

## Project Design Phase-II

### Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID49871
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

#### Functional Requirements:

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR - 1	Authentication	Email Id or Username Password
FR - 2	Confirmation of authentication	Confirmation via Email Confirmation via OTP
FR - 3	Authorization levels	User Administrator
FR – 4	External Interfaces	Protein Fats Vitamins Dietary Fiber Minerals
FR – 5	Demo	Video Pictures
FR – 6	Reservation	No. of adults No. of children Time period Functional foods are foods that offer health benefits beyond their nutritional value.

FR - 7	Payment	Credit card UPI payment QR scan
FR - 8	Feedback	Feedback through form

### Non-functional Requirements:

NFR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Nutrition is a critical part of health and development.
NFR-2	<b>Security</b>	Is the consistent access, availability and affordability of foods and beverages that promote well-being and prevent disease.
NFR-3	<b>Reliability</b>	Nutrition studies often use inaccurate methodology and suffer from self-recall bias.
NFR-4	<b>Performance</b>	Nutrition can help enhance athletic performance. An active lifestyle and exercise routine, along with eating well, is the best way to stay healthy.
NFR-5	<b>Availability</b>	Nutrient availability as the name suggests, is the available source of nutrients for plant growth and sufficient quantities of food, appropriate quality, supplied through the domestic production or imports, including food aid.
NFR-6	<b>Scalability</b>	Is a unique movement founded on the principle that all people have a right to food and good nutrition and to increase something in size, amount, or production.