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

Date	5 November 2022
Team ID	PNT2022TMID23771
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-1	Model Creation and Training (Fruits)		Create a model which classify the fruits depends on its features I also need to test the model and deploy it on IBM Cloud.	8	High	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	Model Creation and Training (Fruits)		Model classify it and determine the nutrients present in the images.	12	High	Shunmathi Nivetha, Poojashree, Tamilsanthiya

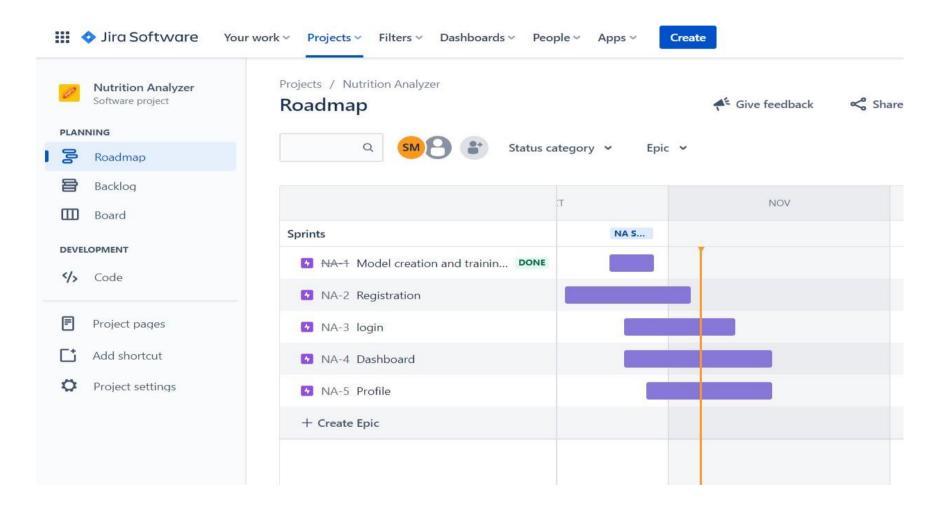| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points (Total)	Priority	Team Members
Sprint-2	Model Creation and Training (Vegetables)		Create a model which classify the fruits depends on its features I also need to test the model and deploy it on IBM Cloud.	6	High	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	Registration	USN-1	As a user, I can register by entering my email, password, and confirming my password or via OAuth API	3	Medium	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	Upload page	USN-2	As a user, I will be redirected to a page where I can upload my pictures of fruits	4	High	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	Suggestion results	USN-3	As a user, I can view the results and then obtain the information provided by the ML model	4	High	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	Base Flask App		A base Flask web app must be created as an interface for the ML model	3	High	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
Sprint-3	Login	USN-4	As a user/admin, I can log into the application by entering email & password	2	High	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	User Dashboard	USN-5	As a user, I can view the previous results and history	3	Medium	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
	Integration		Integrate Flask, CNN model	5	Medium	Shunmathi, Nivetha, Poojashree, Tamilsanthiya.

Sprint-4	Dashboard (Admin)	USN-6	As a logged in user, I want be able to add mealsand have a over all view of what I am eating	2	Medium	Shunmathi, Nivetha, Poojashree, Tamilsanthiya
			As a user, I want a link to a weekly summary	2	Low	Shunmathi, Nivetha, Poojashree, Tamilsanthiya

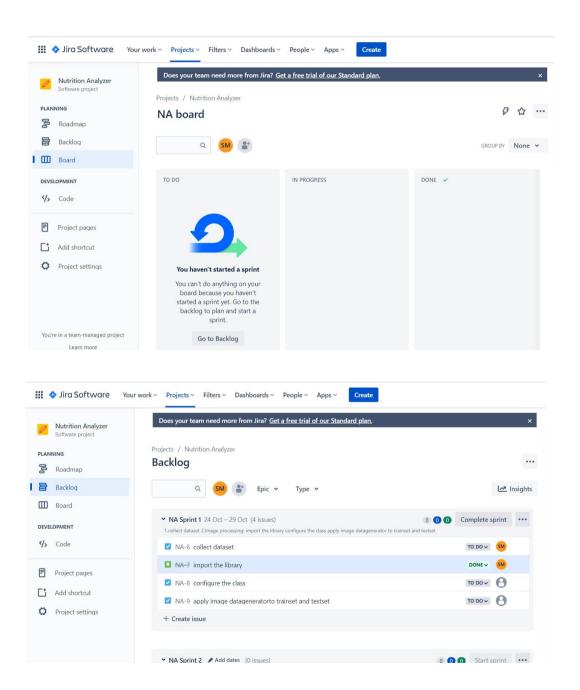## Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20(in process)	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20(in process)	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20(in process)	19 Nov 2022

NOTE: Burndown charts, Velocity to be updated dynamically after end of sprints
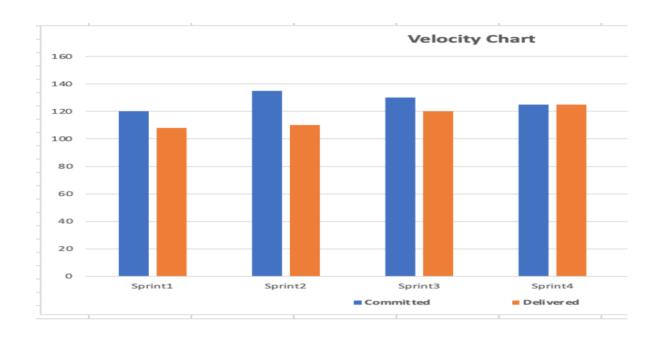
Roadmap:

Screenshots:

Velocity chart:

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.