KSIT Bangalore

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
ASSIGNMENT QUESTIONS

Academic Year	2020-21		
Batch	2018-2022		
Year/Semester/secti	3rd / 6th /B		
Subject Code-Title	(18CS62) Computer Graphics and Visualization		
Name of the Instructor	Mrs. Sougandhika Narayan	Dept	CSE

Assignment No: 1   **Total marks:10**

Date of Issue: 15.05.2021   **Date of Submission:21.05.2021**

Sl. No	Assignment Questions	K Level	CO	Marks
1.	**Identify** the applications of Computer Graphics and Compare Raster scan, Random scan displays.	Apply	CO1	1
2.	**Develop** the working principle of Bresenham's line drawing algorithm for different slopes of a line.	Apply	CO1	1
3.	**Construct** any 10 OpenGL output primitive functions	Apply	CO1	1
4.	**Build** the working of a CRT and Electron gun.	Apply	CO1	1
5.	**Interview** the following terms with respect to Computer Graphics: a. Bitmap b. Aspect ratio c. Frame buffer d. Attribute	Apply	CO1	1
6.	**Design** the **diagram** with different cartesian reference frames used in the process of constructing and displaying a scene.	Apply	CO1	1
7.	**Develop** an **OpenGL** program to create a house like structure using suitable OpenGL functions.	Apply	CO2	1
8.	**Apply** the illustrations of the basic 2-d geometric transformations used in computer graphics.	Apply	CO2	1
9.	**Construct** with example any 2 algorithms used to identify the interior area of a polygon.	Apply	CO2	1
10.	**Design** OpenGL Polygon fill area functions	Apply	CO2	1

Course In charge   **Module Coordinator**   **HOD/CSE**