

Project Design Phase
Proposed Solution Template

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| Date | 6 March 2025 |
| Team ID | SWTID1741155911 |
| Project Name | Cook Book |
| Maximum Marks | 2 Marks |

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| Team Leader | DIVYA M |
| Team Member | LAKSHAYA M |
| Team Member | ASWINI M |
| Team Member | SUBLAKSHMI K |

Proposed Solution Template:

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

| S.No. | Parameter | Description |
|--------------|--|--|
| 1. | 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. |
| 2. | 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. |
| 3. | 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. |
| 4. | 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. |