



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2021-2022 (ODD SEM)
INTERNAL STAFF SEMINAR – REPORT

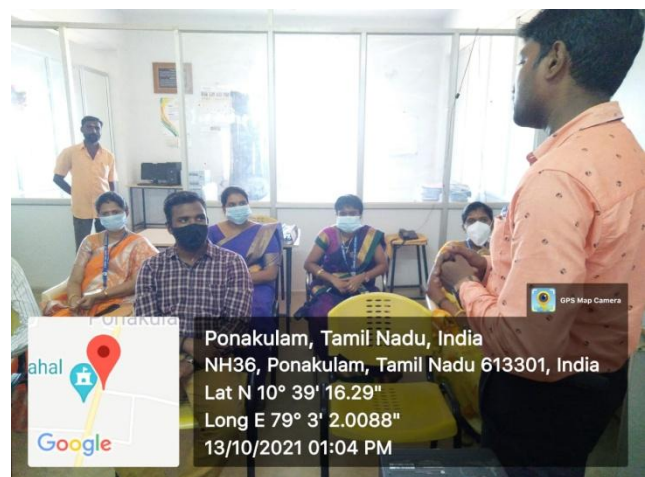
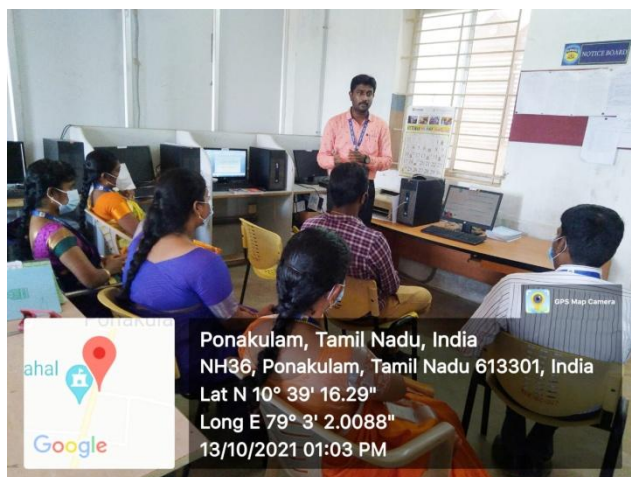
19/10/2021

Background & Objective

Department of Civil Engineering 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 (MAT journal).

Seminar Session

A Seminar was held in the Department of Civil Engineering on 13th October, 2021 at 01:00PM. The seminar was presided over by **Ms.R.Revathi, HoD.**, Department of Civil Engineering. The faculty members of department of Civil Engineering were present for this seminar. **Mr.K.Arun /AP** delivered his seminar talk on “**PLASTIC CELL FILLED CONCRETE ROAD - A REVIEW**”. This paper was reviewed from the MAT journals - Journal of Structural and Transportation Studies, Volume I, Issue 3, 2016.



Seminar talk by Mr.K.Arun /AP

Theme:

Researchers and architects are always looking for various emerging new trends and hence advanced materials & methods of construction are being adopted. The main role of this research work is to study the pavement performance evaluation of **Plastic cell-filled concrete block pavement (PCCBP)**. Low density poly-ethylene (LDPE) plastic sheet of thickness 0.49 mm is used to construct the cell-filled pavements. In order to evaluate the structural performance of the test sections with traffic passes, daily traffic volume data, performance criterion to limit rutting under traffic repetitions. Non-destructive structural evaluation was made by using falling weight deflectometer, by doing back calculation analytically based on genetic algorithm and NDT was done by Rebound Hammer Test. The evaluation of distress has been done considering pavement condition index (PCI) and found to be satisfactory as per PCI Rating. Considering its credibility, there is a wide scope for using this *Flexible-rigid cast-in-situ block pavement* in future.

Outcome :

The Seminar clearly highlighted the properties and characteristics of Plastic Cell-Filled block pavement (PCCBP). Staff Members also got an idea about the PCCBP pavement. This seminar proves to be effective in such a way that, it highlighted the potential replacement for conventional pavement methods. The construction and maintenance of PCCBP was found economical as compared to the conventional concrete and flexible pavement and also has satisfactory PCI. Also this seminar provided the wide scope for designing Flexible-rigid cast-in-situ block pavement in future. Finally, discussions were made among faculty members in various features of PCCB. Staff members shared their views regarding seminar and gave their valuable feedback.

PREPARED BY

HOD/CIVIL

PRINCIPAL



DEPARTMENT OF CIVIL ENGINEERING
INTERNAL STAFF SEMINAR – ATTENDANCE AND FEED BACK

13/10/2021

S.NO	NAME	FEEDBACK	SIGN
1	Ms. R. Revathi		
2	Ms.T.Bhuvaneswari		
3	Mr.R.Sundharam		
4	Ms.V.Ishwarya		
5	Ms.D.Shrividhya		
6	Mr.M.Balaji		