

Digital Image Processing Lab

Department of Printing Engineering

Final Year Second Semester

Lab 2:

Basic neighborhood, adjacency and path operations

(Assessed number of days – 02)

Objectives

Understanding the basic neighborhood, adjacency and path operations in image.

Topics under this lab

- Fundamentals of pixel relationships
- Finding neighbors
- Finding adjacent pixels
- Finding possible path

Assignments

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

Perform the following programs

A4. Write a function that will load an image and take user input for pixel. The output will be the different neighborhood of the user input pixel.

A5. Write a function that will load an image and take user input for two pixels p and q . The output will be the different adjacencies between p and q of the user input pixel.

A6. Write a function that will load an image and take user input for two pixels p and q . The output will be the different paths between p and q of the user input pixel.

