

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

Date	03 October 2022
Team ID	PNT2022TMID27902
Project Name	AI – Powered Nutrition Analyzer for Fitness Enthusiast
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	Upload specifications	Upload datas like height, weight and calorie intake
FR-4	Intake	Organizes a chart for our intakes
FR-5	Calculations	Calorie intake are calculated.
FR-6	Log out	Log out / sign out.

**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 proposed system gives good results.
NFR-2	<b>Security</b>	Only authorized people can access the system data and modify the database.
NFR-3	<b>Reliability</b>	The Database is frequently updated with our proper diet.
NFR-4	<b>Performance</b>	The proposed system is advantageous as it uses fewer features to train the neural network, which results in faster convergence.
NFR-5	<b>Availability</b>	The system functionality and services are available for use with all operations.
NFR-6	<b>Scalability</b>	The website traffic limit must be scalable enough to support 2 lakhs users at a time