

IDEATION PHASE

Define the Problem Statement

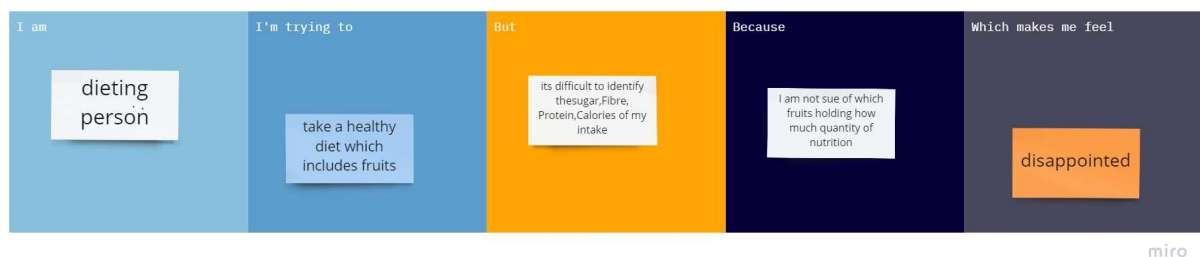
Date	16 October 2022
Team ID	PNT-202022TMID28541
Project Name	Project -AI - Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

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 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.

Example:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	dieting person	take a healthy diet which includes fruits	its difficult to identify the sugar, Fibre, Protein, Calories Content of my intake	I am not sure of which fruits holding how much quantity of nutrition	disappointed

PS-2					
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