

Image and Video processing (IIVP)
Lab Assignment-7
Octave/MATLAB

%PROBLEM%

Time:1.5 Hrs.

1. Read the image "[face image.jpg](#)". Convert it into gray scale. Write a program to slice the image named into 8 bit planes and show all bit planes along with the original image. Implement dilation and erosion (**without using any inbuilt function**) for the image generated in 1st, 3rd and 7th bit plane. Assume the following matrix to be structuring element.

1	1	1
1	1	1
1	1	1