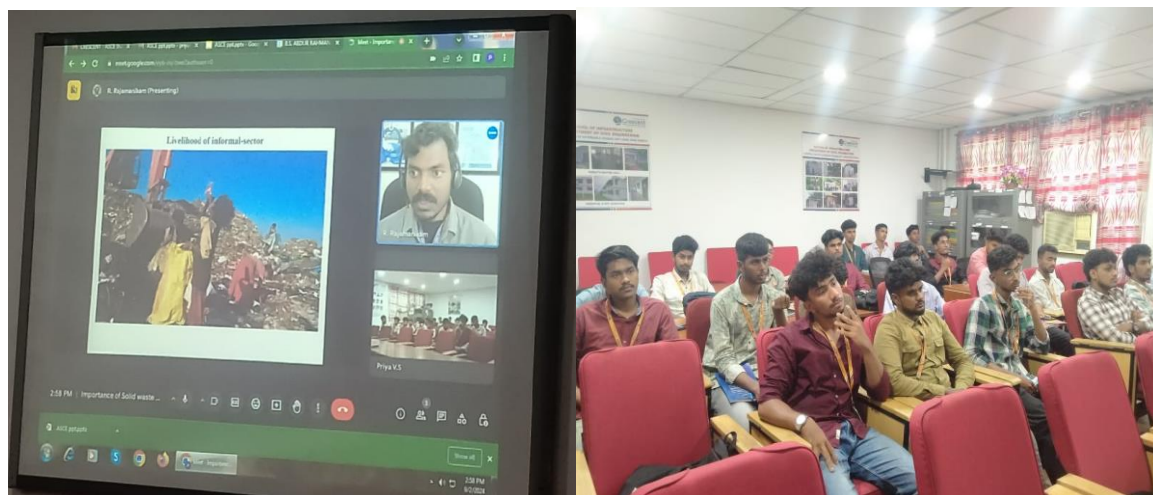
The session was conducted online and the google meet link used for the meeting is given below.

G -meet link	<a href="https://meet.google.com/eyb-iisj-bws">meet.google.com/eyb-iisj-bws</a>
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Dr. Priya VS, Associate Professor, gave a warm welcome to the students & introduced the guest speaker. She emphasized the challenges faced by the individuals due to the improper disposal of municipal solid waste in cities. She also briefly described the initiatives taken by the government including its advantages and demerits.

The Guest speaker initially explained the different types of solid waste generated in India and the per capita waste generation in different states. The various factors that are contributing to the waste generation and the current practice of solid waste management in India was explained to the students.

The speaker described the importance of solid waste management by addressing two case studies which was implemented in Auroville, Puducherry and in Kodaikanal. Initially the guest speaker described the historic importance of both the places and the problems faced by the individuals because of the illegal burning of the solid waste in the open dump yard. He also stated the issued faced by the rag pickers who survive from the income generated from the collection of reusable materials from the waste.



**Fig 1: Students participation in guest lecture**

The Speaker explained the different types of community-based collection system adopted in Auroville. The types of solid waste generated, the segregation method, storage techniques at the premises, its collection in private vehicles were also briefed.



**Fig 2: Types of Waste segregation system and Onsite composting**

Dr.R.Rajamanikam also emphasized the necessity for developing an awareness among the people with respect to onsite composting of food waste at the individual homes. The initiatives taken by the government to promote such activities in association with NGOs were elaborated and it was very much informative for the students.

With respect to the Kodaikanal, the speaker pointed out that the majority of waste were generated by the tourist's activity and it mostly contains glasses, plastics, paper wastes. Very limited recycling industries are available to process such waste in Tamilnadu and hence the speaker motivated the students to be responsible and be civic conscious and to avoid the unwanted use of plastics etc.

The speaker also emphasized the importance of "Recycle , Reuse and Recover" and the initiatives taken by the government of Tamilnadu such as "Manjapai thittam " etc was disseminated among the students. The session was very much informative and interactive. The students clarified their doubts through a very active interaction with the speaker.

The Following **III Year B.Tech Civil Engineering Students** were present during the lecture

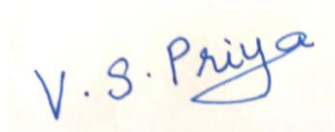
S.No	RRN No.	Name of the student
1.	220011601003	AFSAL AHAMED
2.	220011601004	AHAMED NAEEM A
3.	220011601005	AMEER SHAKEER S
4.	220011601006	AMJATH T T
5.	220011601007	ANANDHA KUMAR R
6.	220011601011	DHEEPAK KUMAAR S

7.	220011601012	FAISAL AHAMEED F S
8.	220011601015	MOHAMED JAFRON S
9.	220011601016	MOHAMED MUBEEN
10.	220011601017	MOHAMED RIYAZUDHEEN R
11.	220011601018	MOHAMMED RAIHAAN R
12.	220011601019	PRADEEP D
13.	220011601020	PRADHEESH M
14.	220011601021	RASETH IMAM NOOR
15.	220011601023	ROSHAN AKTHAR M I
16.	220011601024	SAI EASWAR S S
17.	220011601025	SHARON AKRAM A
18.	220011601026	SYED TALHA S H
19.	220011602005	MOHAMED ABU RIYAS S
20.	220011602008	MOHAMED FAISAL
21.	220011602010	MOHAMED KALIFA K
22.	220011602012	MOHAMED UVAIS M
23.	220011602013	SHAFI AHMED S

Vote of thanks was proposed by the Faculty Dr. Priya VS, Associate Professor. She thanked the Dean (Sol) for giving an opportunity for the students to interact with the experts from the industry and also thanked the guest speaker for his informative lecture .

## OUTCOME

This Guest Lecture “Importance of solid waste management in India ” is a value addition to the course **CEDX 42 Solid waste management** because it familiarized the students with the necessity for solid waste segregation, its proper collection, treatment and also resource recovery .



**Dr. Priya VS**  
Associate Professor/Co-ordinator



**Dr. M.S. Haji Sheik Mohammed**  
Dean (School of Infrastructure)