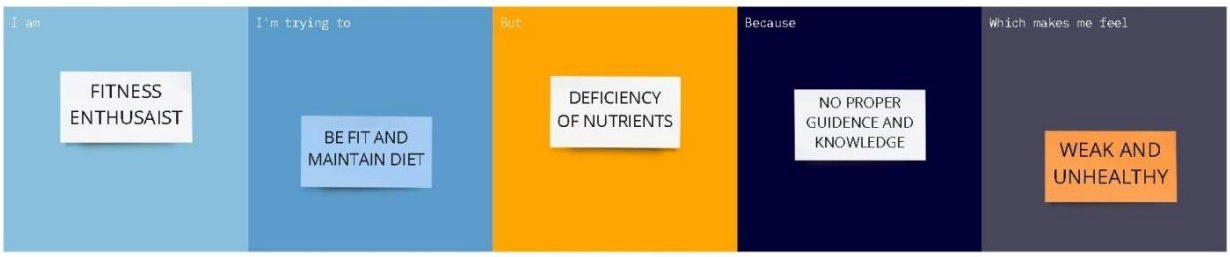
Ideation Phase
Define the Problem Statements

Date	21 November 2022
Team ID	PNT2022TMID04153
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2 Marks

Customer Problem Statement Template:

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.).



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	FITNESS ENTHUSAIST	BE FIT AND MAINTAIN DIET	DEFICIENCY OF NUTRIENTS	NO PROPER GUIDENCE AND KNOWLEDGE	WEAK AND UNHEALTHY
PS-2	FIT PEOPLE	MAINTAIN PHYSIQUE	TAKEN UNEVEN CALORIE FOOD	UNAWARE OF FOODS NUTRITION FACTS	USELESS