Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	13 November 2022
Team ID	PNT2022TMID36454
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data selection and Image Preprocessing	USN-1	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 originaldata, randomly transforms it, and returns only the new, transformed data.	2	High	Deepika Kavidhanjali LakshmiSindhura Sruthika
Sprint-2	Model Building	USN-1	**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	1	Medium	Deepika Kavidhanjali Lakshmisindhura Sruthika

Sprint-3	Application Building	USN-1	Now that we have trained our model, let us build our flask applicationwhich 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.	2	High	Deepika Kavidhanjali Lakshmisindhura Sruthika
Sprint-4	Train the model on IBM	USN-1	In this milestone, we will register in the IBM cloud and Train the Model in thecloud. Finally we will build a deep learning model.	2	High	Deepika Kavidhanjali Lakshmisindhura Sruthika