

### IVP Lab Assignment 3

**Instructions:**

**All the students have to solve these problems without using predefined functions in the lab only till 7 PM. After deadline no submission will be accepted  
students have to submit their solved rollno.m file.**

1. Capture your picture and perform following operation one by one
  - a. Crop a portion of your image that mostly shows your head. Print the result and parameters used.
  - b. Crop a portion of your image that mostly shows your eyes. Print the result and parameters used.
  - c. Compute the square-root and negative of your image.
  - d. Calculate the mean, variance and histogram of your image. Show the histogram as a bar plot next to your image (use the subplot command). Indicate the size of your image.
  - e. Convert the image into grayscale and then calculate the mean, variance and histogram of your image. Show the histogram as a bar plot next to your image (use the subplot command). Indicate the size of your image.