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

Date	15 October 2022
Team ID	PNT2022TMID37845
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 details**	Users are required to register their personal details. like name, age, weight, height, Diseases, body condition and etc.
FR-4	**User requirements**	The user simply inputs food image. The software will instantly generate an accurate reading of the based on the nutrition analysis in a readable format familiar to the consumer. It compares the information already given and states the nutrients and deficiencies in that food .

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Efficient for the frequent users.users can easily understand what the application does and feel satisfied with the system.
NFR-2	**Security**	• AI powered nutrition analyzer for fitness should contain more security in which our data which entered or maintained should be more security. • With the help of the username and password it provides more security in which it can access more securable and the data are private
NFR-3	**Reliability**	This application must perform without failure in 95 percent of use cases during a month.
NFR-4	**Performance**	This application supporting 1,000 users per hour must provide 6 seconds or less response time in a desktop browser, including the rendering of text and images, over an LTE connection.
NFR-5	**Availability**	The web dashboard must be available to user's 99.9 percent of the time every month during business hours EST. Users can access every time.
NFR-6	**Scalability**	The application must be scalable enough to support 10,000 visits at the same time while maintaining optimal performance