

# Experiential Learning

**Course Name and Code : Tool Engineering (ME2063)**

**Class and Div. : S.Y. B Division**

**Department : Mechanical Engineering**

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# Purpose and Motivation

## Design of Jig

- Student should read drawing
- Student should decide reference surface
- Students should understand locating methods
- Student should understand clamping method
- Students should understand tool guiding element
- Student should develop Jig
- Students should develop resource material

## Suitability of Technique to course

In the second year of engineering student don't know about major engineering practices and there relevance

When they see and experience the things it will help them to understand the concept

# Procedure of Technique

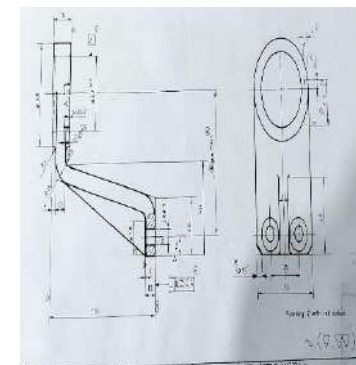
Drawing given to the students and asked them to draw the free hand sketch of the part

Part shown to them asked to compare

Asked them to design the jig for particular operation

Jig shown to them and asked to compare

Jig given to them to experience its working



# Outcomes of Technique

Students have understood

Role of locating elements

Role of clamping elements

Role of tool guiding elements

Design the jig

Prepared study material



# Photographs and Student Response



- [Video 1](#)
- [Video 2](#)
- [Video 3](#)
- [Video 4](#)
- [Video 5](#)
- [Video 6](#)

**THANK YOU!!!!**