Sprint Delivery plan

Project Title: AI-powered Nutrition Analyzer for Fitness Enthusiasts
Team ID : PNT2022TMID27210

Sprint 1

Data selection and Image Preprocessing:

In this milestone, we will be improving the image data that suppresses unwilling distortions or enhances some image features important for further processing, although performing some geometric transformations of images like rotation, scaling, translation, etc.The ImageDataGenerator accepts the original data, randomly transforms it, and returns only the new, transformed data.

Timeline: 24 - 29 Oct 2022

Sprint 2

Model Building

Steps to Build a Deep Learning Model

1. Defining the model architecture
2. Configure the learning process
3. Train The Model
4. Save the Model
5. Predictions

Timeline: 31 Oct - 5 Nov 2022

Sprint 3

Application Building

Now that we have trained our model, let us build our flask application which will be running in our local browser with a user interface.In the flask

application, the input parameters are taken from the HTML page These factors are then given to the model to predict the type of food and to know the nutrition content in it. In order to know the nutrition content we will be using an API in this project.

Timeline: 7 - 12 Nov 2022

Sprint 4:

Train The Model On IBM

In this milestone, we will register in the IBM cloud and Train the Model in the cloud.Finally we will build a deep learning model.

Timeline: 14 - 19 Nov 2022