

## PROJECT PLANNING PHASE

### Project Planning(Product Backlog, Sprint Planning, Stories, Story Points)

Date	27th October 2022
Team ID	PNT2022TMID04942
Project Name	Retail Store Stock Inventory Analytics
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	The dataset is collected and the understanding is done.	2	High	Harini S Dessika D Aarthu M Asvitha S
Sprint-1	Data Preparation	USN-2	As a user, I am able to view the accurate analytics of data.	3	High	Harini S Dessika D Aarthu M Asvitha S
Sprint-2	Data Exploration	USN-3	As a user, I can view the visualized data to get the better understanding about the sales, stock, revenue and price.	8	High	Harini S Dessika D Aarthu M Asvitha S

<b>Sprint-3</b>	Dashboard Creation	USN-4	As a user, I can view the different visualization in the dashboard.	8	High	Harini S Dessika D Aarthy M Asvitha S
<b>Sprint-4</b>	Report Creation	USN-5	As a user, I can view the detailed report of the sales, stock, revenue and price. The user can get the report of the particular data.	8	High	Harini S Dessika D Aarthy M Asvitha S
<b>Sprint-4</b>	Story Creation	USN-6	As a user, I can view the story to get the better understanding of the sales, stock, revenue and price. The user can make decisions based on the story.	8	High	Harini S Dessika D Aarthy M Asvitha S

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
<b>Sprint -1</b>	5	3 Days	05 Nov 2022	08 Nov 2022	5	08 Nov 2022
<b>Sprint -2</b>	8	3 Days	09 Nov 2022	12 Nov 2022	8	12 Nov 2022
<b>Sprint -3</b>	8	3 Days	13 Nov 2022	16 Nov 2022	8	16 Nov 2022
<b>Sprint -4</b>	16	2 Days	17 Nov 2022	19 Nov 2022	16	19 Nov 2022

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

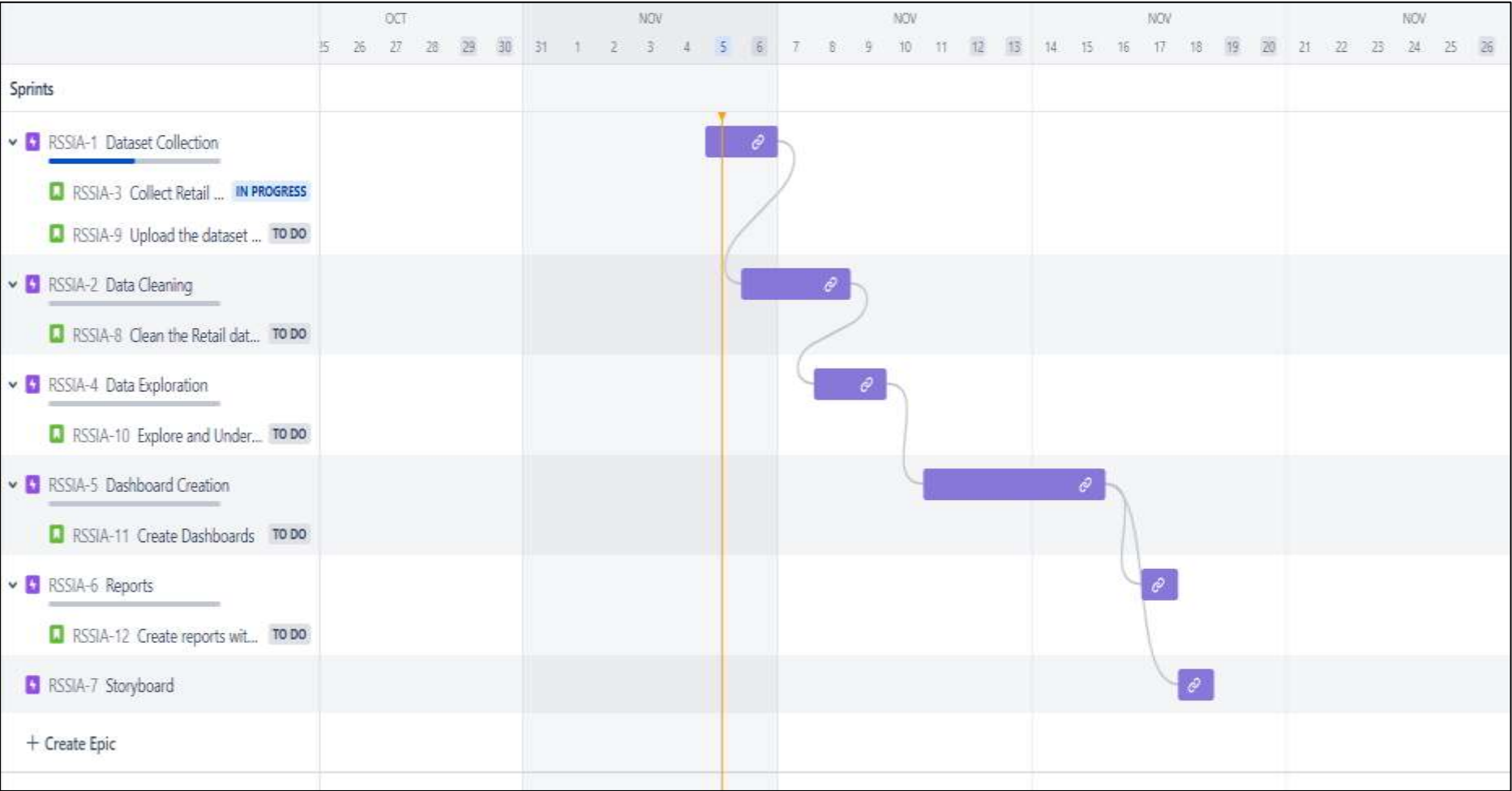
#### Velocity:

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).

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

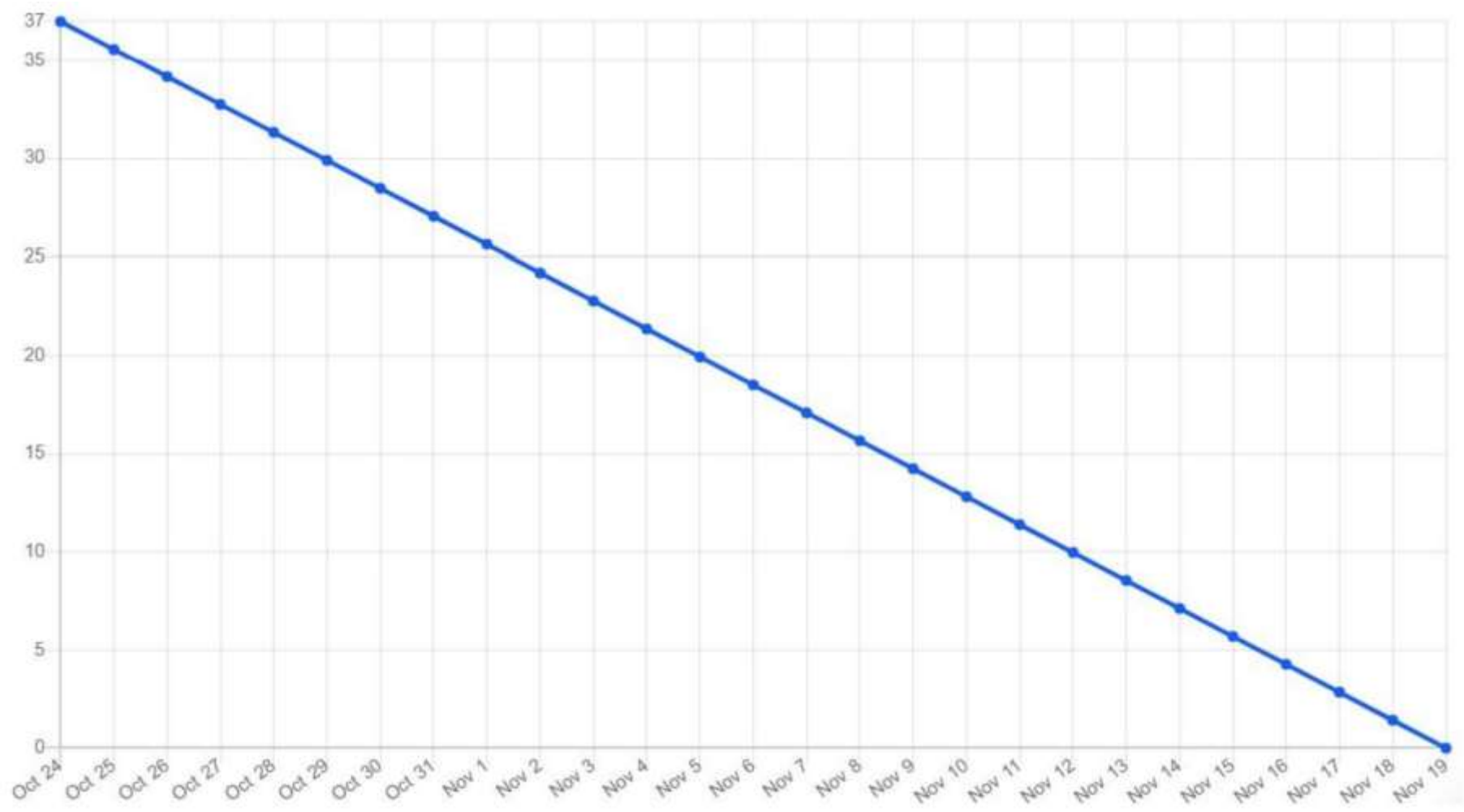
Sprint	Story Points	Duration	Average Velocity
Sprint-1	5	3	1.66
Sprint-2	8	3	2.66
Sprint-3	8	3	2.66
Sprint-4	16	2	8.0
Total	37	11	3.36

Jira Project Planning:

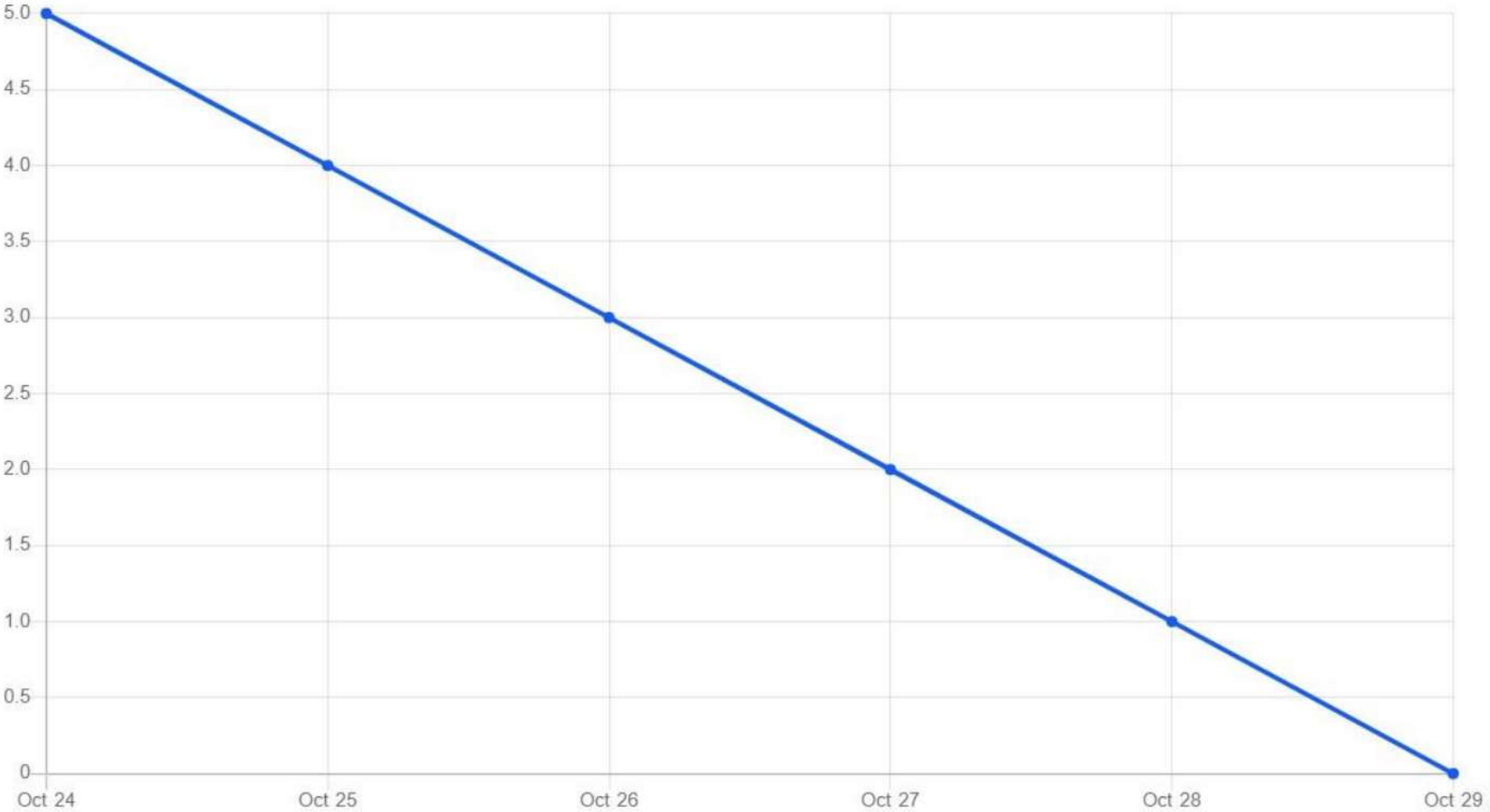


**Burn Down Chart:**

**Overall Burndown Chart:**



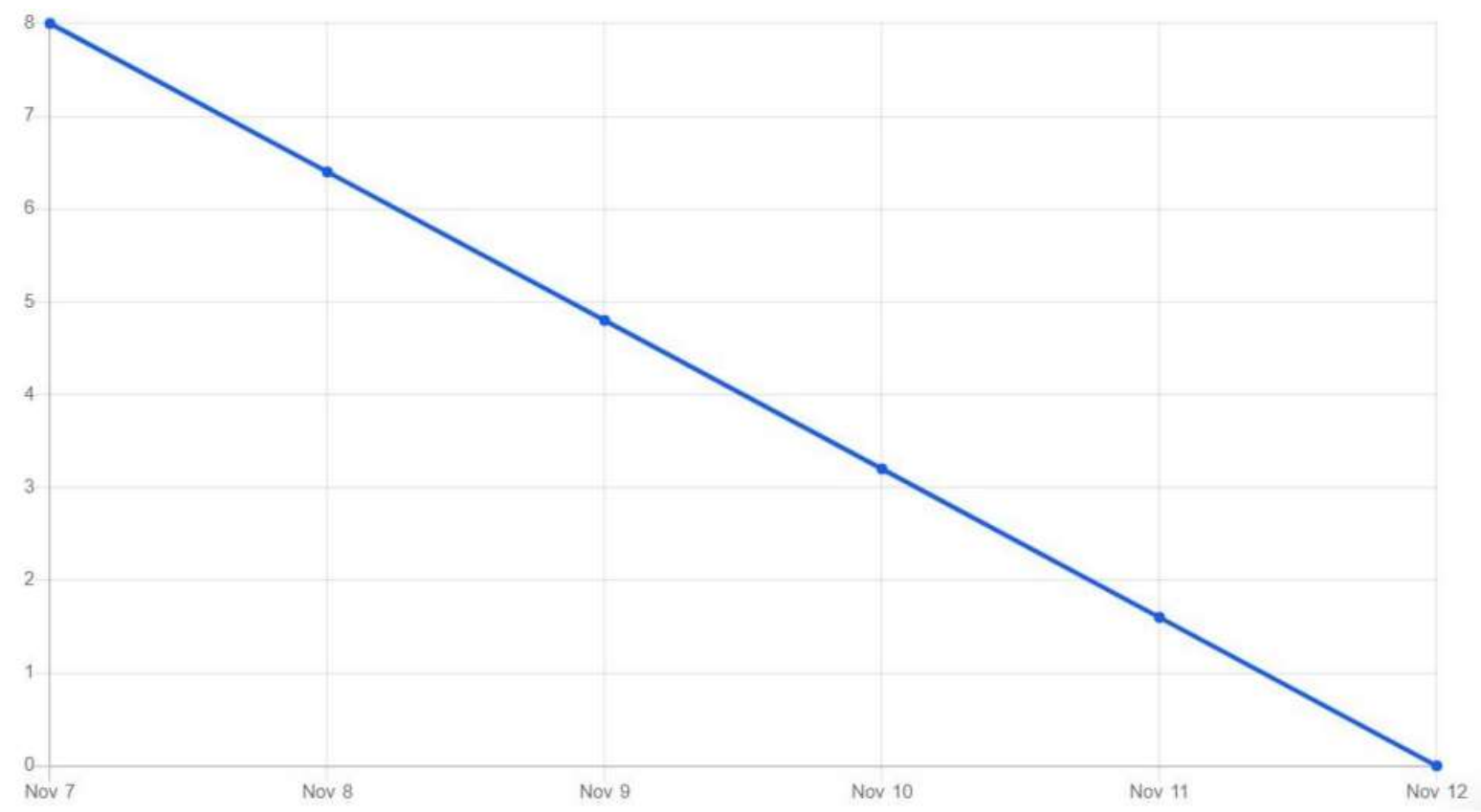
**Sprint -1**



**Sprint -2**



**Sprint – 3**





**Sprint – 4**

