

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

Date	20 October 2022
Team ID	PNT2022TMID03350
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 Form Registration through Gmail Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Respective of Gender	Provides the result for the food image according to the gender they registered. Example: Male, Female
FR-4	Advanced Filtering features.	Provides the result according to the customer's data. Example: Adult, teens, Pregnant Woman
FR-5	Advanced Image detecting feature	Specialized camera for detecting only the food on the plate to identify the calorie content
FR-6	Data Saving Capabilities.	Customers can save their obtained data of the food image detected for future reference.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Provides easy access for users with little technological experience.
NFR-2	Security	Personalized data about the users such as BMI, height, weight, metabolic rate is maintained securely by making it unavailable to the third person, by making the users to create their own password.
NFR-3	Reliability	Ensures fast resource access by providing immediate response to the food image detected.
NFR-4	Performance	Provides best performance by using their current weight and the target in the app to scan food for calories.
NFR-5	Availability	Depending on the user's preference, information can be showed in their convenient language.
NFR-6	Scalability	Makes life easier for individuals who need to track their daily food intake for healthy reasons.