

Project Design Phase-II
Solution Requirements (Functional & Non-functional)

| | |
|---------------|---|
| Date | 13 October 2022 |
| Team ID | PNT2022TMID12220 |
| Project Name | Project - 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 Form Registration through Gmail Registration through LinkedIn |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | User Access | Should be able to Access the current as well as the previous data. |
| FR-4 | User Security | Application should be secured and also it should have two step verification. |
| FR-5 | Performance | Application should be able to access huge amount of data and provide information in a span of time |
| FR-6 | Display | The Application should display the information in same page and their should be a download option |

Non-functional Requirements:

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

| FR No. | Non-Functional Requirement | Description |
|--------|----------------------------|---|
| NFR-1 | Usability | A user can access the information through the application without consuming time . |
| NFR-2 | Security | confidentiality and authentication of user information is maintained. |
| NFR-3 | Reliability | A user can access the information that is previously stored at any time. |
| NFR-4 | Performance | Web application loading time is not more than few seconds. |
| NFR-5 | Availability | A user can access the resources at free of cost they can collect the information which they required. |
| NFR-6 | Scalability | It can be accessed easily with an increased number of users. |

