**Project Design Phase-II**

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

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| Date | 04 November 2022 |
| Team ID | PNT2022TMID34036 |
| Project Name | AI –powered Nutrition Analyzer for fitness Enthusiasts |
| Maximum Marks | 4 Marks |

**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 | User Registration | Registration through Form  Registration through Gmail  Registration through LinkedIN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 | App Installation | Installation through link  Installation through Play store/App store |
| FR-4 | User Interface | User login form |
| FR-5 | Detecting patient Location | Detecting via app  Detecting via SMS  Detecting location through GPS |
| FR-6 | User Notification | Notification through message  Notification through gmail |

**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** | * To guide its users towards a healthy diet and assist them to achieve their health goals. * To provide the user with instructions and examples of one or more types of exercise, physical activity, nutritional programs. * Fitness apps also have various workout videos that users can follow to exercise. |
| NFR-2 | **Security** | * It collect less user data than other types of mobile apps. * The Health app is built to keep your data secure and protect your privacy. * Privacy concerns have emerged about the interactions between an individual's raw fitness data and data analysis by the providers of fitness apps . |
| NFR-3 | **Reliability** | * These fitness trackers appear suitable for consumer use and promoting physical activity for older adults. * It helps us understand the sources of error and how they affect findings in practice and in research. |
| NFR-4 | **Performance** | * Smartphones have revolutionized the way people communicate and find the information they need. * Many athletes are now using smartphone apps to log their nutrition and ensure that they are on track with their eating plan. |
| NFR-5 | **Availability** | * The apps had the greatest number of features in the dietary intake category. |
| NFR-6 | **Scalability** | * The capacity of an app to handle growth, especially in handling more users and evolving concurrently with your business needs. |