

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

Date	15 October 2022
Team ID	PNT2022TMID04836
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 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	Analyzing 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	<b>Usability</b>	The ways in which the system will accessible to users with particular or non-standard accessibility Requirements
NFR-2	<b>Security</b>	Extend to which data needs to be protected and kept confidential.
NFR-3	<b>Capacity</b>	Ability to continue to function well as it changes in according to input that we give.
NFR-4	<b>Performance</b>	Fast response is achieved.
NFR-5	<b>Availability</b>	The minimum proportion of time given in online service hours that the service should be available.
NFR-6	<b>Scalability</b>	Ability of the application to handle an increase in workload without performance degradation, or its ability to quickly enlarge.