Project Design Phase-I
Proposed Solution Template

Date	20 October 2022
Team ID	Team - 592805
Project Name	Restaurant Recommendation System
Maximum Marks	2 Marks

Proposed Solution Template:

S No.	Parameter	Description
1.	Problem Statement (Problem to be solved)	In the current restaurant recommendation landscape, people primarily rely on recommendations from friends, family, and coworkers when deciding where to dine. However, this traditional method has its limitations like limited knowledge and subjective variability. So the people need a reliable recommendation through which they can choose a good restaurant.
2.	Idea / Solution description	The proposed solution is a Restaurant Recommendation System, designed to address the limitations of traditional recommendations and enhance the dining experience. This system will leverage technology and data to offer more personalized, diverse, and reliable restaurant suggestions. Key components of the solution are review and rating analysis and Machine learning.
3.	Novelty / Uniqueness	The system offers highly personalized recommendations, considering individual preferences and previous dining experiences. It suggests a variety of restaurants, including those less known to the user, ensuring a broader dining experience. The system continually learns from user behaviour and adapts its suggestions, increasing user satisfaction over time.
4.	Social Impact / Customer Satisfaction	The Restaurant Recommendation System aims to significantly enhance customer satisfaction by providing more accurate and

		diverse dining options, reducing the chances of disappointment. Users will appreciate the convenience of tailored suggestions and discovering new, exciting places to dine.
5.	Business Model (Revenue Model)	Partnerships: Collaborate with restaurants for featured listings, promotions, and discounts to generate revenue. Advertisement: Allow restaurants to advertise within the app, reaching a targeted audience interested in dining out.
6.	Scalability of the Solution	The system's scalability is vital for accommodating a growing user base and ensuring efficient performance. This can be achieved through: Machine Learning Optimization: Continuously fine-tune algorithms for quicker and more precise recommendations as the user base expands. Localized Recommendations: Expand to different cities and regions to serve a broader audience, allowing for scalability in different markets. We can do this by upgrading our dataset