

## Ideation Phase

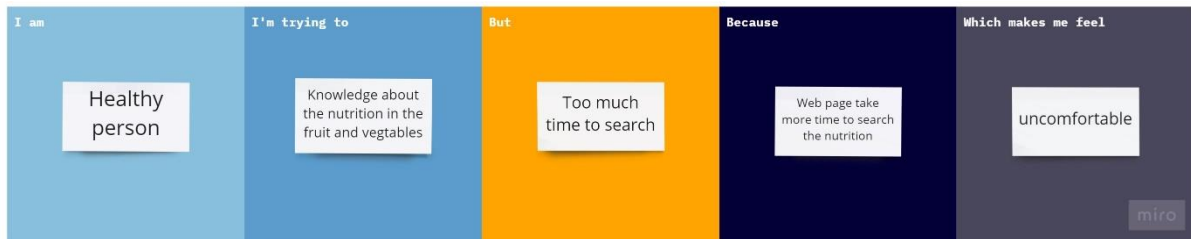
### Define the Problem Statements

Date	19 October 2022
Team ID	PNT2022TMID18684
Project Name	AI-Powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	2 Marks

#### Problem Statement Template:

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.. High-Calorie food intake can be harmful and result in obesity, which is a preventable medical condition that causes abnormal accumulation of fat in the body. It can result in numerous diseases such as obesity, diabetes, cholesterol, heart attacks, blood pressure, and other diet-related ailments. In order to deal with such problems, people are inclined towards making a difference in their diet plans by paying more attention to what type of food they are consuming. Diet management is a key concern among individuals belonging to different age groups. However, one major challenge in diet management is maintaining a balance between what one eats and how one monitors his/her food consumption. The immense increase in ailments such as high cholesterol, blood pressure, strokes, etc. demands nutritional and diet management for which people resort to expensive nutrition therapies. 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 Template:



Problem Statement (PS)	I am (Customer)	I'm trying to	But	Because	Which makes me feel
PS-1	Healthy person	Knowledge about the nutritions in the fruits and vegetables	Too much time to search	Web page take more time to search the nutrition	uncomfortable
PS-2	Unhealthy person	Find the nutrition in the fruit and vegetables to capture the image	quality of the image leads to incorrect prediction of the nutritions	Web page take more time to search the nutrition	unhealthy