

CSE4221: Computer Graphics Lab Manual

Warm Up:

1. Draw the National Flag of Bangladesh
2. Write your name with animation
3. Simulate a scene of traveling through space

Experiment:

1. Simulate Hidden Surface Elimination or Visual Surface Detection
2. Implement the Cohen-Sutherland Line Clipping algorithm
3. Implement the Sutherland-Hodgman Polygon Clipping algorithm
4. Create the Bezier Curve
5. Simulate two-dimensional geometric Translation, Rotation, and Scaling
6. Draw a line with the Bresenham Line Drawing algorithm
7. Draw a circle with the Bresenham Circle Drawing algorithm
8. Draw the Snowflake Pattern with Fractal Geometry