

Project Objectives

Date	03 November2022
Project Id	PNT2022TMID43935
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

As the world grows more fitness-conscious with passing time, the demand for technological solutions to cater to this burgeoning demand is diversifying. Lately, a number of startups in India and worldwide are using predictive analytics artificial intelligence and natural language processing to help scores offitness enthusiasts to track and monitor their nutrition and calorie intake. Food is essential for human life and has been the concern of many healthcare conventions. Nowadaysnew 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 offood. It is a vital part ofanalytical chemistry that provides information about the chemical composition, processing, quality control and contamination offood. The main aim of the project is to building a model which is usedfor classifying thefruit depends on the different characteristics like colour, shape, texture etc. Here the user can capture the images ofdifferentfruits and then the image will be sent the trained model. The model analyses the image and detect the nutrition based on thefruits like Sugar, Fibre, Protein, Calories, etc.