**Sprint Delivery plan**

**Project Title: AI-powered Nutrition Analyzer for Fitness Enthusiasts**

**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

* Deﬁning the model architecture
* Conﬁgure the learning process
* Train The Model
* Save the Model
* 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**