Ideation phase

Define the problem statements

Date	12 October 2022
Team id	PNT2022TMID37915
Project name	AI Powered Nutrition Analyst for Fitness Enthusiasts
Maximum marks	2 marks

Problem statement:

Food is essential for human life and has been the concern of many health care conventions. Nowadays new dictary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition pattern and maintain a healthy diet. Nutrition analysis is the process of determining the nutritional content of food. It is a vital part of analytical chemistry that provides information about the chemical composition, processing, quality control and contamination of food.

The main aim of the project is to building a model which is used for classifying the first depends on the different characteristics like color, shape, texture etc. Here user can capture the image of different fruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on the fruits like (sugar, fiber, protein, coloristic.).

As the world grows more fitness-conscious with passing time, the demand for technological solution to cater to this burgeoning demand is diversifying. Lately, a number of startups in India and worldwide are using predicate analytics artificial intelligence and natural language processing to help scores of fitness enthusiasts to track and monitor their nutrition and calorie intake.

I'm	The fitness Analyst, who is in need of an assistant to choose to my best food for my health based on nutrition.
I'm trying to	Use the recent technologies to check the nutrition of fruits and choose my consumption based on it.
But	I'm unaware of the existing technology that can help me to guess the nutrition of various fruits for the given input.
Because	I don't want to make any wrong decision about nutrition.
Which makes me feel	I'm not capable of choosing the right good for the maintenance of my health, thus leading a healthy life.