



DEPARTMENT OF CIVIL ENGINEERING
ACADEMIC YEAR 2021 – 2022 ODD SEMESTER
BRIDGE COURSE REPORT

The Department of Civil Engineering organized a bridge course for II Year students on 19.08.2021, III Year students on 19.08.2021 and IV Year students on 18.08.2021.

OBJECTIVE

The objective of the course is to bridge the gap between students understanding and their knowledge. To equip the student's knowledge, Strength of Materials was taken as bridge course for II year students, Structural Analysis for the III year students and Estimation, Costing and Valuation Engineering for the final year students.

COURSE MAPPING

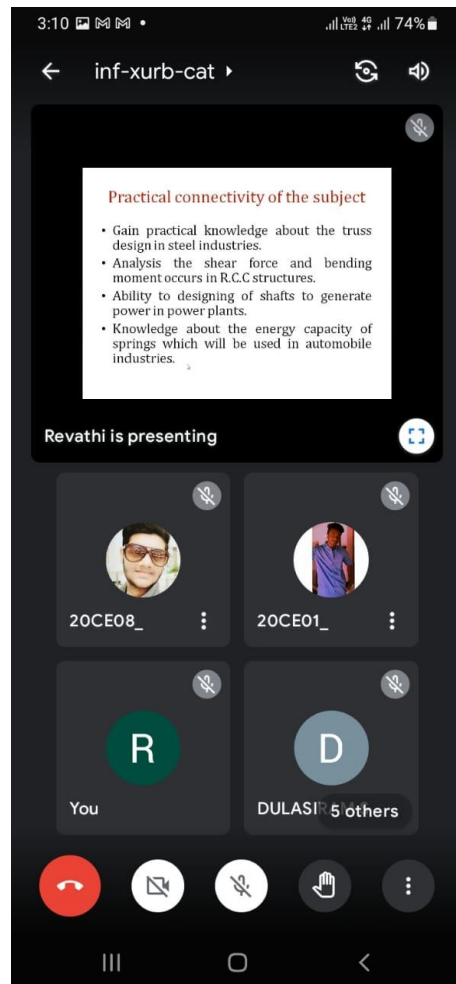
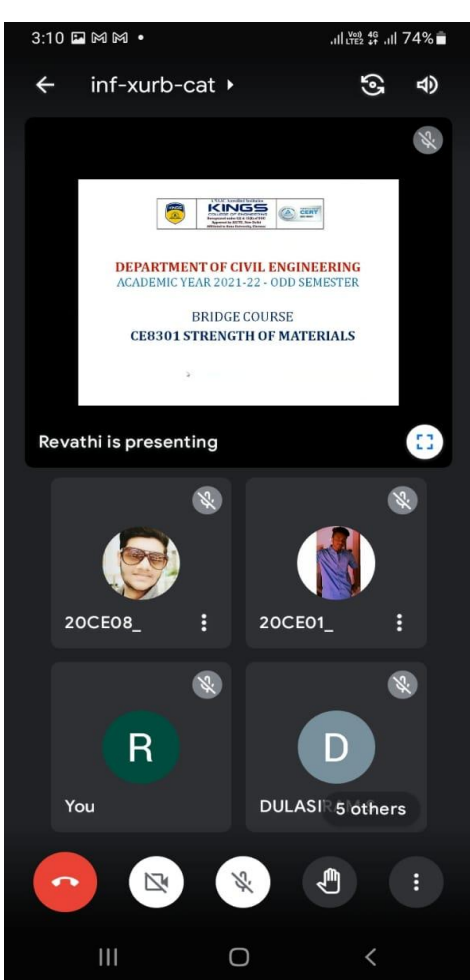
Strength of Materials was taken as bridge course to map Engineering Mechanics to know the basics of Mechanics. Structural analysis was taken as a bridge course to map Mechanics of Solids with Structural Analysis I. The course addresses decision analysis for structural engineering Systems based on Statistics and Reliability Modeling. 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. Estimation was taken as a bridge course to map the construction techniques and practices.

SESSION DETAILS

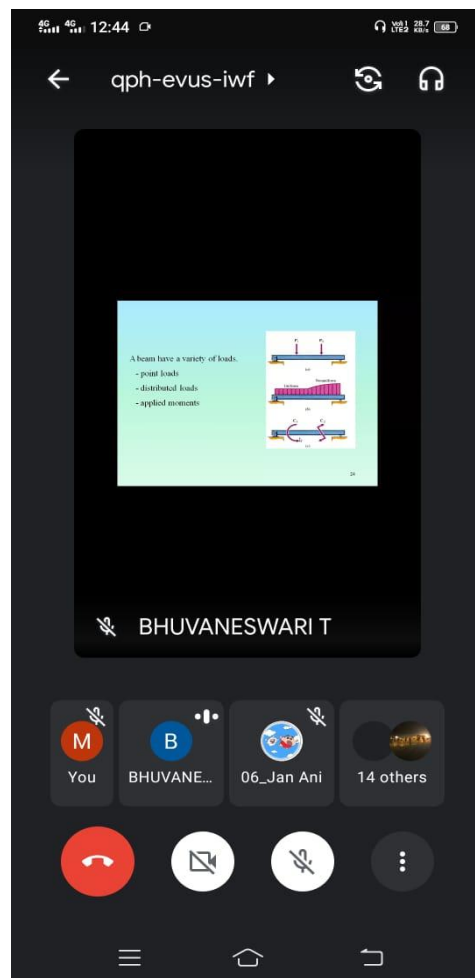
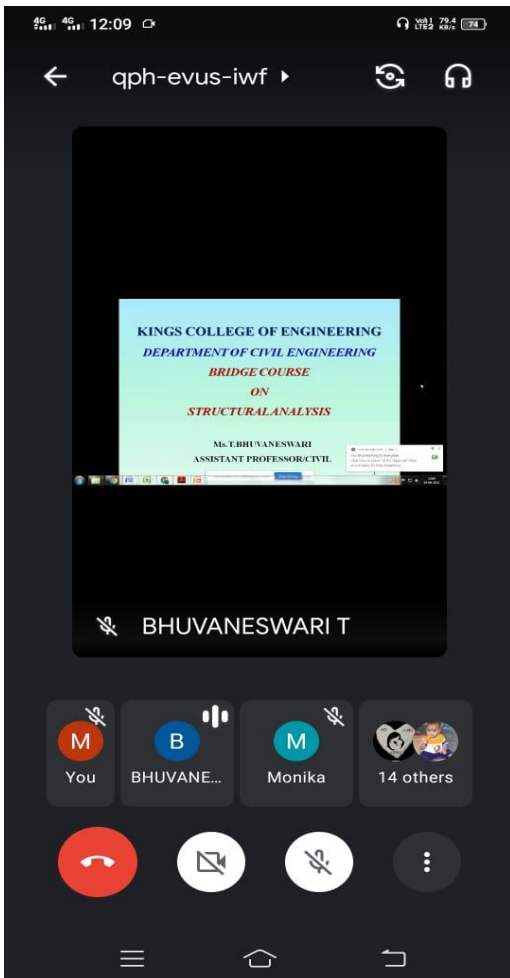
Ms.R.Revathi, AP/CIVIL, handled the session for II year students. She described about Basic of Mechanics and also different types of load and types of supports. She elaborated about the determinate and indeterminate structures.

Ms.T.Bhuvaneshwari, AP/CIVIL, handled the session for III year students. She elaborated about the determinate and indeterminate structures. She described the various structural forms and important structural properties.

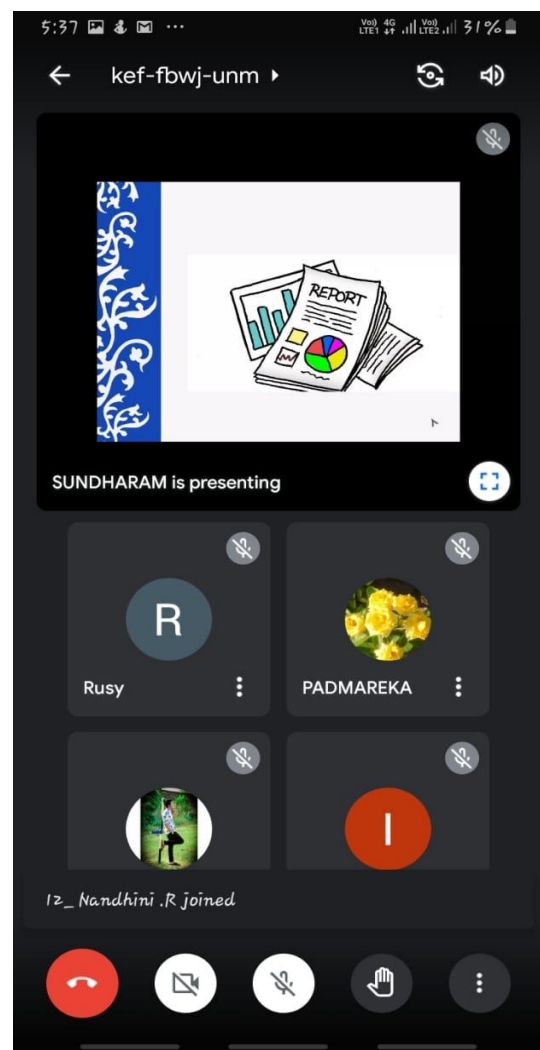
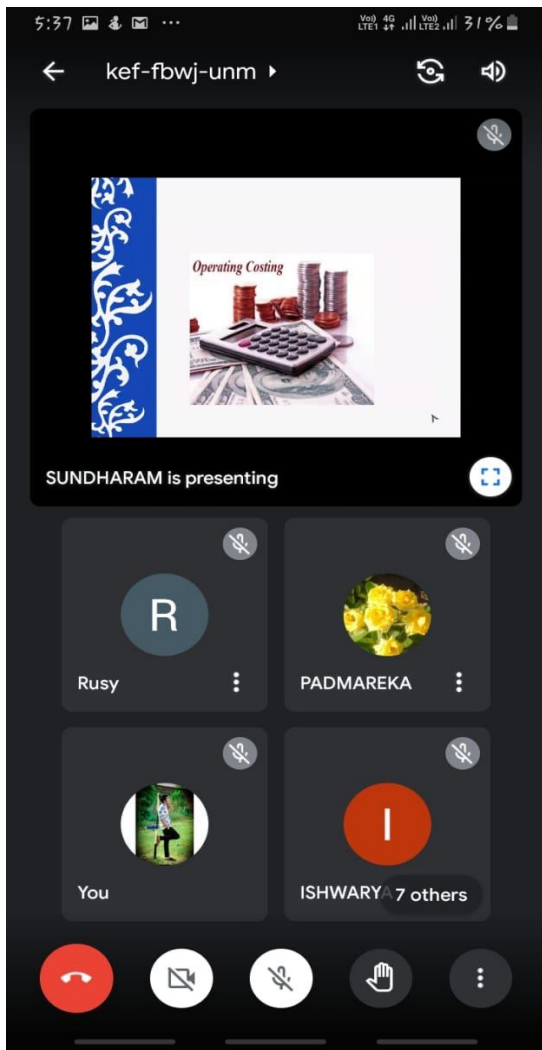
Ms.V.Ishwarya, AP/CIVIL, handled the session for IV year students. She explained about the importance estimation of various civil building structures, schedule of rates, costing, valuation of buildings and land. She illustrated about the report preparation, tender, contracts.



II YEAR



III YEAR



IV YEAR

OUTCOME OF THE EVENT

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

- Identify the mechanisms on different types of load and supports.
- Identify whether the structure is determinate or indeterminate.
- Understand the various structural properties.
- Understand the basics of estimations of buildings, scheduling, report writing, contracts, and tenders.

Bridge Course Coordinator

HOD/CIVIL

PRINCIPAL