St. Thomas’ College of Engineering & Technology

B.Tech. 6th Semester, 1stAssignment, 2018

**Computer Graphics[CS-604B]**

1.      Extend Bresenham’s Line drawing algorithm to generate lines with any slope, taking symmetry between quadrants into account. Implement a function polyline as a routine that displays the set of straight lines connecting n points. For n=1, the routine displays a single point. (Write pseudo-codes)

2.      Differentiate DDA and Bresenham’s line drawing algorithms w.r.t. the following parameters:

Arithmetic, Operation, Speed, Accuracy and Efficiency, Round-Off, etc.