

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

Date	03 October 2022
Team ID	PNT2022TMID43434
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	Input Image	User uploads the image of any food item
FR-4	Image pre-processing	After uploading the image from the user, the image is pre-processed, trained and tested
FR-5	Image identification	When the train and test are over, the input image is identified
FR-6	Image Description	When the image is identification, description and nutritional values are identified.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Datasets of all the food items can be used.
NFR-2	Security	Input image from the user will be more secure
NFR-3	Reliability	Input image quality is more important for the prediction of the image
NFR-4	Performance	When the image is more clear, the performance will also be more accurate
NFR-5	Availability	It is available for all the user after registering, but some features are only for subscribers
NFR-6	Scalability	Increasing the identification of the input image