

G H Patel College of Engineering and Technology

Department Of Computer Engineering



A.Y. 2017-18(EVEN), SEMESTER 6

SUBJECT CODE: 2160703

SUBJECT NAME: COMPUTER GRAPHICS (CG)

INDEX

NAME: _____

ENROLMENT NO: _____ BRANCH: _____

Sr. No	Name of the Experiment	Page No.	Date	Marks	Signature
1	Write a Program to study different graphics functions. Initgraph(), closegraph(), getpixel(), putpixel(), arc(), bar(), cleardevice(), getmaxx(), getmaxy(), getx(), gety(), getcolor(), getbkcolor(), setcolor(), rectangle(), outtext(), line(), textheight(), textweight(), putpixel().				
2	Write a Program to draw line using Digital Differential Analyzer Algorithm				
3	Write a Program to draw line using Bresenham's Algorithm				
4	Write a Program to draw a Circle using Midpoint Circle Algorithm				
5	Write a Program to draw an Ellipse using Midpoint Ellipse Algorithm				
6	Write a Program to fill polygon using Flood Fill & Boundary Fill Algorithm.				
7	Write a Program to perform 2D translation transformation.				
8	Write a Program to perform 2D rotation with reference point.				
9	Write a Program to perform 2D fixed point scaling.				
10	Write a Program to perform 2D reflection and shearing operation.				

11	Write a Program to clip line using Cohen Sutherland line clipping Algorithm.				
12	Write a Program to clip line using Liang Barskey line clipping Algorithm.				
13	Perform the following tasks using MATLAB commands. - Read the greyscale and colour image. - Display images on the computer monitor - Write images in your destination folder.				



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5	OPEN ENDED PROJECT				