Esta Paga

Assignment Nu. 2

Title - DDA & Bresenham's circle drawing algorithm

Problem Statement: Write a ctt program to draw inscribed and circumscribed circle in triangle as shown in an example for outer circle of Brescham's algorithm & DDA algorithm For inner circle & any algorithm for an triangle



outcome:

· Ability to understand different circle drawing algorithm.

. Able to understand different equation of line &

cirde.

objective :

To draw the above figure using DDA circle & Bresenham's circle drawing agarithm.

software & hlw = Fedora os QT creator.

```
Draw()
      SetPixel (xc+x , yc+ 4, color);
      SETPIXE (XC+X / YC-4, color);
      Stipixel (xc-x, 4c-4, color)
      Setpixel (xc-x 1 4c-4, color);
      setpixel (xc+y1, 4c+x1 color);
      Setpixel (xc-y1/ yc+x1 (olov)!
      set pixel (xc+4,1 4c-41, (olor);
      setpixel (xc-y1/ 4c-x1, color);
 Advantage >
      i) entire algorithm is based on aquation of circle
            ... easy to implement
Disadvantage -
      i) Accurancy of the generating is issue.
ii) It suffers when which to generate complex & high
           graphical images.
```



