Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID00787
Project Name	Nutrition Assistant Application
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	Authentication	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	Medium	KARTHIKEYAN
Sprint-1	Authentication	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	MANIGANDAN
Sprint-1	Authentication	USN-3	As a user, I can log into the application by entering email & password	2	Low	KAVUSHICK
Sprint-1	Application	USN-1	As a developer, I want to install requirements, create IBM account, API access & send grid account.	1	Medium	KEETH ALOCIOUS
Sprint-2	Application	USN-1	As a user, I can see the homepage by log into the application	1	Low	KAVUSHICK
Sprint-2	Application	USN-2	As a user, I can see the upload page by navigating using navigation bar	1	Low	MANIGANDAN
Sprint-2	Application	USN-3	As a user, I can upload my food image by using camera or pick from gallery	5	High	KARTHIKEYAN
Sprint-2	Application	USN-4	As a user, I can get the ingredients of the food and nutritional details of food by using AI-Driven Food Detection Model	5	High	KARTHIKEYAN
Sprint-3	Application	USN-5	As a user, I can see my diet history by	2	Low	KEETH ALOCIOUS

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			navigating using navigation bar			
Sprint-3	Application	USN-6	As a user, I can get some diet plans by queries nutrition API	5	High	MANIGANDAN
Sprint-3	Chat Bot	USN-1	As a user, I can get some diet based queries by using the chat bot	3	Medium	KEETH ALOCIOUS
Sprint-4	Final	USN-1	As a developer, I can containerize the application by using Docker	5	High	KARTHIKEYAN
Sprint-4	Final	USN-2	As a developer, I can deploy the application image to the IBM Cloud Kubernetes Service	5	High	KARTHIKEYAN

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

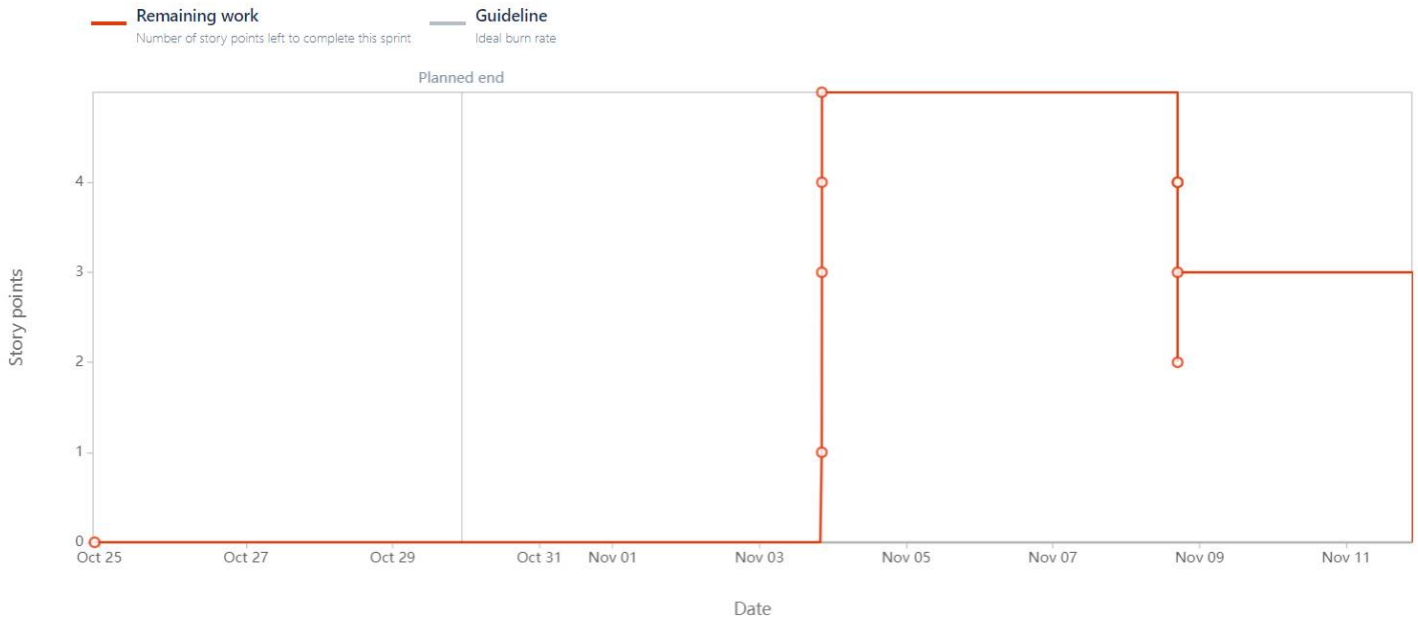
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	6	6 Days	24 Oct 2022	29 Oct 2022	4	29 Oct 2022
Sprint-2	12	6 Days	31 Oct 2022	05 Nov 2022	12	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	19 Nov 2022	10	13 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)

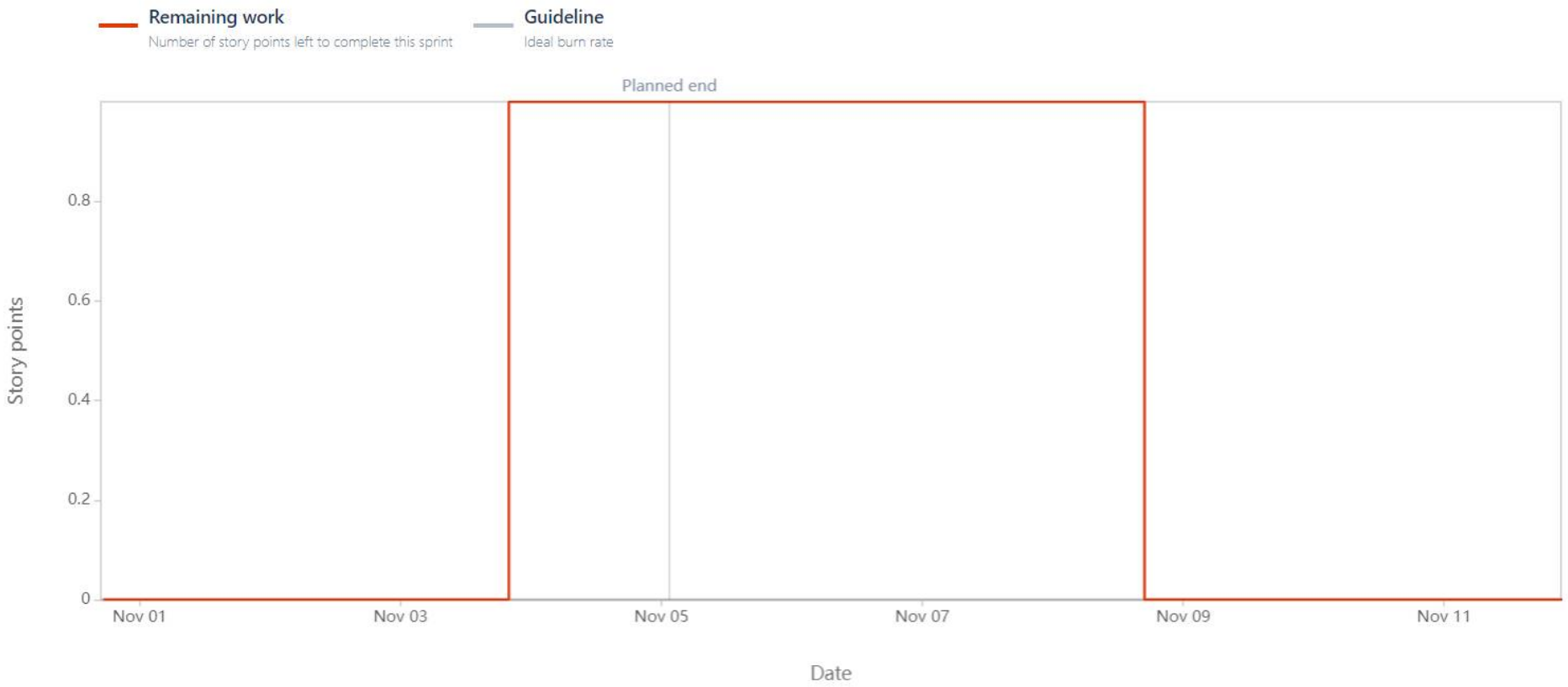
$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown charts

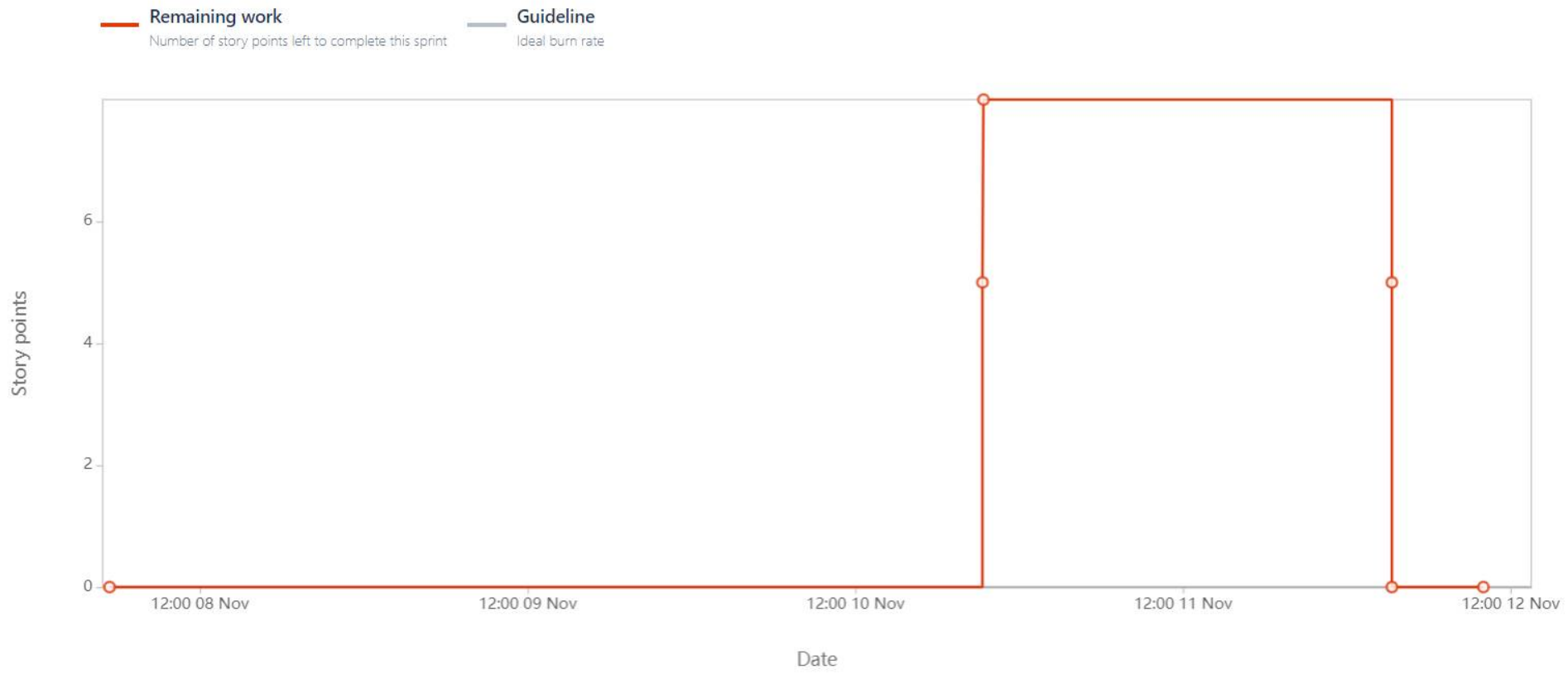
Sprint 1



Sprint 2


Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Planned end
Story points
0.8
0.6
0.4
0.2
0
Nov 01
Nov 03
Nov 05
Nov 07
Nov 09
Nov 11
Date

Sprint 3

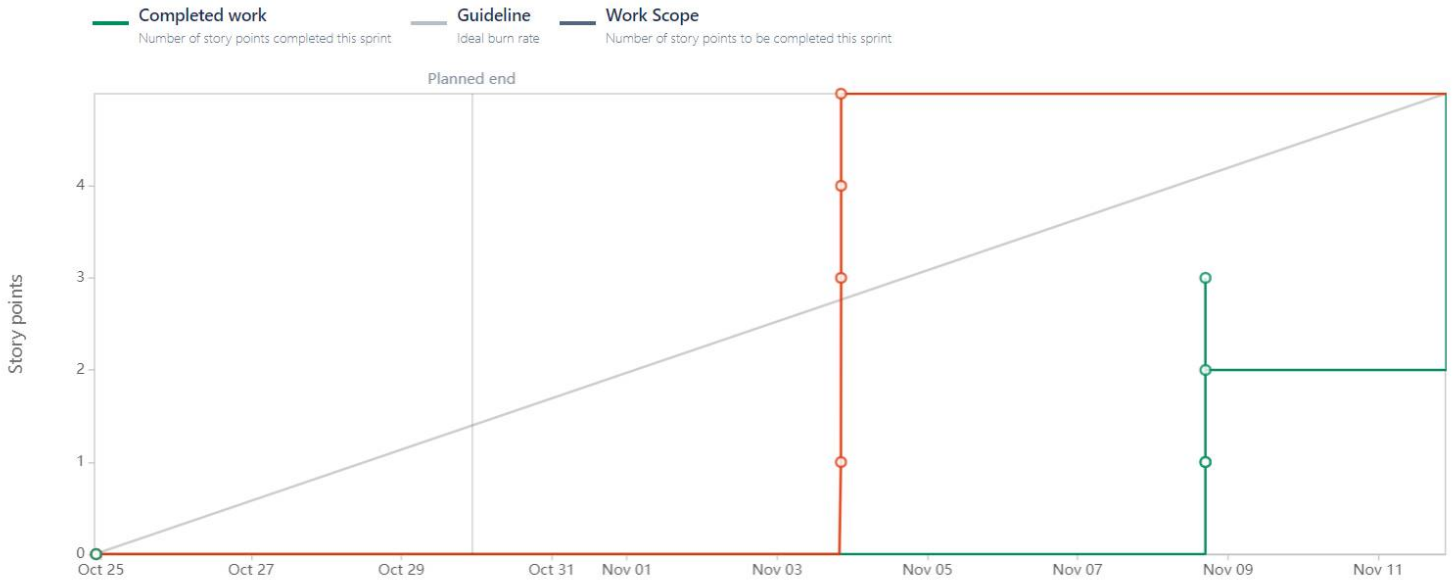

Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
6
4
2
0
12:00 08 Nov
12:00 09 Nov
12:00 10 Nov
12:00 11 Nov
12:00 12 Nov
Date

Sprint 4

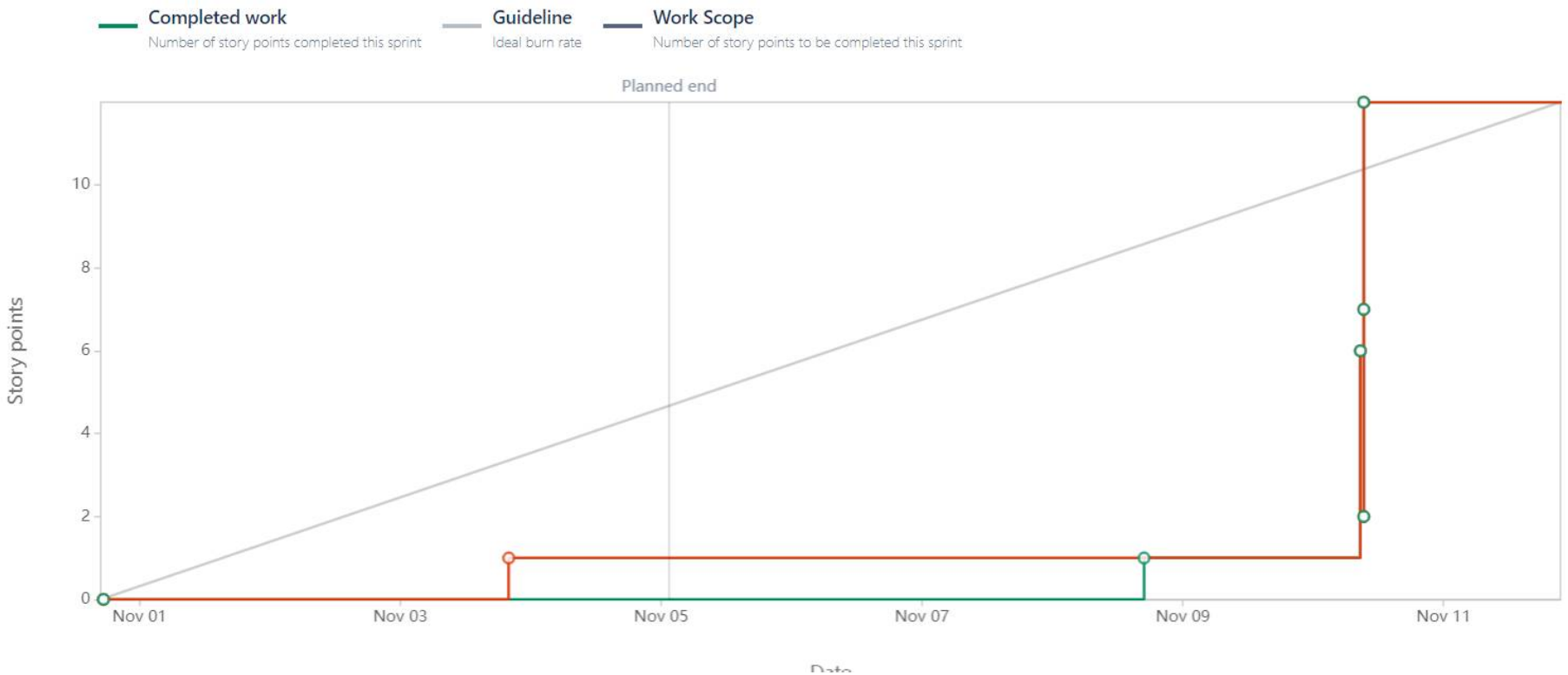

Remaining work
Number of story points left to complete this sprint
Guideline
Ideal burn rate
Story points
8
6
4
2
0
12:00 12 Nov
04:00 12 Nov
08:00 12 Nov
12:00 12 Nov
04:00 12 Nov
08:00 12 Nov
12:00 13 Nov
Date

Burnup Chart:

Sprint 1



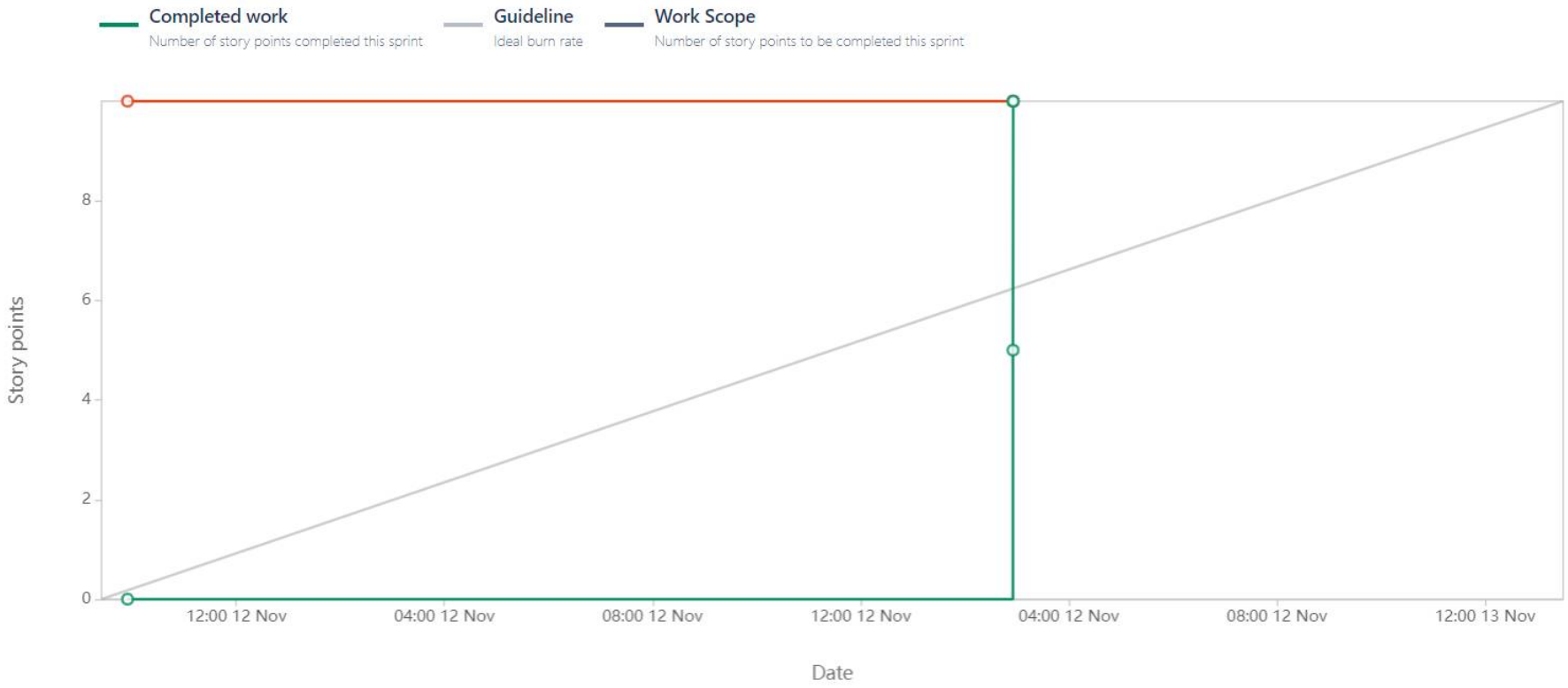
Sprint 2


Completed work
Number of story points completed this sprint
Guideline
Ideal burn rate
Work Scope
Number of story points to be completed this sprint
Planned end
Story points
10
8
6
4
2
0
Nov 01
Nov 03
Nov 05
Nov 07
Nov 09
Nov 11
Date

Sprint 3


Completed work
Number of story points completed this sprint
Guideline
Ideal burn rate
Work Scope
Number of story points to be completed this sprint
Story points
8
6
4
2
0
12:00 08 Nov
12:00 09 Nov
12:00 10 Nov
12:00 11 Nov
12:00 12 Nov

Sprint 4


Completed work
Number of story points completed this sprint
Guideline
Ideal burn rate
Work Scope
Number of story points to be completed this sprint
Story points
8
6
4
2
0
12:00 12 Nov
04:00 12 Nov
08:00 12 Nov
12:00 12 Nov
04:00 12 Nov
08:00 12 Nov
12:00 13 Nov
Date