

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

Date	16 October 2022
Team ID	PNT2022TMID20166
Project Name	Nutrition Assistant Application
Maximum Marks	4 Marks

**Scope:**

**Maintains good health:** The application can help in guiding them on how to remain healthy and how to take good nutrition. The application will help them without personally going to the doctor. Promote better nutrition in the community by educating about better diet and nutrition.

**Functional limitation:** The user to be specific can't access the web or admin module, whereas the administrator has all the rights to modify and manage the contents such as news, tips, etc

**Improve Usability:** In the part of user's just the internet connection is enough in order to access the news, updates and other contents provided by the admin regarding their health condition.

**Health conscious:** This will provide convenience to persons/users who wants to learn about nutrition and other related health topics by just using the Nutrition Assistant Application

**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 And set a unique Password.
FR-2	User Login	User can login to the Application page whom already registered the registration.
FR-3	User Request	The user sends the request to the server to know about the food nutrition value and calories
FR-4	Server Response	The server sends the response to the user sent requested, that to display the nutrition value of the user sent image.
FR-5	User Details	First the user will send the request, (they took a picture and upload it to the page) then the server responds the user sent request (the server notify the picture and upload the nutrition value of the given picture).

### Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Functional and Friendly UI Better visualization tools to help the user to understand the importance of health and calorie details of consuming food.
NFR-2	<b>Security</b>	We maintain the normal secured protocol for the security systems. To prevent the user information's.
NFR-3	<b>Reliability</b>	Its so reliable to the users because the information we are providing on the web application is totally taken the nutrition consultant and some top references of the nutrition value pages.
NFR-4	<b>Performance</b>	Using cloud database for storage Clarifai's AI-Driven Food Detection Model for accurate food identification and Food API's to give the nutritional value of the identified food.
NFR-5	<b>Availability</b>	Web app Accessible from all devices Its nor has any premium plans so its available for every user.
NFR-6	<b>Scalability</b>	Its all about the server system side and we are providing a service for a short scale of users. This application will run how long the server systems were going through.