

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

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|---------------|---|
| Date          | 14 November 2022  |
| Team ID       | PNT2022TMID02072  |
| 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<br>Registration through Gmail<br>Registration through FaceBook |
| FR-2   | User Confirmation               | Confirmation via Email<br>Confirmation via OTP   |
| FR-3   | User Login                      | Login through Google<br>Login through Email  |
| FR-4   | Choose the diet plan            | Selection on based on desired  |
| FR-5   | Generate the daily plan         | Daily plans will be generated by dietician   |
| FR-6   | Choose package for subscription | Selection of desired package   |
| FR-7   | Manage progress report          | Gathering information from database and generating report                                |
| FR-8   | 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  | <b>Usability</b>           | Easy to use with interactive User Interface                                  |
| NFR-2  | <b>Security</b>            | User can access only their personal information and not that of other users. |
| NFR-3  | <b>Reliability</b>         | The average time of failure shall be 7 days.                                 |
| NFR-4  | <b>Performance</b>         | The results has to be shown within 30 sec                                    |
| NFR-5  | <b>Availability</b>        | The dietician shall be available to users 24x7                               |
| NFR-6  | <b>Scalability</b>         | Supports various food items  |