

PANIPAT INSTITUTE OF ENGINEERING AND TECHNOLOGY
PANIPAT
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LESSON PLAN

Name: - Shally Nagpal

Branch/Semester: -7th Sem.

Subject Name: Computer Graphics & Animation

Subject Code:-CSE-403N

Sr No.	Lecture No.	Topics To Be Covered	Planned On
1	L 1	Introduction to Computer Graphics and its applications	17-7-19
2	L 2	Types and components of computer graphics	18-7-19
3	L 3	CRT , coloured CRT	19-7-19
4	L 4	Rasterscan, Random Scan	22-7-19
5	L 5	Display DVST, FPD	24-7-19
6	L 6	LED,LCD	25-7-19
7	L 7	Plasma Panel	26-7-19
8	L 8	Pointing and Plotting devices	29-7-19
9	L 9	DDA Line Algorithm and Numerical	31-7-19
10	L 10	Polygon filling algorithms	1-8-19
11	L 11	Bresenhams's Line drawing algorithms	2-8-19
12	L 12	Boundary fill algorithms	5-8-19
13	L 13	Bresenhams's Circle drawing algorithm	7-8-19
14	L 14	Mid point circle drawing algorithm	8-8-19*
15	L 15	Ellipse Generating algorithm	9-8-19

16	L 16	Two Dimensional transformation: translation, scaling	12-8-19
17	L 17	Rotation and Shear	14-8-19
18	L 18	Reflection	16-8-19
19	L 19	Numericals on 2 D Transformatoin	19-8-19
20	L 20	Homogeneous Coordinate system.	21-8-19
21	L 21	3-D transformation: Rotation, Shear, translation	22-8-19
22	L 22	3-D transformation: Reflection, Scaling	23-8-19
23	L 23	Numericals on 3 D Transformation	26-8-19
24	L 24	Window to viewport transformation.	29-8-19
25	L 25	Window to viewport mapping	30-8-19
26	L 26	Introduction to Clipping , Point clipping algorithm	2-9-19
27	L 27	Line clipping algorithm, 4 bit code algorithm	4-9-19
28	L 28	Cohen-Sutherland Line clipping algorithms	6-9-19
29	L 29	Numerical on Cohen-Sutherland Line clipping algorithms	9-9-19
30	L 30	Liang-Barsky line clipping algorithms & Numerical	11-9-19
31	L 31	Polygon clipping: Sutherland-Hodgeman Polygon clipping	12-9-19
32	L 32	Curve clipping	13-9-19
33	L 33	Text clipping	16-9-19
34	L 34	Projection: Parallel Projection	18-9-19
35	L 35	Perspective, Vanishing Points	26-9-19
36	L 36	Revision	27-9-19
37	L 37	Representation of 3-D Curves and Surfaces	3-10-19
38	L 38	interpolation and approximation alpines	4-10-19

39	L 39	Properties of splines	7-10-19
40	L 40	parametric conditions	9-10-19
41	L 41	Geometric continuity conditions	10-10-19
42	L 42	Bezier curves, Properties of beizer curves	11-10-19
43	L 43	Bezier Surfaces	14-10-19
44	L 44	Hidden Surface removal:Hidden surface elimination	16-10-19
45	L 45	depth buffer algorithm	17-10-19
46	L 46	Back face detection and removal	25-10-19
47	L 47	scan line coherence	4-11-19
48	L48	Revison of Unit 1	6-11-19
49	L49	Revison of Unit 2	7-11-19
50	L50	Test of unit 1,2	8-11-19
51	L51	Revison of Unit 3, 4	11-11-19
52	L52	Test of Unit 3, 4	15-11-19