**Image Enhancement, Fourier Transform and Image Restoration**

**Experiment-1**

Use image (‘eight.jpg’)

-Apply Gassian noise on the given image

-Apply different smoothing filters with different window size (Average and median filter)

**Experiment-2**

Use image (‘circuit.jpg’)

-Apply different sharpening filters. (Sobel and Laplacian Filters)

**Experiment-3:**

Apply to image "cameraman"

- Create low pass filter and apply it to the image.

- Create high pass filter and apply it to the image.

**Experiment-4:**

Use image (‘eight’)

- Apply gaussian noise on the given image

- Apply adaptive wiener filter

- Show the noisy image before and after applying the filter

**Experiment-5:**

Use image (‘cameraman’)

- Apply salt and pepper noise

- Apply arithmetic mean filter

- Apply median filter

- Apply max filter

- Apply min filter