Project Development Phase
Model Performance Test

Date	18 November 2022
Team ID	PNT2022TMID18817
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	
2.	Tune the Model	Hyperparameter Tuning – Cross Validation Validation Method – GridSearchCV method	

Screenshot 1 content:
```
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
```

Screenshot 2 content:
```
print(best_grid.score(X_test, y_test))

0.7752131291397252
```