Deep Paresh Patel <deep@iiitdm.ac.in>

CS5102 DIP Assignment 3

1 message

Kiruthika S <coe18d003@iiitdm.ac.in> Fri, Jan 21, 2022 at 6:52 PM
To: dip2022@iiitdm.ac.in

Dear students

Problem statement for DIP assignment 3 is as follows:

1. Take a Lena image and convert it into grayscale. Create 10 noisy versions of the Lena image by adding additive Gaussian noise with the original image. Take the average of noisy images and display the same. Report the observation made.

2. Take a Lena image and scale it by factors of 1,2,0.5 using bilinear and nearest neighbor interpolation methods. Display the scaled images. Also, display the output of built-in functions for doing scaling by factors of 0.5,1 and 2. Compare the results.

Note:
1. Write the user defined function for image averaging (problem 1)
2. Implement bilinear and nearest neighbor interpolation methods using user defined functions as well as built-in functions (problem 2)

Thank you
Kiruthika

--