## Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID00859
Project Name	Project - Corporate Employee Attrition Analytics
Maximum Marks	10 Marks

## **Model Performance Testing:**

S No	Parameter	Values	Screenshot
1.	Metrics	Classification Model:	Confusion matrix Accuracy
		Confusion Matrix - Accuracy - Score- Classification Report	confusion_matrix(y_test, pred)  array([[1126, 1], [ 42, 154]])  Importing Accuracy score package to calculate the score of Prediction  [33] from sklearn.metrics import accuracy accuracy_score(y_test,pred) 0.9674981103552532  The ML Model predicts the Testing Data with high Accuracy(97.50%)  This is the Best fit model for given data
2.	Tune the Model	Hyper parameters  Number of trees - Number of features	Importing Label Encoder  [] from sklearn.preprocessing import LabelEncoder for column in df.columns:     if efficially deper-up.number:         continue     else:         if efficially deper-up.number:         if efficially deper-up.number:         continue     else:         if efficially deper-up.number:         if efficially d