



Data Science & Data Analytics Lab Project

CS695A

Analyze the **Assigned dataset** using any **three** of the following Machine Learning models in terms of Accuracy:

1. Multilayer Perceptron Feed-Forward Network
2. Random Forest
3. Support Vector Machine
4. Naïve Bayes Classifier
5. K-Nearest Neighbour

Datasets: (source: <https://archive.ics.uci.edu/ml/datasets.html>)

1. ILPD (Indian Liver Patient Dataset) Data Set
2. Ozone Level Detection Data Set
3. Banknote authentication Data Set
4. Occupancy Detection Data Set
5. SPECT Heart Data Set

Dataset Allocation:

- Each group consists of two members.
- Groups are formed as follows; Roll 1 & 2 will form group no. 1, Roll 3 & 4 will form group no. 2, and so on.
- Allotment List:

Dataset No.	Group No.
1	1 – 10
2	11 – 20
3	21 – 30
4	31 – 40
5	41 – 48

Submission:

The lab project carries 20 marks of the Final semester lab exam. The project is needed to be submitted on or before **First week of April' 2019 (01/04/2019 – 05/04/2019) on respective Lab days**. There will be no extension of the date of submission. A Project Report (including source code) is needed to be submitted during project submission. On the day of submission the project is needed to be demonstrated.