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

Date	18 October 2022
Team ID	PNT2022TMID53113
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	Registration	USN-1	I can register for the application by entering my email, password, and confirming my password.	3	High	Sushaanth
Sprint-1		USN-2	I will receive confirmation email once I have registered for the application	2	High	Sandeep
Sprint-1		USN-3	I can register for the application through a mobile number.	2	Medium	Rahul
Sprint-1		USN-4	I will receive confirmation by sms once I have registered for the application	2	Medium	Sharvesh
Sprint-2	Login	USN-5	I can log into the application by entering email & password	1	High	Rahul
Sprint-2	Dashboard	USN-6	I can navigate through the dashboard and be able to enter the input image via camera or the gallery.	2	Medium	Sushaanth, Sharvesh
Sprint-2	Model	USN-7	I can classify fruits using real time images.	5	High	Sandeep, Sushaanth, Rahul, Sharvesh
Sprint-3	API	USN-8	I can get the nutritional information of the fruit.	4	High	Rahul, Sandeep, Sushaanth

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-9	I can get application reviews from the customers.	1	Low	Sushaanth
Sprint-1		USN-10	I can test the user interface features.	2	Medium	Sandeep
Sprint-2		USN-11	I can test the model used for classification.	3	High	Sushaanth
Sprint-3		USN-12	I can test the API which contains the nutritional data.	2	HIgh	Sharvesh
Sprint-4		USN-13	I can test the integration of the UI, model and the API.	3	High	Rahul
Sprint-4	Update the application	USN-14	I can update the model and resolve any technical glitches.	2	Low	Sandeep, Sharvesh

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	11	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	11	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	6	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	6	19 Nov 2022

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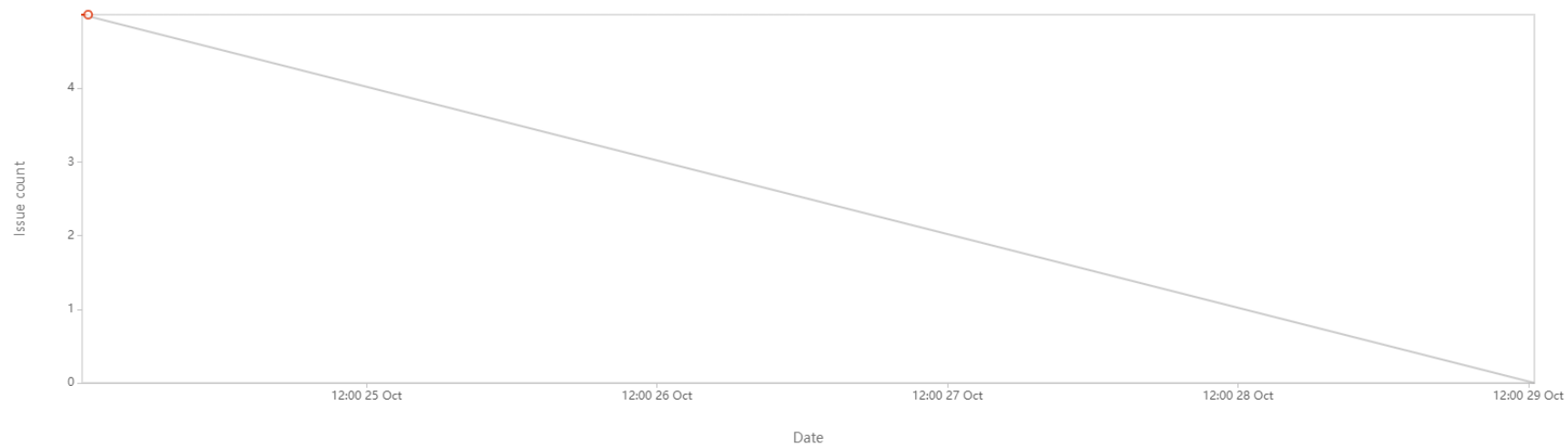
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

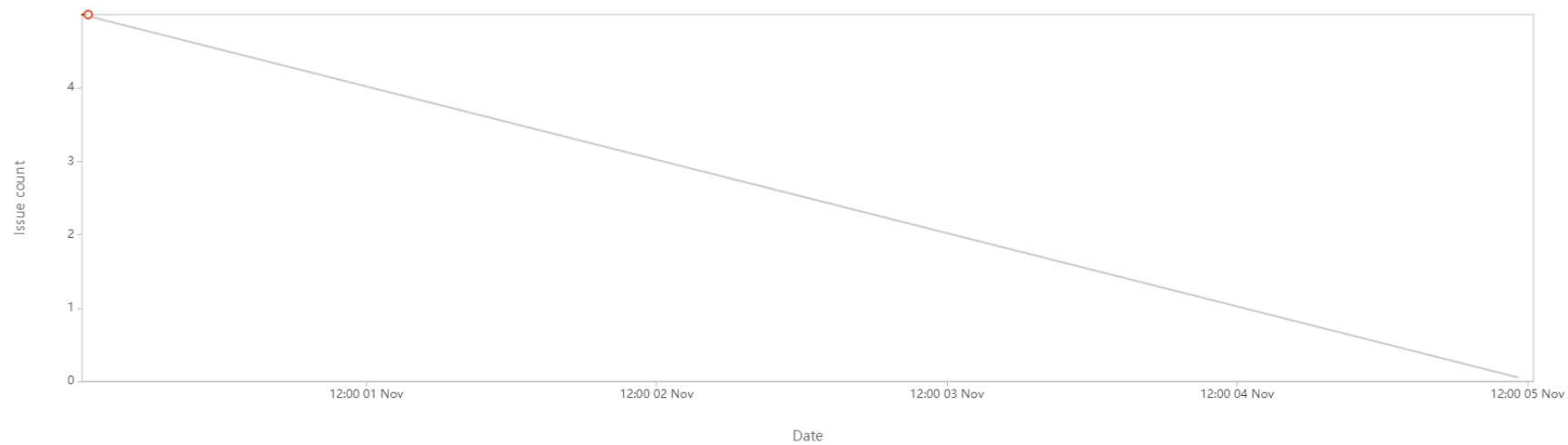| Sprint	Average Velocity
Sprint-1	1.8
Sprint-2	1.8
Sprint-3	1
Sprint-4	1

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.
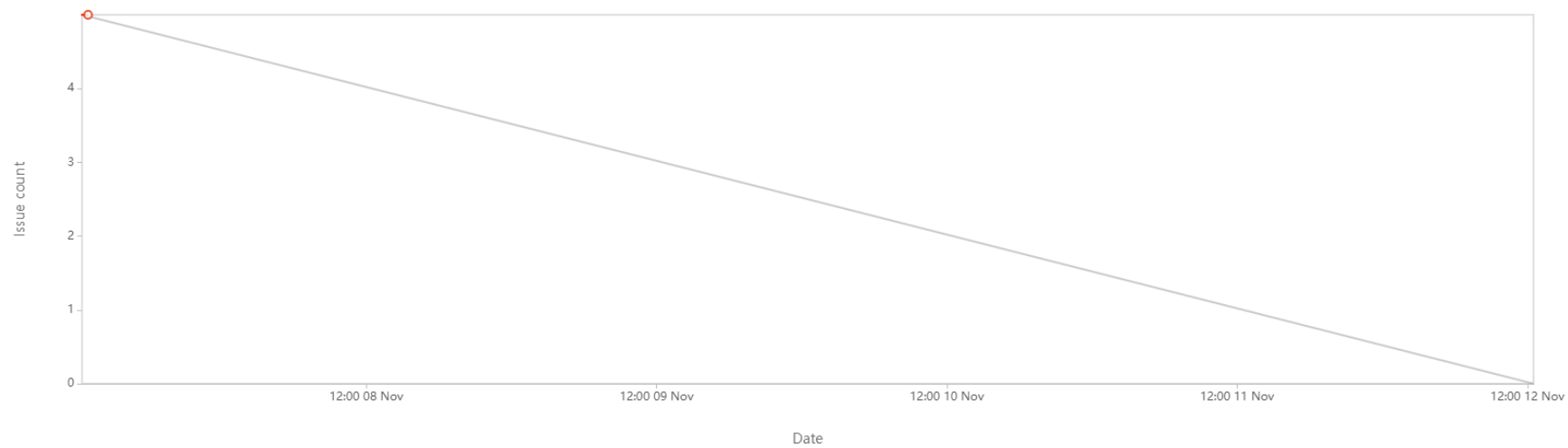
Burndown Chart - Sprint 1

Issue count

12:00 25 Oct   12:00 26 Oct   12:00 27 Oct   12:00 28 Oct   12:00 29 Oct

Date

Burndown Chart - Sprint 2

Issue count

12:00 01 Nov   12:00 02 Nov   12:00 03 Nov   12:00 04 Nov   12:00 05 Nov

Date

Burndown Chart - Sprint 3

Burndown Chart - Sprint 4