**NUTRITION ASSISTANT APPLICATION**

Cloud application development

**PROBLEM STATEMENT**

**Food detection:**

This project aims at building a web App 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. In addition to that we calculate BMI (Body Mass Index) of the user.This calculation is based on the parameters given as input by the user(user details).

**Meal calendar:**

This project aims at meal planning for each users. That is for each user , a meal plan calendar is made according to the user details. This project does a diet analysis for 1 month. In addition to that,users can alternate food according to their circumstances in a healthy way. Users are notified with their upcoming schedule. In addition to that nutrition coaching programs can be scheduled in an organized way. It could be a well thought out design for easy navigation and tracking user’s data.

**Virtual program:**

This project inputs details from the user and calculate their Body Mass Index.This project conducts nutrition coaching programs. These programs can be scheduled in a suitable way for the user. This app also conducts a virtual nutrition awareness program monthly once.