

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

Date	20 October 2022
Team ID	PNT2022TMID03918
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 and User Confirmation	The user can register into the fitness website using his/her login credentials. Registered users are verified through Email or mobile number using OTP. Each user who has registered is provided with a personal nutritionist to guide them according to their fitness requirements. Users who have not registered can access the website to check out the nutritional values of food.
FR-2	User Interaction With nutritionist	All the registered users can interact with their personalized nutritionist through chat with nutritionists. Unregistered users can ask general queries in the chat box.
FR-3	User Satisfaction	The UI/UX of the website must be simple and user friendly to use. The nutritionist assigned to each user should be friendly to the user so that they feel comfortable sharing their fitness problems and requirements.
FR-4	User Engagement/Feedback	The users should keep themselves engaged by logging into the website everyday to follow their fitness routine Users should give feedback about their everyday routine as it helps the nutritionist to know the user's perspective.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The website should be user friendly to use Anyone from age group above 13 must be able to access The nutritional facts mentioned must be clear and correct
NFR-2	Security	All the user's data who have registered are confidential and secure. Each registered user is provided with unique login credentials to maintain security.
NFR-4	Performance	The website must be able to show the results of nutritional facts of food within a few seconds.
NFR-5	Availability	Personal nutritionist guidance is restricted to unregistered users
NFR-6	Scalability	The system should be able to handle a large number of users accessing the website at same time.