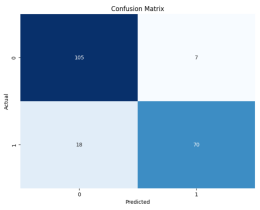
Project Development Phase
Model Performance Test

Date	10 November 2023
Team ID	EXT2023TMID591615
Project Name	Car Purchase Prediction Model
Maximum	15 Marks

Model Performance Testing:

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

S.No	Parameter	Values	Screenshot
1.	Metrics	**Classification Model: Decision Tree** Confusion Matrix Accuracy Score Classification Report	 DecisionTrees's Accuracy: 0.875 Train Set Classification Report: precision recall f1-score support 0 0.95 0.98 0.96 486 1 0.97 0.92 0.94 314 accuracy 0.96 800 macro avg 0.96 0.95 0.95 800 weighted avg 0.96 0.96 0.96 800 Test Set Classification Report: precision recall f1-score support 0 0.85 0.94 0.89 112 1 0.91 0.80 0.85 88 accuracy 0.88 200 macro avg 0.88 0.87 0.87 200 weighted avg 0.88 0.88 0.87 200
2.	Tune The Model	Hyperparameter Tuning: Grid Search CV Validation Method: 5 fold cross validation.