**BİL496 Sayısal Görüntü İşleme**LAB #1: Matlab ile temel görüntü işlemleri

1. Read an image from disk to the matlab workspace. Display its red, green and blue component separately.
2. Swap the red component and the blue component of the input image to create a new image, and save the new image into a new file in the disk.
3. Try to make the image brighter or darker.
4. Try to flip, rotate and crop the image.
5. Quantize the colour planes using 2 bits, 4 bits, 6 bits etc, and visualize the effect of the operations.
6. Sub-sample the image by a factor of 2 and 4 (using nearest-neighbour) and visualize the effect of the operations.

Tips:

1. You will rely on the following functions to finish the exercises: imread, imwrite, imshow, imagesc, imrotate, subplot