ICV Lab 3

In this lab we will practice the tools and concepts discussed earlier. The submission for this lab will be in the form of a jupyter/ipython notebook uploaded to the google drive link provided.

https://drive.google.com/drive/folders/10l6r-8RUZrD9gvhYl2lsy3TG5T0DH2uC?usp=sharing

Tasks:

1. How can you improve the visual qualilty of a noisy image. What are the limitations of each technique used.

2. Can you detect the prominent circular/ oval objects from an image. What are the limitations of each technique used.

3. Can you detect where one color ends and the next one starts. Alternatively is it possible to detect the number of colors used. If possible where will each technique break down.

Is it possible to extract/crop the different objects based on color information alone.

4. Can you detect the boundaries of the objects represented in the images. If so what can make the task easier or more difficult.

How far can you scale the technique, high resolution, fine grain edges etc.

How about edges other than horizontal and vertical ones.