

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

Date	03 October 2022
Team ID	PNT2022TMID00642
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 Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User Selection	Usage of good quality images Select the image to be classified
FR-4	User Input	Upload image as jpeg Upload image as png
FR-5	Save Image	Images are saved in uploads folder
FR-6	Report Generation	Get the nutrition data of the fruit

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	An user friendly and simple AI application. Classification of fruits with the help of AI.
NFR-2	Security	User's data cannot be accessed by unauthorised people
NFR-3	Reliability	Accurate Results and easy to use.
NFR-4	Performance	Quick classification of fruits and shows the accurate values of nutrition.
NFR-5	Availability	Anyone can access
NFR-6	Scalability	Performance will not be affected even though it is used by many users.