# **IT402: Soft Computing**

## Lab Assignment 1 and 2

## 10-fold Naive Bayes algorithm

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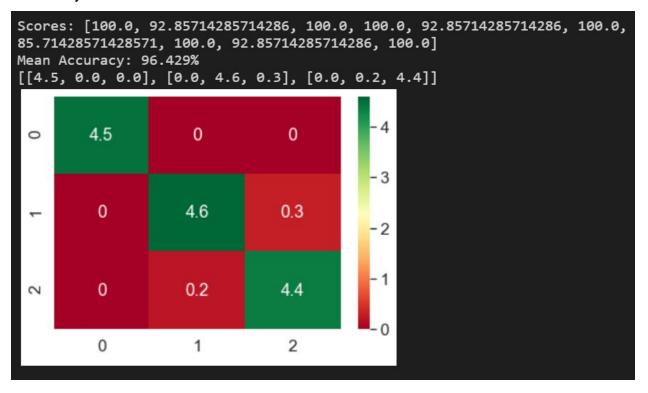
### ALgorithm:

1. Convert the given dataset into frequency tables.

2. Generate Likelihood table by finding the probabilities of given features.

3. Now, use Bayes theorem to calculate the posterior probability.

#### **Naive Bayes on IRIS Dataset**



### **Naive Bayes on SPECTF Dataset**

