

## Task 2: Thursday 6/1/2022[6 Marks]

- **Input:**

Use the mouse clicks to control user input, please follow the below order in taking input

1. First two clicks for drawing circle window [.5]
2. 2 Clicks for first small circle (Right Eye of the shape) [.5]
3. 2 Clicks for second small circle (left Eye of the shape) [.5]
4. 4 clicks for **curve** (Shape's Smile) [1]
5. 2 clicks for line1(Hair of the shape) [.5]
6. 2 clicks for line 2(Hair of the shape) [.5]
7. 2 clicks for line 3(Hair of the shape) [.5]

- **Note:** Mark any portion of the shapes inside the window (circle) with blue otherwise will be red  
Mainly we are focus on two points

1. clipping line using circle as a clipping window [1]
2. flow chart of clipping algorithm which written in word file [1]

- **Output:** a Window (circle) with marked shapes

- **Hint:** Use any algorithm for line, circle and clipping process

