

EXPERT LECTURE ON DESIGN OF ARCHES (INDUSTRIAL SHEDS)

Date: 02/10/2021
Semester: 5th (Civil)



Civil Engineering Department

Expert Lecture Report

Objective-

The objective of the expert lecture was to broaden our view beyond content of DOS and learn about arches, different design aspects involved.

Summary:

Initially basics of frame analysis of a 2-D frame were discussed and later it was related with the 2-hinged and 3-hinged arches. How to draw SFD (Shear Force Diagram) & BMD (Bending Moment Diagram) for frames and arches were elaborated as they play important role finding out the maximum bending moment and shear force a member would be subjected to. Then based on BM & SF the selection of sections was discussed and in case if standard sections are not available how the sections are selected practically. Later in the end, how and where different connections were required, forces they would be subjected to and nature of force was discussed. Finally in the end the design of connections was also discussed.

Feedback Analysis:

The content was as described by title	9.5
The instructor was good communicator	8.8
The workshop was applicable to my respective subject	9.2
The material was presented in an organized manner	9.4
I will recommend this workshop to outside students	8.8
The programme was well placed within allotted time	8.9
The instructor was knowledgeable on the topic	9.2
Given the topic, the workshop was	Right length



Course Participant:

Workshop was organized for the students of 5th Semesters, Civil Engineering. Total of 35 participants participated and each one enjoyed and learnt the role of PEB, their increasing demand and future scope.

Industrial Expert: Mr. SAURABH SHAH (MD, ARCEDES
BUILDING (INDIA) Ltd