



DEPARTMENT OF CIVIL ENGINEERING  
ACADEMIC YEAR 2021-2022/ODD  
INTERNAL STAFF SEMINAR – REPORT

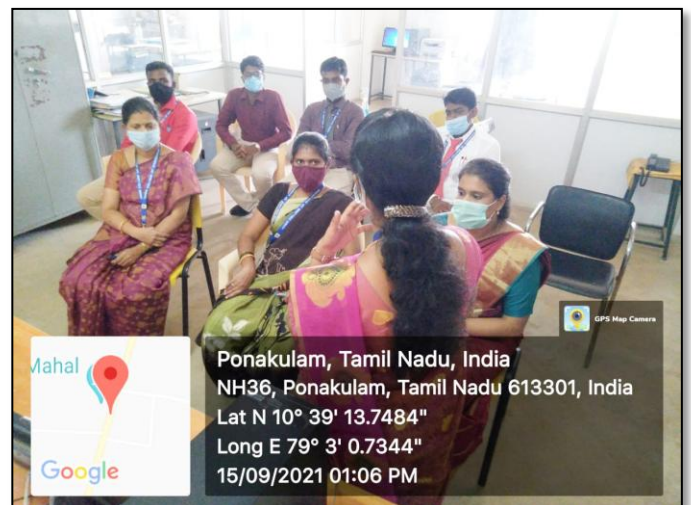
15/09/2021

Background & Objective

Department of Civil Engineering in collaboration with Research and Development section had organized an Internal Seminar for the Department staff members for accessing online journals. The purpose of this seminar is to equip the faculty in new techniques through accessing online journals.

Seminar Session

A Seminar was held in the Department of Civil Engineering on 15<sup>th</sup> Sep, 2021 at 01:00PM. The seminar was presided over by **Ms.R.Revathi, HoD.**, Department of Civil Engineering. All the faculties were present in the seminar. **Ms.T.Bhuvaneshwari/AP** delivered her seminar talk on **“Improving the Durability Properties of Self-Consolidating Concrete made with Recycled Concrete Aggregates using Blended Cements”**(SPRINGER – Journal of Civil Engineering).



Seminar talk by Ms.T.Bhuvaneshwari/AP

The themes discussed were: Durability methods, Self-Consolidating Concrete, Fine Recycled Concrete Aggregates, Coarse Recycled Concrete Aggregates, Fly Ash, and Metakaolin.

- The growing scarcity of natural sources of aggregates has encouraged the researchers around the globe towards finding the substitute of these materials with attention concentrated to the potential use of **recycled concrete aggregates (RCA)** obtained from the **construction and demolition waste (CDW)**.
- This paper evaluates the durability properties of Self-Consolidating Concrete (SCC) containing fine and coarse recycled concrete aggregates.
- The results obtained for strength and durability properties deteriorate with the introduction of FRCA and CRCA in SCC mixtures. All SCC mixtures with CRCA, FRCA and MK based mixtures can be classified in the category **“Excellent”** on the basis of their obtained result values.

### **Outcome**

The Seminar clearly highlighted the new methods to find the durability properties of modified concrete. Staff Members also got an idea in various methods which can be implemented. Discussions were made among faculties in various new techniques. Staff members shared their views regarding seminar and gave their feedback.

From this paper I have understood the new tests to find out the durability of concrete. Further investigation regarding the durability properties of concrete with some other cementitious material can be made in future projects.

**HOD/CIVIL**

**PRINCIPAL**



**DEPARTMENT OF CIVIL ENGINEERING**

**15/09/2021**

**INTERNAL STAFF SEMINAR - ATTENDANCE AND FEED BACK**

S.NO	NAME	FEEDBACK	SIGN
1	Ms. R. Revathi		
2	Dr.R.Saravanan		
3	Mr.R.Sundharam		
4	Mr.K.Arun		
5	Ms.V.Ishwarya		
6	Mr.D.Shrividhya		
7	Mr.M.Balaji		
8	Mr.R.Ramchandar		