

## Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID30252
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	

#### Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Dataset - Collecting images of food items apples,banana, orange, pineapple, watermelon for analysis	3	High	Mohanavel K
Sprint-1	Image Preprocessing	USN-2	Image data augmentation - Increasing the amount of data by generating new data points from existing data	2	Medium	Monisha P S
Sprint-1		USN-3	Image Data Generator Class - Used for getting the input of the original data	2	Medium	Dhivyaa K S
Sprint-1		USN-4	Applying image data generator functionality to trainset and testset	2	Medium	Rajavel A
Sprint-1	Modeling Phase	USN-5	Defining the model architecture - Building the model using deep learning approach and adding CNN layers	4	High	Mohanavel K
Sprint-2		USN-6	Training , saving, testing and predicting the model	4	High	Dhivyaa K S
Sprint-3		USN-7	Database creation for the input classes	3	High	Rajavel A
Sprint-2	Development Phase	USN-8	Home page creation - It shows options of the application	2	Medium	Mohanavel K
Sprint-2		USN-9	User database creation - It contains the details of users	1	Low	Rajavel A
Sprint-2		USN-10	Login and registration page creation - User can register and login through gmail with Id and password	1	Low	Monisha P S
Sprint-3		USN-11	Dashboard creation - Dashboard contains the information of user profile and features of the application	1	Low	Dhivyaa K S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Development Phase	USN-12	User Input Page Creation - It is for the user to feed the input images	1	low	Mohanavel K
Sprint-3		USN-13	Analysis and prediction page creation - It shows the prediction of given user input	3	Medium	Monisha P S
Sprint-3		USN-14	Creation of about us , feedback and rating page – It shows application history and feedback page to users	3	Medium	Dhivyaa K S
Sprint-3	Application Phase	USN-15	Building the python code and importing the flask module into the project	4	Medium	Monisha P S
Sprint-4		USN-16	Create the Flask application and loading the model	4	High	Rajavel A
Sprint-4		USN-17	API integration - Connecting front end and back end and perform routing and run the application	5	High	Dhivyaa K S
Sprint-4	Deployment Phase	USN-18	Cloud deployment – Deployment of application by using IBM cloud	5	High	Mohanavel K
Sprint-4	Testing Phase	USN-19	Functional testing – Checking usability and accessibility	5	High	Monisha P S
Sprint-4		USN-20	Non Functional testing – Checking scalability and performance of the application	5	High	Rajavel A

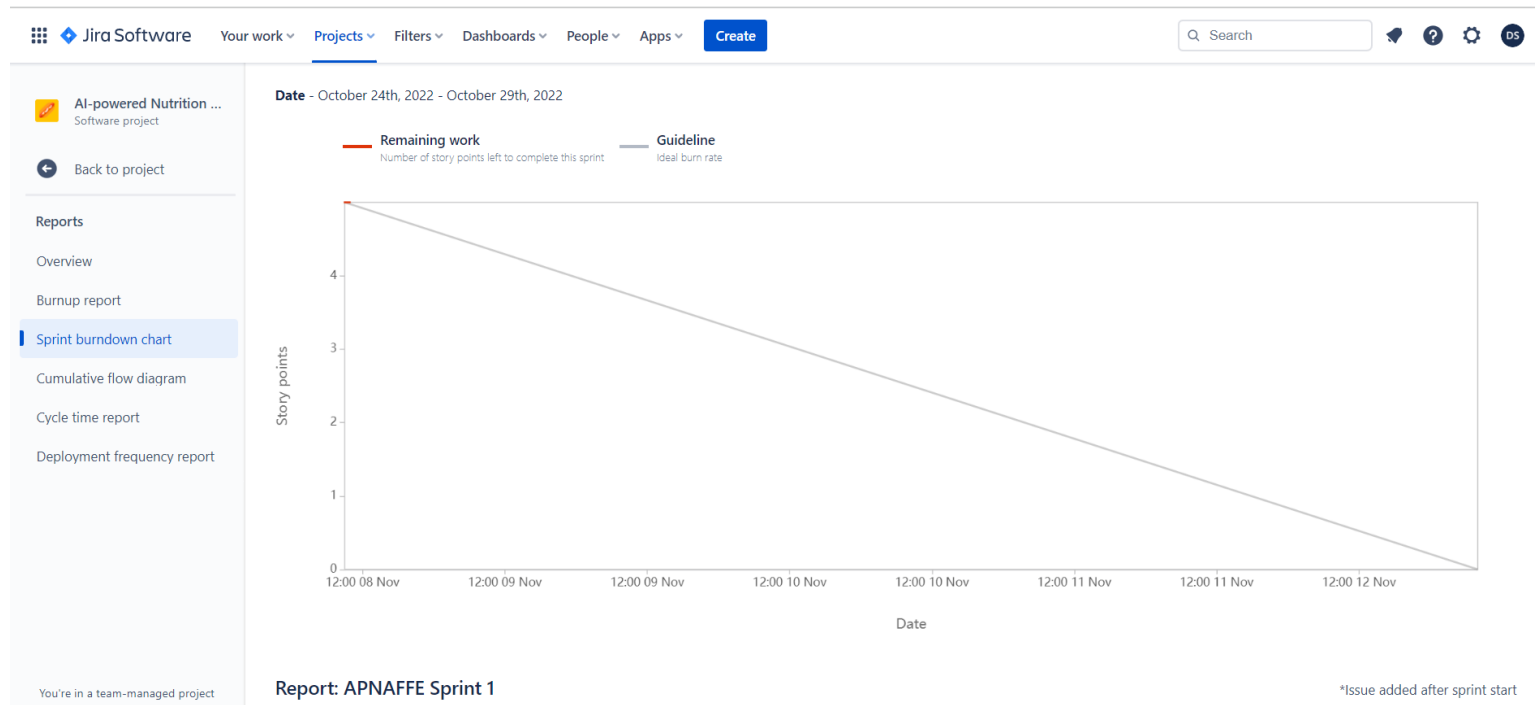
### Project Tracker, Velocity & Burndown Chart:

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	13	6Days	24 Oct 2022	29 Oct 2022		
Sprint-2	08	4 Days	30 Oct 2022	02 Nov 2022		
Sprint-3	15	5 Days	03 Nov 2022	07 Nov 2022		
Sprint-4	24	5 Days	08 Nov 2022	12 Nov 2022		

## Velocity:

$$\text{Average Velocity} = 12/4=3$$

## Burndown Chart:



## RoadMap

