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

Date	15 October 2022
Team ID	PNT2022TMID10936
Project Name	AI-powered Nutrition Analyzer 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 Gmail Registration through Phone Number
FR-2	User Confirmation	Confirmation via Email Confirmation via OTP
FR-3	User details storage	Storing user details via database
FR-4	User Scanning fruits image	Uploading images of fruits via camera
FR-5	Recognize the fruits	Based on the shapes, colours and textures the fruits are classified
FR-6	Predicting the nutrition in fruits	Using the datasets the nutritions are analyzed

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	Usability	User can analyse the amount of nutrition like sugar, fibre, calories and protein in fruits.
NFR-2	Security	It provides a secured way for predicting the fruits and maintains the data.
NFR-3	Reliability	Almost the nutrition of fruits are reliable.
NFR-4	Performance	Checking whether the fruits and their nutritions are predicted correctly or not.
NFR-5	Availability	It will be available for any time.
NFR-6	Scalability	The software will predict the accurate solution based on the trained data.