Lab 3

Basic Image Processing

**Task #1: Image Binarization using a predefined global threshold.**

Take an RGB image (preferably from the provided ones) and convert it to binarized form (in 0/1 form) by defining a single global threshold. Repeat the experiment with the three provided images and identify why a single global binarization threshold may not be applicable in a wide variety of application scenarios.

Note :\_ you have to perform task 1 on following umages B1,B2,B3

**Task #2: Create Intensity Histogram from a Greyscale image**

Hint: As discussed during the lab demo.

**Task #3: Recursive XY-cut algorithm**

Hint: As discussed in the demo.

Apply it on the following image :- xycuts

Hand in

Submit a lab report containing both the code and screenshots of output.

To Receive Credit

1. By showing up on time for lab, working on the lab solution, and staying to the end of the class period, only then you can receive full credit for the lab assignment.
2. Comment your program heavily. Intelligent comments and a clean, readable formatting of your code account for 20% of your grade.

**Due date:**

**Check on lms**