ASSIGNMENT OF LAB 2

LAB 2 (IMAGE PROCESSING USING MATLAB)

1) Write a program to find mean, standard deviation, variance.

➢ Mean

standard deviation

$$\bar{x} = \frac{\sum x_i}{n}$$

$$\sigma = \sqrt{\frac{\sum_i (x_i - \mu)^2}{N}}$$

➢ Variance

$$\sigma^2 = \frac{\sum (x - \mu)^2}{N}$$

LAB 2 (IMAGE PROCESSING USING MATLAB)

Write a program which contains following functionalities.

1) Read Logical, Gray scale and Color image by selecting options 1,2 and 3.

2) Convert image into binary, grayscale image (if possible)

3) Separate r, g, b plane from color image and display it (if possible)