Assignments due on 31/03/2021

Assignment 5a

1. In this assignment, we run train and test the classification of CIFAR 10 datasets using VGG 16
2. Download the VGG 16 architecture pytorch code.
3. Write codes to train the VGG 16 model with train dataset from CIFAR. You can use your 2 layer NN for multiclass codes to train the VGG 16 model. In this case the Net/model will be the VGG 16.
4. Accuracy and F1-score on the test set
5. Print Confusion Matrix

Assignment 5b

1. Import Pytorch.
2. Build your own CNN architecture with atleast three convolution layers, two max-pool layers, and three fully-connected (FC) layers.
3. Use ReLU as activation functions after conv layer.
4. Use sigmoid in the fully connected layers.
5. Train your model on the CIFAR 10 train set
6. Report the accuracy (accuracy and F1 score) while testing on the Test set. Also the confusion matrix.