

Ideation Phase Define the Problem Statements

Date	17 October 2022
Team ID	PNT2022TMID13870
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	2 Marks

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 maintaining 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 build a model which is used for classifying the fruit depending 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 to the trained model. The model analyses the image and detects the nutrition based on the fruits like (Sugar, Fiber, Protein, Calories, etc.)

Problem Statement Template:

Problem statement 1:

I am	I am trying to	But	Because	Which makes me feel
Athlete	take right meal, so i have stamina during matches.	I couldn't follow diet plan	i dont have time	Worried

I am	Athlete
I'm trying to	take right meal, so I have stamina during matches.
But	I couldn't follow diet plan
Because	I don't have time
Which makes me feel	Worried

Problem statement 2:



I am	Obese Patient
I'm trying to	Lose weight and maintain balanced diet
But	I couldn't lose weight
Because	I couldn't stop eating junks
Which makes me feel	frustrated