**Quiz 2**

**Digital image processing Lab**

**CEL 444**

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**Instructions:**

* You have **30 minutes** to complete and submit this quiz. Ensure you submit your work on the **LMS (Learning Management System)** before the deadline, as late submissions will not be accepted.
* Your submission must include your code and screenshots.
* The use of **AI tools or automated coding** is **strictly prohibited**. Any detection of AI-generated content will­­­ result in an **"F" grade for the entire course**.
* Ensure your code is properly commented and reflects your understanding of the concepts.

**Question:**

Write a Python script that applies a green screen effect to an image. Using OpenCV, the script should read two images: one with a green background (foreground image) and another to use as the new background. The task is to replace the green pixels in the foreground image with the corresponding pixels from the background image and display the final result using OpenCV. You can achieve this by using color thresholding to identify and mask the green pixels in the foreground image.



