



Project Development Phase Model Performance Test

Date	10 November 2022
Team ID	PNT2022TMID27812
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval
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 - , MSE - , RMSE - , R2 score - Classification Model: Confusion Matrix - , Accuracy Score- & Classification Report -	 <p>The screenshot displays two charts. The top chart is an ROC AUC curve, showing a blue line that rises steeply from the bottom-left corner towards the top-right corner, indicating good model performance. The y-axis ranges from 0 to 1, and the x-axis also ranges from 0 to 1. Below this is an SNS BARPLOT, which is a horizontal bar chart comparing the performance of different models. The bars are colored in shades of blue and green, and the x-axis represents a performance metric ranging from 0 to 1.0.</p>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <p>The screenshot shows the SweeTune hyperparameter tuning interface. It features a 'Train' and 'Test' section at the top with various parameters like 'F1', 'RMSE', 'MAE', 'AUC', 'Precision', 'Recall', 'F1-Score', 'RMSE', 'MAE', 'AUC', 'Precision', 'Recall', 'F1-Score'. Below this, there are sections for 'Line Up', 'Grid', and 'Model'. Each section displays a table of values and a corresponding bar chart. The 'Line Up' section shows a table with columns for 'VALUES', 'MAE', 'RMSE', 'AUC', 'Precision', 'Recall', 'F1-Score'. The 'Grid' section shows a table with columns for 'VALUES', 'MAE', 'RMSE', 'AUC', 'Precision', 'Recall', 'F1-Score'. The 'Model' section shows a table with columns for 'VALUES', 'MAE', 'RMSE', 'AUC', 'Precision', 'Recall', 'F1-Score'. Each table is accompanied by a bar chart showing the performance of different models.</p>