Project Design Phase-I
Proposed Solution Template

Date	19 November 2023
Team ID	Team-593004
Project Name	Restaurant Recommendation System
Maximum Marks	2 Marks

Proposed Solution Template:

Project team shall fill the following information in proposed solution template.

S.No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	How might we help users navigate the vast sea of restaurant choices by providing personalized recommendations and filtering options, simplifying the decision-making process, and reducing information overload?
2.	Idea / Solution description	Develop an intelligent restaurant recommendation system that utilizes machine learning and user data to provide personalized suggestions, filtering options, and a simplified decision-making process, effectively reducing information overload and enhancing the overall dining experience.
3.	Novelty / Uniqueness	Implementation of multi-faceted filtering options that cater to diverse user preferences and dining criteria, empowering users to refine their search results effectively.
4.	Social Impact / Customer Satisfaction	By streamlining the restaurant selection process and providing tailored recommendations, the system can significantly reduce decision fatigue and information overload, making it easier for users to find restaurants that align with their tastes and preferences.
5.	Business Model (Revenue Model)	1. Allow restaurants to pay to have their listings featured prominently in search results or to target specific user segments with personalized advertisements. 2. Charge restaurants a monthly or annual fee to access the recommendation system and receive personalized recommendations, user analytics, and targeted marketing opportunities.

6.	Scalability of the Solution	Implementing a scalable and distributed data storage infrastructure to handle the increasing volume of user data, restaurant information, and recommendation algorithms.