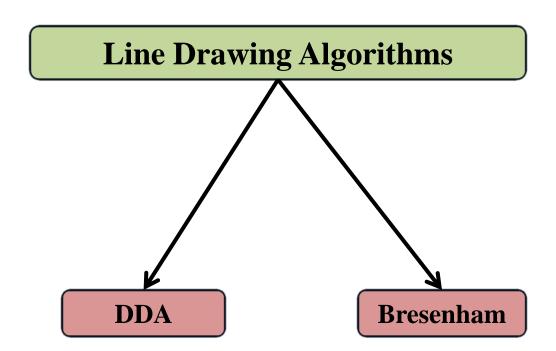
COMPUTER GRAPHICS (E2UC402B)

Prof. (Dr) Sanjeev Punia



(Digital Differential Analyzer)

Step 1: Enter the value of starting point (X1,Y1) and end point (X2,Y2)

Step 2: Xk=X1 and Yk=Y1

Step 3: Calculate the slope of line i.e. m

$$m = (Y2-Y1) / (X2-X1)$$

Step 4: Check value of m

```
Step 9: If m > 1
                        CASE III
Step 10:for (Yk=Y1; Yk<=Y2; Yk++)
             Plot the point (abs) Xk and Yk
             Xk = Xk + 1/m
Step 11: Exit
```

Advantage & Disadvantage

Advantage

- 1. Not Require advance skill
- 2. Fast method for line generation

Disadvantage

More computation is required in case of floating point arithmatic operation

Any QUESTION OR DOUBT

