

Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	16 October 2022
Team ID	PNT2022TMID35928
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 Interface	Intuitive and easy to navigate
FR-4	Business Model	Freemium Model
FR-4	Dataset Collection	Daily intake of calories and food physical activities
FR-5	Training and Testing	Providing necessary information with great accuracy

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Measure Calorie Intake
NFR-2	Security	Minimum amount of food necessary for energy requirements will be considered and proper confidentiality standards will met to prevent data leakage
NFR-3	Reliability	The model should predict with great accuracy the number of calories present in a fruit
NFR-4	Performance	The images captured should be fed into the model to provide the required information of amount of calories
NFR-5	Availability	Compatible as both web apps and native apps
NFR-6	Scalability	Extend to different types of nutrients