

Model Development Phase Template

Date	15 March 2024
Team ID	SWTID1720369851
Project Title	Ecommerce Shipping Prediction
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	ID Number of Customers	No	ID is not the deciding feature whether the product is delivered on time or not.
Warehouse block	The Company have big Warehouse which is divided in to block such as A,B,C,D,E.	No	It cannot be decided by looking into the warehouse if the product is going to be delivered on time.
Mode of shipment	The Company Ships the products in multiple way such as Ship, Flight and Road.	Yes	Mode of shipment is a deciding factor as some mode can be fast while others can be slow.
Customer care calls	The number of calls made from enquiry for enquiry of the shipment.	Yes	If a customer is making more calls to customer care, they may expect their product to be delivered on time.

Customer rating	The company has rated from every customer. 1 is the lowest (Worst), 5 is the highest (Best).	Yes	If a customer has a higher rating, they are expected to receive their product before the arrival time.
Cost of the product	Cost of the Product in US Dollars.	Yes	Expensive products are expected to be delivered earlier.
Prior purchases	The Number of Prior Purchase.	Yes	If a customer is a frequent user of the platform, they are going to get their products delivered on time.
Product importance	The company has categorized the product in the various parameter such as low, medium, high.	Yes	If a product is having more importance to the user, they will be getting the product at the earliest.
Gender	Male and Female.	No	This cannot be the deciding feature, as the product delivery is independent of Gender.
Discount offered	Discount offered on that specific product.	Yes	If a product is having more discount so it is expected to be delivered later than usual products.
Weight in gms	It is the weight in grams.	Yes	The weight of the product plays a major role in the delivery time of the product as it can affect the speed of the delivery rate.
Reached on time	It is the target variable, where 1 Indicates that the product has NOT reached on time and 0 indicates it has reached on time.	Yes	It is used for future reference and to make the prediction whether that delivery location is expected to get their product delivered earlier.