Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID52529
Project Name	Project – Inventory Management System For Retailers

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	Login & Registration UI Design	USN-1	As a user, I want login and registration page design	2	High	4
Sprint-1	Landing Page UI Design	USN-2	As a user, I want to view the application overview and available functionalities	1	High	4
Sprint-2	Confirmation	USN-3	As a user, I will receive confirmation email once I have registered for the application	2	Low	4
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	2	Medium	4
Sprint-2	Dashboard	USN-5	As a user, I can view the products which are available	1	High	4
Sprint-2	Add items to cart	USN-6	As a user, I can add the products I wish to buy to the carts	5	Medium	4
Sprint-3	Stock Update	USN-7	As a user, I can add products which are not available in the dashboard to the stock list.	5	Medium	4
Sprint-4	Request to Customer Care	USN-8	As a user, I can contact the Customer Care Executive and request any services I want from the customer care.	5	Low	4
Sprint-4	Contact Administrator	USN-9	I can be able to report any difficulties I experience as a report	5	Medium	4

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	7	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	9	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	5	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	10	19 Nov 2022

Velocity:

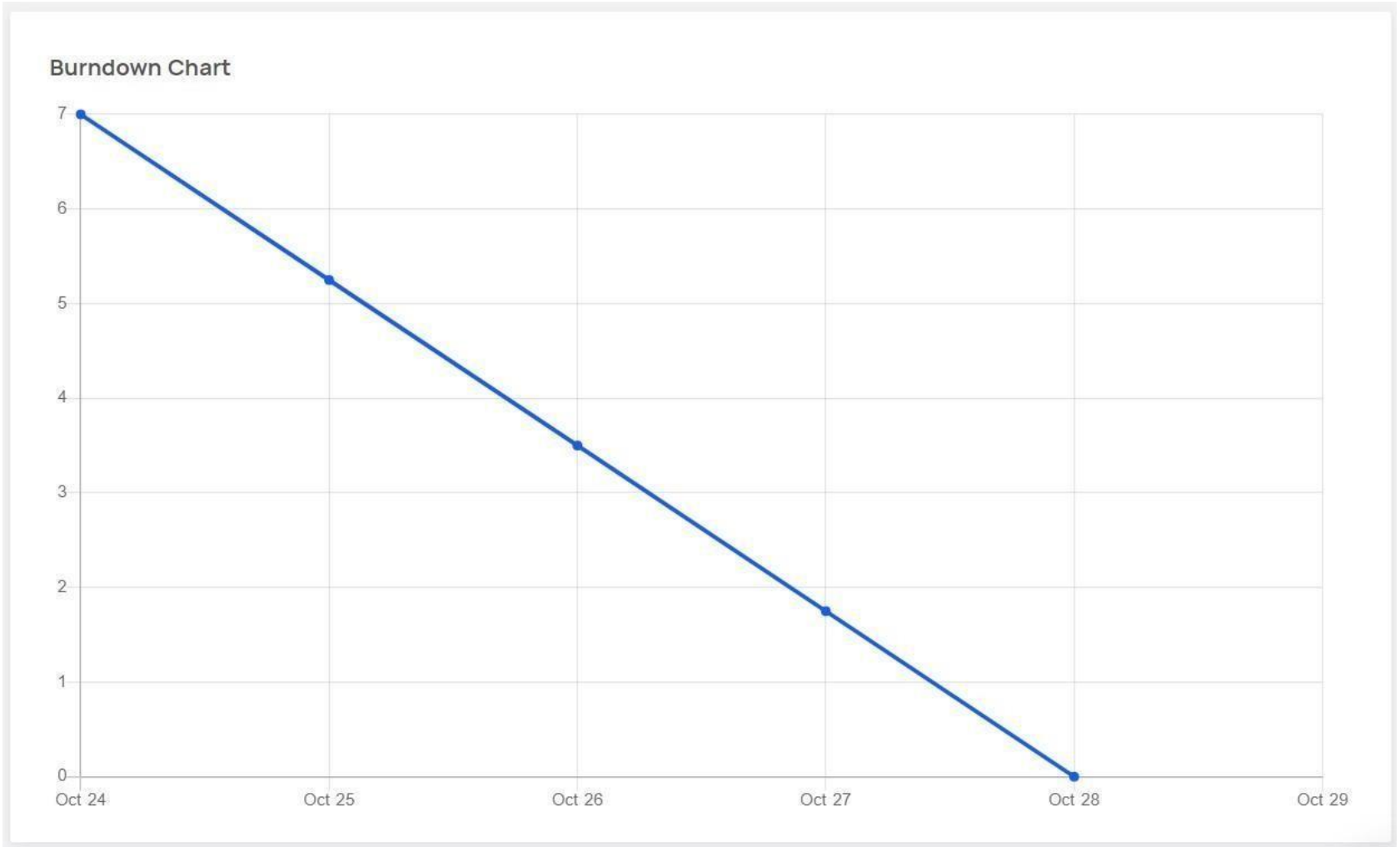
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

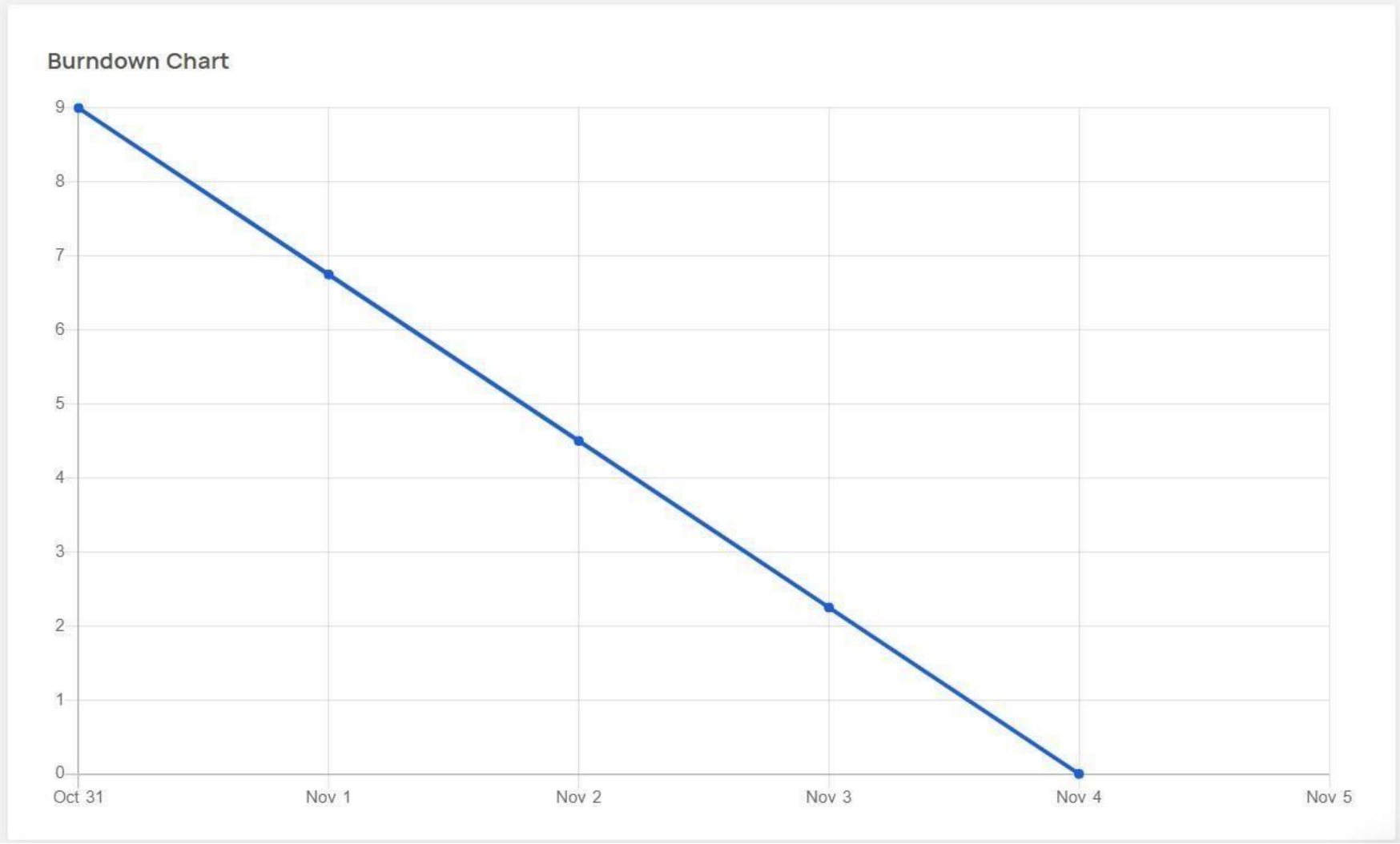
Velocity:

Sprints	Sprint Duration	Velocity	Actual Velocity
Sprint-1	6	7	0.85
Sprint-2	6	9	0.66
Sprint-3	6	5	1.2
Sprint-4	6	10	0.6

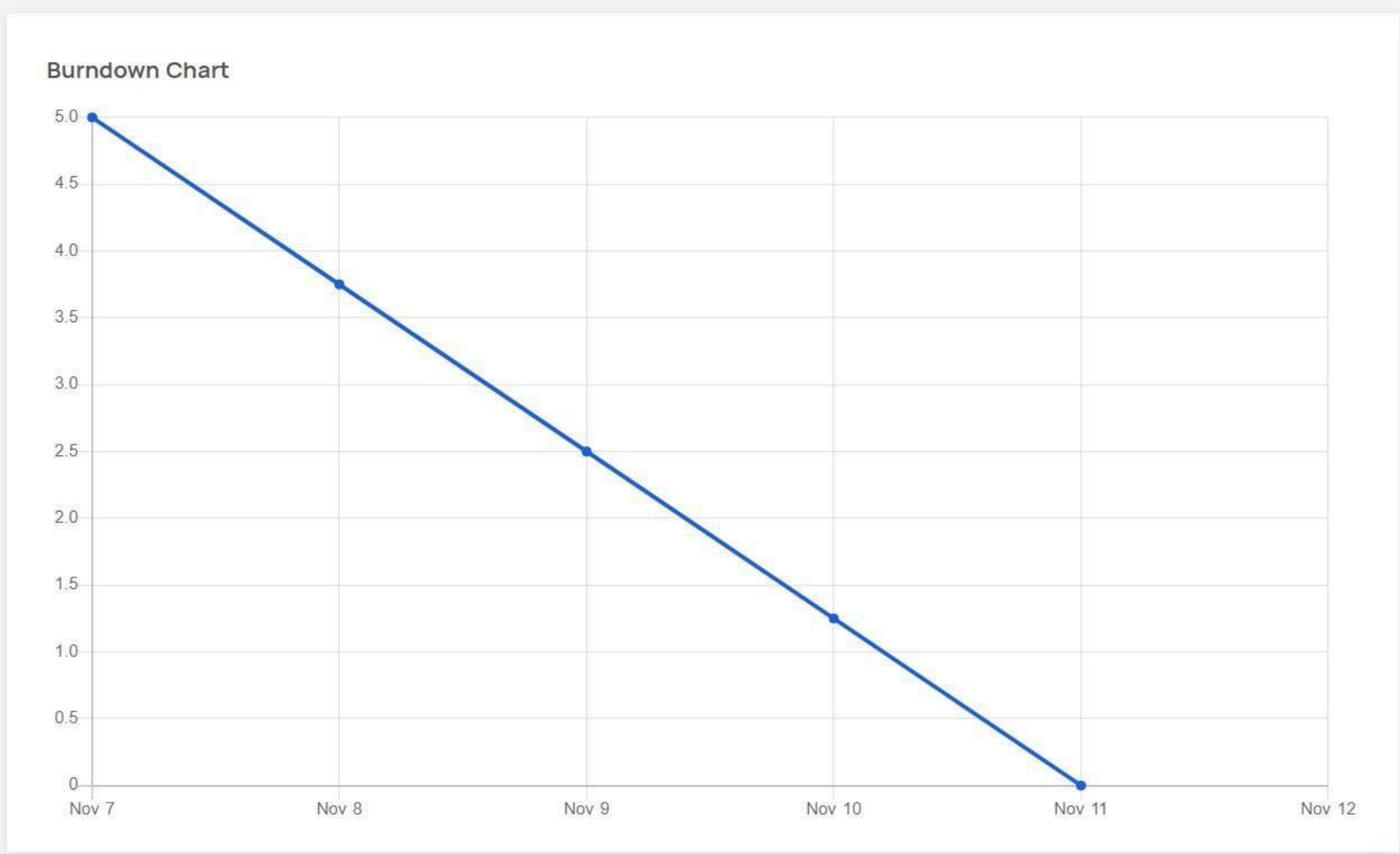
Burndown Chart:



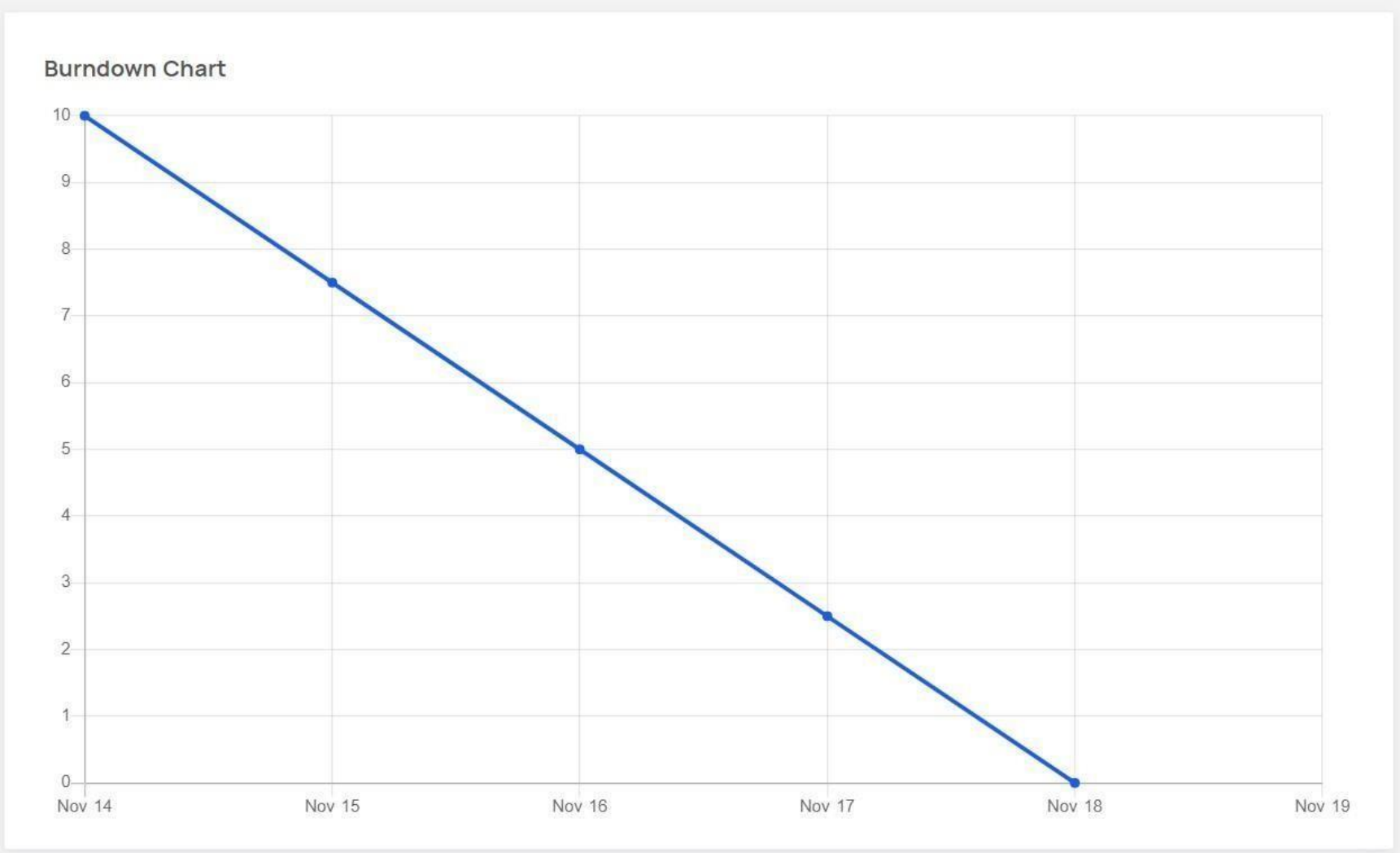
Sprint - 1



Sprint – 2


Burndown Chart
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0
Nov 7
Nov 8
Nov 9
Nov 10
Nov 11
Nov 12

Sprint - 3


Burndown Chart
10
9
8
7
6
5
4
3
2
1
0
Nov 14
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19

Sprint – 4

Project Tool: JIRA