

**IIVP632/IIVP240**  
**Lab Assignment-3-P**  
**Octave/MATLAB**

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%PROBLEM%

**Can use inbuilt functions**

Time:1Hr

1. Perform the following operations on a given image
  - a. Blur the original image.
  - b. Subtract the original image from blurred image. The resulting difference is called the mask.
  - c. Add the mask to the original image.

Show all three images using subplot.( Original Image is available with the name Earth in the webpage)

2. Perform the following operations on a given image.
  - a. Use Laplacian with scaling on the Earth image.
  - b. Use Laplacian without scaling on the Earth image.
  - c. Generate a new image using the image generated in 2(a) as mask on the original Earth image.
  - d. Generate a new image using the image generated in 2(b) as mask on the original Earth image.

Show all five images including original image using subplot.( Original Image is given with the name Earth)