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

Date	23 OCT 2022
Team ID	PNT2022TMID07937
Project Name	NUTRITION ASSISTANT APPLICATION

Functional Requirements:

Following are the major functional requirements of the proposed solution.

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Registration / Authorization	Registration through G-Mail Login through G-Mail
FR-2	Food Scanner	Scan the food based on image
FR-3	Calorie Calculator	Get all components of food Calculate calorie and nutritional values
FR-4	Image Processor	Input image Get various sub-components
FR-5	Alert	Alert with notification for user
FR-6	Diet Recommender	Diet chart with good recommendation
FR-7	Food Tracker	Keep track of the individual food habits

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	User-friendly UI
NFR-2	**Security**	Data integrity and safeness of data in DB
NFR-3	**Reliability**	The application will be consistent and reliable
NFR-4	**Performance**	Fast image processing and nutrition extraction Quick to recommend food and alert the users.
NFR-5	**Availability**	Available at all time for usage
NFR-6	**Scalability**	Large number of users can be able to use at the same time with proper functioning.

FUNCTIONAL REQUIREMENTS

- Authorization
- User Profile
- Search
- Food Scanner / Camera
- Image Processor
- Calorie Calculator
- Tracker
- Diet Chart
- Food Recommendation
- Alert/ Notification

User friendly UI

Responsive Application

Compatibility

Reliability

Non Functional Requirements

Scalability

Data Integrity

Availability