**Project Design Phase-II**

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

| Date | 13 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID16702 |
| Project Name | AI-powered nutrition analyzer for fitness enthusiasts |
| Maximum Marks | 4 Marks |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| --- | --- | --- |
| FR-1 | User Registration | Registration through Mobile Number  Registration through Google Account  Registration through Facebook |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP  Confirmation via Call |
| FR-3 | User Location Capturing Process | Provide Access to Location Through Map  Provide Access to Upload Location Through Map |
| FR-4 | User food Reminder | Remind the User to take their healthy and tasty food  At right time through remaindering alarm. |
| FR-5 | Feedback | User can take feedback or ratings from the Customer through Chats. |
| FR-6 | Order Confirmation | User can know their food level from customer through:  Order Confirmation Through message  Order Confirmation Through OTP  Order Confirmation Through Call |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | It should be user friendly and comfortable.The results should be self explanatory so that it can be understood by common people |
| NFR-2 | **Security** | AI powered nutrition analyzer for fitness should contain more security in which our data which entered or maintained should be more security. |
| NFR-3 | **Reliability** | It is easy to find that is he/she can compare the nutrition based food with other nutrition related application so, it can easily rectify whether it is reliable or not. |
| NFR-4 | **Performance** | The nutritious food to meet their dietary needs and the food preferences for an active and healthy life. |
| NFR-5 | **Availability** | Avoids Data redundancy and inconsistency.  Fast and Efficient. User Friendly. |
| NFR-6 | **Scalability** | The architecture for AI powered Nutrition Analyzer for fitness provides the clear procedure daily consumption of food and helps the user to maintain a healthy diet. |