

Assignment 02 – Due at noon Jan. 29th

1. Implement local thresholding methods (3 pts)
 - Otsu's method (regional)
 - Mean – C
 - Median – C
2. Compare the performance of the above algorithms using the provided image (2 pts)
 - Segmentation quality
 - Speed of the algorithm
3. Perform edge detection on the provided image (5 pts)
 - Implement Sobel edge detection and apply it
 - *Include source code for this part in your report*
 - Perform Canny edge detection with an image processing library and discuss the effects of the parameters

Submit a single PDF file to LMS. Please also check the grading rubrics available in LMS.