

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

Activity Title	Role Play
Faculty Name/Department	Dr.M.Shunmugasundaram / Mechanical Department
Mapped Course Name & Code	ME8793 / Process Planning and Cost Estimation
Date	30/08/2023
Benefitted Students (Year / Sem / Dept)	IV Year / VII / Mech
Topic	Process Planning Activates
Description	<p>Process Planning activities concept is explained by role-play exercises by the students. The students assumed the role of the following,</p> <p>Student 1: Drawing Interpretation, Material Selection Student 2: Machine and Tooling Selection Student 3: Quality Assurance Methods</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)	CO2: Summarize the selection process of jigs and fixtures, quality assurance methods, and document process for process planning
Performance Indicator (PI)	1.4.1
Mail ID ( for review)	mech.shunmugasundarem@msajce-edu.in
Activity Photos	



#### Topics/ Questions:

1. Classification of drawing.
2. Process for selection of the materials
3. Method for selecting the machine and tooling
4. Importance of quality assurance methods

#### Marks:

Group Name ( if ITM is a group activity)	Reg No.	Topic	Marks		Total
			Presentation (10)	Subject Knowledge (10)	
A	311820114009, 311820114017, 311820114309	Process Planning Activities	9	10	19
B	311820114307, 311820114314, 311820114008	Process Planning Activities	10	9	19

#### Outcome:

Better understanding of the Drawing Interpretation, Material Selection, Machine and Tooling Selection, and Quality Assurance Methods