CS-664 – Computer Vision

Assignment #7

Due Date: Tuesday 3/8/1442H – c/t: 16/3/2021G

1. For image1 use Sobel operators to find the horizontal and vertical edges in the image. Repeat the steps, but with the original image smoothed using a 5 × 5 averaging kernel prior to edge detection. Show the results and write your observations.

2. Use Canny edge detector on image1. Use different thresholds and analyze your results.