# Model Development Phase

| | |
|---|---|
| Date | July 2024 |
| Team ID | 739806 |
| Project Title | Occupancy Rates and Demand in the Hospitality Industry |
| Maximum Marks | 5 Marks |

**Feature Selection Report**

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 |
|---|---|---|---|
| Date,time | Represents the date and time of the occupancy rate | No | Not required for predicting the occupancy rate |
| Occupancy rate | The total occupancy rate by the customers. | Yes | This is the value we are predicting; this is total occupancy rate occupied already by customers. |

| Temperature | It shows about the temperature in degrees. | Yes | This is the value we are predicting; this is total occupancy rate not occupied by customers. |
|---|---|---|---|

| Humidity | It represents the temperature in degrees. | Yes | It shows in helping the occupancy rate. |
|---|---|---|---|
| Humidity ratio | It gives humidity ratio | Yes | Occupancy rate can be given by it. |