# .m files are programs

matlab

1. Choose two grayscale images or RGB images that you will first have to grayscale (with rgb2gray() function) . Display original images and the same images after their **QUANTIZATION** with different number of bits (1 to 8) using MATLAB. pro1.m

2. Perform Histogram Equalization on a Color image using MATLAB.histttttttt.m

3. Using Spatial Domain technique, write a program in MATLAB to perform Smoothening operation in an image. pro3.m

4. Write a MATLAB code to transform 1-D FIR Filter to 2-D FIR Filter using Frequency Transformation Method. **(FIR-Finite Impulse Response).** fitttttttt.m

5. Find the Boundaries of Objects within an image by Sobel operator method in MATLAB. sobel_op.m

6. Write a MATLAB program to detect the edges within the image and compare the results of both Canny and Prewitt Methods. cannnyyyyyy.m

7. Write a program to Compress an image using Huffman coding method in MATLAB. pro7.m

8. Implement Discrete Cosine Transformation method to compress an image using MATLAB. pro8.m

9. Write a MATLAB code for Image Segmentation to convert to a binary image to improve the legibility of text Using thresholding technique. thresh_9.m

10. Compute the Watershed Transform of the Segmentation function in an image at foreground and background marker pixels using Marker-Controlled Watershed Segmentation in MATLAB. pro10.m