

PROJECT DESIGN PHASE-II
Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID19292
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	Registration through Form Registration through Gmail Registration through link
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP. The application gives the ability to ask questions about a problem in the fitness groups, through which they can work effectively.
FR-3	User Login	Login through Google Login through Facebook The satisfaction of each user is a must, so UI/UX should be more than enough to engage the user in the platform and the performance of the application should be optimized in order to keep every user for a long time.
FR-4	Choose package	Selection of desired package The user should be engaged in the application at least Once a day to get notified about the latest and good practice on fitness which is recommended by the backend model.
FR-5	Generate the daily plan	Daily plans will be generated by dietician through the app.
FR-6	Manage progress report	Gathering information from database and generating report
FR-7	Query	Report the issue having in the app

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Easy to use with interactive User Interface So, the application should be easily accessible by users and also it should have the ability to report an issue by the user to solve it as soon as possible.
NFR-2	Security	User can access only their personal information and not that of other users. Authentication and authorization are to be done properly through the application. The Verification code is required for entering the app.
NFR-3	Reliability	The average time of failure shall be 7 days. Application can offer you to stay focused on your diet plan every day.
NFR-4	Performance	The results have to be shown within 10 min and the notification will be arrived. Performance of the application should be high enough to maintain the user in the application and also to get new users.

NFR-5	Availability	The dietician shall be available to users 24 hours a day, 7 days a week. The application should be as much as scalable, in order to increase the number of users based on their interest.
NFR-6	Scalability	Supports various food items but not the junk food . The application should be as much as scalable, in order to increase the number of users based on their interest.

