## Assignment #3

## Computer Vision 2021

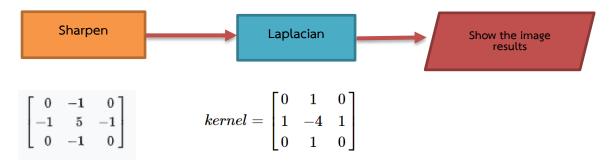
1. Apply Blur filter with "flower.jpg" and show the image results. (code blur.py)

No.	Kernel size
1.	5x5
2.	9x9
3.	15×15
4.	25×25

2. Apply Gaussian filter with "flower.jpg" and show the image results.

No.	Kernel size	Sigma
1.	5x5	1.4
2.	5x5	3.2
3.	7x7	1.4
4.	7×7	3.2

3. Apply Sharpen and Laplacian to convolution with "butterfly.jpg"



4. Show the comparison results of 3 edge detection (Prewitt, Sobel, and Canny) with "bikesgray.jpg"

5. Show the result of all techniques with "flower.jpg"



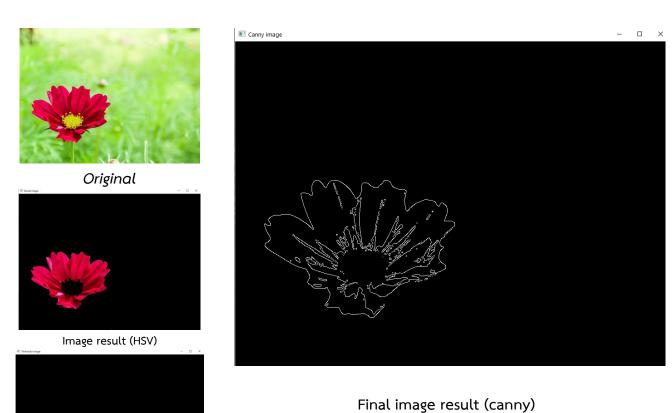


Image result (Threshold = 50)

\*\*\* Show the parameter of Threshold1, Threshold2

6. Show the result of all techniques with "graylevel.jpg"



Name parameter	value
ddepth	cv2.CV_64F
Gx	dx =1, dy=0
Gy	dx =0, dy=1

resX = cv2.Sobel(img,cv2.CV\_64F,1,0)
resY = cv2.Sobel(img,cv2.CV\_64F,0,1)



 ${\sf THRESH\_BINARY}$