Model Development Phase

Date	10 June 2024
Team ID	739702
Project Title	Optimising Food Delivery Using ML
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
Delivery Person Rating	Rating of the delivery person based on past performance	Yes	Helps in understanding the quality of service and its impact on delivery time and customer satisfaction.
Restaurant latitude	Geographical latitude of the restaurant	Yes	.Essential for calculating the distance between the restaurant and delivery location.
Restaurant longitude	Geographical longitude of the restaurant	Yes	Essential for calculating the distance between the restaurant and delivery location.
Delivery location latitude	Geographical latitude of the delivery location	Yes	Critical for calculating the delivery route and distance.
Delivery location longitude	Geographical longitude of the delivery location	Yes	Critical for calculating the delivery route and distance.
Time Orderd	Timestamp when the order was placed	Yes	Important for understanding peak hours and timing patterns affecting delivery performance.
Weather conditions	Current weather conditions at the time of delivery	Yes	Weather can significantly impact delivery times and route optimization.
Road traffic density	Traffic conditions on the delivery route	Yes	High traffic density can cause delays; essential for real-time route adjustments.

Type of order	Category of the order (e.g., meal type)	Yes	Different order types may have varying preparation and delivery times.
Festival	Indicates if the order is placed during a festival	Yes	Festivals can affect order volume and traffic, impacting delivery times.
City	The city where the delivery is being made	Yes	Different cities may have different traffic patterns and customer behaviours.