

Model Development Phase Template

Date	15 March 2024
Team ID	SWTID1720161281
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
Warehouse block	The block of the warehouse where product is stored	Yes	Because location of the product is an important factor in determining the time of shipment
Mode of Shipment	How the product is shipped	Yes	Because if the mode is through flight, it will be shipped quickly as compared to road or ship
Customer care calls	No. of times the customer has called	Yes	Because if the customer has called more times that product needs to be shipped with more priority

Customer Rating	Rating given by the customer	Yes	Because the rating is also a major factor in determining the priority
Cost of the Product	The price at which the product is sold	Yes	Because more expensive products are sold earlier
Prior Purchase	How many times the product is purchased earlier	Yes	Because if it purchased more times, it has greater demand then it should be shipped earlier
Product importance	Importance of the product	Yes	Because the more important product should be shipped earlier
Discount offered	The discount offered on the product	Yes	The discount offered also determines the rate of the shipment
Weight in grams	The weight of the product	Yes	Because heavy products cannot be shipped by road
ID	The ID of the product	No	Because ID has no role in rate of shipment
Gender	The gender of the delivery person	No	Because Gender has no role in how fast the product is shipped