Project Development Phase

Model Performance Test

Team ID	PNT2022TMID40374	
Project Name	Project - Detecting Parkinson's Diseas using Machine Learning.	
Maximum Marks	10 Marks	

ML Model Performance Testing:

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Values	Screenshot
1.	Metrics	Classification Model: Confusion Matrix, Accuracy Score & Classification Report	- Model Evaluation [30] cff = confusion_matrix(testY,preds) cff

BRIEF DETAILED SCREENSHOTS:

METRICS:

```
[32] acc = metrics.accuracy_score(testY,preds)
     0.86666666666667
[33] cr=classification_report(testY,preds)
     print(cr)
                  precision recall f1-score support
                              0.93 0.87
0.80 0.86
                      0.82
                      0.92
                                         0.86
                                                      15
                                          0.87
                                                      30
        accuracv
                     0.87 0.87
                                          0.87
       macro avg
     weighted avg
                      0.87
                               0.87
                                          0.87
[34] indexes = np.random.randint(0,30,25)
     indexes
     array([18, 15, 15, 16, 9, 20, 5, 5, 19, 22, 4, 23, 10, 6, 25, 10, 20, 0, 2, 22, 28, 25, 19, 6, 23])
```

TUNE THE MODEL: