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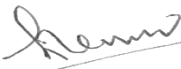
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DEPARTMENT OF ELECTRONICS AND COMMUNICATION ENGINEERING

PROG, BRANCH,	B. E., E. C. E
YEAR/ SEMESTER, SECTION	III / V, -
SUBJECT	17ECCC87_DIGITAL IMAGE PROCESSING LAB
ACADEMIC YEAR	2021-2022 (ODD SEMESTER)

LIST OF EXPERIMENTS

1. To acquire an image, store in different formats and display the properties of the images.
2. To find the discrete Fourier transform of a gray scale image and perform inverse transform to get back the image
3. Analyze the rotation and convolution properties of the Fourier transform using any gray scale image
4. Find the discrete cosine transform of a given image. Compare discrete Fourier transform and discrete cosine transforms
5. Apply histogram equalization for enhancing the given images
6. Perform image enhancement, smoothing and sharpening, in spatial domain using different spatial filters and compare the performances
7. Perform image enhancement, smoothing and sharpening, in frequency domain using different filters and compare the performances
8. Perform noise removal using different spatial filters and compare their performances
9. For the given image perform edge detection using different operators and compare the results
10. For a given image, compress and decompress using wavelets. Study and compare the efficiency of the scheme with any two schemes


HOD/ ECE