MOTIVATION

The main motivation behind the web application is that to create a simple nutrition and calories detector for the user by just sending the images of the food. Because in today's people busy lifestyle, they ignore the healthy food habits and attract towards the fast foods even though they are aware of the effects of the fast food for their health. So, Obesity rates are increasing at an alarming speed, and this is reflective of the risks to people's health. People need to control their daily calorie intake by eating healthier foods, which is the most basic method to avoid obesity.

However, although food packaging comes with nutrition (and calorie) labels, it's still not very convenient for people to refer to App-based nutrient dashboard systems which can analyze real-time images of a meal and analyze it for nutritional content which can be very handy and improves the dietary habits, and therefore, helps in maintaining a healthy lifestyle.

So, we are developing this project which aims at building a web Application that automatically estimates food attributes such as ingredients and nutritional value by classifying the input image of food. Our method employs **Clarifai's AI-Driven Food Detection Model** for accurate food identification and Food API's to give the nutritional value of the identified food.