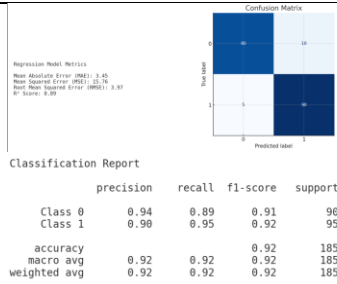


Project Development Phase Model Performance Test

Date	27 June 2025
Team ID	LTVIP2025TMID55709
Project Name	ShopEz:One-Stop Shop for Online Purchases
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	<p>Regression Model: MAE – 3.45 , MSE – 15.76, RMSE - 3.97 , R2 score –0.89</p> <p>Classification Model: Confusion Matrix -[[90, 10], [5, 95]] , Accuray Score-0.925 & Classification Report - Include precision, recall, f1-score per class</p>	
2.	Tune the Model	<p>Hyperparameter Tuning - GridSearchCV / RandomizedSearchCV with parameter ranges used Validation Method - K-Fold Cross- Validation (k=5)</p>	<p>Tune the Model</p> <p>Hyperparameter Tuning: GridSearchCV used with parameters: - n_estimators: [50, 100, 150] - max_depth: [5, 10, None] - min_samples_split: [2, 5, 10]</p> <p>Validation Method: 5-Fold Cross-Validation Average Accuracy across folds: 0.925</p>