**Project Design Phase-II**

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

| Date | 03 October 2022 |
| --- | --- |
| Team ID | PNT2022TMID53113 |
| 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 Instagram  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email |
| FR-3 | Identification of Nutritional Value in a particular fruit | Identify nutritional value from given input picture and display information to the user |
| FR-4 | Share diet plans with friends | Sharing diet plans by adding fruits taken every day that might engender interest in dieting |

**Non-functional Requirements:**

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

| **FR No.** | **Non-Functional Requirement** | **Description** |
| --- | --- | --- |
| NFR-1 | **Usability** | Easy to use and control information given in the application. |
| NFR-2 | **Security** | Preventing misuse of information is considered to be the topmost priority in the developed application . |
| NFR-3 | **Reliability** | Highly reliable, prone to less failure due to the availability of the application in a cloud environment. |
| NFR-4 | **Performance** | The application is developed in such a way that the classification of fruits and information regarding the nutritional values are concordant with actual observations. |
| NFR-5 | **Availability** | The application is available as a web application which is the most common way in which people look up information on the internet. |
| NFR-6 | **Scalability** | The application can be further scaled to create a mobile application and can further help in providing information on nutritional values of vegetables. |