




**Department of Mechanical Engineering**  
**Innovative Teaching Methods**

Activity Title	Role Play
Faculty Name/Department	Mr Sakthivel D / Mechanical Department
Mapped Course Name & Code	ME8651 / Design of Transmission Systems.
Date	23/03/2023
Benefitted Students (Year / Sem / Dept)	III Year / VI / Mech
Topic	Design to belts drives.
Description	<p>Design of belt drive concept is explained by role-play exercises by the students. The students assumed the role of the following,</p> <p>Student 1: Types of belt drive. Student 2: Material Selection. Student 3: Application of belt drive.</p> <p>The students performed their roles in front of their classmates. This activity helped the students understand the process of planning activities.</p>
Course Outcomes (CO)	CO1: Identify the concepts of design to belts, chains and rope drives.
Performance Indicator (PI)	1.3.1
Mail ID ( for review)	mech.sakthivel@msajce-edu.in
Activity Photos	

**Topics/ Questions:**

1. Classification of belt drive.
2. Selection of the materials.
3. Application of belt drive.

**Marks:**

Group Name ( if ITM is a group activity)	Reg No.	Topic	Marks		Total
			Presentation (10)	Subject Knowledge (10)	
A	311820114003, 311820114017, 311820114309	Process Planning Activities	9	10	19
B	311820114302, 311820114314, 311820114008	Process Planning Activities	10	9	19

**Outcome:**

Better understanding of the Types Belt, Material Selection, and various application of belt drive system.