

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

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| Date | 16 October 2022 |
| Team ID | PNT2022TMID15781 |
| 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 Login | Login through Google Login through Email |
| FR-4 | Choose package | Selection of desired package |
| FR-5 | Generate the daily plan | Daily plans will be generated by dietician |
| FR-6 | Manage progress report | Gathering information from database and generating report |
| FR-7 | Query | The user can ask for changes in plan |

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 with interactive User Interface |
| NFR-2 | Security | User can access only their personal information and not that of other users. |
| NFR-3 | Reliability | The average time of failure shall be 7 days. |
| NFR-4 | Performance | The results has to be shown within 10 sec |
| NFR-5 | Availability | The dietician shall be available to users 24 hours a day, 7 days a week. |
| NFR-6 | Scalability | Supports various food items |