Ideation phase

Problem statement

Date	6 October 2022
Team id	PNT2022TMID46481
Project name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum mark	2 marks

I am	Nutrition can help enhance athletic performance. An active lifestyle and exercise routine, along with eating well, is the best way to stay healthy. Eating a good diet can help provide the energy you need to finish a race, or just enjoy a casual sport or activity.
I'm trying to	Nowadays new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. Nutritional analysis is the process of determining the nutritional content of food.

But ,	I am unaware of the existing technology that can help me a lot to predict the complex and-linear
	interactions between nutrition-related data and health outcomes.
Because	I don't want to it brings high possibilities of errors that ultimately lead to time and money wastage with no beneficial outcomes.
Which makes me feel	I'm not capable of predicted that personalized nutrition would grow faster through programs, testing kits, and apps at 15%.

Problem statement :

Food is essential for human life and has been the concern of many healthcare conventions. Nowadays new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. Nutritional 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 fruit depends on the different characteristics

like colour, shape, texture etc. Here the user can capture the images 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, Fibre, Protein, Calories, etc.).