Project Development Phase
Model Performance Test

Date	17 November 2022
Team ID	PNT2022TMID12485
Project Name	Project – 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.	Metrics	**Regression Model:**
		
		MAE – 0.047956733620911976,
		MSE – 0.004617003377285005,
		RMSE – 0.06794853476922813
			`from sklearn.metrics import mean_squared_error, r2_score,mean_absolute_error`
			`print('Mean Absolute Error:', mean_absolute_error(y_test, y_predict))`
			`print('Mean Squared Error:', mean_squared_error(y_test, y_predict))`
			`print('Root Mean Squared Error:', np.sqrt(mean_squared_error(y_test, y_predict)))`
			
			Mean Absolute Error: 0.047956733620911976
			Mean Squared Error: 0.004617003377285005
			Root Mean Squared Error: 0.06794853476922813

2.	Tune the Model	Hyperparameter Tuning – Cross Validation Validation Method – GridSearchCV method	`print(best_grid.score(X_test, y_test))` 0.7752131291397252