

Exp-3: Spatial domain filtering of image.

- a. Contrast stretching for image enhancement.
- b. Histogram equalization for image enhancement.

% Sample Code using inbuilt MATLAB functions only.

% You need to implement with your own code also.

% Read the other material for explanation of Histogram Equalization

% Image adjustment and Histogram Equalization using inbuilt MATLAB functions

clear

close all

clc

I=imread('cameraman.tif');

imshow(I);

title('Original Image');

% Histogram Equalization using "histeq" function

J=histeq(I);

figure

imshow(J);

title('Histogram Equalized Image');

% Image contrast stretching using "imadjust" function

K=imadjust(I);

figure

imshow(K)

title('Enhanced Image using "imadjust" function');