Name: _____   Date: _____   Team: _____

Lab Experiment # 13

PACS

Purpose

This experiment is designed to familiarize students with the PACS system, its topology, functions, image retrieval procedures, image enhancement and manipulation functions, and peripheral devices.

Learning Objectives

After completing this lab, you should be able to:

1. Use the laboratory equipment properly.
2. Function effectively in group work.
3. Perform the experiment independently.
4. Identify topology of the PACS system in the Hostos lab.
5. Retrieve images using various data points.
6. List image manipulation techniques in the PACS system.
7. Identify PACS peripheral devices and describe their functions.

Materials Needed

➢ Hostos PACS system

Experimental Procedure

1. Log onto the PACS system.
2. Retrieve an image using various data points.
3. Answer the following questions:

What is the PACS system architecture (system) in HOSTOS?

How many servers are there?

Is the network wired or wireless?

What are the communication media (cables)?

What data point can you use to retrieve an image?

What image enhancement and manipulation functions are on the PACS workstation?

Are there any advanced image manipulation/post-processing functions on the PACS workstation?

Are there any peripheral devices there?