CS669: Pattern Recognition
Programming Assignment-I

ASSIGNMENT DETAILS

Deadline for submission of report:

4.00PM, Sunday, 17th September 2017

Student *Group Details* are given here.

Note: Each batch of students must use the datasets identified for that batch only.

The assignment involves building the classifiers for the following three datasets.

Dataset I-(a): 2-dimensional artificial data of 3 classes that are **linearly separable.**
    Each class has 500 data points.

Data:
[Group-01] [Group-02] [Group-03] [Group-04] [Group-05]
[Group-06] [Group-07] [Group-08] [Group-09] [Group-10]
[Group-11] [Group-12] [Group-13] [Group-14] [Group-15]
[Group-16] [Group-17] [Group-18] [Group-19] [Group-20]
[Group-21] [Group-22]

Dataset I-(b): 2-dimensional artificial data of 2 or 3 classes that are **nonlinearly separable.**
    The number of examples in each class and their order is fiven at the begining of each file.

Data:
[Group-01] [Group-02] [Group-03] [Group-04] [Group-05]
[Group-06] [Group-07] [Group-08] [Group-09] [Group-10]
[Group-11] [Group-12] [Group-13] [Group-14] [Group-15]
[Group-16] [Group-17] [Group-18] [Group-19] [Group-20]
[Group-21] [Group-22]

Dataset II : Real world data of 3 classes
    The real world data sets correspond to the formant frequencies F1 and F2 for vowel utterances.

Data:
[Group-01] [Group-02] [Group-03] [Group-04] [Group-05]
[Group-06] [Group-07] [Group-08] [Group-09] [Group-10]
[Group-11] [Group-12] [Group-13] [Group-14] [Group-15]
[Group-16] [Group-17] [Group-18] [Group-19] [Group-20]
[Group-21] [Group-22]