RO-1.0X

Assignment 9
Edge Detection

Problem Statement:

- **Given file is**
  - **"assignment_9.jpg",**

- **Tasks**

  - Implement <u>Laplacian of Gaussian (LoG) Edge Detection</u> from scratch

    Note: For Smoothing you can use OpenCV function, but for other steps use your own function

- **To Submit**

  - **A Sequence of "outputs.jpg" after each step from the Algorithm**

    - *for eg: "output_before_zero_crossing.jpg", "output_after_zero_crossing.jpg" etc...*

  - **"LoG.py", "main.py"**

    - *Create a class based implementation in* ***"edge_detection.py"*** *and call each operation in* ***"main.py"***

    - To submit the assignment put both the files in a folder named **username**, where **username** is your user name with which you signed up at DeepEigen.

      - Submit **username.zip** file