Assignment 2

1. All codes must be done using Python.

2. Numpy is allowed. Additional Packages are to be used only where it is mentioned.

3. Submit your codes and the generated output images in a zipped folder.

Part 1: Thinning [5+20+20+5]

1. Read image thin.jpg in gray scale. (use package)
2. Binarize the image using otsu thresholding.
3. Apply the thinning algorithm.
4. Save the modified image. (use package)

Part 2: Minimum Perimeter Polygon [5+10+30+5]

1. Read image poly.jpg in gray scale. (use package)
2. Binarize the image using adaptive thresholding.
3. Apply the Minimum Perimeter Polygon (MPP) algorithm.
4. Save the modified image. (use package)