

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

|               |                                 |
|---------------|---------------------------------|
| Date          | 15October 2022                  |
| Team ID       | PNT2022TMID49561                |
| Project Name  | NUTRITION ASSISTANT APPLICATION |
| 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 email<br>Registration through phone number  |
| FR-2   | User Confirmation             | Confirmation via Email   |
| FR-3   | User Profile Completion       | Get personal details like height, weight, etc.   |
| FR-4   | Gather meal image             | Upload photo<br>Take live photo of the meal  |
| FR-5   | Display calorie information   | Integrate Clarifai API to get name of the food<br>Integrate Nutrition API (rapid API) to collect calorie information |

**Non-functional Requirements:**

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

| FR No. | Non-Functional Requirement | Description   |
|--------|----------------------------|---|
| NFR-1  | <b>Usability</b>           | Provide user friendly UI<br>Simple and intuitive design                               |
| NFR-2  | <b>Security</b>            | Comprehensive authorization and authentication scheme for each system actor           |
| NFR-3  | <b>Reliability</b>         | The system must perform without failure in 95 percent of use cases                    |
| NFR-4  | <b>Performance</b>         | The landing page supporting several users must provide 5 second or less response time |
| NFR-5  | <b>Availability</b>        | Uninterrupted services must be available all time except the time of server updation. |
| NFR-6  | <b>Scalability</b>         | Provide horizontal or vertical scaling for higher workloads.                          |