Submission date: 09/10/2020 by email as 'pdf' file. (with code and original image & compressed image)

Assignment #3

- Get a picture of *yourself taken by mobile camera. (the background should be uniform)*

- *R*ead your picture into Matlab as a matrix and convert it in gray level image.

- Find the entropy of the image.

- Apply Improved Gray Scale Quantization algorithm and save the image in JPEG format.

Submission date: 09/10/2020 by email as 'pdf' file. (with code and original image)

Assignment #4

- Get a picture of *yourself taken by mobile camera. (the background should be uniform)*

- *R*ead your picture into Matlab as a matrix and convert it in gray level image.

- Find the entropy of the image.

- Apply the Huffman algorithm and get the binary code word of each intensity level.

- Calculate the compression efficiency of coding.