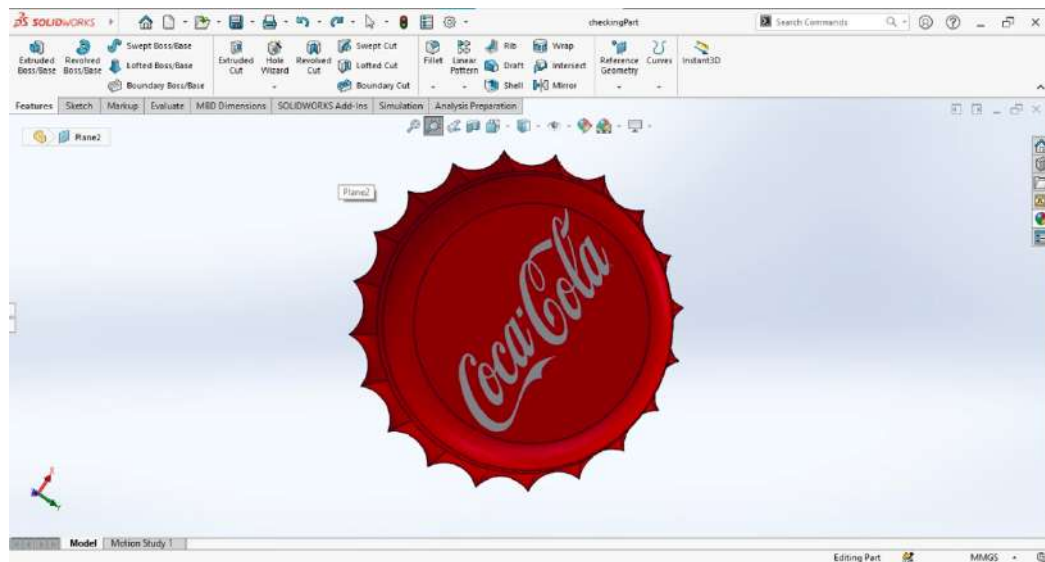**Name of Component - 3： Cocacola Bottle Cap**
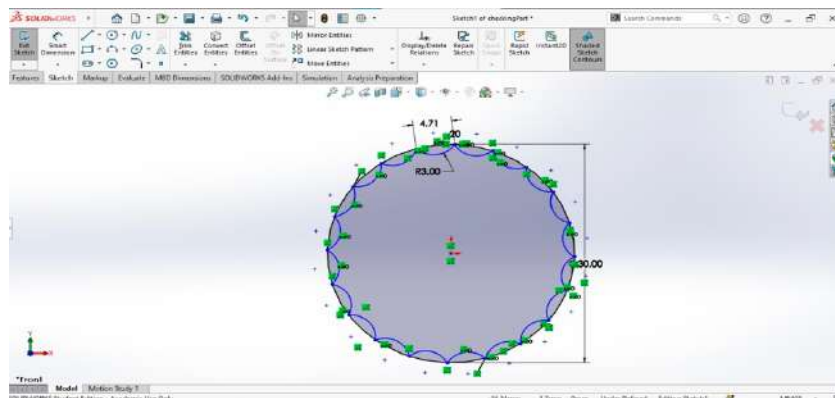
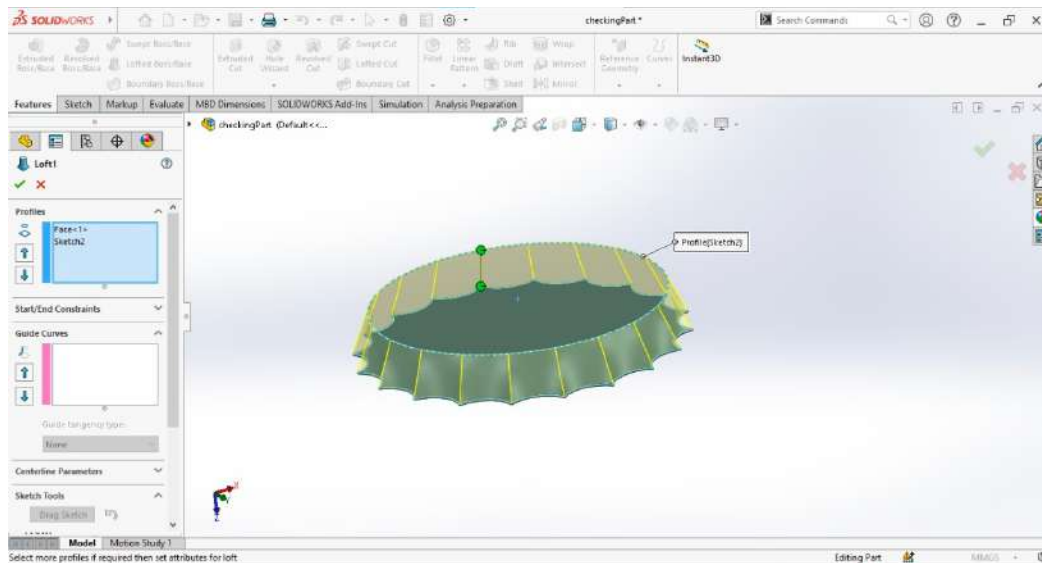Dimensions are set as **MMGS**

Color as **Red**
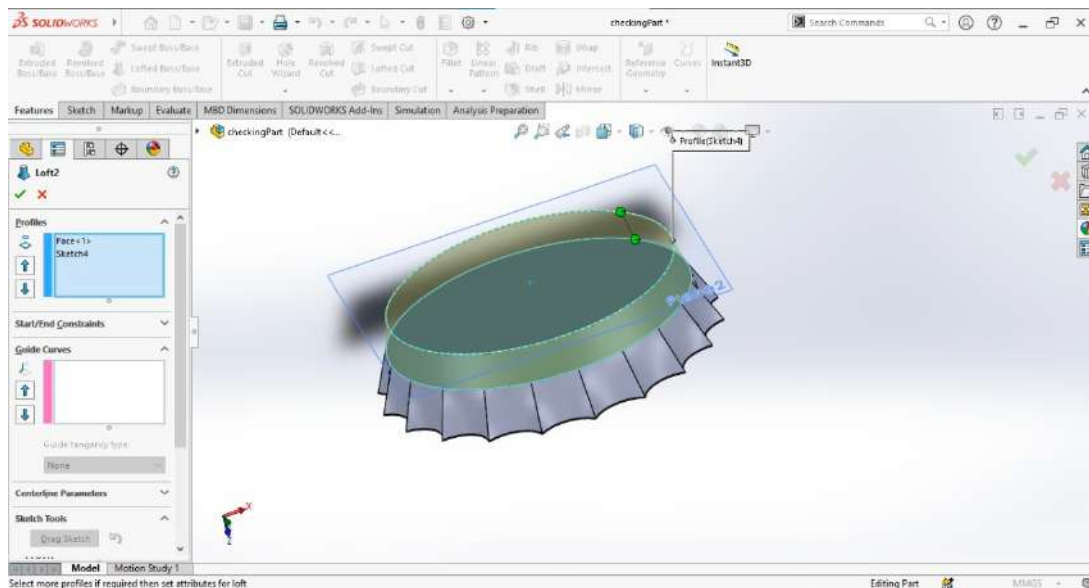
FINAL RESULT

STEPS FOR CONSTRUCTION:

1. Create a circle of diameter=30mm.

2. Using 3-Point Arc create an arc inside the circle touching its boundary with the length=4.71mm with radius=3mm.

3. Go to Sketch Patterns and choose Circular Sketch Patterns.

4. In parameters choose Center of circle i.e., Point 1 and or Entities to Pattern as Arc, and choose 20 as count.
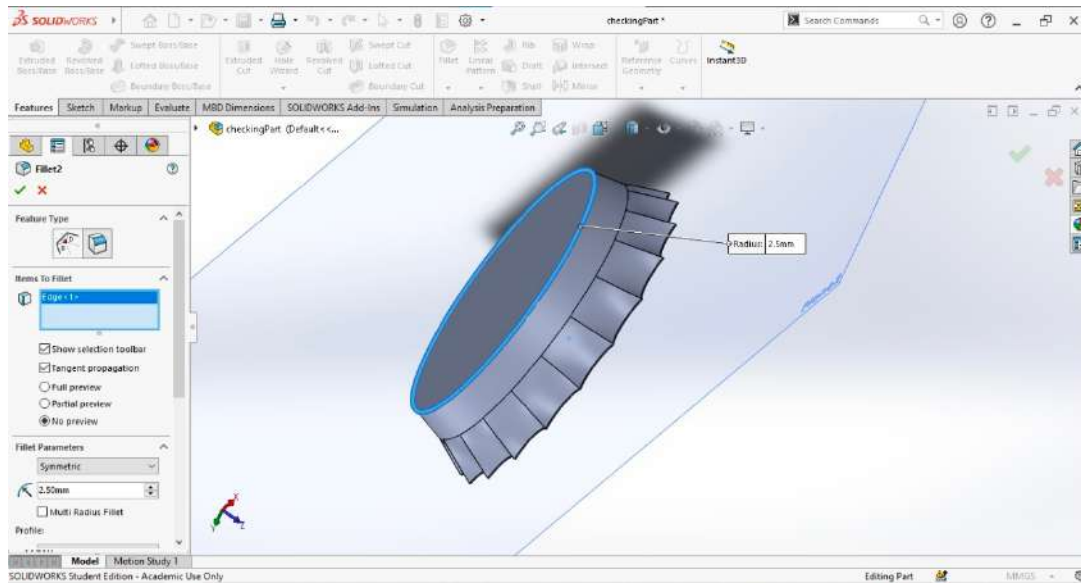
5. Now click on Display/Delete Relations and set the sketch to fully defined and calculate it.

6. Now Extrude the shape inside the circle to a height of 0.1mm

7. Create a plane above the part above 4mm.

8. Create a circle of D=26.5mm and for First Diagram Convert the entities.

9. Now Use Lofted Bose/Base.

10. Create a new plane 3mm above and create a circle of radius=12.5mm
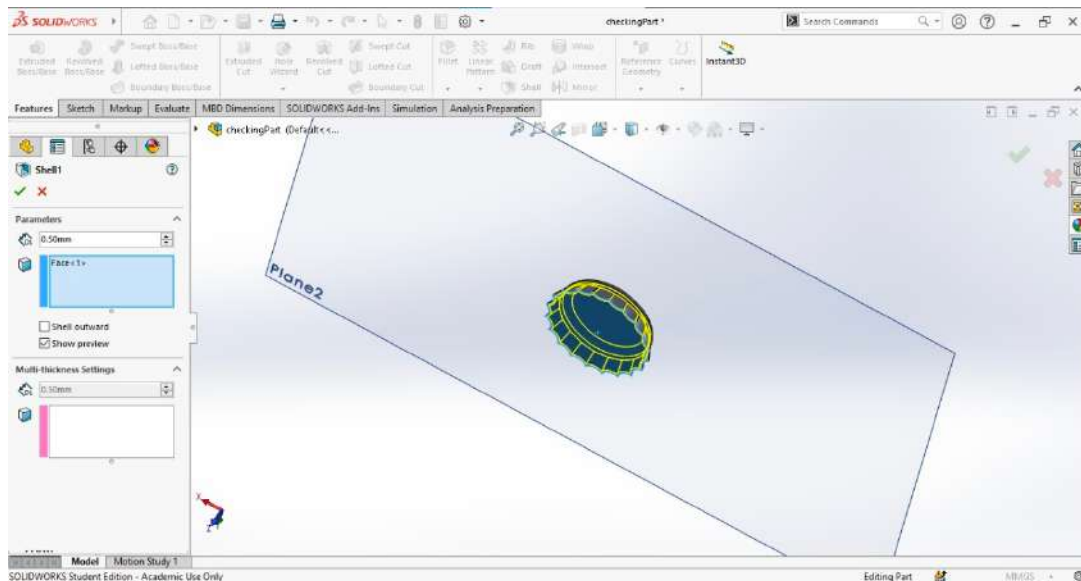
11. And Use Lofted Base/Bose again

12. Now using Fillet Set Fillet Type=Constant Fillet and radius=2.5mm

13. On Bottom Create a circle of diameter=35mm and extrude cut it to height=0.1mm

14. Now choosing Shell Option Choose Bottom view, and select the diameter=0.5mm

15. Now using Color, we set the color for our model as red and applied a decal of our choice.