

## CSE468: Assignment 2

You are asked “Individually” to bring a color photo related to your graduation project (from the internet, using your mobile photo,...etc), you are then required to do the following:

1. Convert your color image to a grayscale image and save it under the name “grayscale.jpg”.
2. Resize the grayscale image so that its width is 256 pixel, keeping its aspect ratio and save it under the name “resized.jpg”.
3. Convert the resized image into 8 binary images by decomposing intensities into 8 binary values. (You may refer to Q8 in Sheet2 and to the lecture slides for the details of how to do this). The result binary images should be saved under the names “binary0.jpg, binary1.jpg .... binary7.jpg”

You are required to deliver a compressed file named "YOUR\_NAME.zip" which contains:

1. The script you wrote in a file named "assignment2.m".
2. The original image that you chose.
3. The unresized grayscale image “grayscale.jpg”.
4. The resized image “resized.jpg”.
5. The binary images “binary0.jpg, binary1.jpg, .... etc”

The compressed file should be delivered using the indicated form in the course web page or using the following link:

<http://mct.asu.edu.eg/cse-468-submit.html>

Please note that bonus marks will be given to:

1. The 1<sup>st</sup> three students to deliver the full assignment.
2. The code with the fastest execution time.
3. Assignments with novel, creative solutions.

The deadline for receiving the assignment is Thursday 12/03/2015 @11:59pm.