Kathmandu University

Department of Computer Science and Engineering

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Computer Graphics (COMP 342)

Lab 3 Report

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Write a Program to implement mid- point Circle Drawing Algorithm.

Algorithm:

Input: Center and Radius of the circle

Output: A circle with given center and radius

1. X = 0 , Y = radius
2. While X <= Y
   1. PLOT(X<Y) - use eight-point symmetry
   2. X = X + 1
   3. d\_parameter = x2 + y2 – radius2
   4. if (d\_parameter > 0)
      1. y = y – 1

END IF

END WHILE