Digital Image Processing Lab

Department of Printing Engineering

Final Year Second Semester
Lab 5:
Edge detection and image morphology
 (Assessed number of days – 01)

Objectives

Understanding the basic of edge detection algorithm and morphological operations.

Topics under this lab

- Edge detection algorithms
- Morphological operations

Assignments

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

Perform the following programs

A11. Write a function/code that will detect edge using sharpening filter kernel, Sobel and Prewitt operator.

A12. Write a function/code that will perform dilation, erosion, opening, closing, top hat and bottom hat morphological operation on the image using user specified structuring element.