# Short Course on Deep Learning and Convolutional Neural Network, VIT Chennai

# Day 1: Lab-2
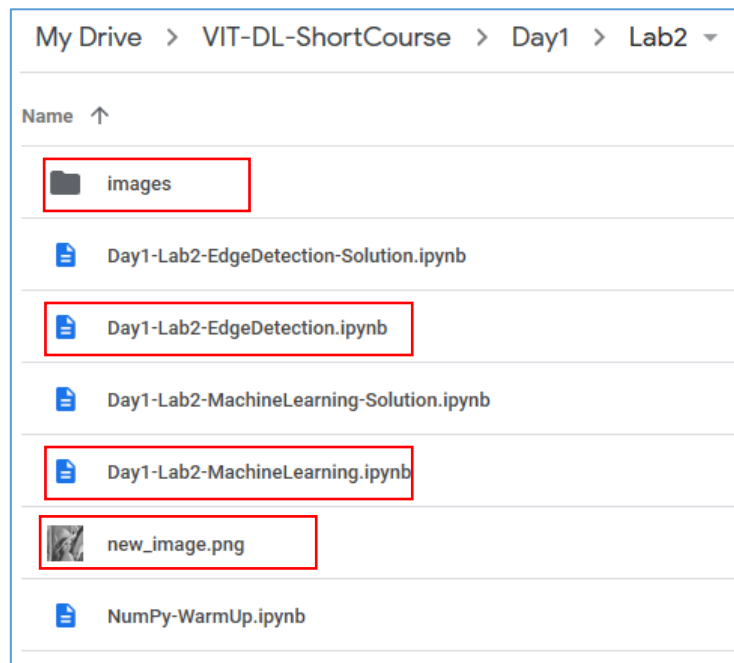
## Instructions:

### Setup Google Colab and Google Drive:

-Login to your UTS Google Drive using your Gmail address

- Under "VIT-DL-ShortCourse/Day1/Lab/" folder, create a folder named

   "Lab2". *Please note "VIT-DL-ShortCourse/Day1/Lab/" was already created in Day1 Lab1 session.*

- From GitHub , download the following notebooks from the "Day1/Lab2" folder

    **1. Day1-Lab2-EdgeDetection.ipynb and Images folder**

    **2. Day1-Lab2-MachineLearning.ipynb**

    **3. NumPy-WarmUp.ipynb,**

and upload them to "Lab2" folder on your Google Drive. Your folder should look similar to:

1. **Numpy Warmup:** Optional, but recommended for those new to Python programming and NumPy
2. **Task -1:** Edge detection using Convolution operation and TensorFlow
3. **Task -2:** Machine Learning basics: Train and Test K-NN and SVM classifiers, and introduction to TensorFlow

Please follow the instructions given on the notebooks as comments to complete the tasks.