NALAIYA THIRAN
WEEK 2 REPORT

Phase 2 Description: Ideation Phase (Literature Survey, Empathize, Defining Problem Statement, Ideation)

Team Leader : Lokesh

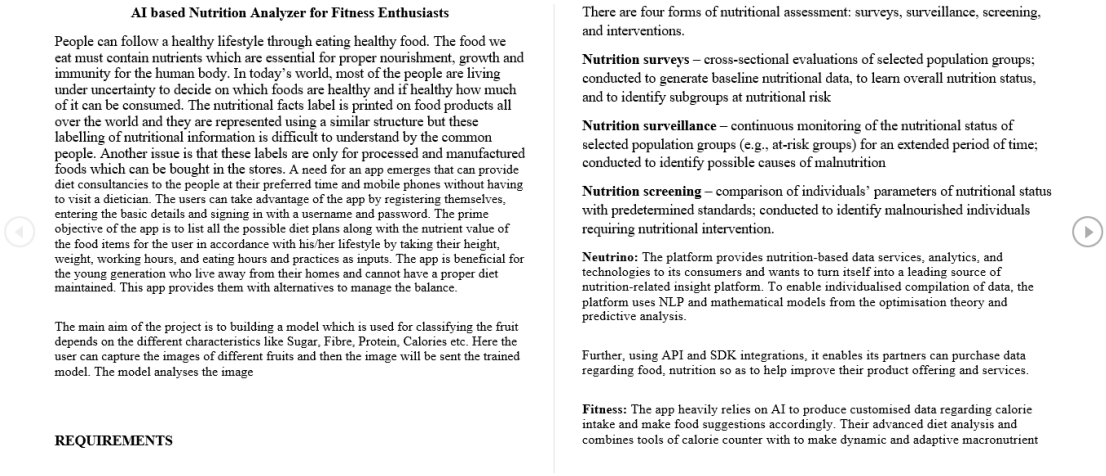
Team member : Saketh Chowdary

Team member : Nitish Gopala Krishna

Team member : Mahendra

Team member : Vishnu Deepak

Activities for Week 2:
2.1 Literature survey on the selected project & Information Gathering



AI based Nutrition Analyzer for Fitness Enthusiasts

People can follow a healthy lifestyle through eating healthy food. The food we eat must contain nutrients which are essential for proper nourishment, growth and immunity for the human body. In today's world, most of the people are living under uncertainty to decide on which foods are healthy and if healthy how much of it can be consumed. The nutritional facts label is printed on food products all over the world and they are represented using a similar structure but these labelling of nutritional information is difficult to understand by the common people. Another issue is that these labels are only for processed and manufactured foods which can be bought in the stores. A need for an app emerges that can provide diet consultancies to the people at their preferred time and mobile phones without having to visit a dietician. The users can take advantage of the app by registering themselves, entering the basic details and signing in with a username and password. The prime objective of the app is to list all the possible diet plans along with the nutrient value of the food items for the user in accordance with his/her lifestyle by taking their height, weight, working hours, and eating hours and practices as inputs. The app is beneficial for the young generation who live away from their homes and cannot have a proper diet maintained. This app provides them with alternatives to manage the balance.

The main aim of the project is to building a model which is used for classifying the fruit depends on the different characteristics like Sugar, Fibre, Protein, Calories 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

REQUIREMENTS

There are four forms of nutritional assessment: surveys, surveillance, screening, and interventions.

Nutrition surveys – cross-sectional evaluations of selected population groups; conducted to generate baseline nutritional data, to learn overall nutrition status, and to identify subgroups at nutritional risk

Nutrition surveillance – continuous monitoring of the nutritional status of selected population groups (e.g., at-risk groups) for an extended period of time; conducted to identify possible causes of malnutrition

Nutrition screening – comparison of individuals' parameters of nutritional status with predetermined standards; conducted to identify malnourished individuals requiring nutritional intervention.

Neutrino: The platform provides nutrition-based data services, analytics, and technologies to its consumers and wants to turn itself into a leading source of nutrition-related insight platform. To enable individualised compilation of data, the platform uses NLP and mathematical models from the optimisation theory and predictive analysis.

Further, using API and SDK integrations, it enables its partners can purchase data regarding food, nutrition so as to help improve their product offering and services.

Fitness: The app heavily relies on AI to produce customised data regarding calorie intake and make food suggestions accordingly. Their advanced diet analysis and combines tools of calorie counter with to make dynamic and adaptive macronutrient

2.2 Attend the technology trainings as per the training calendar

Literature survey has been done with existing models.

Attended technology trainings as per the training calendar.