

## Model Development Phase Template

Date	20 July 2024
Team ID	SWTID1720086535
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
<b>ID</b>	Unique identifier for each order	No	Explanation of why it was selected or excluded
<b>Warehouse_block</b>	The location of the product within the warehouse	Yes	Potentially impacts picking and packaging time
<b>Mode_of_Shipment</b>	The chosen shipping method	Yes	Directly impacts time taken for the order to reach its destination
<b>Customer_care_calls</b>	Number of times a customer contacted support regarding the order	Yes	Might indicate potential issues or delays

<b>Customer_rating</b>	Customer's previous rating on the platform	Yes	Might influence prioritization for faster shipping
<b>Cost_of_the_Product</b>	Price of the product which could affect shipping method choice or priority	Yes	Could affect shipping method choice or priority
<b>Prior_purchases</b>	Number of previous purchases by the customer	Yes	Loyal customers might receive faster shipping
<b>Product_importance</b>	Measure of the product's significance	Yes	High importance might lead to faster shipping
<b>Gender</b>	Customer's gender	Yes	Relevant for assessing diversity and potential bias
<b>Discount_offered</b>	Any discount applied to the order	Yes	Might affect chosen shipping method
<b>Weight_in_gms</b>	Weight of the product in grams	Yes	Directly impacts shipping cost and potentially speed
<b>Reached.on.Time_Y.N</b>	Indicates if the order reached on time	Yes	Target variable (Yes/No) indicating if the previous order reached on time is essential for predictive modelling