

EE-608:DIGITAL IMAGE PROCESSING

Lab Assignment 5

(Warning : Don't use chatgpt)

AIM:

- 1) Write a function to apply geometric transformations on given image i.e., scaling, rotation, shearing and translation.

Doubts: You can approach us. Use leena image or any other image of (512,512).

Libraries: Opencv to read or write image

Matplotlib to display image

Numpy wherever necessary

Basic python functions

Deliverables:

Just give a concise report of what you understand in your own words, not too heavy theory taken from the web.

- 1) Write a python or matlab code to implement above given tasks.
- 2) Analyze the tasks clearly and the mathematics behind the task.
- 3) Plot the results and make a report of results and observations.