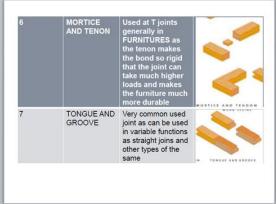
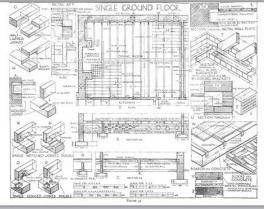
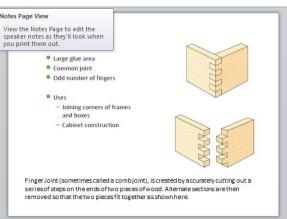


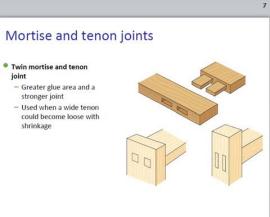


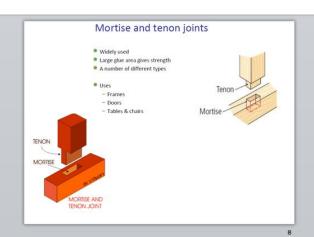
Sr No	Туре	Application	
4	DOVE TAIL	Used at L junctions generally in furniture As well as in house constructions; the higher sticking surface area enables it to take much more load	DOVETAL
5	MITRED WITH WOOD SPLINE	Used at L junctions but the Spline inserted inside makes it much rigid and tough that it can relatively take excess loads as compared to other joints	MITER WITH WOOD SPLINE

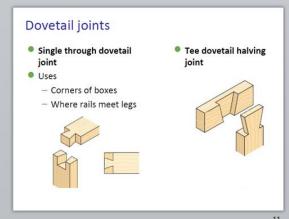


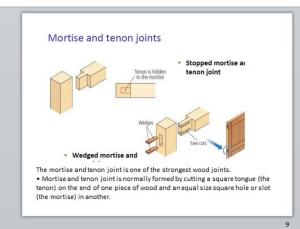


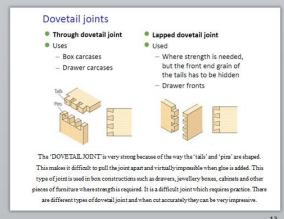


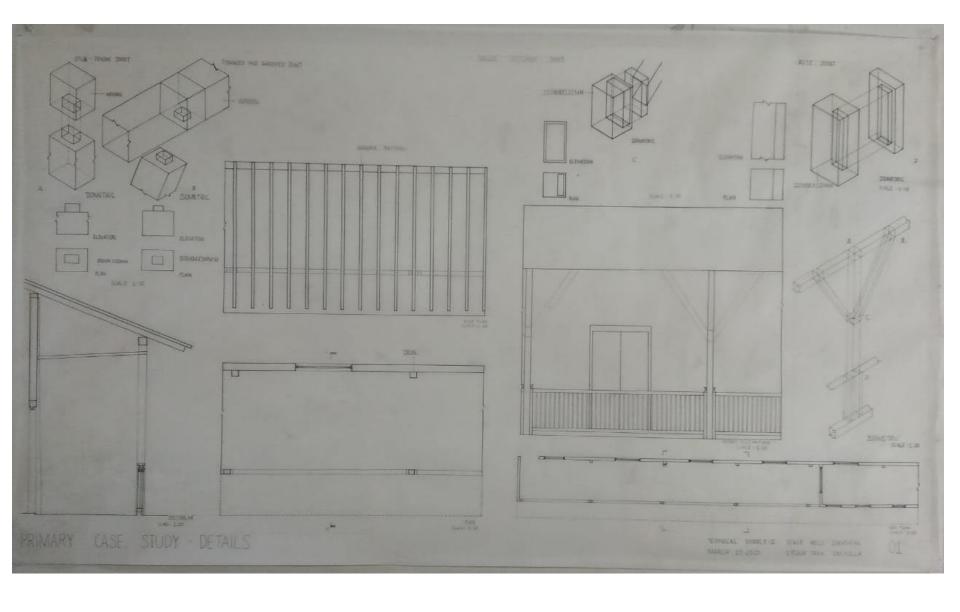


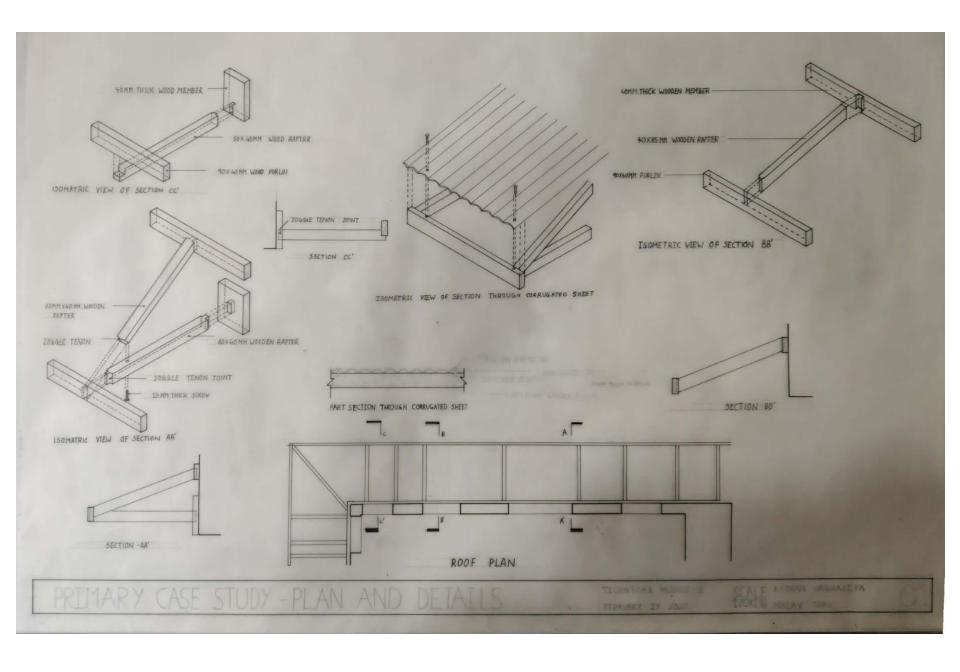


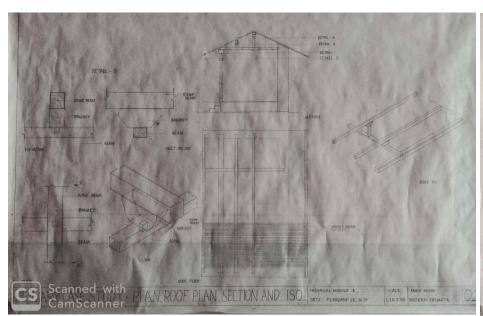


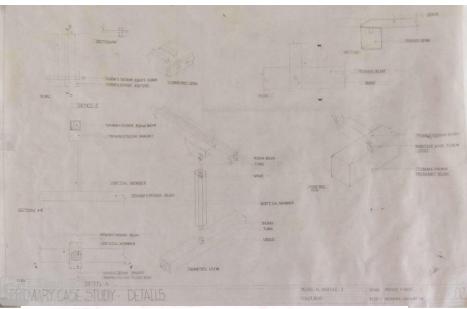


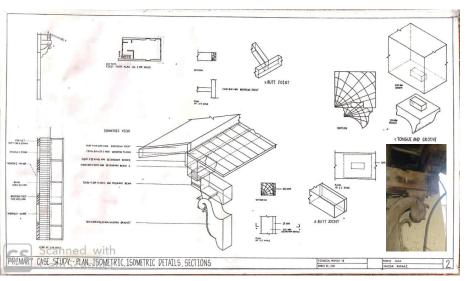


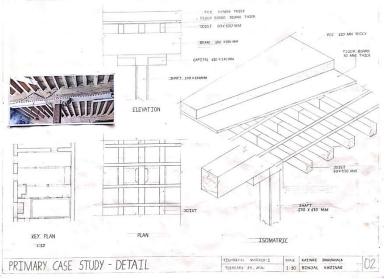


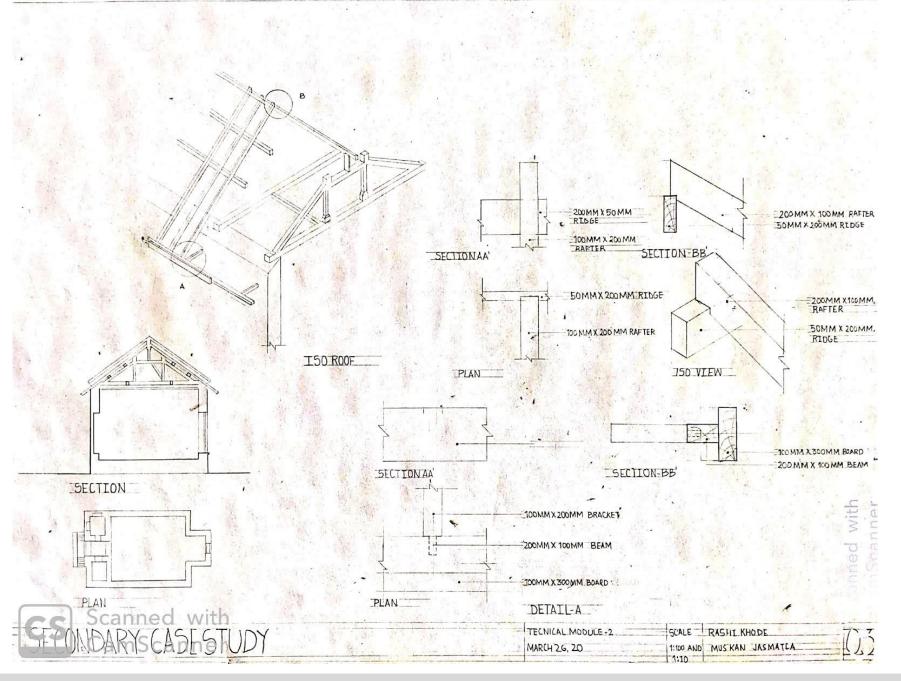


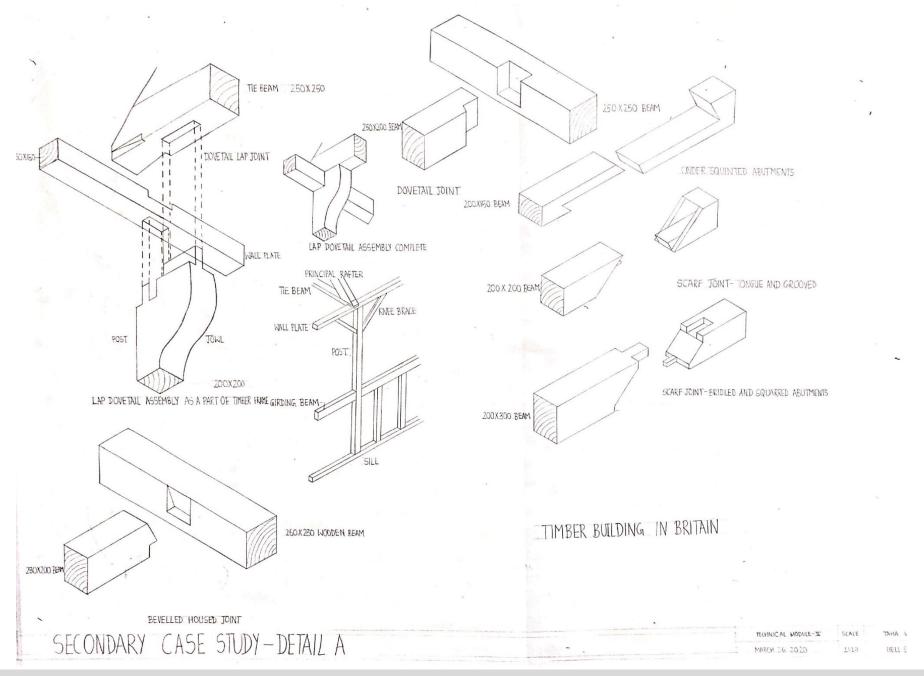










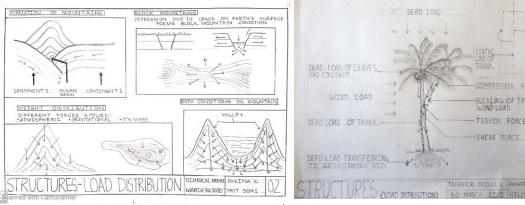


TOPICS COVERED

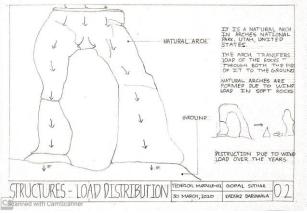
- Load
- 1. Types of Loads
- 2. Transfer of load through different materials
 - Equilibrium of Forces
 - Structural System
- 3. Types of Structural Systems.
- 4. Elements of Structural Systems
 - Acting Forces and Free Body Diagrams.
 - Types of Supports: Pin, Roller, Fixed.
- 5. Diagrams
- 6. Analysis of Types on Supports in nature, daily life.

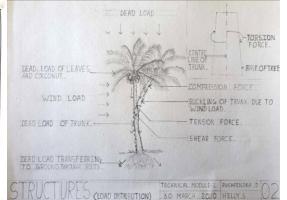
ASSIGNMENT ONE: LOAD CALCULATION

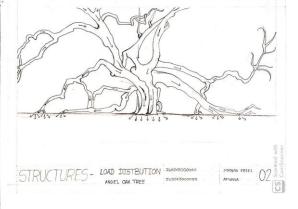
- Students shall choose public building such as hospitals, shops, schools, offices where one can find variety of loads- (Live load – Dead load)
- Sketch the plan with basic dimensions of the are and the furniture
- Calculate all the loads acting in the chosen area throughout the day.
- Students shall learn load calculation.

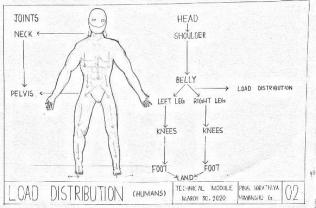


WIND LOAD TRUNK ROOTS AND TRUNK LOAD DISTRIBUTION TECHNICAL MODULE MARCH 30, 2020









Assignment 02: Load Distribution

- The exercise was based on types on loads and the components involved in the transfer of load, ultimately to the ground.
- Different types of objects/ elements such as caves, trees, the human body, etc., were taken as examples and the order of load transfer was analyzed and represented in the form of diagrams.
- These assignments were then individually discussed over a Zoom Meeting in order to make sure students are well-versed with types of Load Distribution and its Order.

Assignment 03: Free body diagrams

- Identify objects in everyday life and make analytical Free Body Diagrams, showing the acting and resulting forces in each case.
- These assignments were then individually discussed over a Zoom Meeting in order to make sure students are well-versed with all possibilities of acting forces.

