

DEPARTMENT OF CIVIL ENGINEERING

Date: 25/01/2019

A REPORT ON GUEST LECTURE
"Sustainable Treatment Options for Waste Water & Mass Volume Relationships"

By
Dr Sridhar Pilli

A Guest Lecture was conducted on the topic **Sustainable Treatment Options for Waste Water & Mass Volume Relationships** on 23rd Jan 2019 to the III & IV year students of Civil Engineering department. Dr Sridhar Pilli, Asst Professor of Civil Engineering Department, NIT was the speaker for the guest lecture.

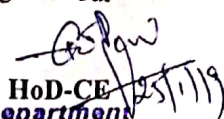
The program commenced at 1:30 P.M in the civil engineering seminar hall by inviting guest by Dr. G. Subba Rao, Head of Civil Engineering department, NNRG. HoD read the Bio Data of the speaker and the session was handed over to the guest.

Dr Sridhar Pilli introduced himself and started the session. He asked the students to tell their own way of definition for the word **sustainability, which** is important now a days. He defined it as "To use the resources in a right way and should be kept even for the future generations. He intended that for a sustainable development there are few factors viz., Social equity, Economic efficiency, Environmental Responsibility.

He said that in Hyderabad City on an average 1400 million m³ waste water is released daily. The waste water is produced more from the Higher income group members rather than low income group. If the waste water is not treated properly, fermentation of turtles in rivers takes place. Next he had explained the treatment of waste water step by step by showing the flow diagram. He added that there are many ways of waste water treatment.

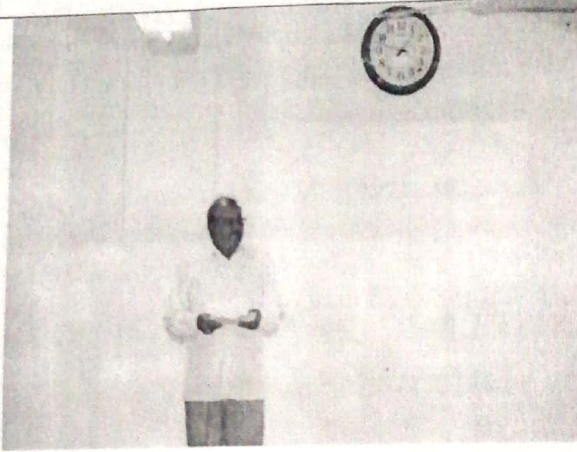
Later, he talked about sustainable treatment options that included the production of biogas, bio hydrogen, bio electricity, bio plastic, bio flocculation. At last, he concluded that for a sustainable development of society, there shall be a sustainable treatment methods for waste water treatment.

Hod thanked the guest for sparing his valuable time and sharing his knowledge to our students.

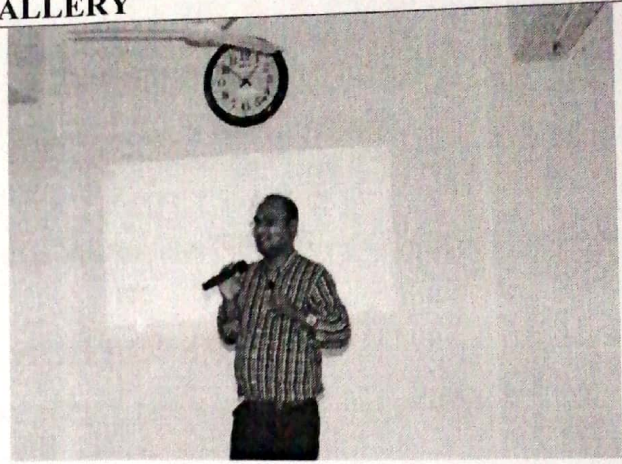

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PHOTO GALLERY



HoD, Dr G.S Rao introducing about the speaker



Speaker, Dr.Sridhar Pilli presenting his lecture



III & IV year Students & faculty members in the lecture