

Ideation Phase
Define the problem Statements

| | |
|---------------|-------------------------------|
| Date | 11 October 2022 |
| Team ID | PNT2022TMID14614 |
| Project Name | AI Powered Nutrition Analyzer |
| Maximum Marks | 2 Marks |

Problem Statement:

- 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 food which depends on the different characteristics like color, shape, texture etc. Here the user can capture the images of different foods and then the image will be sent to the trained model. The model analyses the image and detect the nutrition content based on the food like (Fruits ,Vegetables ,Rice ,Wheat, e.t.c.).

| | |
|---------------------|---|
| I am | An fitness enthusiast, who needs guidance in following certain suitable diet plans. |
| I'm trying to | Use recent technologies to build a model for analyzing the nutrition present in the food through images as input. |
| But | I am not sure about the calories and vitamins present in the food actually. |
| Because | Each source gives different composition of nutrients in foods. |
| Which makes me feel | I am not able to intake the nutrients in measurable quantities that my body wants for leading life healthier. |