

### **DIP Lab Assignment 3**

Deadline: 8/3/24

Write a program (do not use built in functions) to perform image smoothing using different linear and non-linear methods on the images given in the folder Assignment 3'.

Additionally, compute and demonstrate the pixel distribution histogram of both the input and output images.

Additionally, computes the correlation between the two obtained histograms and compute Bhattacharyya distance between them.