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Computer vision Assignment 1 - Reg

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Mon, Aug 16, 2021 at 9:49 AM

Dear students

The Computer vision assignment 1 questions are listed below

Objective: To understand color, gray scale and binary image in terms of matrices

Q1: Take your face image using cell phone camera or web camera.

- a. Convert that into gray scale and that gray scale into binary using builtin functions and display all three in single window.
- b. Find the minimum and maximum
 - i. in the color image (for green, red and blue channel)
 - ii. in the gray scale image
 - iii. in the binary image

Objective: Application of convolution

Q2: Write the python program which takes two polynomial as input and output the product of those two polynomials using convolution in spatial domain
(in $O(n^2)$)

Deadline for Demonstration: Friday (20/08/2021)

Note:

1. Kindly fill your team details in the GSheet shared to you (You can use attendance sheet to know your classmates)
2. TA allocation will be done once the team allocation is done by all the students

Thank you
Kiruthika

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