# Lab Work 2

(a) Implement the Decision-tree Classification Algorithm. You should use a standard measure such as Information Gain, Gain Ratio, Gini Index etc.
(b) Implement the Naïve Bayesian Classification Algorithm.
(c) Compare the performances of the above two classification algorithms using standard measures such as Accuracy, Precision, Recall, F-Measure etc. Use at least 8 real-life classification datasets.
(d) Submit the source codes of (a) and (b) and a report for (c). You may use your preferred language for implementation and tool/package to prepare the comparison graphs/charts and description of the report. However, you cannot use any built-in classifier while implementing (a) and (b).

**Datasets:** Download real-life datasets from the following website

UCI Machine Learning Repository

https://archive.ics.uci.edu/ml/index.php