



ISTE STAFF CHAPTER (TN 205)
ACADEMIC YEAR 2018-19(ODD SEMESTER)

Staff Seminar Report

The ISTE Staff Chapter, Kings College of Engineering, organized a staff seminar delivered by Mr.M.Manimuhilan, Assistant Professor/ Department of Civil Engineering on Modern Construction Materials - THERMOCRETE on 05.07.2018 between 03.30pm and 04.00pm for the faculty members of the institution.



Resource Person's Talk



Audience listening the seminar

About the Seminar Topic

Thermocrete is chilled concrete that responds to the technical requirements of concrete temperature. The hydration of a concrete mixture is a process that liberates heat and the rate of heat generation is accelerated with an increase in concrete temperature. Concrete is a poor conductor of heat, and the rate of heat evolution due to the hydration process is much greater than the rate of heat dissipation. Thus, development of high concrete temperatures can cause a number of effects that are detrimental to the long term concrete performance in structures.

The Thermocrete panels can be used for various building applications such as single storey, double storey & multi storey buildings. Thermocrete panels are also used in place of brick / c.c block masonry walls & metal framed walls. They are also used for floor systems, roofing structure, columns, beams, as well as in stairs and boundary walls.

Disadvantages can be not high load bearing member, stiffness will be less so danger of collapse at the time of earthquake, skilled labour requirement which is a big drawback in contest of India, handy tools required to avoid opening up of tongue and groove joints which may vanish the whole purpose of heat insulating.

Advantages

- Minimal intrusion for residents/tenants
- Significant cost savings
- Quick installation time
- Environmental compliance
- Resistance to corrosion from the elements
- Minimal downsizing of flue area
- Ceramics will not corrode like stainless steel
- Impervious to acids, sulfurous emissions, chlorides and creosoted



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Staff Activity Report

The ISTE Staff Chapter, Kings College of Engineering, organized a competition on Monoacting on 05.07.2018 between 4.00pm and 4.30pm for the faculty members of the institution.



Staff members actively participating in Monoacting Competition

Prize Winners

POSITION	STAFF NAME WITH DESIGNATION
1	H. AGILAN AP/MECH S. KARIKALAN AP/MECH
2	S. RAMARAJAN AP/ECE T. PASUPATHI AP/ECE