

Department: CIVIL ENGINEERING | Date: 22nd April 2022

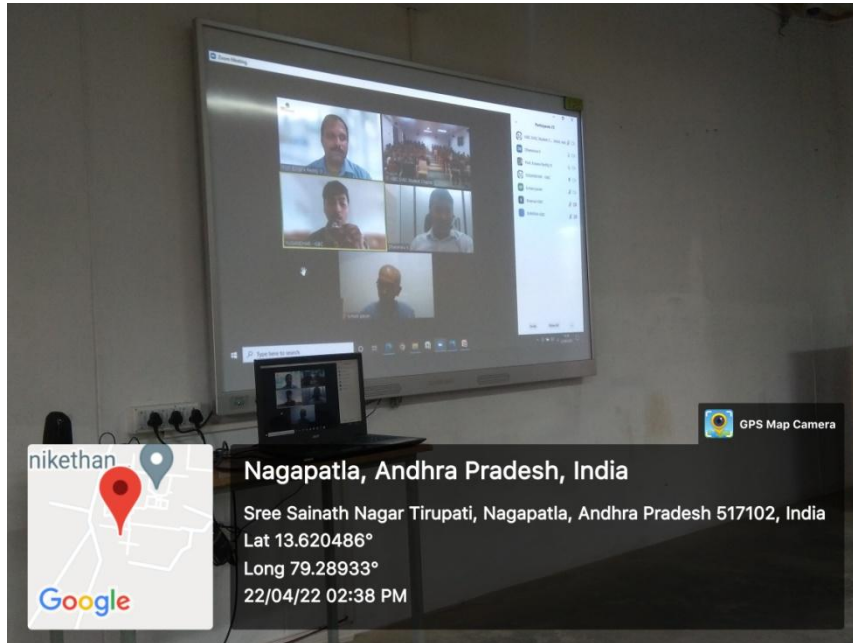
Expert Lecture on
"Green Materials in Building Construction"
22nd April 2022

The Department of Civil Engineering of Sree Vidyanikethan Engineering College organized an expert lecture on **"Green Materials in Building Construction"** for III B.Tech II Semester Civil Engineering students on 22nd April, 2022 from 02:00 pm to 03:30 pm. The event was conducted through hybrid mode.

Mr. Dhanarasu, K., Associate Counsellor, CII Sohrabji Godrej Green Business Centre, Hyderabad was the Expert Speaker. He explained about various green materials that were used in various projects across the country. He also explained about various certifications and eco-labeling of products and materials.

A total of 130 students from III B.Tech Civil Engineering has participated in this event. Dr. O. Eswara Reddy, Professor and Chairman-BoS, Faculty Advisor IGBC SVEC Student Chapter; Mr. M S Yuvaraj, Assistant Professor, Faculty Coordinator, IGBC SVEC Student Chapter and office bearers of IGBC SVEC Student Chapter were the organizers of this program.

The photographs of the event are as follows.







Mr. A. Yugandhar, President, IGBC SVEC Student Chapter, introducing expert speaker, Mr. Dhanarasu, K.



IV B.Tech Civil Engineering Students listening to the lecture in Civil Engineering Seminar Hall

GreenPro – An Indian Ecolabel

- ❖ A type I ecolabel by CII in India
- ❖ Holistic product life cycle framework based third party program
- ❖ Identified environmentally preferable products
- ❖ Internationally recognised ecolabelling scheme by the Global Ecolabelling Network

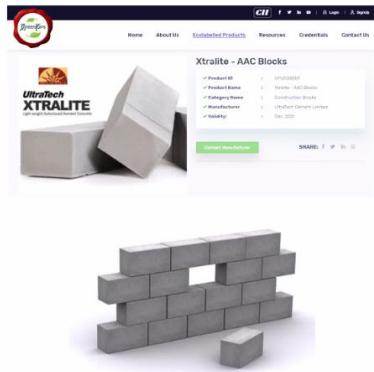





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Mr. Dhanarasu, K explaining about GreenPro eco-labeling process

Construction Blocks

- ❖ Autoclaved Aerated Concrete Blocks
 - Thermal properties of construction blocks significantly affects energy performance
 - Overall heat transfer coefficient
 - ❑ AAC blocks (9 inch) : $0.7 \text{ W/m}^2\text{K}$
 - ❑ Earthen Brick : $2.0 \text{ W/m}^2\text{K}$
 - Offers excellent thermal insulation property
 - Reduced structural load in high rise buildings



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Mr. Dhanarasu, K explaining about GreenPro eco-labeling process


(Dr. O. Eswara Reddy)

Faculty Advisor
IGBC SVEC Student Chapter
Professor, HoD and Chairman-BoS