Project Charter

Project Name	Towards a Healthier Life: Food Library and Recommendations
Anticipated Start Date	29th October, 2018
Anticipated End Date	8th May, 2019
Assigned Project Managers	Pan Jiayao Chen Jialing Ye Fuyin Liu Yibin

Project Description

In this project, we are going to develop an Android application to help people record their food consumed everyday, calculate the nutrition, as well as the energy (in Calorie) has been taken and provide a simple analysis result and recommendation for future recipes. The novel point of this project is that we allow the user by only taking a picture to upload what they eat everyday, instead of manually inserting the food according to catalogue. CNN with tensor flow will be used for image recognition. A large food image library will be built for training purposes.

Project Objectives and goals

The project objective is to develop an Android application to recognize food by only just taking a picture; and as a result, to help people record their food consumed everyday, calculate the nutrition, as well as the energy (in Calorie) has been taken and provide a simple analysis result and recommendation for future food recipes.

Assumptions

The Project can be completed in 5-6 months.
The Project can be completed for less than 1000 CNY.

Technical or Other constraints
Team members are requested to be familiar with machine learning procedures, especially for deep learning (i.e. CNN + tensorflow).
Team members who are familiar with web/Andoid apps development, i.e., UI design, will be preferred.