

DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2021 - 2022 EVEN SEMESTER
BRIDGE COURSE REPORT

28.03.2022

The Department of Civil Engineering organized a bridge course for II Year & III Year students on 26.03.2022

OBJECTIVE

The objective of the course is to bridge the gap between students understanding and their knowledge. To equip the student's knowledge, Fluid Mechanics was taken as bridge course for II year students and Mechanics of Solids for the III year students.

COURSE MAPPING

Mechanics of Solids was taken as bridge course to map Engineering Mechanics to know the basics of Mechanics. Fluid Mechanics was taken as a bridge course to map with Applied Hydraulic Engineering. The course addresses basic formulas and concepts which will be a platform for the students to learn their core subjects. Students learnt the structural engineering systems by characterizing and quantifying the uncertainties associated with the material properties and external forces, and propagating them through the relevant prediction equations.

SESSION DETAILS

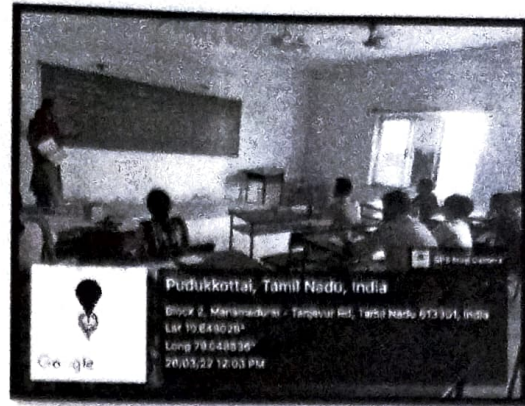
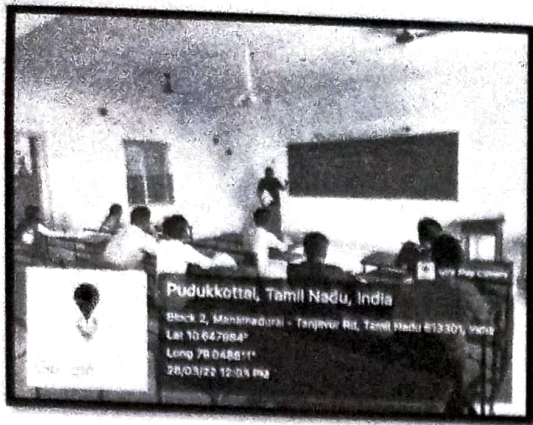
Ms.S.Gayathri, AP/CIVIL, handled the session for II year students. She described about Fluid Mechanics and also different types of hydraulic systems. She elaborated about the concepts and formulas.

Mr.R.Ramchandar, AP/CIVIL, handled the session for III year students. He elaborated about the mechanics of solids. He described the various structural forms and important structural properties.

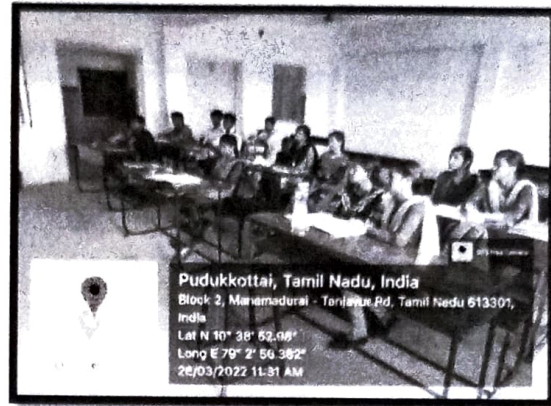
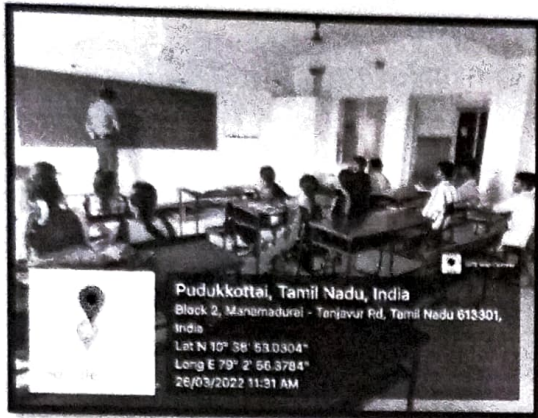
OUTCOME OF THE COURSE

At the end of session, the students would be able to,

- Understand the various fluid properties.
- Identify the mechanisms on different types of load and supports.
- Study their core subjects in a better manner.



II Year Bridge Course - Fluid Mechanics



III Year Bridge Course - Mechanics of Solids

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28/03/2022
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