**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 10 March 2025 |
| Team ID | SWTID1741104197 |
| Project Name | CookBook: Your Virtual Kitchen Assistant |
| Maximum Marks | 4 Marks |
| Team Leader | Bhuvaneshwarar T |
| Team Member | Naveen kumar M |
| Team Member | Santhosh R |
| Team Member | Sugan M |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| **FR-1** | Frontend Interface | Interactive and responsive UI  Recipe search functionality  Display recipe lists and detailed views  User-friendly navigation |
| **FR-2** | Recipe Management | Search for recipes based on ingredients |
|  |  | View detailed recipe instructions |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The app should have an intuitive and user-friendly interface, ensuring smoothness. |
| NFR-2 | **Security** | API Requests must be secured. The app should prevent unauthorized use . |
| NFR-3 | **Reliability** | The app should ensure a consistent and uninterrupted experience, minimizing crashes and downtime. |
| NFR-4 | **Performance** | Recipe search results should be displayed within 2 seconds. |