# Assignment 1

By

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Digital Image Processing (DV2592)

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## OBJECTIVE

This assignment should help you practice on addressing an imaging task using tools and techniques we have explored so far. Hints are given whenever possible.

## THINGS TO CONSIDER

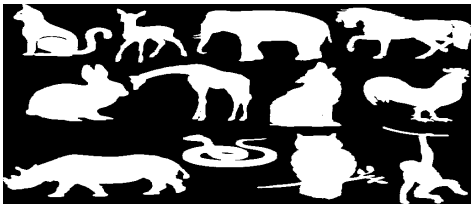
- Work on your own
- Try your best and there will be a possibility for small fixes
- Submission on Canvas (individual MATLAB files or zipped)
- Use comments (%My Comment) to explain to me what your code does
- Have a neat and concise coding style
- Save any output as *png* (*JPEG* destroys the *LSB* embedded bits).

## THE ASSIGNMENT

The assignment asks you to implement a simple information hiding technique (i.e., hiding an image inside another) with a secret key. I will supply you with two ".m" files, one for encoding and another for decoding.

### SOURCE IMAGES

You will need a color (RGB) image and a binary image of the same dimensions. Original size images are supplied on Canvas.

### THE ALGORITHM (PROCESS)

The algorithm should follow the steps depicted graphically in the below figure.