

Programming Assignment-2

Instructor: Dr. Anil K. Sao

- 1) Use PCA (KL Transform) to obtain the reduce dimensionality representation of face image. Illustrate the reconstruction of images using different number of PCs. Face image databased can be downloaded from <http://cmp.felk.cvut.cz/~spacelib/faces/faces94.zip>
- 2) Show the filtering of images using ideal low-pass and high-pass filter, Gaussian low-pass and high-pass filters. Show the results using different cut-off frequency.
- 3) Use Hough transform to obtain circles for a given radius in given image

Date of evaluation 08/11/2019