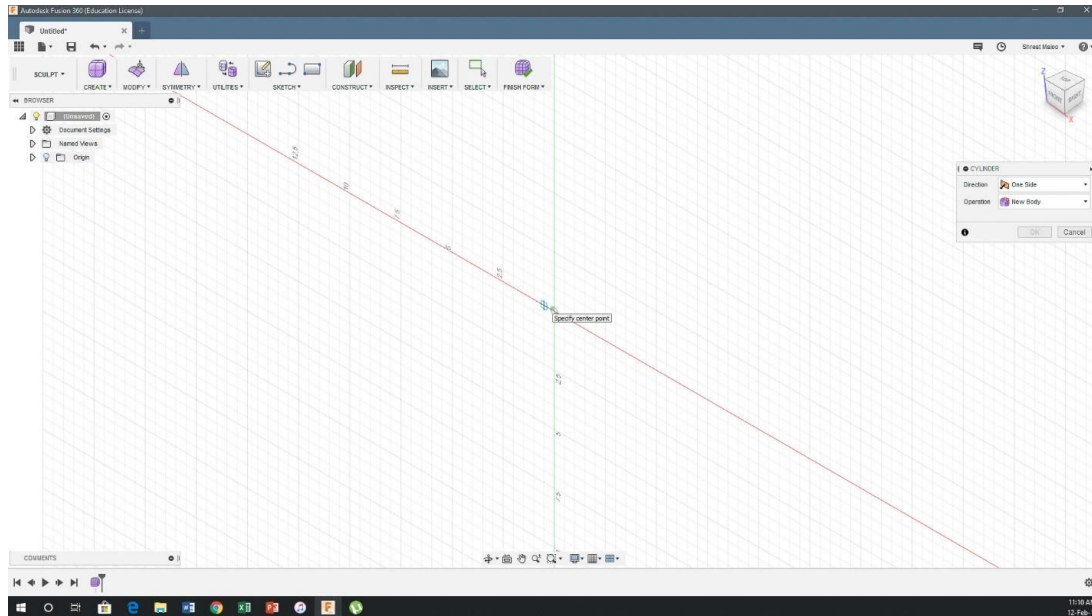FEB 16 - SPECIAL WORKSHOP AT IN5 DESIGN, D3

DESIGN AND 3D PRINT YOUR OWN JEWELLERY

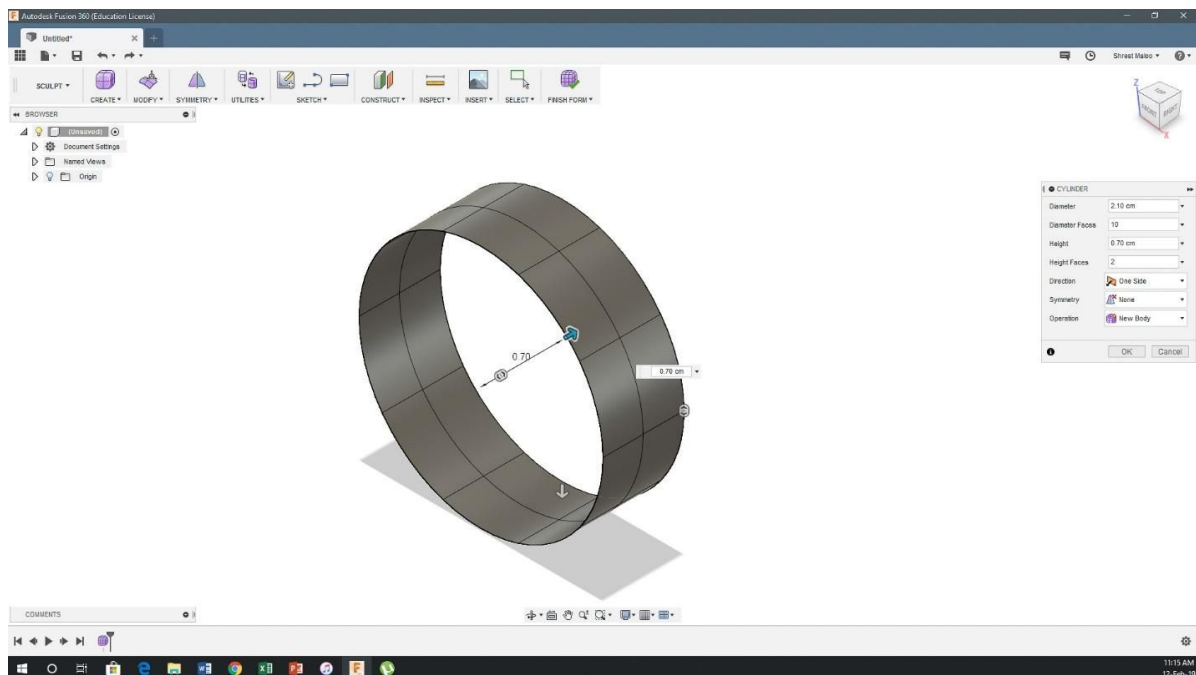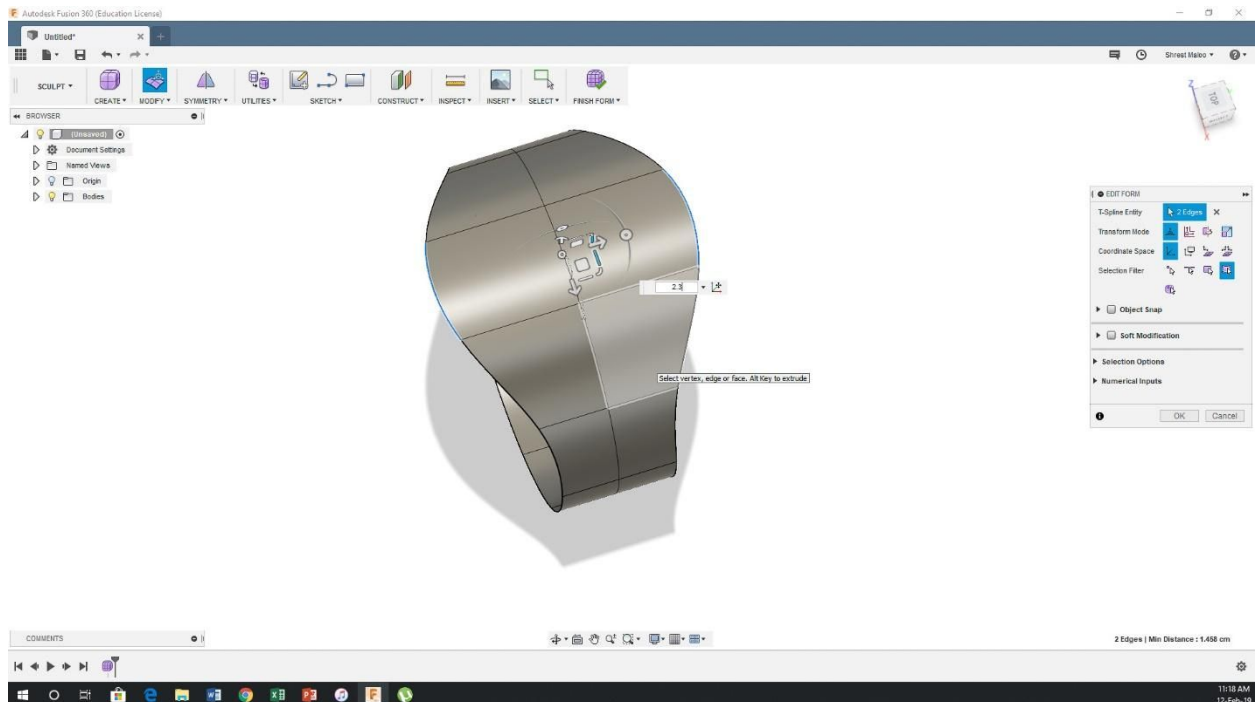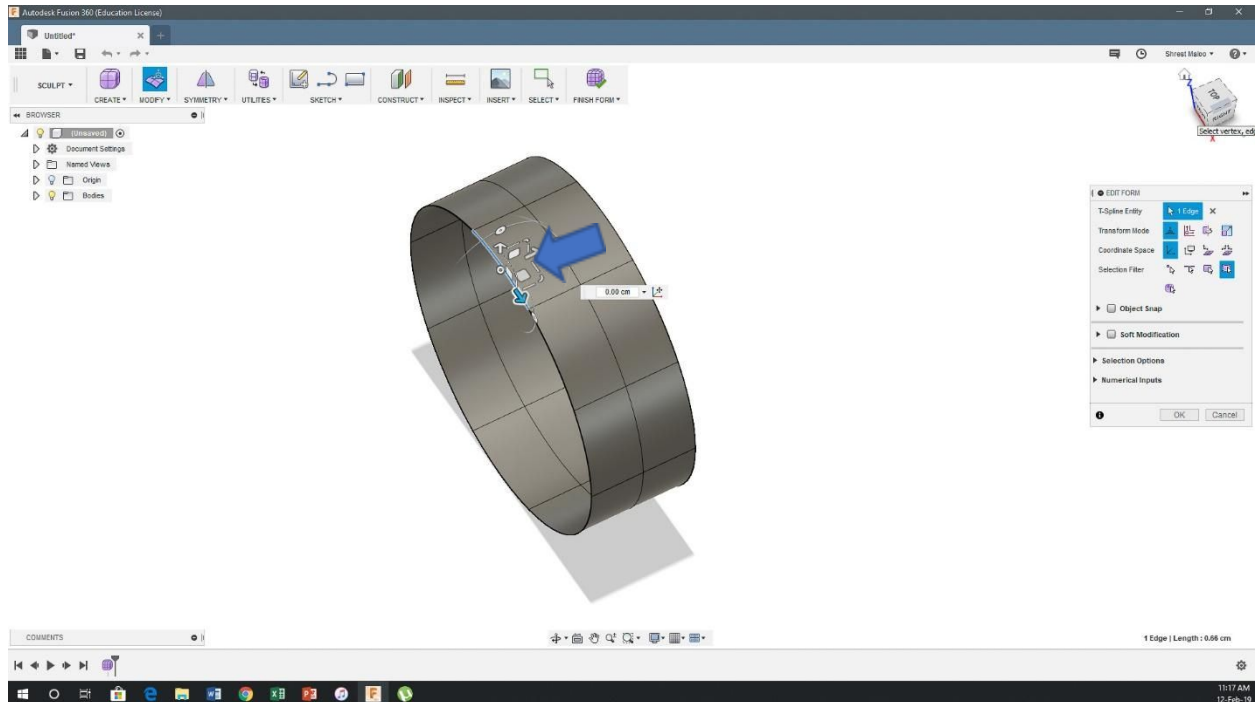# Monogrammed Ring guide

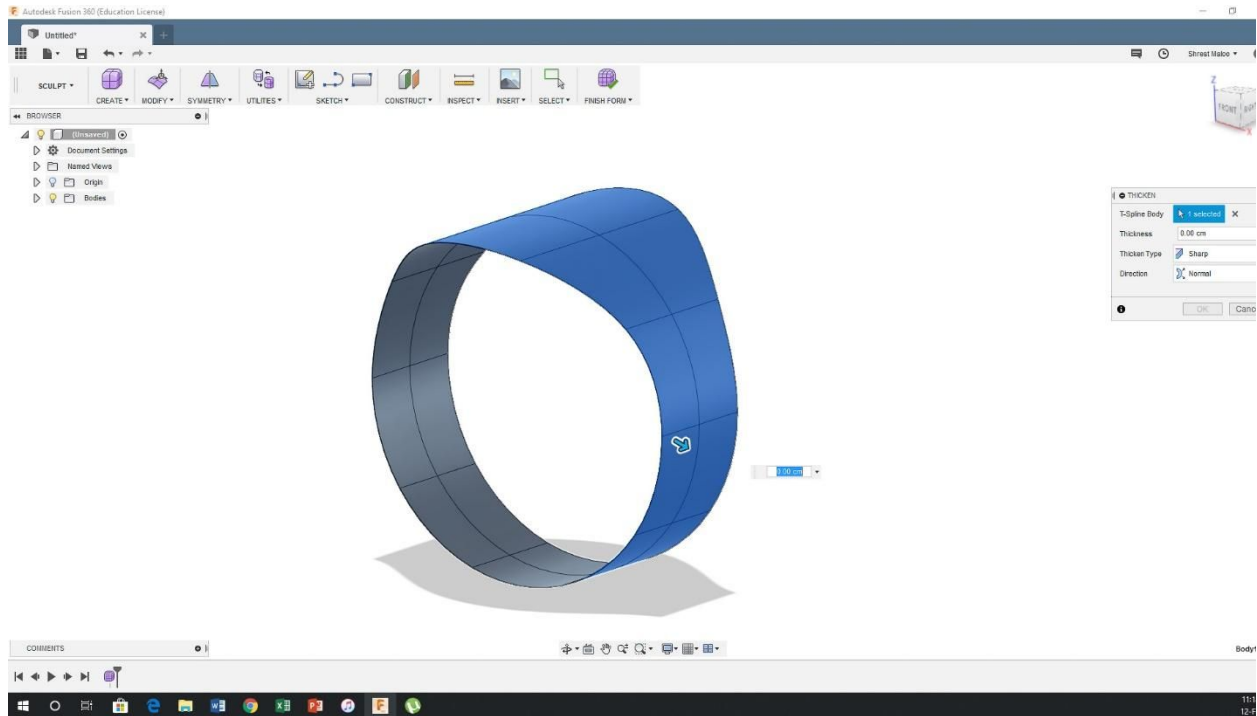**Step 1 : Go to Create and Select Create Form.**

Step 2 : Go to Create → Select Cylinder → Choose Appropriate Side to Create → Select Diameter → Press with Mouse and this screen should open and then choose the diameter faces and the number of height faces.
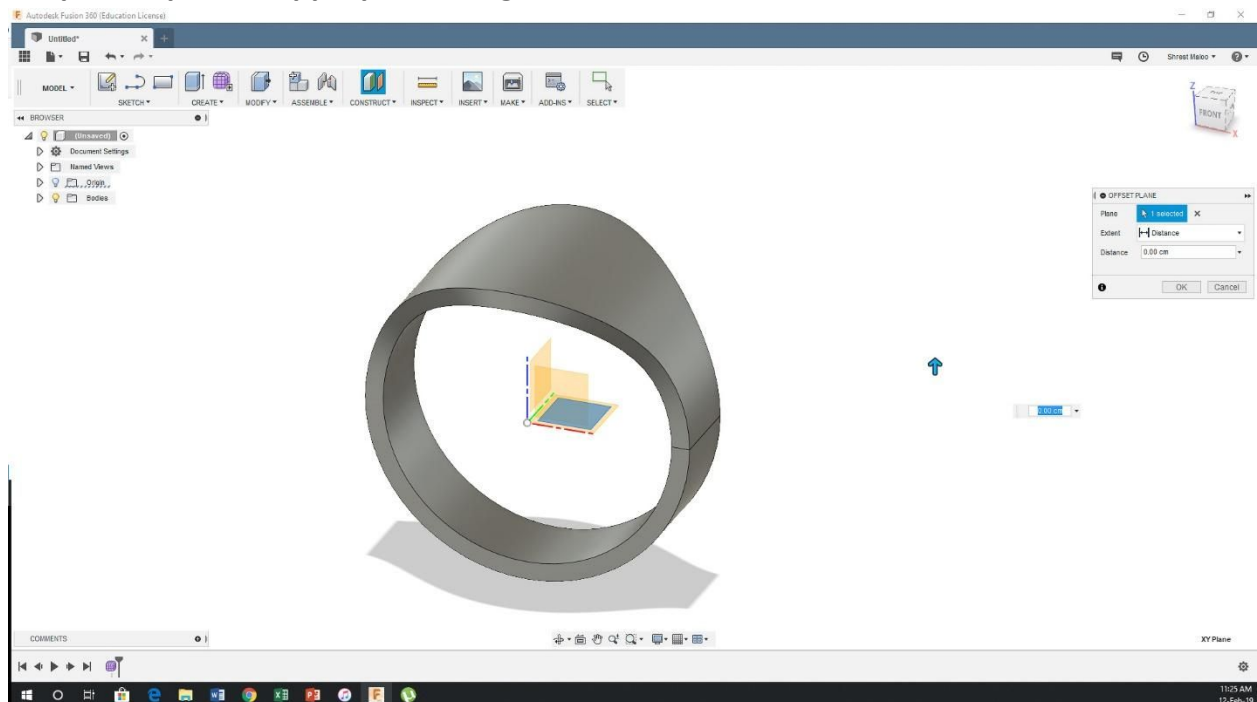
Step 3 : Select the Edge as shown in the figure → Go to Modify → Select Edit form → Select the tab shown below and use the arrow shown and pull it across on both edges for a symmetrical shape of the ring as shown in the next figure.
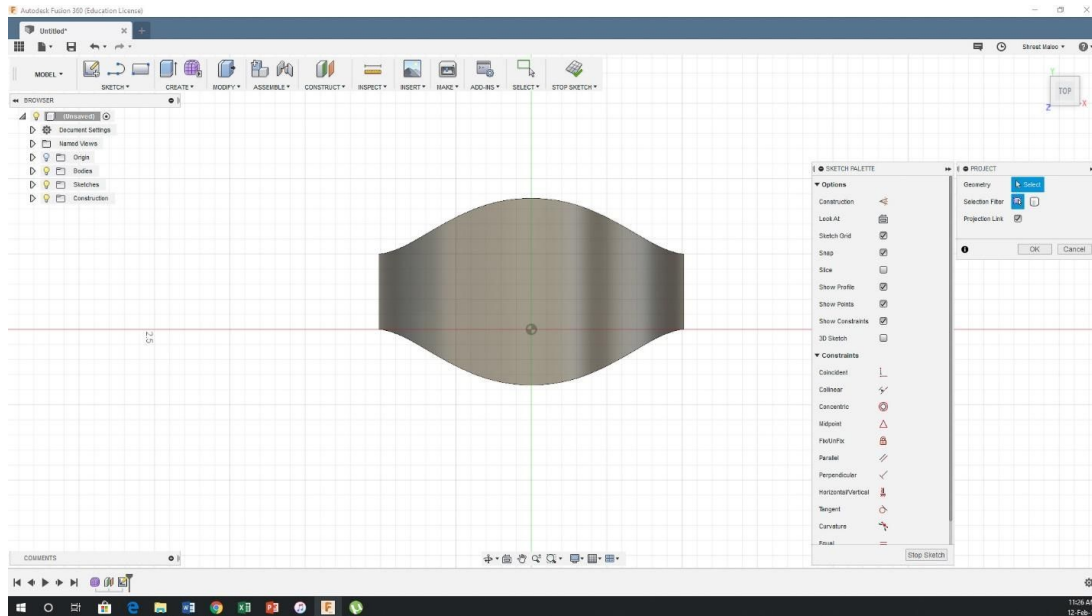
Step 4 : After making the appropriate shape → Press Finish Form → Go to Create/Modify → Press Thicken → Select the figure → Take an appropriate thickness (0.1-0.2 recommended) → Press OK.
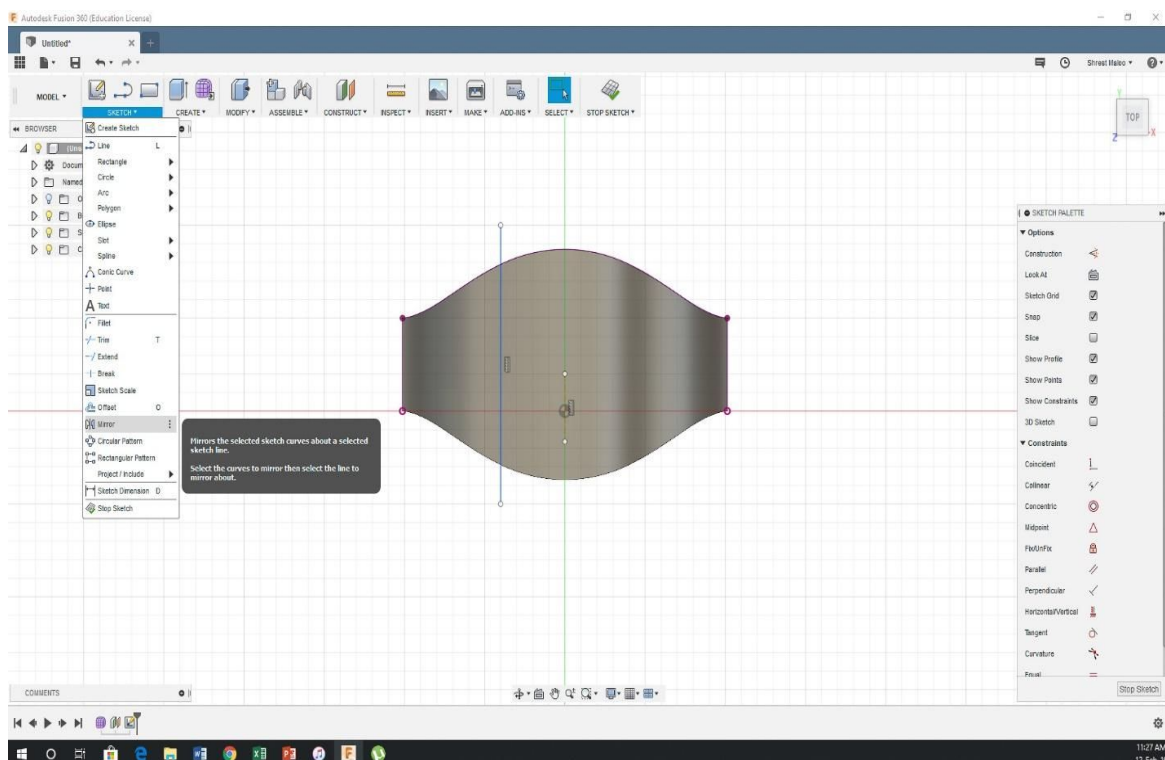

Step 5 : Go to Construct Plane → Press Offset Plane → Select the Top/Y Plane → Pull the plane up to an appropriate height. → Press OK.
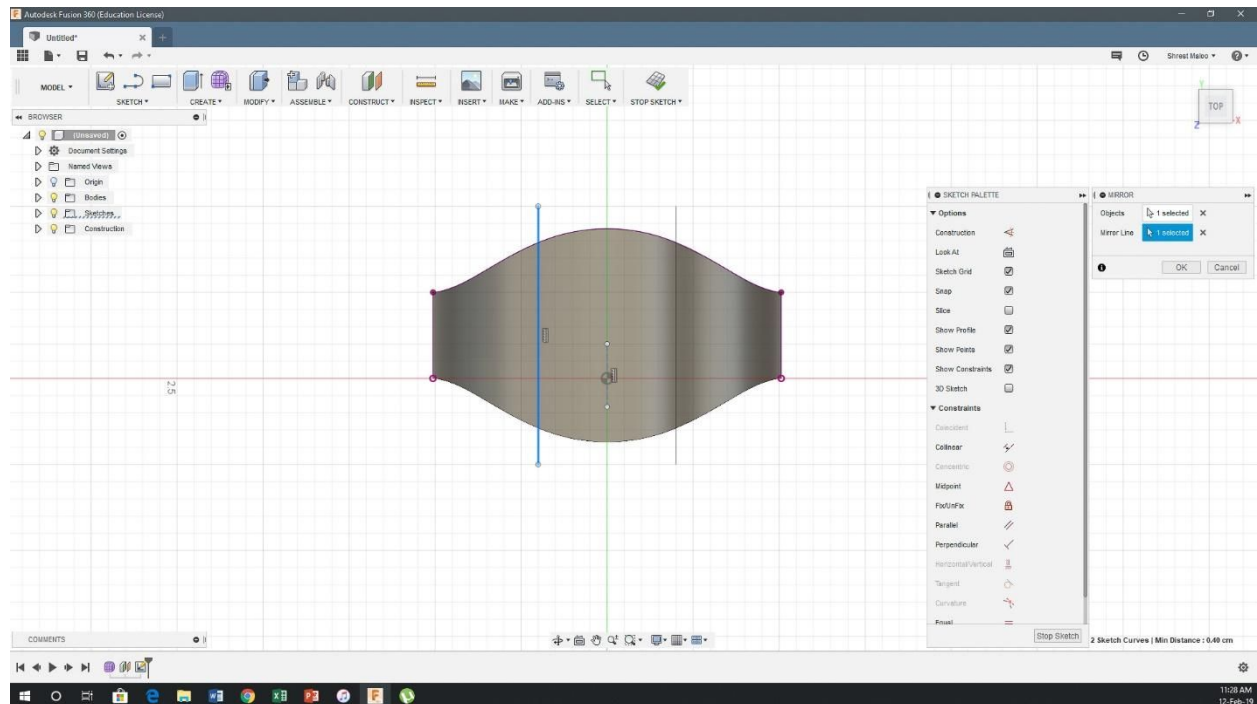
Step 6 : Press Create Sketch → Press the Plane you created in the previous step → Press 'P' or Go to Sketch Tab and Select Project → In Selection Filter Press Bodies (Second Tab). → Select the Body and Press OK.
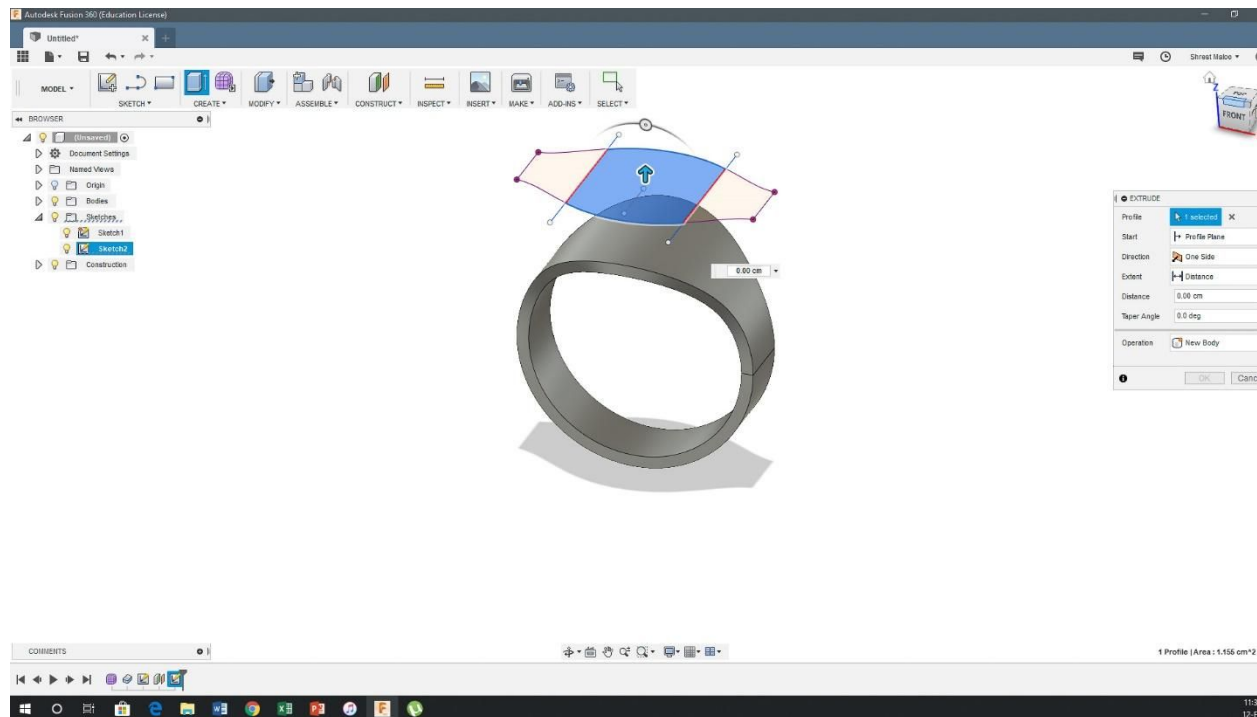

Step 7 : Press "L" or Go to Sketch and Press Line → Draw Line as in the figure below → In the Sketch Palette Tab, Press Construction for an imaginary line → Go To Line again and draw an imaginary line from origin. → Deselect Construction from the Sketch Palette.
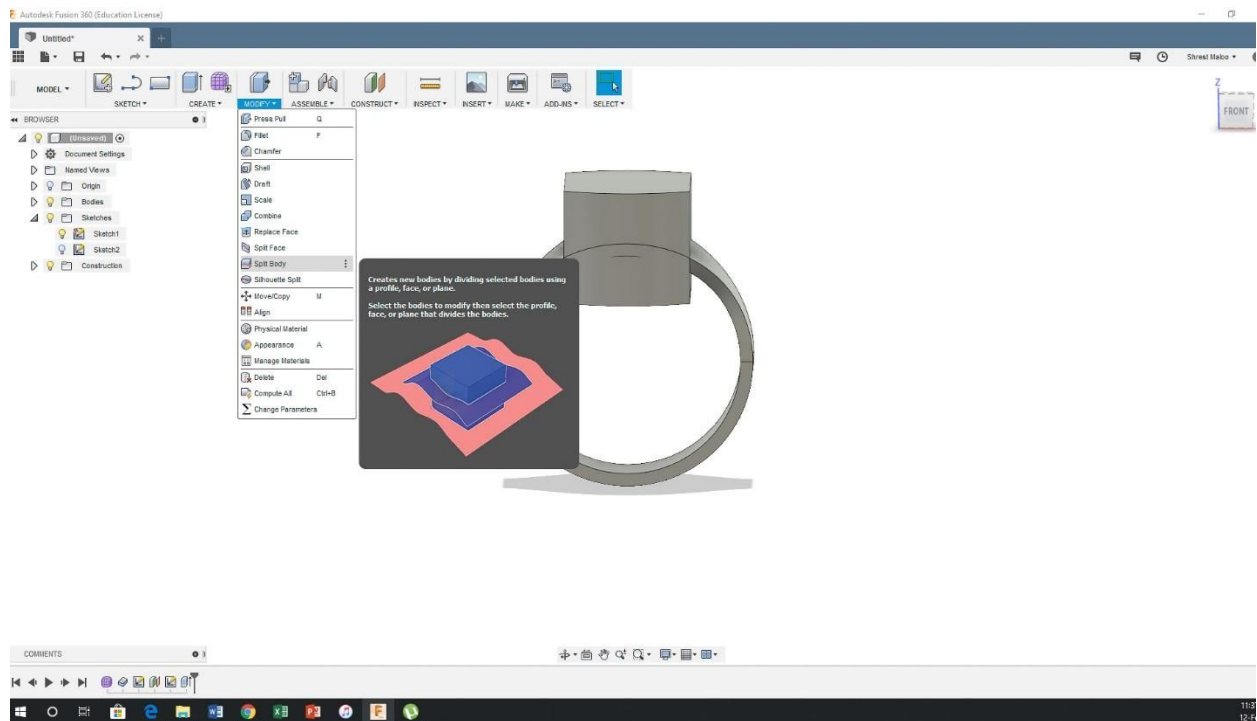
Step 8 : Go to Sketch and Press Mirror → Select the line you drew → Select Mirror axis → Press the imaginary line you drew in previous step → You should be able to see it like this → Press OK.
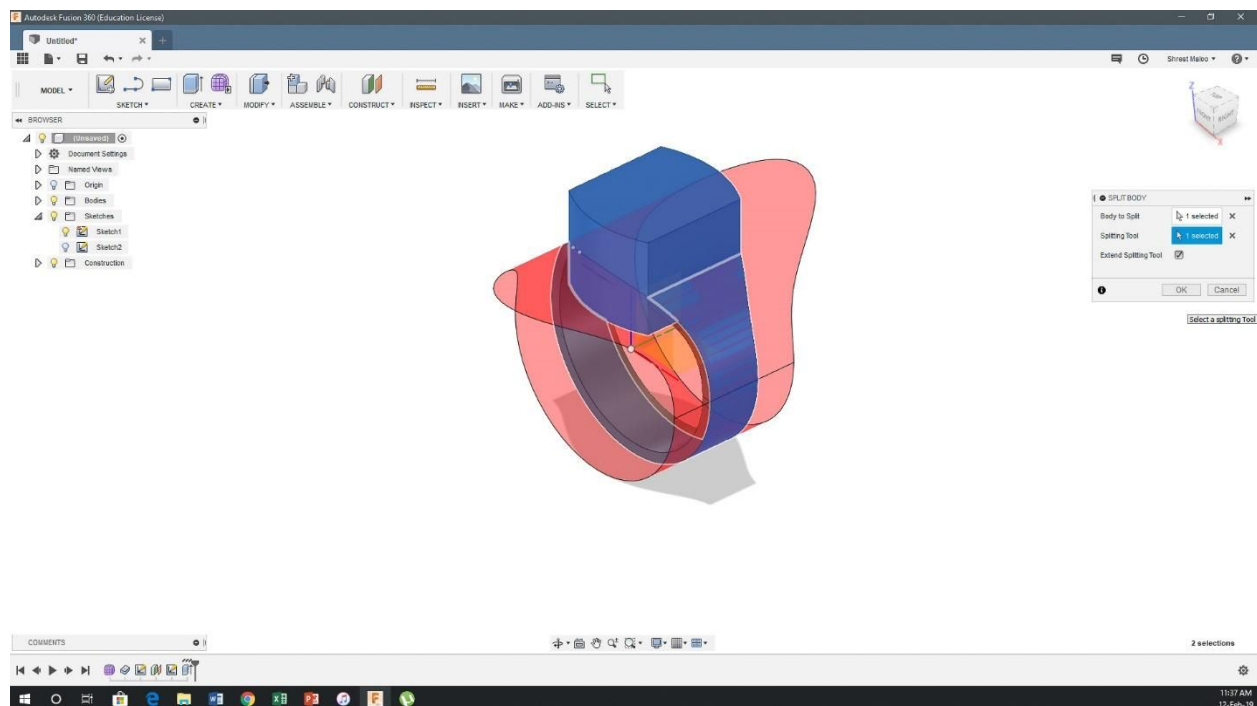

Step 9 : Press Extrude → Select the shape as shown → Pull it down → In the extrude palette, in "Operation tab", Select New Body instead of "Cut" → Press OK.
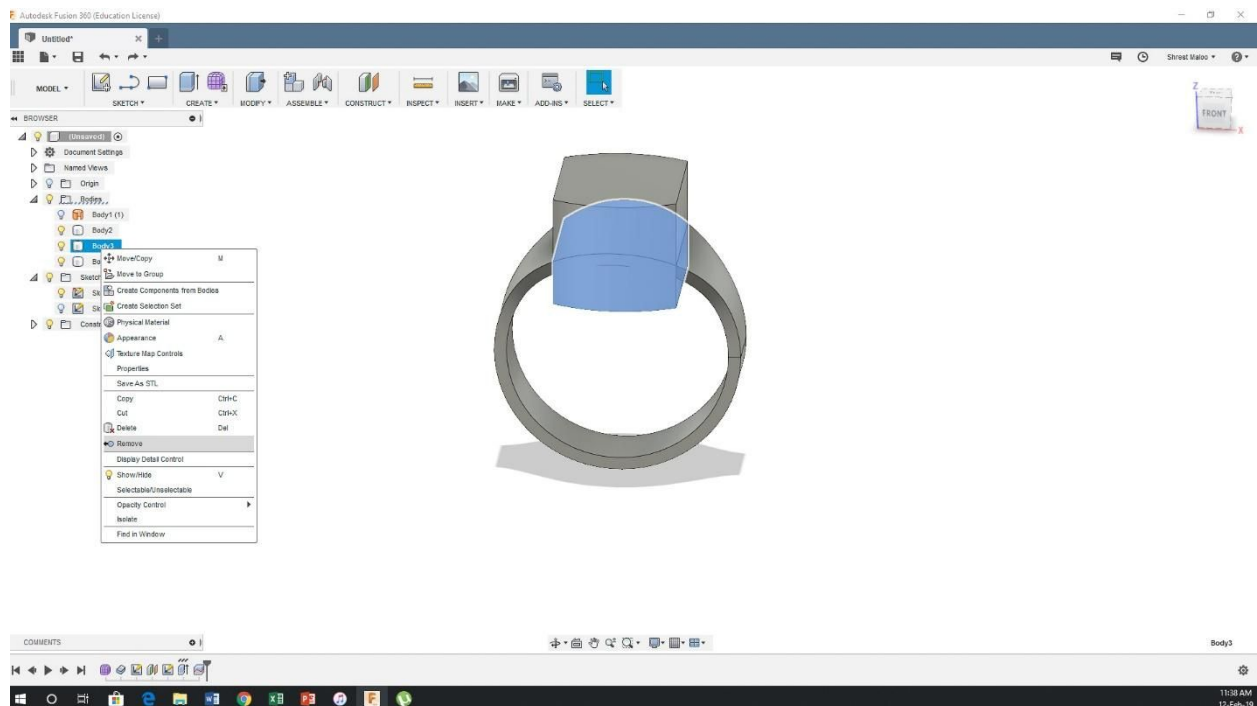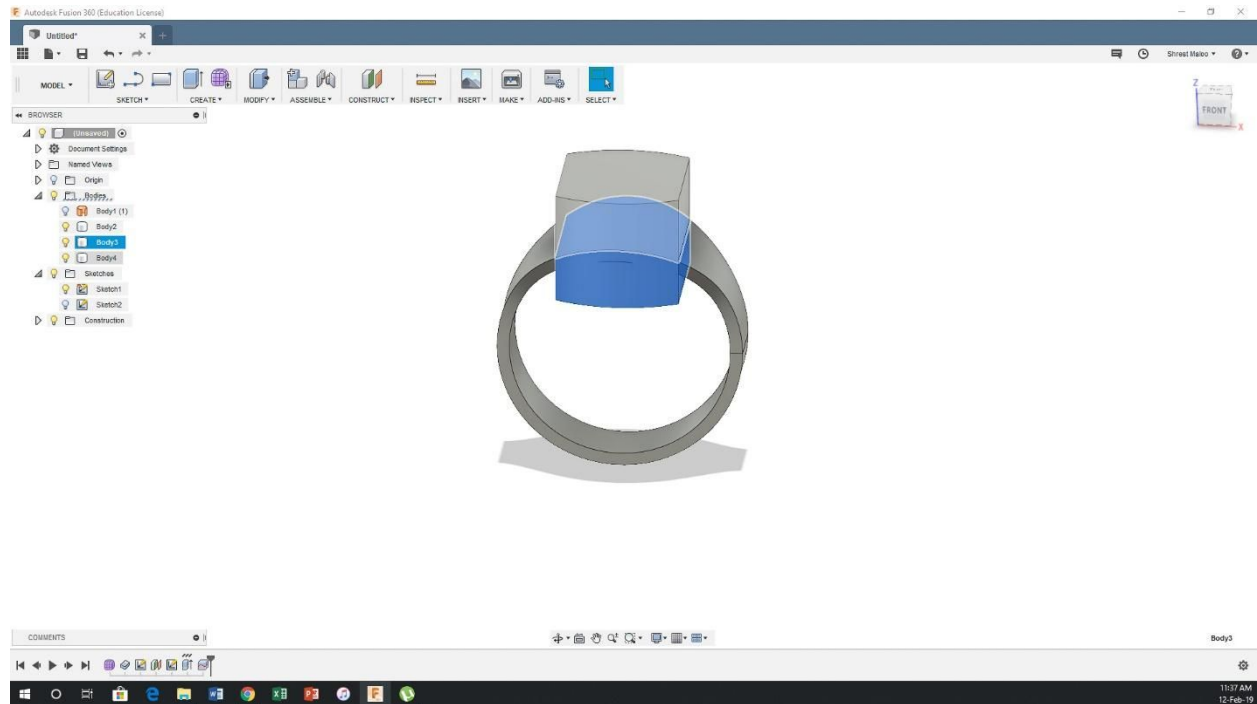
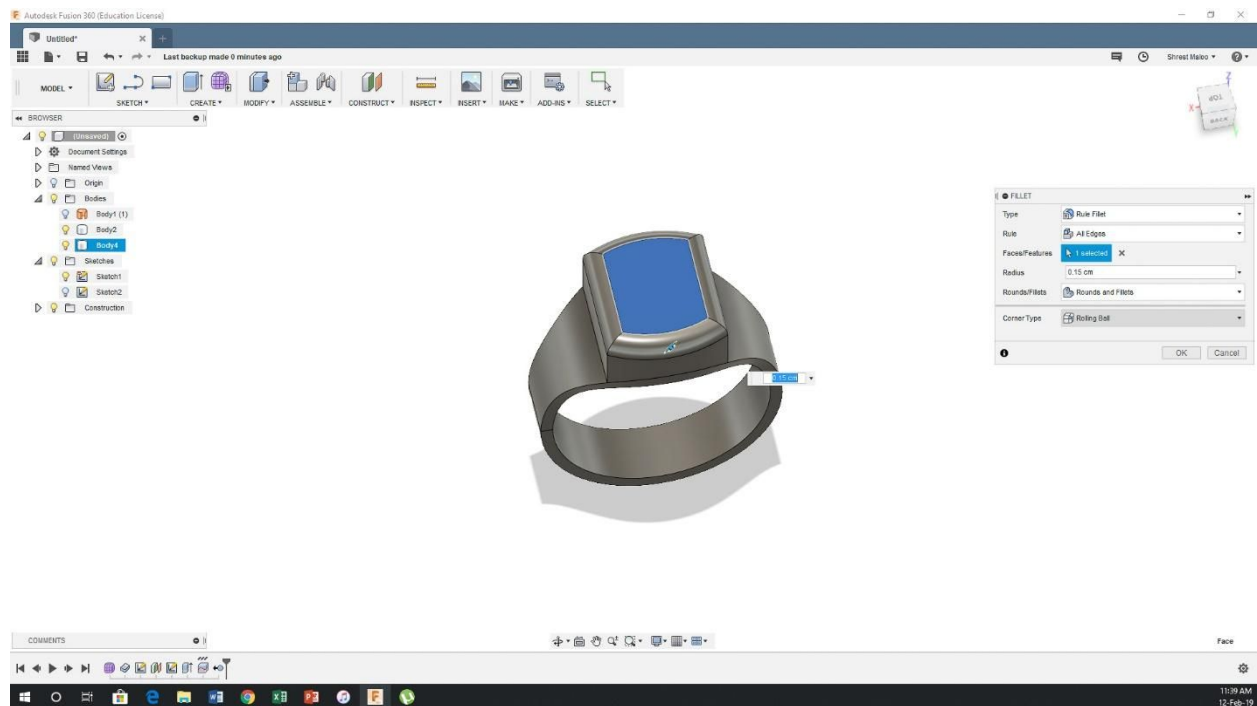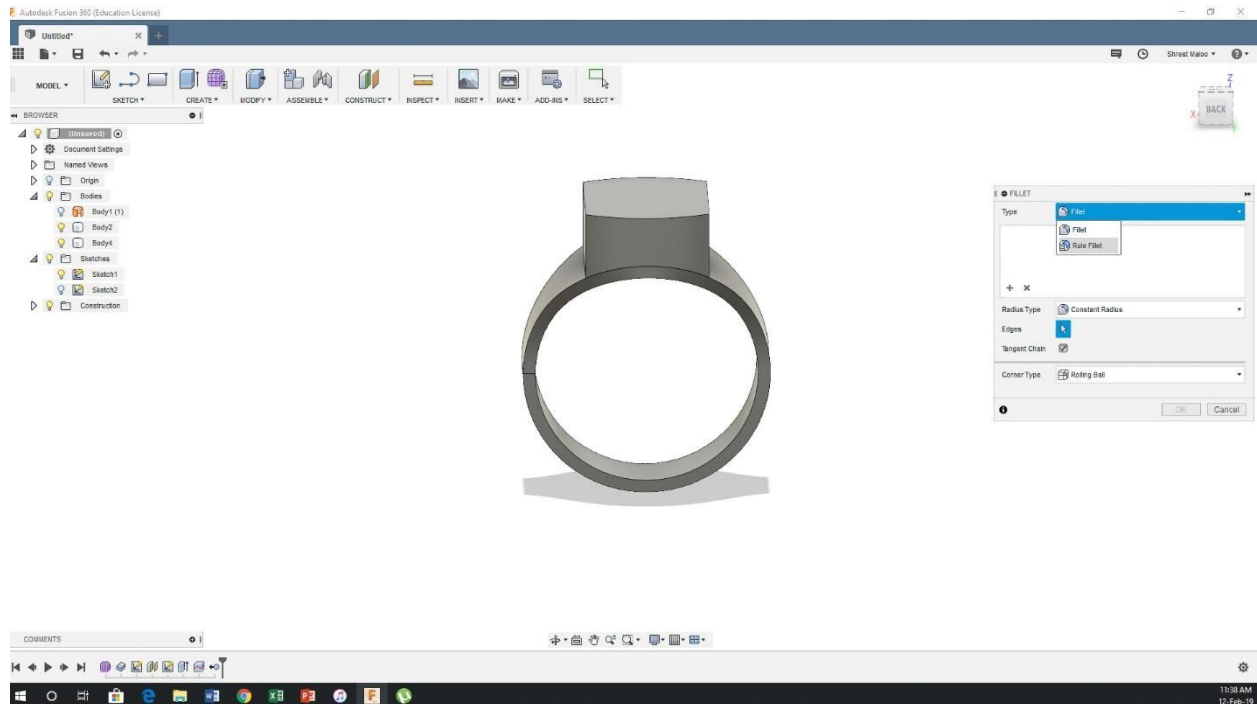**Step 10 : Go to Modify → Select Split Body.**

Step 11 : In the Split Body Palette → In Body to Split tab select the top figure → In the Splitting tool → Select the Ring body and it should be as shown in the figure below → Press OK.
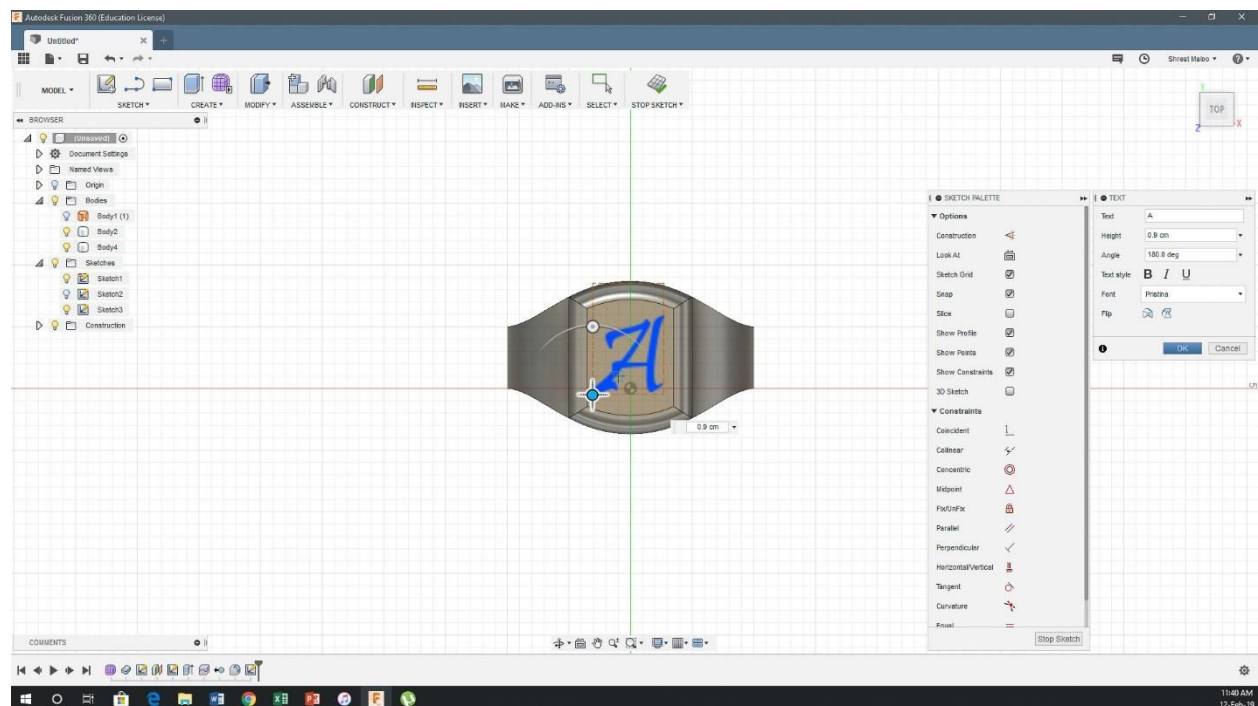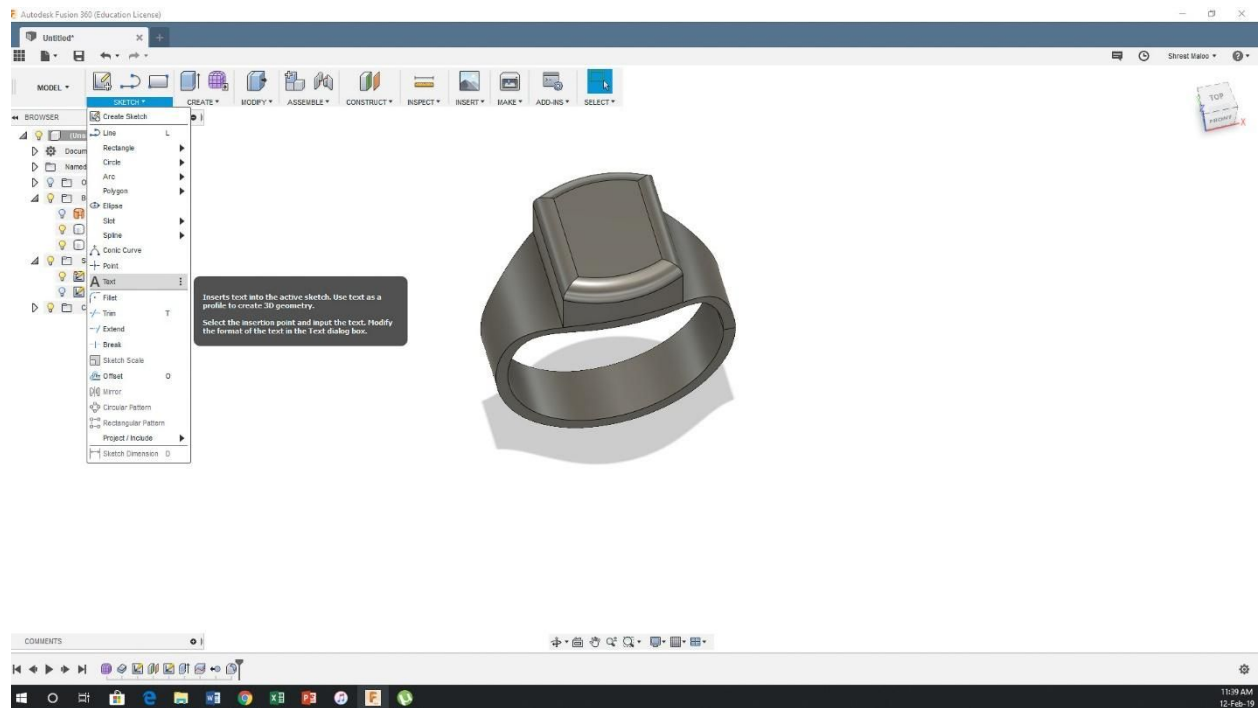
Step 12 : On the left side of your screen → Go to Bodies → Choose the lower part of the body as shown → Right Click and Select Remove.

Step 13 : Press "F" or Go to Modify → Select Fillet → In the Fillet Palette → Under Type Select Rule Fillet and Press the Top Face of the New Body and Pull the mouse for appropriate Finishing.

Step 14 : Go to Sketch → Press Text → Select the top face again from the previous step → Type appropriate Letter and Select Appropriate Font → Press OK.

Step 15 : Press "E" or Go to Create and Press Extrude → Select the Letter and pull it down from the arrow as shown below (Make sure in the operation tab "Cut" has been selected) → Press OK.