Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	03 October 2022
Team ID	PNT2022TMID38600
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.No-1	**User Registration/Login**	Register After Opening The Application
Fr.No-2	**User Detail**	Provide Detail About Health Status After Registration By Selecting And Specify About It
Fr.No-3	**Capturing Image**	Capture The Image And Check The Parameters Of The Captured Image
Fr.No-4	**Image Processing**	Upload The Image For Processing
Fr.No-5	**Image Identification**	Identify The Food Or Drink Provided In The Image.
Fr.No-6	**Image Description**	Provide The Nutritional Contents Of The Food Or Drink Identified.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
Fr.No-1	**Usability**	Dataset Of All Food/Drink To Identify The Nutritional Content Of The Item.
Fr.No-2	**Security**	The Information And The Health Status Of User And Nutritional Details About Food Are Secured Highly.
Fr.No-3	**Reliability**	The Image Quality Is Important To Provide The Nutritional Details About Food
Fr.No-4	**Performance**	Performance Is Based On The Food That Is Scanned.
Fr.No-5	**Availability**	It Is Available For All The User To Detect The Nutritional Details About Food / Drink.
Fr.No-6	**Scalability**	Increase The Prediction Of Nutritional Details In The Food.