

# EX. No.3.1. CREATE 3D MODEL FROM ORTHOGRAPHIC PROJECTION

DATE:

AIM:

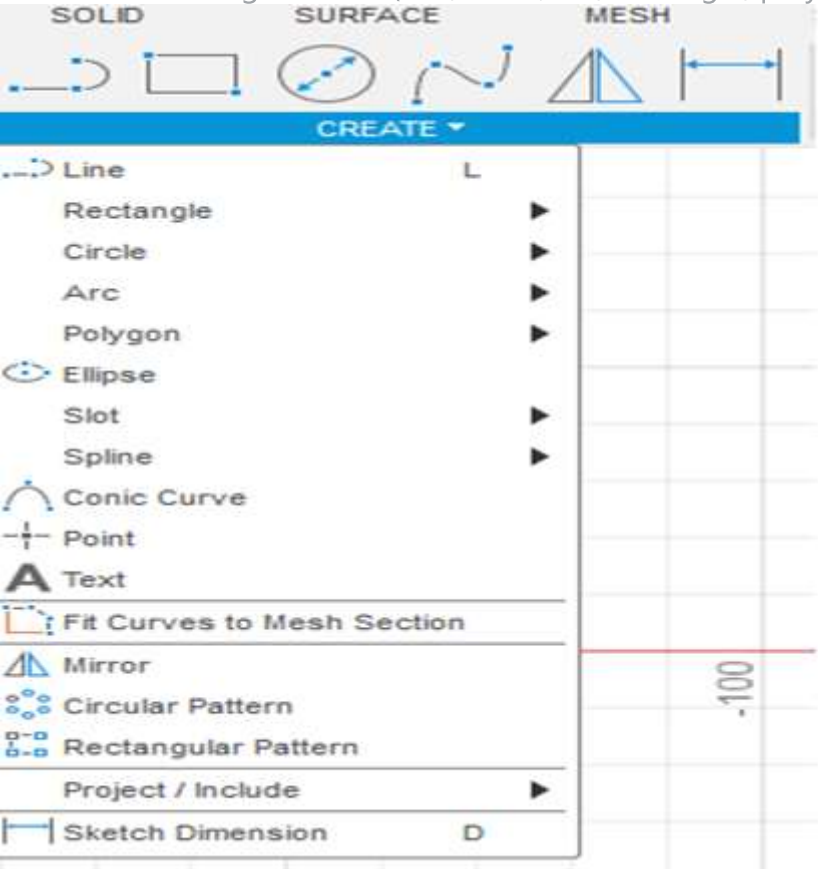
To create a 3D model from given orthographic projection.

## REQUIREMENTS:

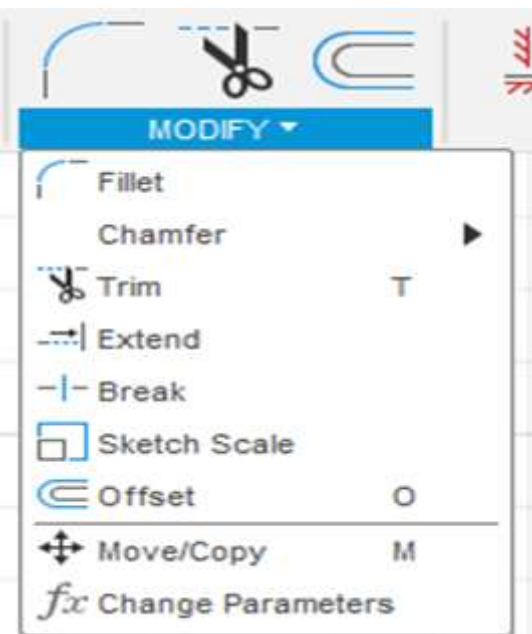
- 1. Autodesk fusion 360
- 2. Windows 10
- 3. 16 GB of RAM (integrated graphics recommend 1 GB or more)
- 4. 2.5 Mbps or faster download; 500 Kbps or faster upload

## PROCEDURE:

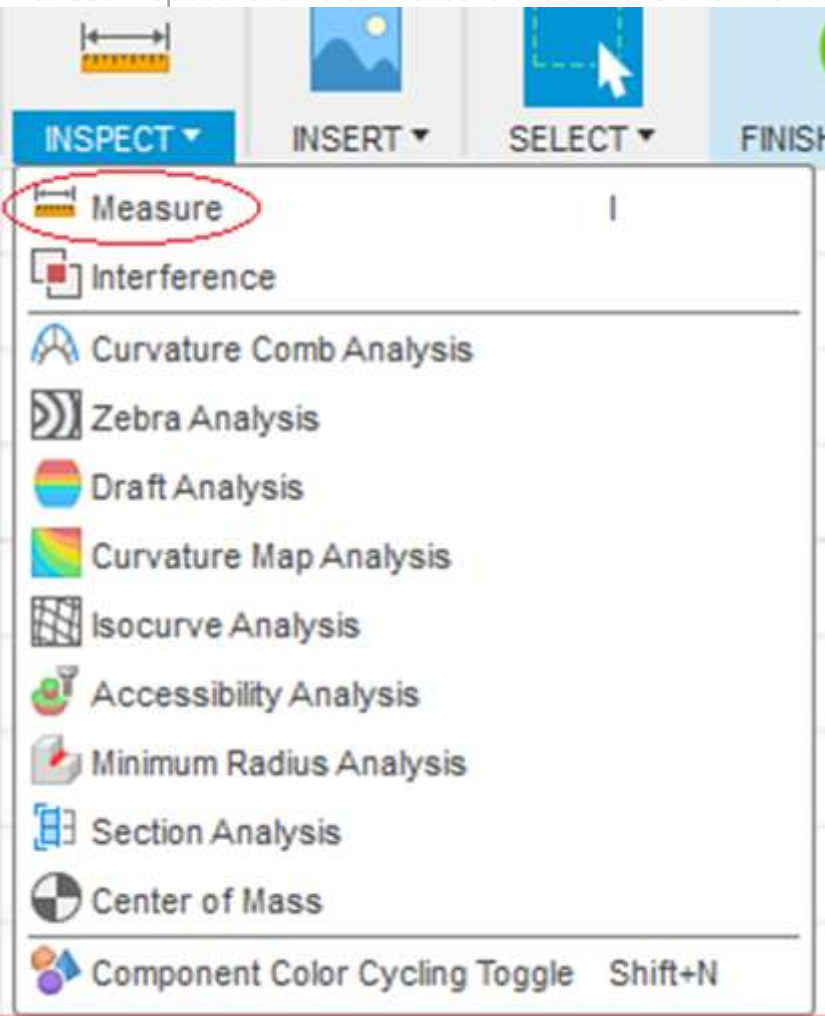
- 1. Open new file and then select sketch icon.
- 2. Select the plane for sketching.
- 3. Use sketching features (line, circle, arc, rectangle, polygon, etc.,) to draw the given sketch.



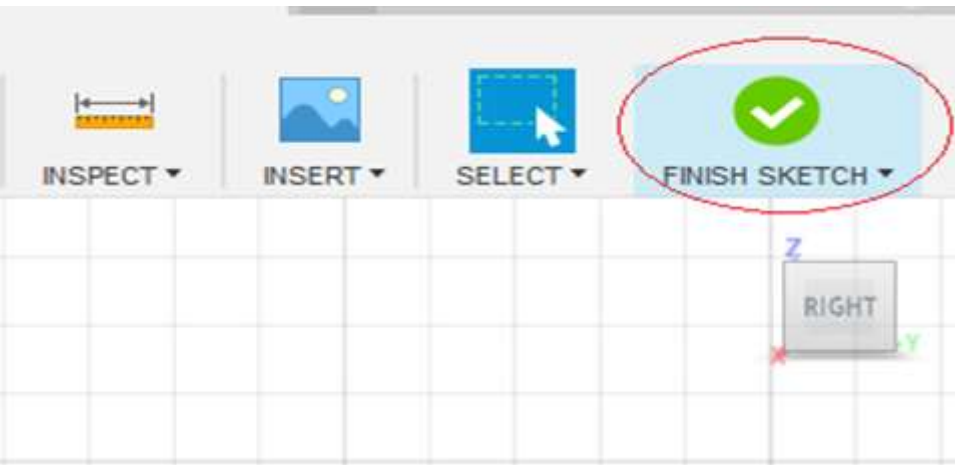
- 4. Use sketch modifying features (cut, trim, mirror, move, etc.,) to edit the sketch.



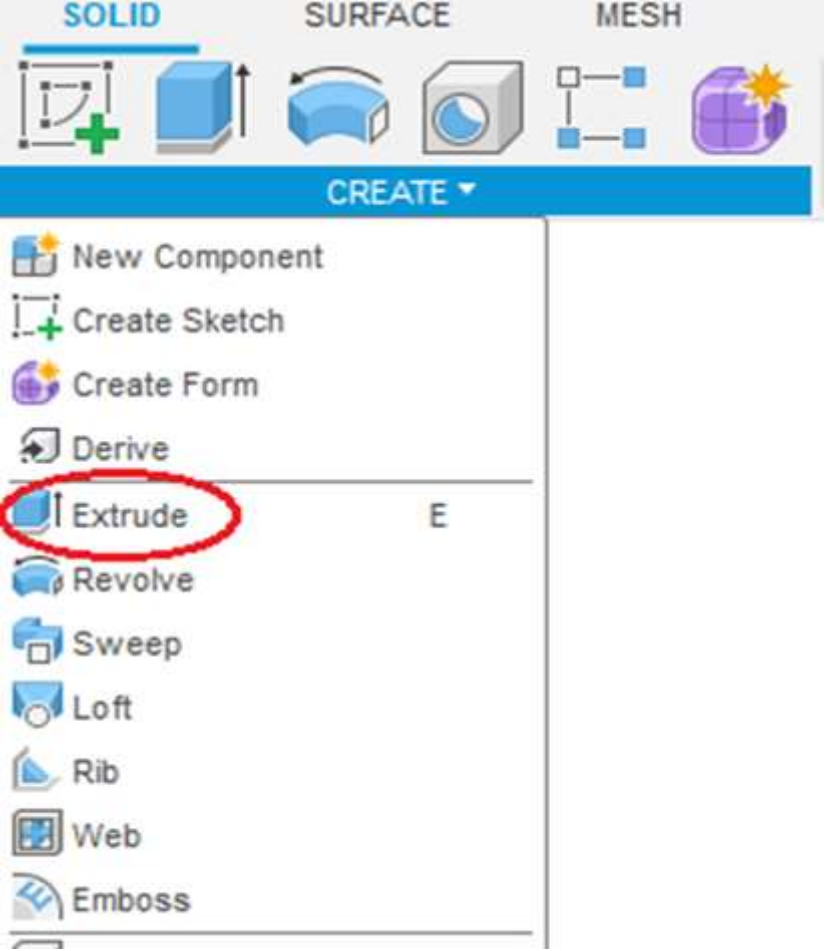
5. Use inspect feature to measure the dimensions of sketch.



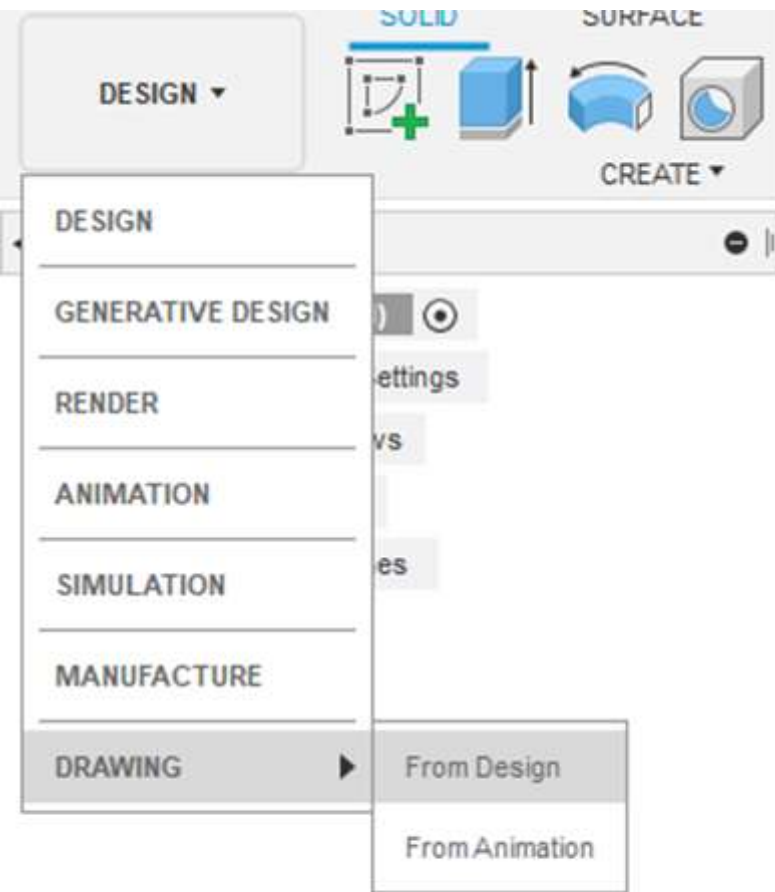
6. After finishing the sketch use finish sketch option to finalize the sketch.



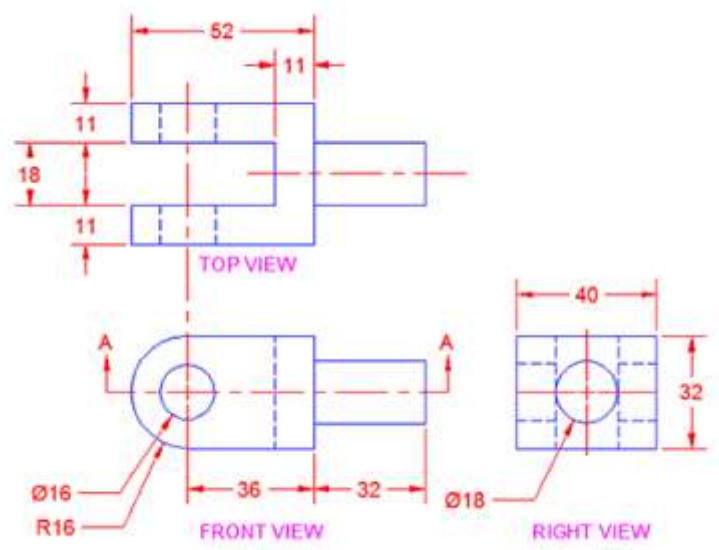
7. Use extrude option to convert 3D model from sketch



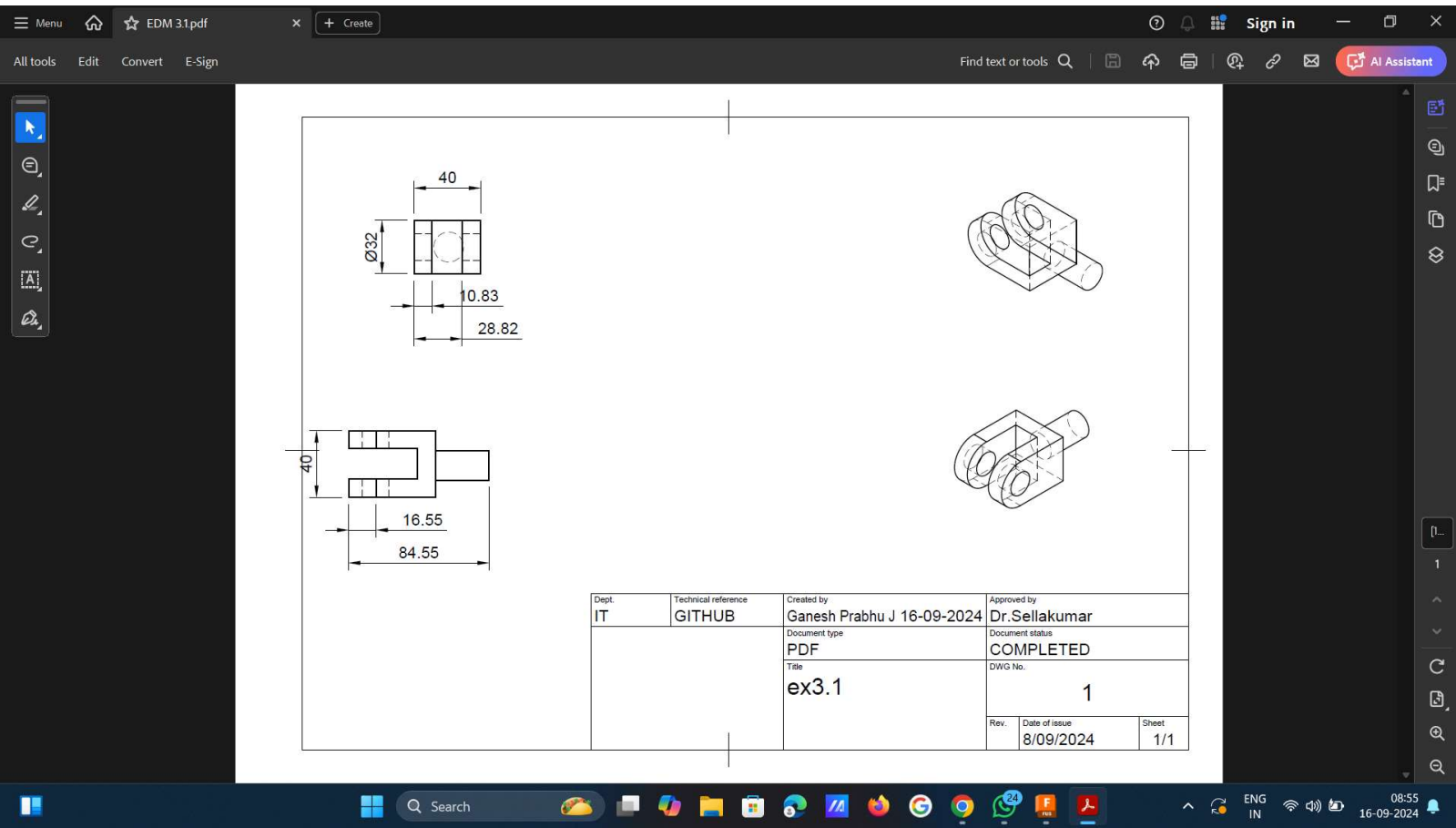
8. After finishing the model convert to drawing sheet per ISO standard.



INPUT:



OUTPUT:



**RESULT:**

Thus, 3D model is created from orthographic projection.