

Team ID	LTVIP2025TMIDS67751
Project Name	AI-powered nutrition analyzer for fitness enthusiasts

OBJECTIVE:

- The main aim of Food is 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 essential for life and has been the concern of many healthcare conventions.
- Nowadays new dietary assessment and nutrition analysis tools enable more opportunities 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 project a model which is used for classifying the fruit depends on the different characteristics like colour, shape, is to building 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 image and detect the nutrition based on the fruits like (Sugar, Fibre, Protein, Calories, etc.).