Model Development Phase Template

Date	09 July 2024
Team ID	SWTID1720499933
Project Title	Ecommerce Shipping Prediction Using Machine Learning
Maximum Marks	5 Marks

Feature Selection Report Template

In the forthcoming update, each feature will be accompanied by a brief description. Users will indicate whether it's selected or not, providing reasoning for their decision. This process will streamline decision-making and enhance transparency in feature selection.

Feature	Description	Selected (Yes/No)	Reasoning
ID	Product ID	No	For predicting delivery of package, a ID is notrequired.
Warehouse Block	In which warehouse is the package located	Yes	Relevant for predicting punctual delivery of package.
Mode of Shipment	Using which medium of transportation, the product is deliverd	Yes	Relevant for predicting punctual delivery of package.
Customer Care Calls	Number of customer care calls for the product	Yes	Relevant for predicting punctual delivery of package.

Customer Rating	Customer Response	Yes	Relevant to predict using customer response
Cost of Product	Monetary value of product	Yes	Helps in determing the delivery of package based on its value
Prior Purchases	Number of previous purchases of the same product	Yes	Relevant for predicting punctual delivery of package.It helps in determing how many times such packages have been delivered
Product Importance	Importance of Product	Yes	Fundamental for assessing the delivery status based on product importance.
Gender	Gender of customer	Yes	Helpful in assessing product delivery based on gender
Discount offered	Discount offered on product	Yes	A factor to determine product delivery status.
Weight in grams	Weight of product	Yes	A factor to determine product delivery status.
Reached on time	Punctual Delivery Outcome	Yes	The target variable for predictive modeling – is essential for the project's goal.