

**SCHOOL OF INFRASTRUCTURE**  
**DEPARTMENT OF CIVIL ENGINEERING**

Ref. : 631/Dean(Sol)/1123

Date: 20.11.23

**Seminar on Solid waste management and its potential job opportunities**

Date: 09/11/2023

Time: 9.30 am to 10.30 am

**I. Preamble:**

A seminar on “Solid waste management and its potential job opportunities” was organized by the Student Chapter of the Indian Plumbing Association (IPE), Department of Civil Engineering on 09.11.2023, 9.30 am at Seminar Hall for the benefit of III Year B.Tech Civil Engineering students.



The poster is yellow with a black border. It features the Crescent Institute of Science & Technology logo at the top right and a circular logo with a water tap and waves at the top left. The text is centered and reads: 'SCHOOL OF INFRASTRUCTURE', 'DEPARTMENT OF CIVIL ENGINEERING', 'STUDENT CHAPTER OF INDIAN PLUMBING ASSOCIATION', 'ORGANIZING SEMINAR ON SOLID WASTE MANAGEMENT & ITS POTENTIAL JOB OPPURTUNITIES', 'FOR THIRD YEAR B.Tech. STUDENTS', '09/11/2023, (THURSDAY), 9.30 to 10.30 am', 'VENUE: SEMINAR HALL, DEPARTMENT OF CIVIL ENGINEERING'. Below this, there is a 'RECYCLE REUSE REDUCE' logo and a 'RESOURCE PERSON:' section listing 'Ms. KrishnaPriya A. Co-Founder m/s. Spreco Recycling Pvt. Ltd.'. At the bottom, it lists 'Faculty Co-ordinators' (Dr. A.K. Kalluthin and Ms. Ayisha Sidiqia M.) and the 'Convener' (Dr. M.S. Haji Sheik Mohammed, Dean of School of Infrastructure).

**SCHOOL OF INFRASTRUCTURE**  
**DEPARTMENT OF CIVIL ENGINEERING**  
**STUDENT CHAPTER OF INDIAN PLUMBING ASSOCIATION**

**ORGANIZING  
SEMINAR  
ON  
SOLID WASTE MANAGEMENT & ITS  
POTENTIAL JOB OPPURTUNITIES**

**FOR THIRD YEAR B.Tech. STUDENTS**  
09/11/2023, (THURSDAY), 9.30 to 10.30 am  
VENUE: SEMINAR HALL, DEPARTMENT OF CIVIL ENGINEERING

**RECYCLE  
REUSE  
REDUCE**

**RESOURCE PERSON:**  
Ms. KrishnaPriya A.  
Co-Founder  
m/s. Spreco Recycling Pvt. Ltd.

**Faculty Co-ordinators**  
Dr. A.K. Kalluthin . Associate Professor  
Ms. Ayisha Sidiqia M., Assistant Professor (Sr. Gr.)

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

## II. ABOUT THE SPEAKER

Ms. Krishnapriya A. an environmental engineer and co-founder of Spreco Recycling Pvt. Ltd. She is a Certified Zero Waste Advisor, specializing in implementing sustainable practices and guiding organizations towards waste reduction goals. She briefed about '**SPRECO**' which is a social enterprise being built by a group of young and vibrant professionals working towards creating an inclusive and formal waste management ecosystem.

## III. ABOUT THE SESSION:

Dr. A.Kalilutin, Associate professor gave a brief introduction about the guest speaker, Ms. Krishnapriya. Dr. K. Yogeswari, Professor, extended a warm welcome to the dignitaries and the students. In her welcome address, she briefed about the significance of the IPA and its role in helping civil engineering professionals in terms of technology advancements, etc.

Solid waste management (SWM) is the process of collecting, transporting, treating, disposing, and monitoring waste materials. It is a complex system that involves a variety of stakeholders, including governments, businesses, and individuals. There are two main types of solid waste: municipal solid waste and industrial solid waste. Municipal solid waste is generated from households, businesses, and institutions. Industrial solid waste is generated from industrial and commercial activities. The speaker addressed the challenges in SWM, namely the increasing amount of waste generated and limited resources to manage it. In many developing countries, much waste is not collected or disposed of properly, which can cause environmental and public health problems.

The amount of solid waste generated is increasing rapidly in India close to 2,00,000 Tons of waste per day, and that traditional waste management practices, such as landfilling and incineration, are not sustainable. She emphasized on one of the biggest challenges in waste management in India which is the lack of awareness and participation among the public.

The challenges of waste management in India have a significant impact on the environment and public health. Open dumping and burning of waste pollute the air, water, and soil, and can spread diseases. Improper waste management can also lead to the formation of breeding grounds for mosquitoes and other disease-carrying pests.



**Introduction of Guest by  
Dr. A.K.Kaliluthin, Associate  
Professor**



**Lecture by Ms. Krishnapriya A**

The speaker talked about the laws that are implemented in India to manage Solid Waste generated. One such law is for Bulk Waste generators that comes under 'The Solid Waste Management Rules, 2016' which defines a bulk waste generator as any entity that generates more than 100 kilograms of waste per day.

The speaker, concluded by stating how they are working on several solutions to improve the efficiency and effectiveness of waste collection and treatment systems, raise awareness on the importance of SWM, and encourage public participation in waste management initiatives. One such initiative is the waste segregation program that Spreco implemented at B.S. Abdur Rahman Crescent Institute of Science & Technology, which involves separating waste into different categories such as wet waste and dry waste. This makes it easier to dispose of each category of waste in a safe and environmentally sound manner.



### Explanation of Main canteen waste segregation process

The following are the details of the list of students attended the seminar:

S.No	RRN	NAME
1.	210011601001	ABDUL BAASIT H
2.	210011601002	ABDUL RAZZAQ AHMED BIJILI A M
3.	210011601005	AJMAL R
4.	210011601007	BHUPATHIRAJAN A P
5.	210011601008	GURUPRASATH J
6.	210011601010	HEMASHREE GURUNATHAN
7.	210011601017	MOHAMED SADIQ AHMED
8.	210011601018	MOHAMED YOUSUF J
9.	210011601021	MOHAMMED ISHAQUE V Y
10.	210011601022	MOHAMMED SAHAL
11.	210011601023	MOHAMMED SHAHEER AADIL
12.	210011601024	MUNEER AHAMED S
13.	210011601027	NIZAMUDEEN R
14.	210011601028	PRAVEEN KHANNA A R
15.	210011601029	RAGAVAN K
16.	210011601031	RIYAZ AHAMED N U
17.	210011601032	SAMEER AHMAD
18.	210011601033	SANJANA D M

19.	210011601035	SHAIK HUZAFUR RAHMAN
20.	210011601037	SHIEK MOHAMED GHOUSE Z
21.	210011601039	THAMEEM AQSHAN V M
22.	210011601040	VISHNU PRIYA S V
23.	210011601041	YASWANTH M
24.	210011602001	AASHIQ T A
25.	210011602005	DEEPARATCHAGAN
26.	210011602006	JAFFAR HANIFA R
27.	210011602007	MADISETTY POSARIO VICTOR
28.	210011602008	MOHAMED AKIL D
29.	210011602009	MOHAMED SAFWAN S
30.	210011602014	NITHISH KUMAR V
31.	210011602017	PRASHANTH B
32.	210011602018	PRITHIK RAMAN R
33.	210011602019	SAKTHI N
34.	210011602020	SANTHOSH KUMAR V
35.	210011602021	SHAMEER M
36.	210011602022	SHIYAM T
37.	210011602024	SUDHARSAN R
38.	210011602025	SURYA PRAKASH S
39.	210011602027	VIMAL NIRANJAN S
40.	210011602028	YAHSMIN PARVEEN

Vote of thanks was proposed by Dr. K. Yogeswari, Professor (IPA Mentor). Ms. M. Ayisha Sidiqna, Assistant Professor (Sr. Gr.) (IPA - Faculty Coordinator and organizer) thanked the Dean (Sol) for giving an opportunity for the students to interact with the experts from the industry.

#### IV. OUTCOME

- ❖ The students of III-year B.Tech., Civil Engineering (under Regulation 2021, R-2021)) are pursuing a course on CEDX42 Solid Waste Management in their V semester. The main objective of this course is to explore the concepts of new and emerging solid waste management technologies. By pursuing this course, the students will develop a thorough understanding of waste management.
- ❖ This seminar “Solid waste management and its potential job opportunities” is a value addition for this course because it familiarized the students with the latest

technologies and job opportunities in solid waste management.

- At the end of this seminar, the following outcomes were achieved for the course “CEDX42 Solid Waste Management”.
- ❖ The students were able to know the challenges in the disposal of municipal solid waste.
- ❖ The students were able to find the areas of available job opportunities in the field of solid waste management.
- ❖ The implementation of the waste segregation efforts in academic institutions.

Ms. Ayisha Siddiqua  
Asst. Prof. (SG)



Dr. M.S. Haji Sheik Mohammed  
Dean, School of Infrastructure