

ST. ANN'S COLLEGE OF ENGINEERING & TECHNOLOGY: CHIRALA
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

LECTURE SCHEDULE

Subject: Computer Graphics

Academic Year: 2018-19

Name : Dr.A.VEERASWAMY

Year & Sem/Section: II-I-SEM 'A'

No. of Lectures per week: 5+1*(Tutorial)

S. NO	DATE	UNITS	TOPICS	
1	11/06/2018	I	2D Primitives :Output primitives	
2	12/06/2018		Line drawing algorithms	
3	13/06/2018		Circle drawing algorithm	
4	14/06/2018		Ellipse drawing algorithm	
5	18/06/2018		Attributes of output primitives	
6	19/06/2018		Two dimensional Geometric transformations	
7	20/06/2018		Two dimensional Geometric transformations	
8	21/06/2018		Two dimensional viewing	
9	22/06/2018		Line clipping algorithm	
10	22/06/2018		TUTORIAL	
11	25/06/2018		Polygon clipping algorithm	
12	26/06/2018		Curve clipping algorithm	
13	27/06/2018		Text clipping algorithm	
14	28/06/2018		REVISION USING NPTEL/PPT	
15	29/06/2018		TUTORIAL	
16	29/06/2018		SLIP TEST-1	
17	02/07/2018	II	3D Concepts Parallel and Perspective projections	
18	03/07/2018		Three dimensional object representation	
19	04/07/2018		Polygons, Curved lines	
20	05/07/2018		Splines, Quadric Surfaces	
21	06/07/2018		Visualization of data sets	
22	06/07/2018		TUTORIAL	
23	09/07/2018		3D transformations-viewing	
24	10/07/2018		Visible surface identification	
25	11/07/2018		REVISION USING NPTEL/PPT	
26	12/07/2018		SLIP TEST-2	
27	13/07/2018		III	Graphics Programming Color Models
28	13/07/2018			TUTORIAL
29	16/07/2018	RGB		
30	17/07/2018	YIQ		
31	18/07/2018	CMY		
32	19/07/2018	HSV		
33	20/07/2018	Animations		
34	20/07/2018	TUTORIAL		
35	23/07/2018	General Computer Animation		
36	24/07/2018	Raster Animation		
37	25/07/2018	Key frame Animation		
38	26/07/2018	Graphics programming using OPENGL		
39	27/07/2018	Basic graphics primitives		

40	27/07/2018		TUTORIAL	
41	30/07/2018		Drawing three dimensional objects	
42	31/07/2018		Drawing three dimensional scenes	
43	01/08/2018		REVISION OF OPENGL TOOL	
44	02/08/2018		REVISION	
45	03/08/2018		REVISION	
46	03/08/2018		TUTORIAL	
47	06/08/2018	MID-1	REVISION	
48	07/08/2018		REVISION	
49	08/08/2018		REVISION	
50	09/08/2018		REVISION	
51	10/08/2018		REVISION	
52	10/08/2018		REVISION	
53	13/08/2018	IV	Rendering Introduction to Shading models	
54	14/08/2018		Flat and Smooth shading	
55	16/08/2018		Adding texture to faces	
56	17/08/2018		Adding shadows of objects	
57	17/08/2018		TUTORIAL	
58	20/08/2018		Building a camera in a program	
59	21/08/2018		Creating shaded objects	
60	23/08/2018		Rendering texture	
61	24/08/2018		Drawing Shadows	
62	24/08/2018		TUTORIAL	
63	27/08/2018		REVISION USING NPTEL/PPT	
64	28/08/2018		SLIP TEST-3	
65	29/08/2018		V	Fractals :Fractals and Self similarity
66	30/08/2018			Peano curves
67	31/08/2018	Creating image by iterated functions		
68	31/08/2018	TUTORIAL		
69	04/09/2018	Mandelbrot sets		
70	05/09/2018	Mandelbrot sets		
71	06/09/2018	Julia Sets		
72	07/09/2018	Julia Sets		
73	07/09/2018	TUTORIAL		
74	10/09/2018	Random Fractals		
75	11/09/2018	Random Fractals		
76	12/09/2018	REVISION USING NPTEL/PPT		
77	17/09/2018	SLIP TEST-4		
78	18/09/2018	VI		Overview of Ray Tracing
79	19/09/2018		Intersecting rays with other primitives	
80	20/09/2018		Intersecting rays with other primitives	
81	24/09/2018		Adding Surface texture	
82	25/09/2018		Adding Surface texture	
83	26/09/2018		Reflections and Transparency	
84	27/09/2018		Reflections and Transparency	
85	28/09/2018		Boolean operations on Objects.	
86	28/09/2018		TUTORIAL	
87	01/10/2018		Boolean operations on Objects.	

88	03/10/2018		REVISION
89	04/10/2018		REVISION
90	05/10/2018		REVISION
91	05/10/2018		REVISION
92	08/10/2018	MID-2	REVISION
93	09/10/2018		REVISION
94	10/10/2018		REVISION
95	11/10/2018		REVISION
96	12/10/2018		REVISION
97	12/10/2018		REVISION

TEXT BOOKS:

1. Donald Hearn, Pauline Baker, Computer Graphics – C Version, second edition Pearson Education, 2004.

2. F.S. Hill, Computer Graphics using OPENGL, Second edition, Pearson Education, 2003.

REFERENCE BOOKS:

1. James D. Foley, Andries Van Dam, Steven K. Feiner, John F. Hughes, Computer Graphics- Principles and practice, Second Edition in C, Pearson Education, 2007.

FACULTY MEMBER

HEAD OF THE DEPARTMENT