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

Date	03 October 2022
Team ID	PNT2022TMID28535
Project Name	Project - 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	Using a Web application form or Phone number or Gmail for Registration
FR-2	User Confirmation	Confirmation via E-mail or Confirmation via OTP
FR-3	User Details	Submitting a registration form
FR-4	Server Calculation	Computing user information Example: Age, Height, and Weight
FR-5	Server notification	The server will provide notifications based on your intake of food and water.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	Efficient for a large user base. Users are delighted with the system since they can quickly comprehend what the application does.
NFR-2	Security	Provides assurance that any data inside the system will be secure against malware assaults and illegal access. In the face of attacks, this application must maintain its resilience. The application's behaviour will be accurate and predictable.
NFR-3	Reliability	During a month, this application must run flawlessly in 95% of use scenarios. Trusted details from server
NFR-4	Performance	Using the provided data, they determine their nutritional status and will accompany over all day. Less Response time recorded.
NFR-5	Availability	Users an access every time. Email and chat-bot accessible

NFR-6	**Scalability**	The application must be scalable enough to accommodate 10,000 concurrent visitors while still performing at its best. Each Customer must Receive a Healthy Life and the right diet maintenance based on Calorie prediction.