Thadomal Shahani Engineering College

Computer Engineering Department

Experiment List

Subject: CG Lab   Year: 2021-2022

Semester: III   Class: C1 C2 C3

SR.No.	TOPICS
1.	Implement DDA Line drawing Method in C
2.	Implement Bresenham's Line drawing Method in C
3.	Implement Midpoint circle drawing Method in C
4.	Implement Midpoint ellipse drawing Method in C
5.	Implement flood fill and boundary fill to fill a polygon.
6.	Implement 2D Transformations on a polygon – Translation, Rotation, Scaling, Reflection and Shear
7.	Implement Bezier curve
8.	Implement Koch Curve for fractal generation
9.	Implement Liang Barsky Line clipping Method in C
10.	Implement Sutherland Hodgeman polygon clipping Method in C
11.	Mini Project

Subject teachers:-

Prof. Sonal Shroff

Prof. Manisha Dumbre