

Assignment_04

Uploaded on 23th January 2025

Submission: Before 3rd February 2025

1. On the following image, apply a) Robert, b) Prewitt, c) Sobel d) Laplacian e) Laplacian with Gaussian (5x5, sigma=2) and f) Canny edge detector

Save the image with edges after each type of edge detection technique along with original image (All 7 images on the two page) in a **pdf** file. Also provide your own assessment of each of the filter details that you used in your solution.

Note:

1. You should write a program in modular form by writing your own functions for various tasks
2. As far as possible, the program should **NOT** make any functional calls from OpenCV OR any other libraries.

