Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID42744
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 [1] from sklearn.preprocessing inport LabelEncoder for column in df.column: if df(column).dtpse-rep.number: continue. else: #f(column)-tabelEncoder().fst_transform(df(column)) /usr/local/lib/python3.7/dist-packages This is separate from the ipykernel