

## Project Planning Phase

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

Date	5November2022
Team ID	PNT2022TMID32388
Project Name	Retail Store Stock Inventory Analytics
Maximum marks	8

#### Product backlogs, Sprint schedule, 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 of dataset is done to present the analytics to the user	2	High	Pavithra M Pooranapushpakala M Smiwin Gems Suriya Lakshmi A
Sprint-1	Data Preparation	USN-2	As a user, I can view the accurate analytics of data by prepared data. The data preparation is done to restructure and clean the data.	3	High	Pavithra M Pooranapushpakala M Smiwin Gems Suriya Lakshmi A
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	Pavithra M Pooranapushpakala M Smiwin Gems Suriya Lakshmi A
Sprint-3	Dashboard Creation	USN-4	As a user, I can view the different visualization in the dashboard about the sales, stock, revenue and price.	8	High	Pavithra M Pooranapushpakala M Smiwin Gems Suriya Lakshmi A

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
Sprint-4	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	Pavithra M Pooranapushpakala M Smiwin Gems Suriya Lakshmi A
Sprint-4	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	Pavithra M Pooranapushpakala M Smiwin Gems Suriya Lakshmi A

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	5	6 Days	24 Oct 2022	29 Oct 2022	5	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	16	6 Days	14 Nov 2022	19 Nov 2022	16	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)

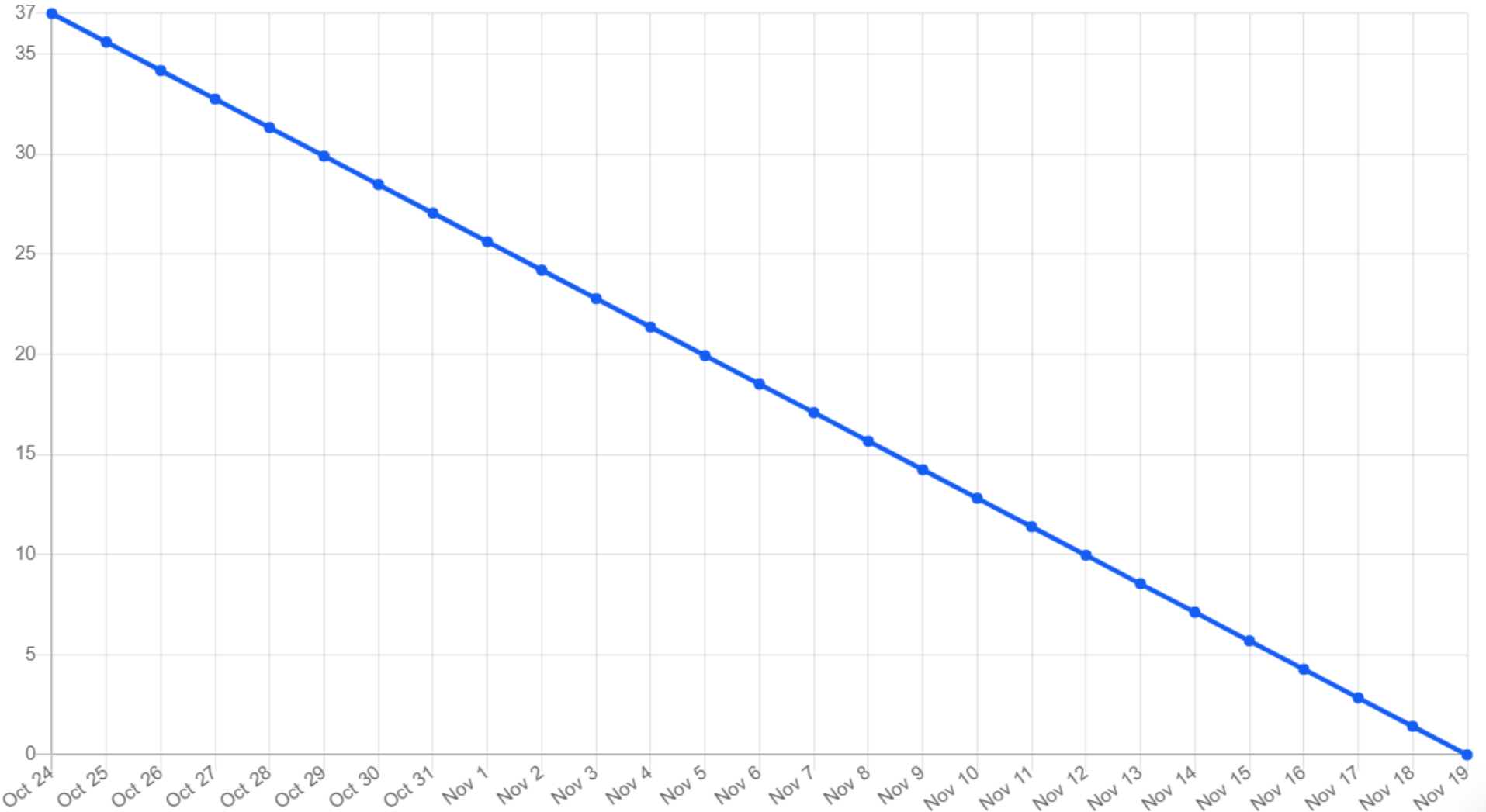
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Sprint	Story points	Duration	Average velocity
Sprint-1	5	6	0.83
Sprint-2	8	6	1.33
Sprint-3	8	6	1.33
Sprint-4	16	6	2.66
Total	37	24	1.54

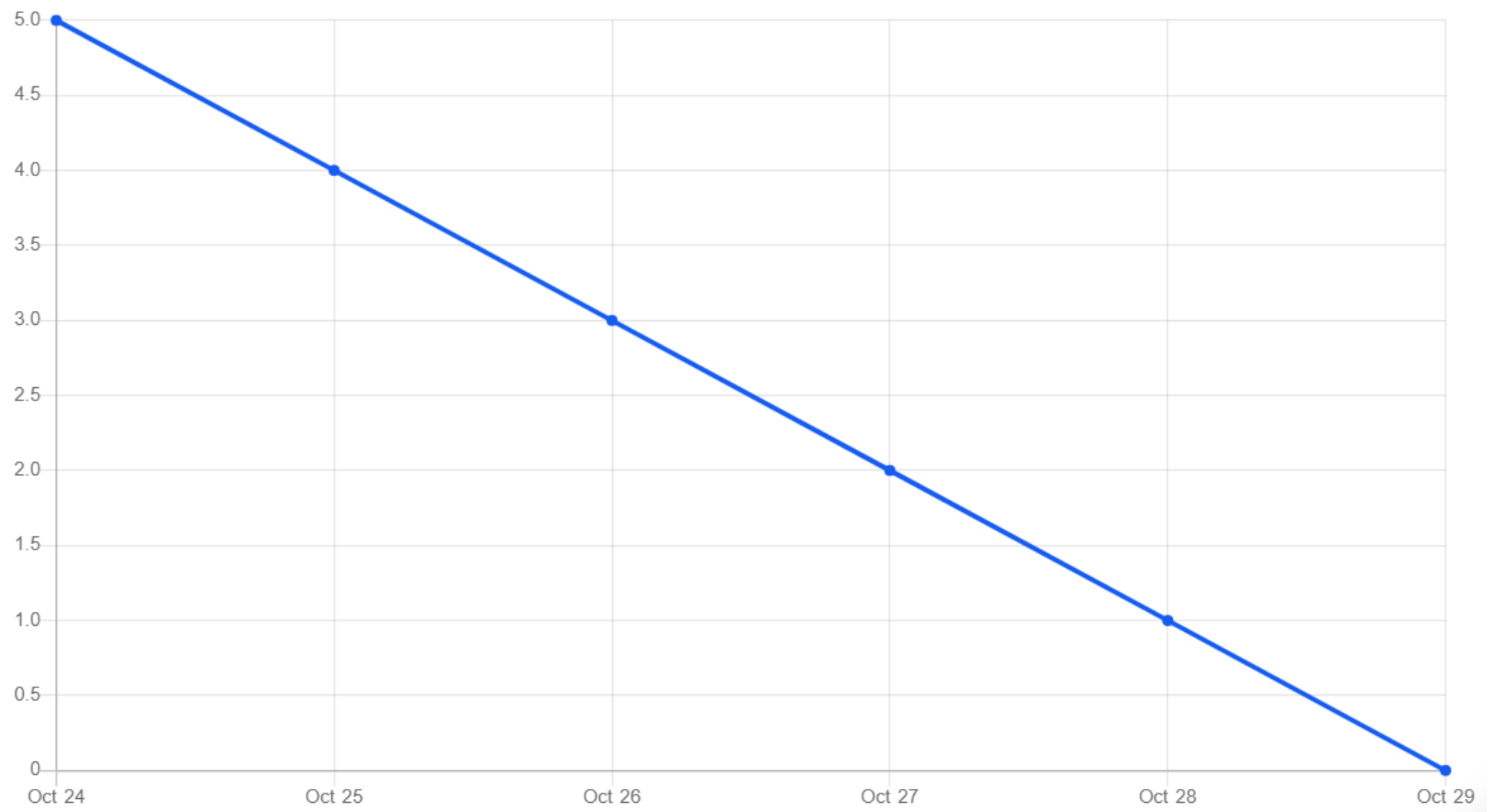
Jira project planning:

	OCT				OCT						NOV						NOV						NOV									
	20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Sprints					RSSIA Sprint 1						RSSIA Sprint 2						RSSIA Sprint 3						RSSIA Sprint 4									
▼  RSSIA-23 Data collection					<div></div>																											
 RSSIA-1 The dataset is collected a... IN PROGRESS					<div></div>																											
▼  RSSIA-24 Data Cleaning					<div></div>																											
 RSSIA-2 As a user, I can view the... IN PROGRESS					<div></div>																											
▼  RSSIA-25 Data exploration											<div></div>																					
 RSSIA-3 As a user, I can view the visuali... TO DO											<div></div>																					
▼  RSSIA-26 Dashboard																	<div></div>															
 RSSIA-4 As a user, I can view the differe... TO DO																	<div></div>															
▼  RSSIA-27 Report																							<div></div>									
 RSSIA-5 As a user, I can view the detaile... TO DO																							<div></div>									
▼  RSSIA-28 Story																							<div></div>									
 RSSIA-8 As a user I can view the story t... TO DO																							<div></div>									

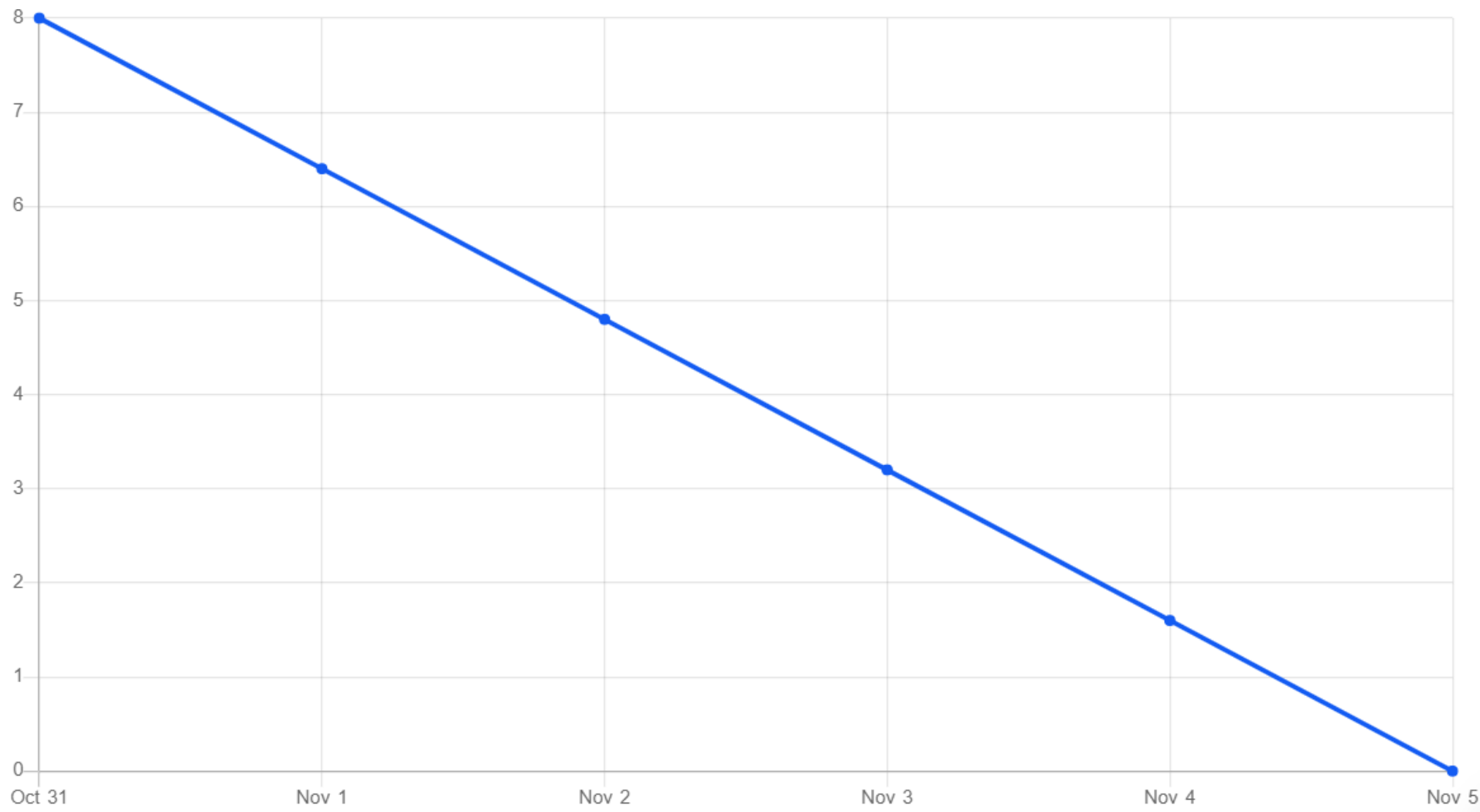
**Burndown Chart:**



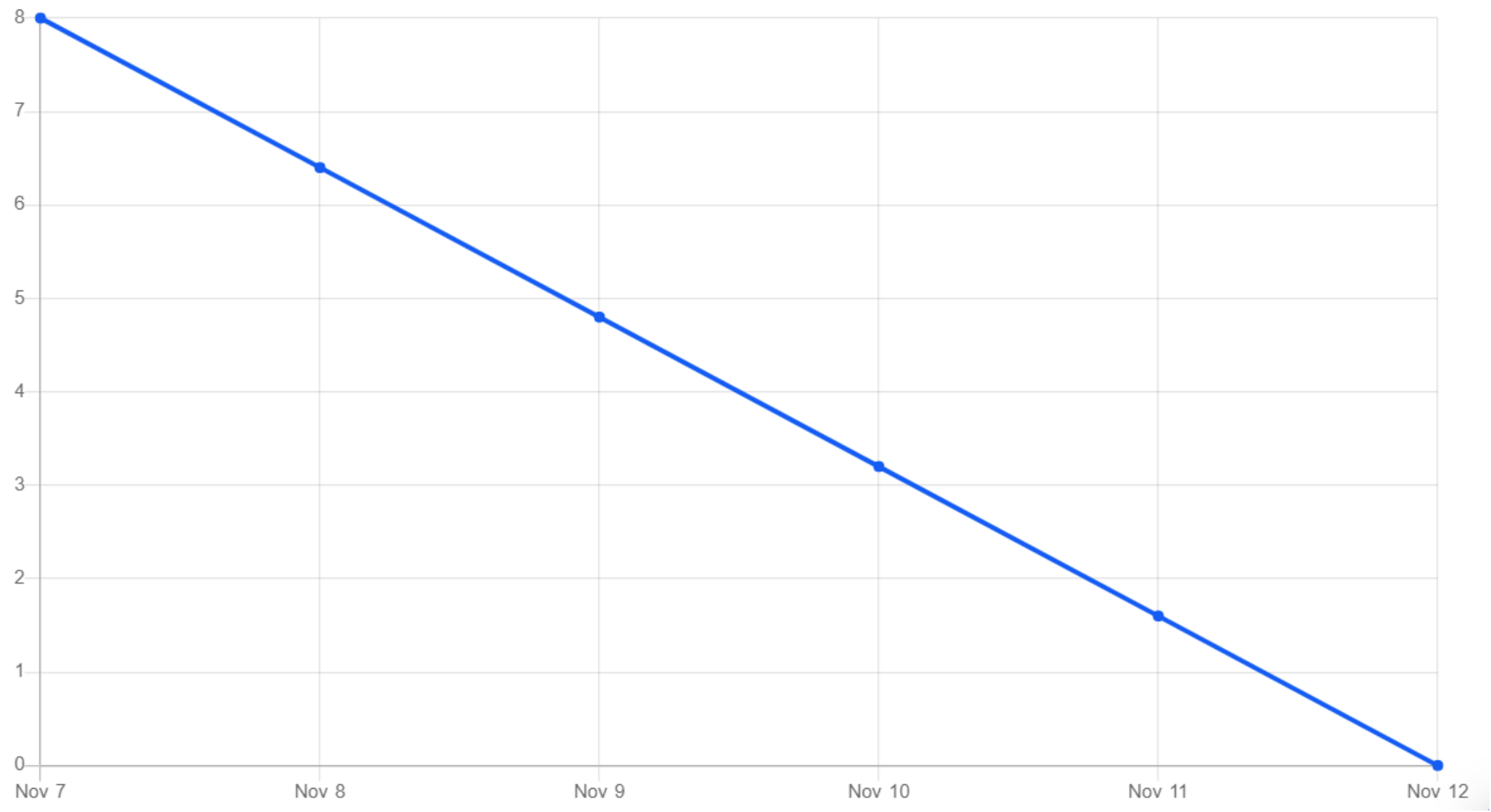
**Sprint-1**



**Sprint-2**



**Sprint-3**





**Sprint-4**

