

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

Date	15 October 2022
Team ID	PNT2022TMID21516
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 LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Authentication	Verify by sending email notification when user tries to login to the system
FR-4	User Interface	User shall upload images in the link
FR-5	Navigation	User shall be able to move from one page to another
FR-6	Updation	User shall be able to upload all the food images
FR-7	Design	The application will looks simple and aesthetic which makes user friendly to work upon with.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User can easily upload the image by tapping a button with a picture of a magnifying glass may open a search bar.
NFR-2	Security	An application may not grant access until the user creates a strong password. After a certain number of login attempts, a security system may lock an account to protect a user's information
NFR-3	Reliability	The system shall perform without failure in 95% of use cases.
NFR-4	Performance	The image details will be retrieved within few seconds.
NFR-5	Availability	Application will be available by 99% of time
NFR-6	Scalability	The system shall support 100+ users at same time