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

Date	01 November 2022
Team ID	PNT2022TMID43019
Project Name	Project – Nutrition Assistant Application
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	User home page	Stores the user uploaded image API will compute the nutritional content and send it to the application.
FR-4	User progress	Taking picture of the food Uploading image from gallery
FR-5	User output	Rich and less nutritional content Suggest to eat Suggest an alternative to the particular ingredient

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	How effectively and easy users can learn and use a system.(To guide a new user easily understands a home page.)
NFR-2	**Security**	System and its data were protected against malware attacks or unauthorized access (using two factor authentication during registration its leads to confirmation from user to get a next page.)
NFR-3	**Reliability**	The system would run without failures for a given period of time under predefined conditions.(There is a less chance to occur any failure, then it has 80% of restoring capability even if the system fails.)
NFR-4	**Performance**	Deals with measure of the system response time under different load conditions (The application takes minimum 2 tom 3 seconds to load a page and predicted result will be displayed within 5 seconds with WIFI OR LTE connection.)

NFR-5	**Availability**	If any of issues occurred in a model the user will receive an alert there is a problem in prediction and the system would get back 5 to 10 minutes. The system will be available during other times.
NFR-6	**Scalability**	The system is scalable, more than 10,00,000 of customer can use the application at same time.