

## Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID35778
Project Name	Project - 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	User story	USN-1	A working Professional Mother is unable to evaluate the calorie value in food that they are Consuming.	4	High	Yogeeswar S
Sprint-1	Data sets	USN-2	Collect the image of different food Items and create the dataset	3	Medium	Sowmya J
Sprint-1	Data Preprocessing	USN-3	Process the Image from the dataset	4	High	Nithya U
Sprint-2	Image processing	USN-4	Once images are processed can be constructed for train and test	3	Medium	Rohan G
Sprint-2	Train and Test	USN-5	Apply Image data generator functionality to trainset and test set	2	Medium	Sowmya J
Sprint-2	Import Model	USN-6	Import the model building libraries with CNN algorithm	5	High	Yogeeswar S
Sprint-3	Configure Model	USN-7	Adding dense layer to configure the learning process to train and test the model	3	High	Rohan G
Sprint-3	Webpage Creation	USN-8	Create the HTML web page with python code	4	Medium	Nithya U
Sprint-3	Dashboard Creation	USN-9	It contains the details of predicting criteria and user information.	3	High	Sowmya J

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Application Creation	USN-10	Create the flask application and loading our model by using load model method	3	Medium	Rohan G
Sprint-4	Application Building	USN-11	Routing the HTML Page and Run the Application	4	High	Yogeeswar S
Sprint-4	Train the Model	USN-12	Train the Model on IBM Cloud	5	High	Yogeeswar S

#### Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	11	6 Days	25 Oct 2022	30 Oct 2022		31 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		06 Nov 2022
Sprint-3	10	6 Days	06 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	12	6 Days	12 Nov 2022	18 Nov 2022		18 Nov 2022

#### Velocity:

Sprint 1 Average Velocity =  $11/6 = 1.833$

Sprint 2 Average Velocity =  $10/6 = 1.66$

Sprint 3 Average Velocity =  $10/6 = 1.66$

Sprint 4 Average Velocity =  $12/6 = 2$

Burndown Chart

