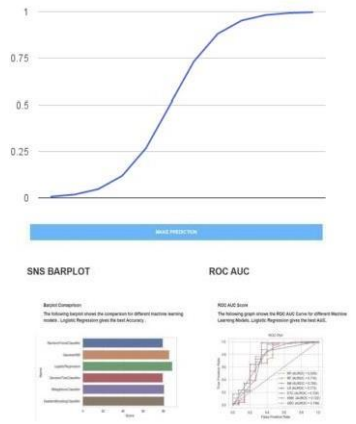



Project Development Phase Model Performance Test

Team ID	PNT2022TMID13268
Project Name	Smart Lender - Applicant Credibility Prediction for Loan Approval

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 a ROC AUC curve for a classification model, showing a high performance with an AUC score of approximately 0.95. Below the curve, there are two bar plots: 'SNS BARPLOT' and 'ROC AUC Score'. The 'SNS BARPLOT' shows the performance of different models, with 'Logistic Regression' having the highest accuracy. The 'ROC AUC Score' plot shows the performance of different models, with 'Logistic Regression' having the highest AUC score.</p>
2.	Tune the Model	Hyperparameter Tuning - Validation Method -	 <p>The screenshot shows the Sweethyz interface for model training and validation. It displays the 'Train' and 'Test' results for the 'Loan_ID' variable. The 'Train' results show a high accuracy of 0.95, while the 'Test' results show a slightly lower accuracy of 0.92. The interface also includes a 'Validation Method' dropdown menu and a 'Train' button.</p>