Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMD04094
Project Name	University Admit Eligibility Predictor
Maximum Marks	10 Marks

Model Performance Testing:

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

S.No.	Parameter	Values	Screenshot
1.	Confusion Matrix - Accuracy Score-	MAE - , 0.04555 MSE - , 0.00426 RMSE - 0.06527 , R2 score - 0.71683 Classification Model: Confusion Matrix -	Mean Squared Error (MSE) In [25]: from sklearn.metrics import mean_squared_error, r2_score mse = mean_squared_error(pred_test,y_test) In [26]: mse Out[26]: 0.004260810050671112 Root Mean Squared Error (RMSE) In [27]: rmse = np.sqrt(mse) In [28]: rmse Out[28]: 0.06527488070208257 R2 Score In [29]: r2_score(pred_test, y_test) Out[29]: 0.7168318679092451 Mean Absolute Error (MAE) In [32]: from sklearn.metrics import mean_absolute_error mean_absolute_error(pred_test, y_test) Out[32]: 0.0455524319663054
			False - 16 91 - 600 - 500 - 400
			True - 93 800 - 200 - 100
			False True Predicted label

		In [44]: Accuracy = metrics.accuracy_score(actual, predicted) Accuracy Out[44]: 0.816 Classification Report In [56]: from sklearn.metrics import classification_report print(classification_report(actual, predicted))
2. Tune the Model	Hyperparameter Tuning - Validation Method –	precision recall f1-score support 0