**Model Development Phase Template**

| Date | July 2024 |
| --- | --- |
| Team ID | 740105 |
| Project Title | Restaurant Recommendation System |
| Maximum Marks | 10 Marks |

**Initial Model Training Code, Model Validation and Evaluation Report**

The initial model training code will be showcased in the future through a screenshot. The model validation and evaluation report will include a summary and training and validation performance metrics for multiple models, presented through respective screenshots.

**Initial Model Training Code (5 marks):**

Paste the screenshot of the model training code

**Model Validation and Evaluation Report (5 marks):**

| **Model** | **Summary** | **Training and Validation Performance Metrics** |
| --- | --- | --- |
| Model 1 | Matrix factorization is a class of collaborative filtering algorithms used in recommendation systems. The key idea is to decompose a large matrix (often a user-item interaction matrix) into smaller matrices that can be used to predict missing entries. |  |