An-Najah National University
Department of Computer Engineering
Digital Image Processing - 10636318
First Semester 2023/2024
OpenCV Project – Part 2

Write a program with Graphical User Interface (GUI) to implement all segmentation techniques studied in the literature (as described in the slides). Your program should provide the following functionalities:

- Open an image
- Convert the image to gray-scale
- Apply all segmentation filters and techniques
- Implement a user-defined filter, allowing the user to design his own filter by specifying the size and coefficients. Then, apply it on the input image.
- Export the enhanced image and save it.

Please adhere to the following regulations:

- Each student must complete the assignment individually.
- Only C, C++, or Python programming languages can be used, in conjunction with OpenCV.
- <u>Deadline</u>: 28.12.2023