

## Project Development Phase Model Performance Test

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| Date          | 19 November 2022                                 |
| Team ID       | PNT2022TMID26284                                 |
| Project Name  | Project - UNIVERSITY ADMIT ELIGIBILITY PREDICTOR |
| Maximum Marks | 10 Marks   |

### Model Performance Testing:

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

| S.No. | Parameter   | Values   | Screenshot  |
|-------|---|--|---|
| 1.    | Metrics   | <b>Regression Model:</b><br>MAE - , MSE - , RMSE - , R2 score -<br><br><b>Classification Model:</b><br>Confusion Matrix - , Accuray Score- & Classification Report - | <pre> Mean Absolute Error : 0.042722654277053705 Mean Squared Error : 0.003704655398788414 Root Mean Squared Error : 0.06086588041578314 R2 Score : 0.8188432567829627 </pre> |
| 2.    | Comparing R2 scores for different regression models | Multiple Linear Regression,<br>Decision Tree Regression, Random Forest Regression  | <pre> Mutiple Linear Regression's Score = 0.819 Decision Tree Regression's Score = 0.588 Random Forest Regression's Score = 0.787 </pre>                                      |

<https://github.com/IBM-EPBL/IBM-Project-1635-1658406225/blob/master/Project%20Development%20Phase/Sprint%202/Fundamental%20Regression%20Methods.ipynb>