

Lab Exercises 10 to 13

Date: 17<sup>th</sup> Oct 2025

Using Gaussian Naïve Bayes classify the given datasets to generate the following results.

- (i) Classification Report
- (ii) Confusion Matrix
- (iii) Accuracy
- (iv) Do the same with different Train and Test set ratio and compare accuracy.

```
from sklearn.naive_bayes import GaussianNB
```

### Datasets

- (i) Iris Dataset
- (ii) Breast Cancer Dataset
- (iii) Diabetes Dataset
- (iv) Wine Quality Dataset