# **Edge Detection**

You have already been shown how to implement the Sobel and Laplacian edge detection algorithms using OpenCV.

In this worksheet you are expected to implement the **Sobel** and **Laplacian** edge detection algorithm **without** using the ready built-in functions provided by OpenCV (cv2.Sobel and cv2.Laplacian).

You can do this by using:

* Numpy arrays for the kernels
* OpenCV (to load images, convert to grayscale, and apply the filter/mask)