

Digital Image Processing Lab

Department of Printing Engineering

Final Year Second Semester

Lab 7:

Image filtering in frequency domain

(Assessed number of days – 02)

Objectives

Understanding the basic of image filtering in frequency domain and applying filters to the images.

Topics under this lab

- Filter generation using FFT
- Filtering using lowpass, highpass and bandpass concepts
- Applying filter to image and analyzing the results

Assignments

Report - Submit a report on the overview described in the lab.

Perform the following programs

A15. Write a function that will apply low, high and bandpass filters in frequency domain to the images and show the results. The radius of the filter will be defined by the user.

