

## Project Development Phase Model Performance Test

Date	15 November 2022
Team ID	PNT2022TMID33108
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	<b>Regression Model:</b> MAE -0.05308874999999999, MSE -0.005890691124999996, RMSE -0.07675083794330845, R2 score -0.6045653205836166	<pre>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))</pre> Mean Absolute Error: 0.053088749999999998 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	<pre>print(best_grid.score(X_test, y_test))</pre> 0.7752131291397252