

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

Date	03 October 2022
Team ID	PNT2022TMID03894
Project Name	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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Capturing image	Capture the image of the food and check the nutrients present.
FR-4	Image Processing	Upload the image for the calorie tracking in food.
FR-5	Nutrients identification	Identify the nutrients and track the calories in daily intake of food.
FR-6	Image description	Suggest calorie reduction exercises and diet plan based on the calories calculated.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Datasets of the food items for which the calorie detection and health tracking.
NFR-2	Security	The information about the food items and the user are secured highly.
NFR-3	Reliability	The nature of food and ingredients of food is important for calorie calculation.
NFR-4	Performance	The performance is based on the food items for healthy diet and calorie calculation.
NFR-5	Availability	It is available for all the user to calculate diet and follow a healthy diet.
NFR-6	Scalability	Increasing the calorie calculation and to suggest a healthy diet based on food items that are taken on a daily basis.