

Computer Graphics Experiments

Deepraj Bhosale – 181105016 – Batch A

| Sr. No. | Name | Page Number |
|---------|--|-------------|
| 1 | Running CG Programs on Ubuntu platform | 2 |
| 2 | Draw your name in Devanagari and English | 4 |
| 3 | To create a simple animation using functions defined in the libgraph library | 7 |
| 4 | Using DDA algorithm draw a house | 10 |
| 5 | Using Bresenham's Line Drawing algorithm, draw a cupboard | 15 |
| 6 | Using Mid-Point Circle algorithm, draw any 5 animated facial emoji | 20 |
| 7 | Using Mid-point Ellipse algorithm, draw an animated solar system | 24 |
| 8 | To draw and colour animated boat using Boundaryfill and Floodfill Algorithm | 28 |
| 9 | To implement Cohen-Sutherland Line Clipping Algorithm | 31 |
| 10 | To draw a polygon and clip it using Sutherland Hodgeman Polygon Clipping Algorithm | 36 |
| 11 | To implement the 2D transformation on a polygon | 41 |