PROJECT   DESIGN PHASE _ II

SOLUTION REQUIRMENTS

DATE	14 OCTOBER 2022
PROJECT ID	PNT2022TMID33582
PROJECT NAME	AI- Powered Nutrition Analyzer for Fitness Enthusiasts

SOLUTION REQUIREMENTS :

FUNCTION REQUIREMENTS :

Following are the functional requirements of the proposed solution.

Fr.no	Functional requirement	Sub requirement (story/subtask)
Fr-1	User registration	In this we have to registration through the form in websites and registration through Gmail.
Fr-2	User confirmation	After we have to confirmation through the OTP in Email or normal sms.
Fr-3	Capturing image	Capture the image of the food and check the nutrition level of the captured image .
Fr-4	Image processing	Upload the image for the prediction of the nutrition in food.
Fr-5	Nutrition identification	Identify the nutrition and predict the nutrition level in food
Fr-6	Image description	Suggesting to help better understand and predict the complex and non-linear interactions between nutrition –related data and health outcomes.

NON- FUNCTIONAL REQUIREMENT :

Following are the non – functional requirement of the proposed solution.

Nfr.no	Non-functional requirement	Description
Nfr-1	Usability	It's all about healthy diet.
Nfr-2	Security	The information belongs to the user and food are secured.And also had been the concern of many healthcare conventions.
Nfr-3	Reliability	The food quality is very important for the predicting the nutritioin level in food.
Nfr-4	Performance	The data to its users and becoming a leading plaltform to performance is based on the quality of the food for diet prediction.
Nfr-5	Availability	It is available for all user to predict the nutrition in the food and maintain diet.
Nfr-6	scalability	To analyse the current AI in nutrients sciences.Increasing the number of prediction of the nutrition and diet in the food.