**Project Design Phase**

**Proposed Solution Template**

| Date | 11 March 2025 |
| --- | --- |
| Team ID | Team - 147872 |
| Project Name | CookBook |
| Maximum Marks | 2 Marks |

|  |  |  |
| --- | --- | --- |
| **S NO** | **NAME** | **MAIL ID** |
| **1** | **SHARIKKA R (TEAM LEADER)** | **sharikkaramdass@gmail.com** |
| **2** | **SHALINI B** | **shalinibharathi2005@gmail.com** |
| **3** | **SINDHUJA M** | **sindhujasindhu403@gmail.com** |
| **4** | **SNEKHA N** | **nsnehansneha91@gmail.com** |

**Proposed Solution Template:**

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

| **S.No.** | **Parameter** | **Description** |
| --- | --- | --- |
|  | Problem Statement (Problem to be solved) | Many users struggle to find well-structured, personalized, and easy-to-follow recipes. Existing platforms either require paid memberships, lack filtering options, or provide unstructured data, making meal planning and cooking difficult. |
|  | Idea / Solution description | A React.js-based Recipe Web Application that allows users to search, filter, and save recipes based on ingredients, dietary preferences, and meal type. The application integrates with a recipe API (e.g., ThemealsDB, Edamam) to provide real-time access to recipe details, nutritional values, and ingredient substitutions. |
|  | Novelty / Uniqueness | Free and structured access to categorized, diet-friendly, and ingredient-based recipes with an intuitive and user-friendly interface. Features include personalized meal planning, AI-based recommendations, and interactive cooking guides to enhance user engagement. |
|  | Social Impact / Customer Satisfaction | Encourages healthier eating habits by making nutritional information and diet-based filtering easily accessible. Helps users reduce food waste by providing recipes based on available ingredients, promoting sustainability and cost-effective cooking. |