

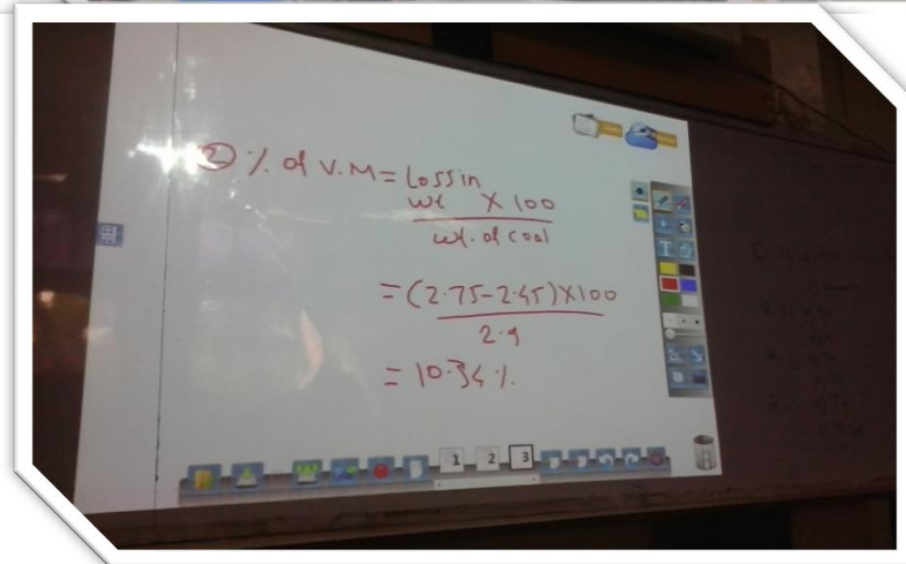
Learning Innovation

Use of Smart Board & LCD Projector

Smart Board

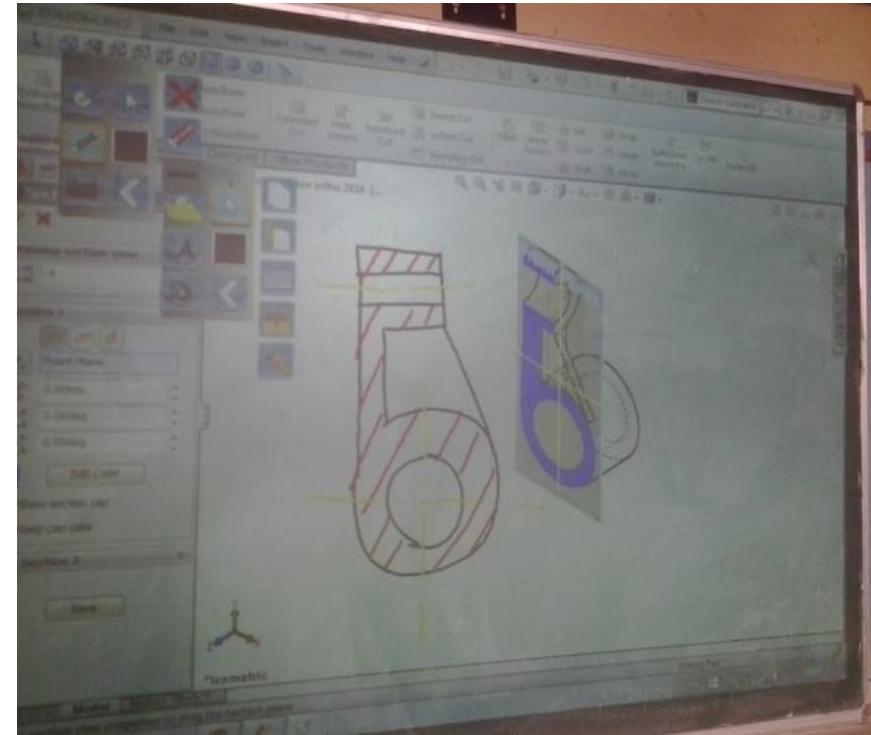
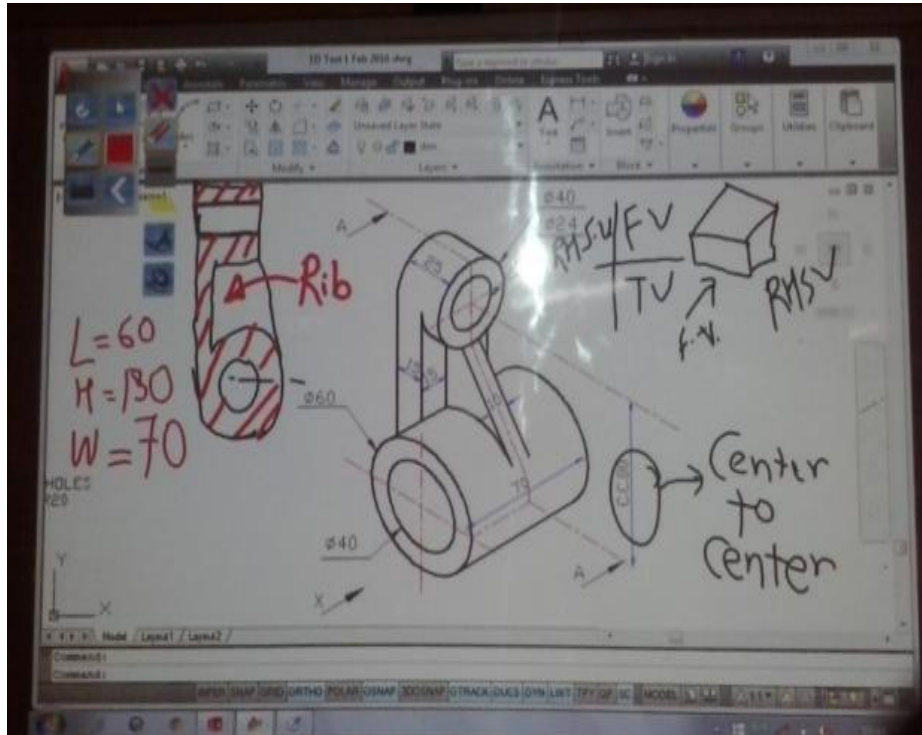


Smart boards are interactive boards which help teachers to make digitalization of board writing so that students can revise it again at home. It also have voice recording facility.



Learning Innovation

Use of Smart Board & LCD Projector



Smart boards makes students to understand difficult concepts in easy manner

Learning Innovation

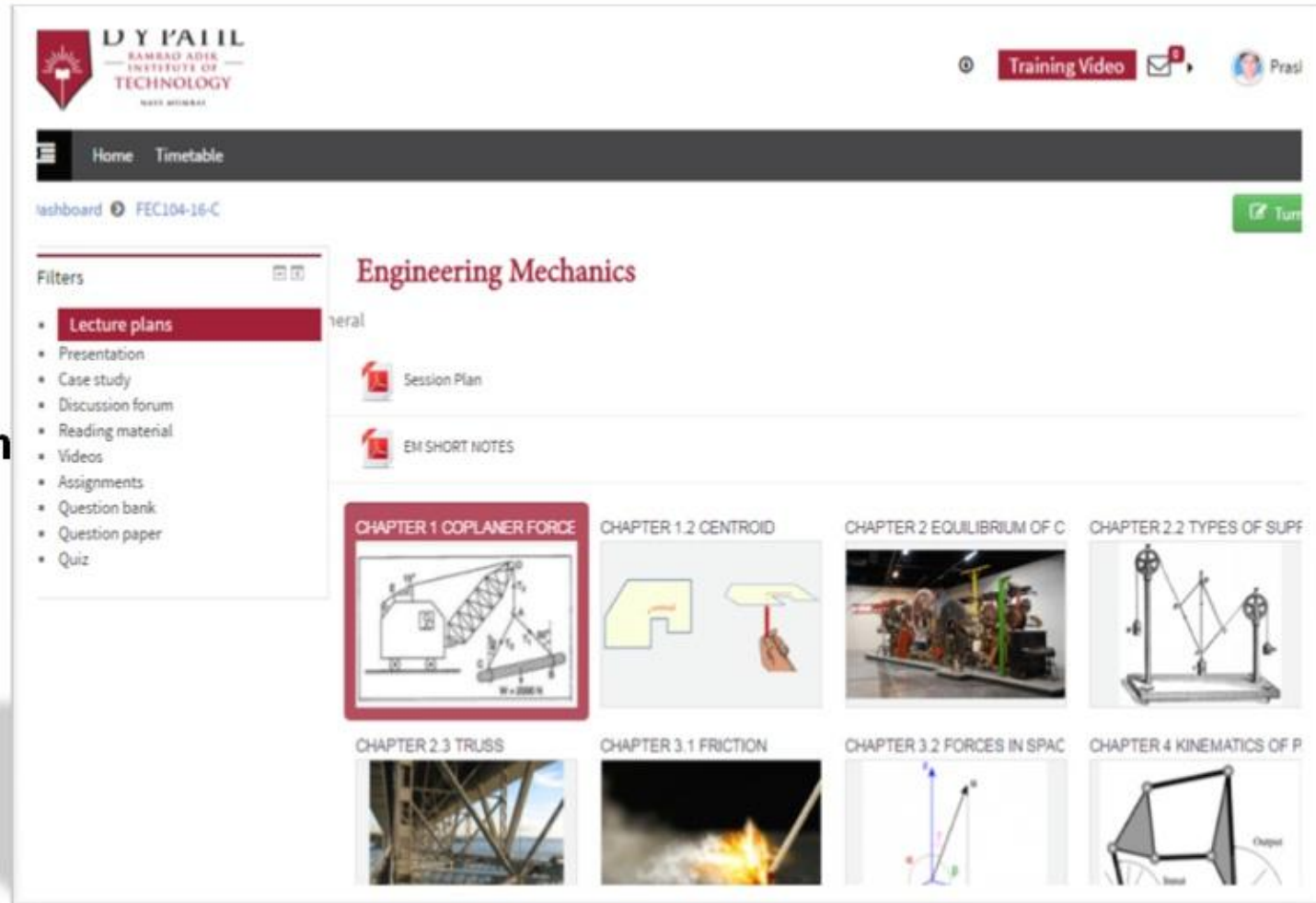
Use of Smart Board & LCD Projector



Video lectures of expert faculty for premier institutes such as IITs, are arranged to gain additional knowledge about certain topics.

Learning Innovation: Learning Management System (LMS) Interface

- Online PPTs
- Lecture Notes
- Video Links
- Assignments
- Tutorials
- Question Banks
- University exam papers
- Quiz.
- Lab Manuals



The screenshot shows the LMS interface for 'Engineering Mechanics'. The top navigation bar includes 'Home' and 'Timetable'. A 'Training Video' button is visible in the top right. The user profile 'Prasi' is shown. The main content area is titled 'Engineering Mechanics' and features a 'Filters' sidebar on the left with the following options:

- Lecture plans (highlighted)
- Presentation
- Case study
- Discussion forum
- Reading material
- Videos
- Assignments
- Question bank
- Question paper
- Quiz

The main content area displays a grid of chapter thumbnails:

- CHAPTER 1 COPLANER FORCE (highlighted with a red border)
- CHAPTER 1.2 CENTROID
- CHAPTER 2 EQUILIBRIUM OF C
- CHAPTER 2.2 TYPES OF SUPP
- CHAPTER 2.3 TRUSS
- CHAPTER 3.1 FRICTION
- CHAPTER 3.2 FORCES IN SPAC
- CHAPTER 4 KINEMATICS OF P

Learning Innovation: Learning Management System (LMS) Interface

My Tasks

- My Classes
- Academic Calendar
- TimeTable Calendar
- My Profile

Administration

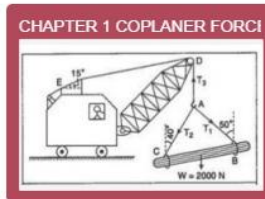
- Course administration
 - Turn editing on
 - Edit settings
- Users
- Filters
- Reports
- Grades
- Badges
- Backup
- Restore
- Import
- Reset

Engineering Mechanics

General

 Session Plan

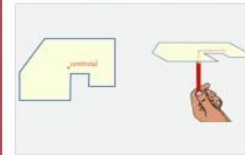
 EM SHORT NOTES



CHAPTER 2.2 TYPES OF SUPP



CHAPTER 1.2 CENTROID



CHAPTER 2.3 TRUSS



CHAPTER 2 EQUILIBRIUM OF C



CHAPTER 3.1 FRICTION



LMS is online system which provides online notes to students

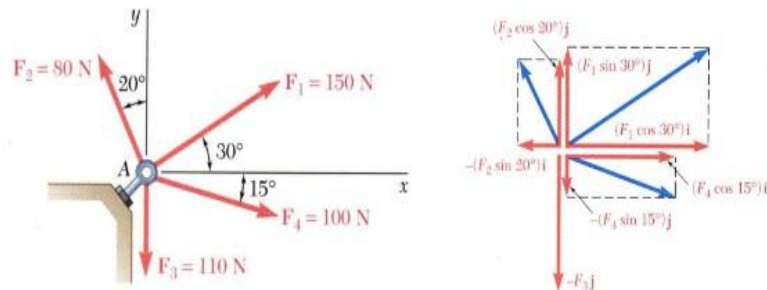
Learning Innovation: Learning Management System (LMS) Interface

← → ↻ mydy.dypatil.edu/rait/mod/flexpaper/view.php?id=225765 ☆

100% 14-15 / 18

PROBLEM - (BASED ON CONCURRENT)

Four forces act on bolt A as shown. Determine the resultant of the force on the bolt. Calculate the magnitude and direction of the resultant.



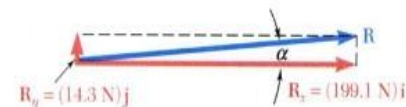
Calculate the magnitude and direction

$$R = \sqrt{199.1^2 + 14.3^2}$$

$$R = 199.6\text{ N}$$

$$\tan \alpha = \frac{14.3\text{ N}}{199.1\text{ N}}$$

$$\alpha = 4.1^\circ$$



force	mag	x-comp	y-comp
F_1	150	+129.9	+75.0
F_2	80	-27.4	+75.2
F_3	110	0	-110.0
F_4	100	+96.6	-25.9
		$R_x = +199.1$	$R_y = +14.3$