Lesson Plan

Prachi, Assistant Professor of CSE Computer Science and Engineering 7th (odd) Name of Faculty Discipline

Semester

computer graphics lab 15 weeks (sept-dec 2024) **Subject Lesson Plan Duration:**

Week	T	heory/ Practical (Group-I/ II)	Topic Covered Date and Remarks				
	Practical Day	Topics/ Programs	Date	HOD	Director- Principal		
1 st	1	Write a program to draw a line using DDA algorithm.					
2 nd	2	Write a program to draw a line using Bresenham's algorithm for lines with slopes (a) negative and less than I (b) positive and less than I. (c) positive and greater than I. (d) negative and greater than I.					
3 rd	3	A program to draw a circle using Bresenham's circle Algorithm.					
4 th	4	A program to draw a circle using Midpoint circle Algorithm.					
5 th	5	A program to draw an ellipse using Midpoint Ellipse Algorithm.					
6 th	6	A program to fill different types of geometric shapes using Flood Fill. Algorithm					
7 th		Minor test 1 st					
8 th	7	A program to fill different types of geometric shapes using Boundary fill algo. A program to demonstrate window to view-port mapping.					
9 th	8	A program to clip a line segment using 4-bit code, algorithm.					
10 th	9	A program to draw a C-Curve of nth order A program that shows a scene of flying kite.					
11 th	10	A program to rotate a line about its mid-point.					
12 th	11	A program that shows a scene of eclipse.					
13 th	12	A program that translate and rotate a circle along a horizontal line.					
14 th		Minor test 2 nd					
15 th	13	A program to rotate an ellipse about its major axis and minor axis alternatively.					