**Model Development Phase Template**

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| 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.

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| **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 shiped |