

Project Design Phase – 1

Proposed Solution

Date	23 October 2023
Team ID	Team-592388
Project Name	Project – Restaurant Recommendation System
Maximum Marks	5 Marks

Proposed Solution:

S. No.	Parameter	Description
1	Problem Statement (Problem to be solved)	The problem to be solved is the challenging and time-consuming process of finding restaurants that align with users' specific preferences, dietary needs, location constraints, and budget considerations. Users often stick to the same familiar restaurants, missing out on hidden gems. Moreover, they may want to explore restaurants that align with their ever-evolving dietary preferences and lifestyle choices.
2	Idea / Solution description	The proposed solution is a Restaurant Recommendation System that leverages advanced algorithms and user input to provide personalized and efficient restaurant recommendations. This system analyzes user preferences, dietary requirements, location, and budget, and offers curated restaurant suggestions. It also takes into account factors such as ambiance, ratings, and user reviews to ensure an enjoyable dining experience.
3	Novelty / Uniqueness	What sets this solution apart is its ability to provide highly personalized recommendations by considering a wide range of user-specific factors. It uses innovative recommendation algorithms to deliver accurate and relevant suggestions, taking into

		account real-time data and feedback. Additionally, it integrates both quantitative and qualitative aspects, combining user preferences with crowd-sourced restaurant information to create a comprehensive dining solution.
4	Social Impact / Customer Satisfaction	The proposed solution has a significant social impact by simplifying the restaurant discovery process, saving users time and effort, and reducing decision fatigue. It enhances customer satisfaction by increasing the likelihood of users finding and enjoying dining experiences that align with their preferences, resulting in more positive restaurant interactions. It also promotes community engagement through user-generated reviews and recommendations.
5	Business Model (Revenue Model)	The business model relies on partnerships with local restaurants, where restaurants pay a referral fee for every user who dines with them through the recommendation system. Additionally, a premium subscription tier offers users access to exclusive dining events and discounts at partnering restaurants. The freemium model provides basic access to restaurant suggestions while the premium tier unlocks advanced features and experiences.
6	Scalability of the Solution	The proposed model is highly scalable. It can accommodate a growing user base by leveraging cloud-based infrastructure and optimized algorithms. As the number of users and restaurant data increase, the system can scale horizontally to maintain performance. Real-time data updates ensure that the model remains responsive and reliable even as the platform expands to serve more users and regions.