

Ideation Phase

Problem Statement

Date	19 th October 2022
Team ID	PNT2022TMID51536
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	2 Marks

Problem Statement

In day-to-day life, either insufficient or plentiful intake of nutrients results in nutritional imbalance in our health leading to various diseases. In India, because of unhealthy food, most young people are dying due to obesity, type 2 diabetes, heart disease, high blood pressure, and stroke. Nutritional Analysis ensures that the food has optimal requirement of vitamins and minerals wherein the examining of nutrition in food helps in understanding about the fat proportion, carbohydrates dilution, proteins, fiber, sugar, etc. The main aim of the project is to building a model which is used for classifying the fruit depending on different characteristics like colour, shape, texture etc. Here, the user can capture the images of different fruits and then the image will be sent to the trained model. The model analyses it and detect the nutrition based on the fruits like Sugar, Fibre, Protein, Calories, etc..



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Fitness enthusiasts	Build a nutrition analyzer	Analyzing nutritional contents manually is a difficult task	Information about the chemical composition, processing quality control and contamination of the fruits is the root cause of the problem	AI-powered Nutrition Analyzer for Fitness Enthusiasts