

LIST OF PROGRAMS FOR DIGITAL IMAGE PROCESSING

1. Write a program simulation and display of an image, negative of an image(Binary & Gray Scale)
2. Write a program to implementation of transformations of an image
3. Write a program to contrast stretching of a low contrast image, Histogram, and Histogram Equalization
4. Write a program to implement python-based image processing library (SciPy, Pillow/PIL, NumPy)
5. Write a program to implement active contour in an image
6. Write a program to implement python-based image processing library (Mahotas, SimpleITK, Pgmagick)
7. Write a program to display of FFT(1-D & 2-D) of an image
8. Write a program to computation of mean, standard deviation, correlation coefficient of the given image
9. Write a program to implementation of image smoothening filters(mean and median filtering of an image)
10. Write a program to Implementation of line detection using houghline method
11. Write a program to Implementation of corner detection using harries algorithm
12. Write a program to Implementation of edge detection given image
13. write a program to implementation of segmentation of given image
14. write a program to implementation of morphological operation- dilation, erosion
15. Write a program to implementation of image sharpening filters and edge detection using gradient Filters
16. Write a program image compression by DCT,DPCM, HUFFMAN coding
17. Write a program to implementation of image restoring techniques
18. Write a program to canny edge detection Algorithm