Project Development Phase
Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID01122
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 -0.0530887499999999,
		MSE -0.005890691124999996,
		RMSE -0.07675083794330845,
		R2 score -0.6045653205836166
			`from sklearn.metrics import mean_squared_error, r2_score,mean_absolute_error`
			`print('Mean Absolute Error:', mean_absolute_error(y_test, y_pred))`
			`print('Mean Squared Error:', mean_squared_error(y_test, y_pred))`
			`print('Root Mean Squared Error:', np.sqrt(mean_squared_error(y_test, y_pred)))`
			`print('r2 score:',r2_score(y_pred,y_test))`
			
			Mean Absolute Error: 0.05308874999999998
			Mean Squared Error: 0.005890691124999996
			Root Mean Squared Error: 0.07675083794330845
			r2 score: 0.6045653205836166

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