**EVALUATION LAB 2**

1. Write a matlab code that accepts an input image(of your choice) and returns an enhancement image using

i. The following linear level adjustment formula:

**Padjus(m,n)= Bottom + (P(m,n)-L)/(H-L)\*(Top-Bottom)**

Where **P(m,n)** original image pixel

**Padjus(m,n)** desired image pixel

**H** maximum pixel level in the original image

**L** minimum pixel level in the original image

**Top** maximum pixel level in the image desired

**Bottom** minimum pixel level in the desired image

ii. Log, Gamma and Image negative transformations

iii. Histogram equalization.

iv. Compare the histograms of the results from i to iii. Record your observations on how the intensity transformations are happening.

v. Apply Bit plane slicing and reconstruct the image using

a. only 7 and 8th bit plane slice

b. 6,7 and 8th bit plane slices

Compare the histogram of v.a. and v.b. with the histogram of the original image and record your observations.