

An-Najah National University
Department of Computer Engineering
Digital Image Processing - 10636318
Second Semester 2022/2023
OpenCV Project – Part 2

In this project, you will write a an OpenCV program to read a video stream from your laptop camera and analyze some patterns of your hand gesture. To simplify it, you can put tapes with different colors on top of your fingers to perform the following on the video stream and show it in real-time:

- Red tape on top of one finger: draw a red line on the video.
- Green tape on top of two fingers: zoom in and zoom out the video according to the distance between the two fingers.
- Blue tape on top of two fingers: capture the current video and store the image once you combine the two fingers.

Please consider the following regulations:

- Teamwork. Please perform a group of two students from the same course section.
- You can use only C, C++ or Python with OpenCV to implement the assignment.
- Deadline: 16.05.2023