

# **Digital Image Processing**

## **Lab Assignment – 1**

- 1) Basics of image processing in python. Libraries used in image processing like: Numpy, Opencv, Matplotlib, Scikit-learn, Scipy, Pil and pillow.
- 2) Perform the following tasks:
  - (i) Read an image
  - (ii) Display an image
  - (iii) Write an image
- 3) Convert RGB image to gray scale
- 4) Perform the following tasks:
  - (i) Read a video and convert to frames.
  - (ii) Convert frames to video.
  - (iii) Change the frame rate of a video and write that file.