

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

Date	27 October 2022
Team ID	PNT2022TMID25087
Project Name	NUTRITION ASSISTANT APPLICATION
Maximum Marks	4 Marks

**Functional Requirements:**

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Usage of Python as a programming language Flask as a Python framework Docker as a software platform IBM cloud as a cloud storage IBM DB2 as a database support
NFR-2	<b>Security</b>	Only authorized users can login to the app which provides high security for nutrition journey

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 Gmail Registration through Form Registration through LinkedIn
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	Diet Plan	can customize based on user needs
FR-4	My Nutrition	Can add or update the existing food plan based on user needs
FR-5	Workout	walking, gym

FR-6	Nutrients Display	Display nutrients through IBM Cloud
FR-7	Consultation	User can get consultation with doctor whenever the user want

### Non-functional Requirements:

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

NFR-3	<b>Reliability</b>	Reliable as it includes accurate BMI calculation and efficient nutrient display.
NFR-4	<b>Performance</b>	Provision of relevant scanning of food and best diet plan which makes the user follow a healthy diet.
NFR-5	<b>Availability</b>	Fitness at your hand makes easy availability with the nutrition ,workout,better lifestyle.
NFR-6	<b>Scalability</b>	The database base can be updated accordingly. The input details can be changed by the authorized user anytime.

