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

Date	03October 2022
Team ID	PNT2022TMID13691
Project Name	Project – AI-Powered - Nutrition Analyser 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
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Update native language	The preferred language of the user will be changed by the user.
FR-4	Food details collection	Food details are collected through Excel sheet.
FR-5	Nutrition prediction	The nutritional content will be predicted and based on the particular fitness enthusiast , they will consume the food.
FR-6	Recommendation	The diet will recommended based on particular fitness enthusiast.
FR-7	Nutritional Assessment	Every fitness enthusiast should take nutritional assessment to evaluate their nutritiona and calorie intake.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Human factors,overall aesthetics,consistency,and documentation.
NFR-2	**Security**	All networks connections are protected by a firewall,a hardware or software component that prevents unauthorized access to or from a network.
NFR-3	**Reliability**	Frequency and predictability,accuracy, mean time between failures.

NFR-4	**Performance**	Data analysis of their physical health status,an evaluation report,and real-time return to server.
NFR-5	**Availability**	It makes use AI to provide a real-time update about nutrition intake.
NFR-6	**Scalability**	Scaling up of nutrition refer to processes aimed at maximizing the reach and effectiveness of a range of nutrition relevant actions,leading to sustainable impact on nutritional outcomes.