Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID20320
Project Name	A Gesture Based Tool For Sterile Browsing Of Radiology Images
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	Data Collection	USN-1	Download the Dataset	5	High	Arun V

Sprint-1		USN-2	Image Pre-processing	5	High	Jayapal S Arun V
Sprint-1		USN-3	Import and Configure the Image Data Generator Library and Class	5	High	Arun V Jannani Dharan K.S
Sprint-1		USN-4	Apply Image Data Generator Functionality to Train-Set and Test-Set	5	High	Arun V Bharathi M

Sprint-2	Model Building	USN-5	Import the Model Building Libraries and Initializing the Model	5	High	Arun V Hari Prasad B
Sprint-2		USN-6	Adding CNN Layers and Dense Layers	5	High	Arun V Jayapal S Hari Prasad B

Sprint-2		USN-7	Configure the Learning Process	5	High	Arun V Bharathi M JayaPal S
Sprint-2		USN-8	Train the Model, Save the Model and Test the Model	3	Low	Arun V Jannani Dharan K.S
Sprint-3	Application Building	USN-9	Create Web Application using HTML, CSS, JavaScript	10	High	Arun V Jayapal S Bharathi M
Sprint-3		USN-10	Build Python code	9	Medium	Arun V Bharthi M
Sprint-4	Train The Model on IBM	USN-11	Register for IBM Cloud	9	High	Arun V Hari Prasad B

Sprint-4		USN-12	Train the Model and Test the Model and its Overall Performance	9	High	Arun V Bharathi M

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	19	6 Days	24 Oct 2022	29 Oct 2022	10	29 Oct 2022
Sprint-2	18	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	19	6 Days	07 Nov 2022	12 Nov 2022	19	12 Nov 2022

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

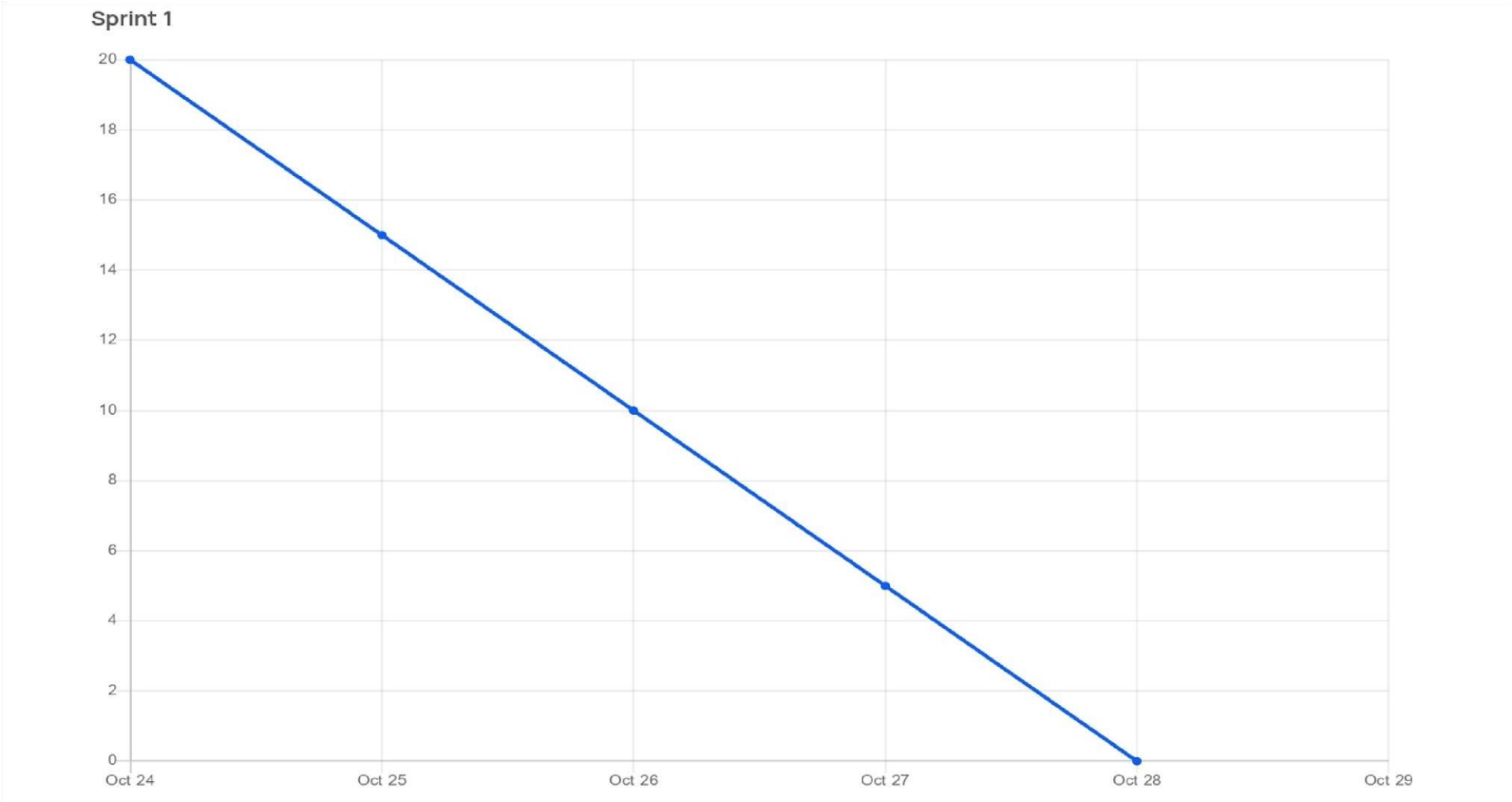
Sprint-4	18	6 Days	14 Nov 2022	19 Nov 2022	18	19 Nov 2022

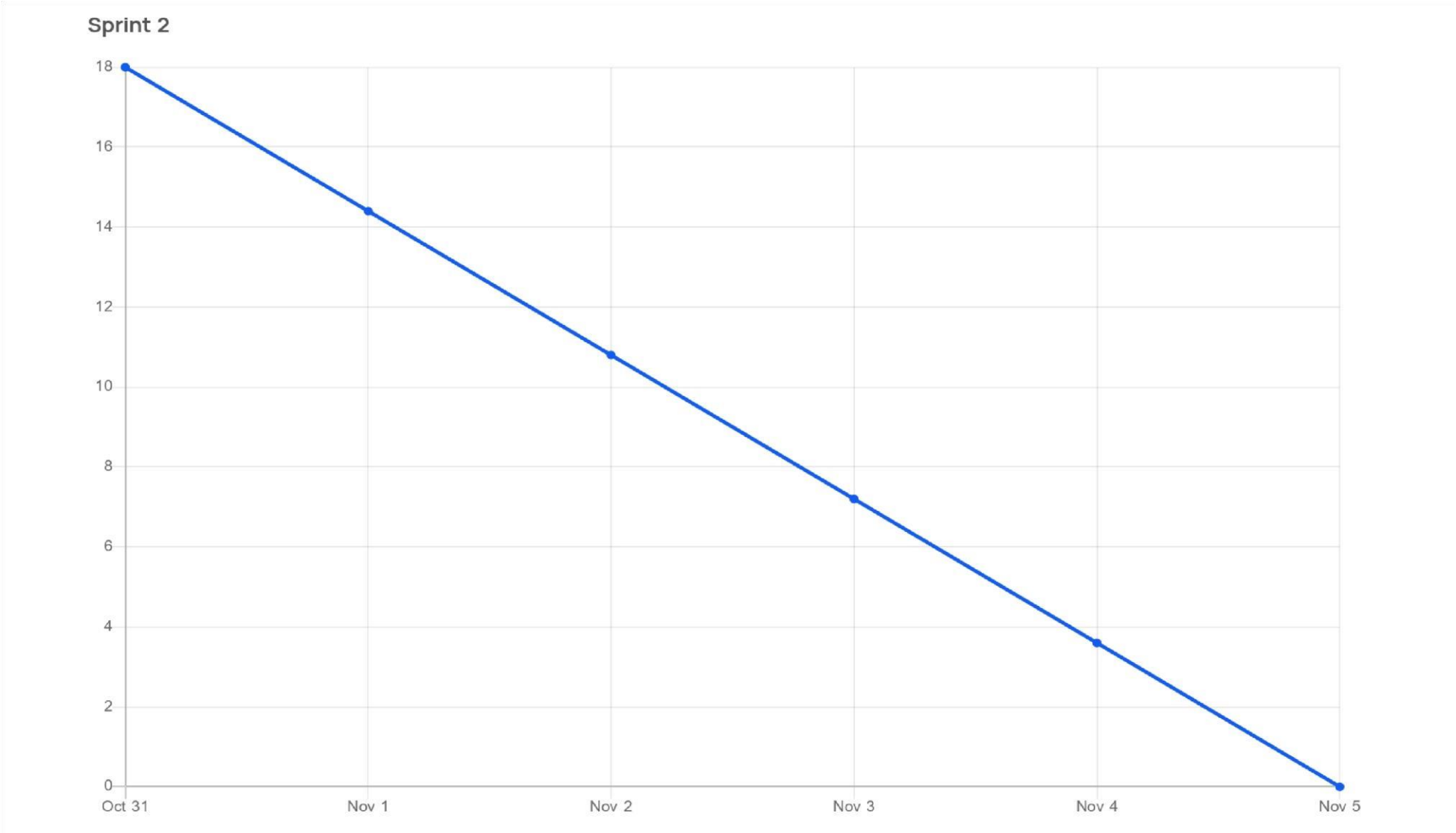
Velocity:

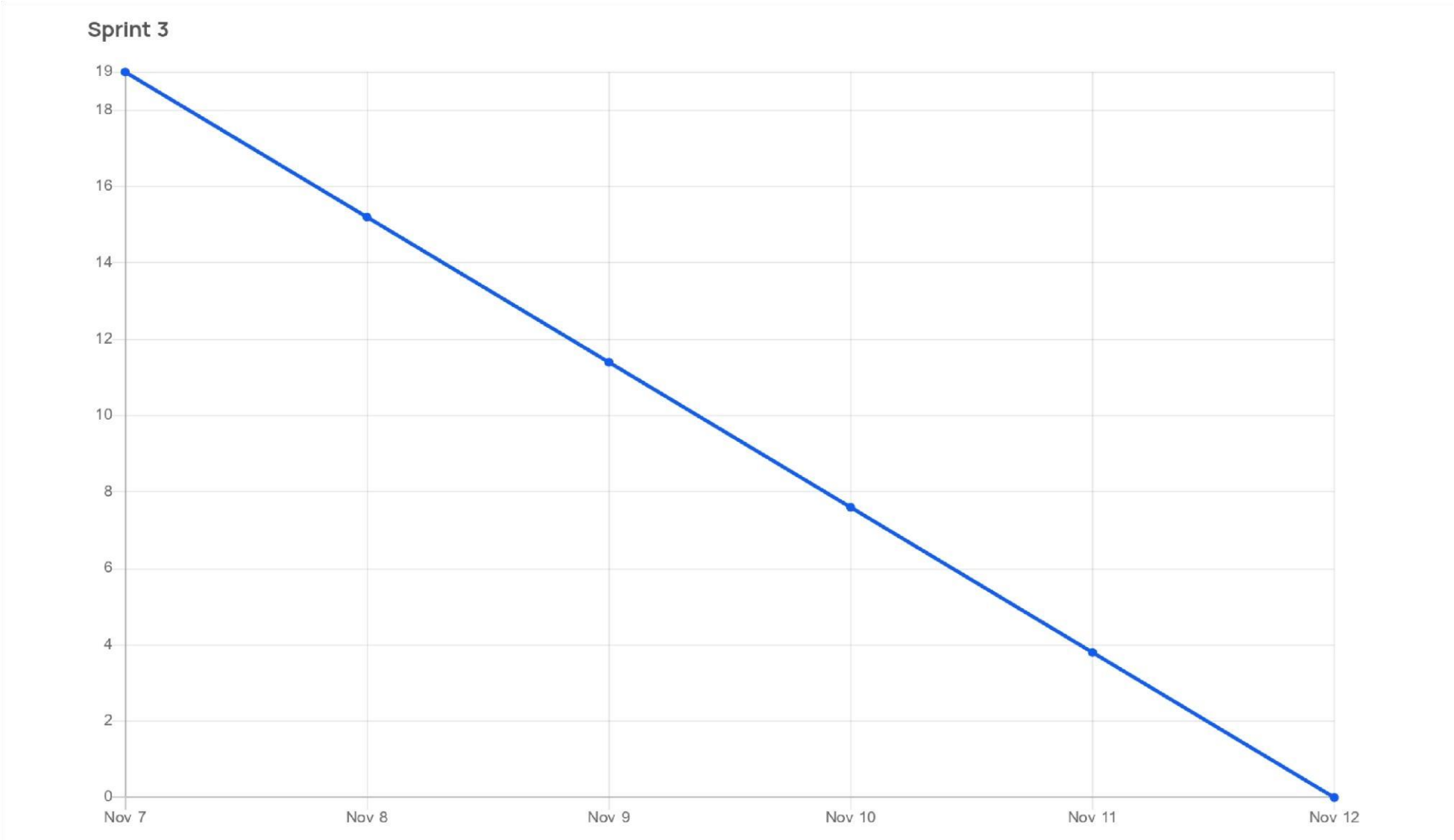
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit

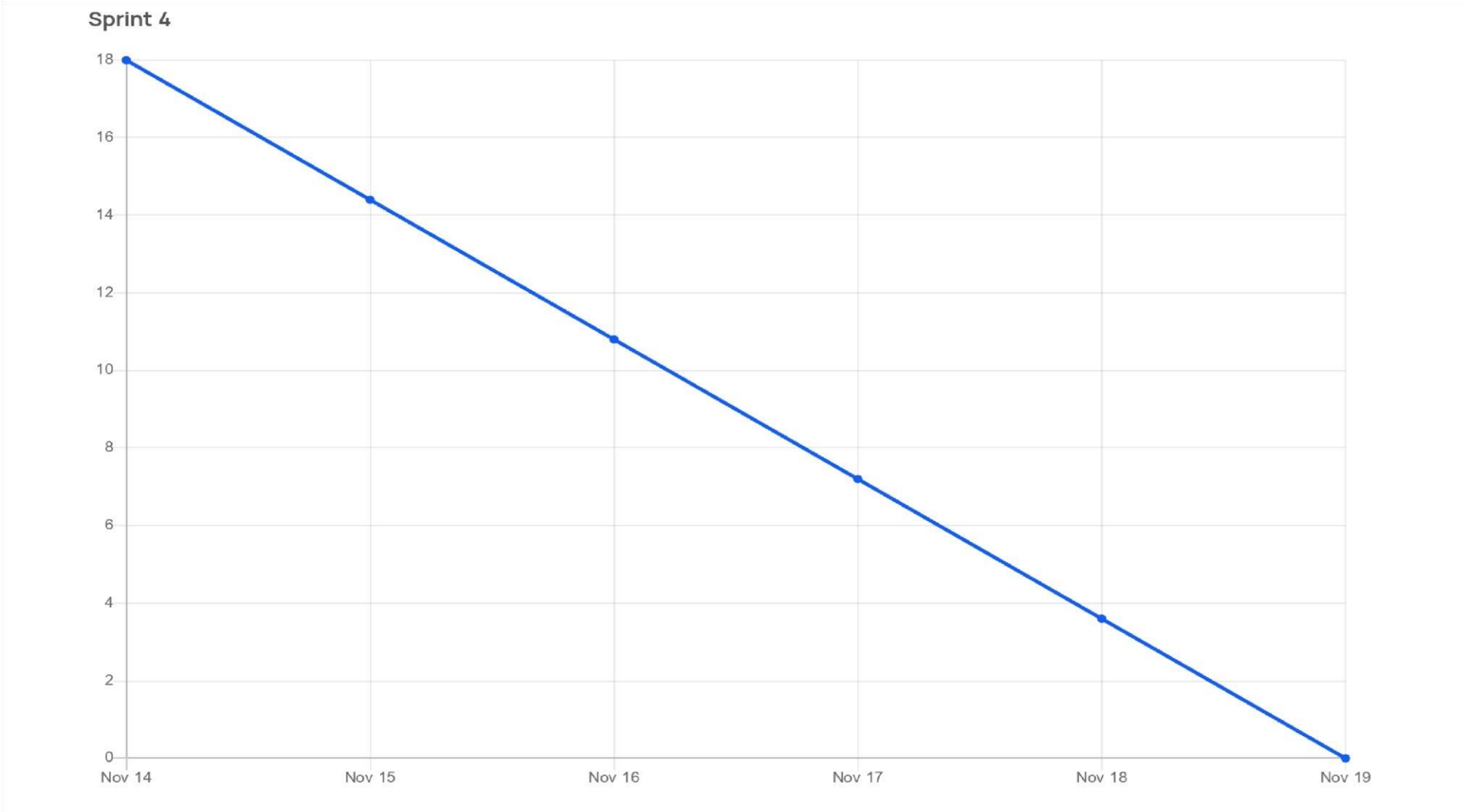
(story points per day)

Burndown Chart:


Sprint 1
20
18
16
14
12
10
8
6
4
2
0
Oct 24
Oct 25
Oct 26
Oct 27
Oct 28
Oct 29


Sprint 2
18
16
14
12
10
8
6
4
2
0
Oct 31
Nov 1
Nov 2
Nov 3
Nov 4
Nov 5


Sprint 3
19
18
16
14
12
10
8
6
4
2
0
Nov 7
Nov 8
Nov 9
Nov 10
Nov 11
Nov 12


Sprint 4
18
16
14
12
10
8
6
4
2
0
Nov 14
Nov 15
Nov 16
Nov 17
Nov 18
Nov 19