

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

Date	15 October 2022
Team ID	PNT2022TMID32374
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

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 Login	Give the login ID Give the password that is created during registration
FR-4	Dataset	Uploading the dataset consists of variety of fruit images
FR-5	Image Input	Analysing the image input provided by the user
FR-6	Process	Testing the image by various convolution layers
FR-7	Result	The nutrient content in the particular fruit is displayed

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	The ways in which the system will accessible to users with particular or non standard accessibility requirements
NFR-2	Security	Extend to which data needs to be protected and kept confidential.
NFR-3	Capacity	Ability to continue to function well as it changes in according to input that we give.
NFR-4	Performance	Fast response is achieved.
NFR-5	Availability	The minimum proportion of time given in online service hours that the service should be available.
NFR-6	Scalability	Ability of the application to handle an increase in workload without performance degradation, or its ability to quickly enlarge.