Problem Statement

Team ID	PNT2022TMID23229
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts

Food is important 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. Fitness enthusiasts normally follow their diet plans but they struggle tracking nutritional contents of the food. Fruits are rich in vitamins, fibers, and minerals which makes them easily digestible, but over-consumption will result in weight gain and even diabetes as fruit contains natural sugar. 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.