

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

Date	27 October 2022
Team ID	PNT2022TMID29780
Project Name	Retail Store Stock Inventory Analysis
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	Loading	USN-1	As a user, I can load the dataset into IBM Cognos Analytics Watson.	7	High	Gopalakrishnan T, Gokul D, Gokul Raj S, Krishnan V
Sprint-1	Loading	USN-2	As a user, I can prepare and clean the data in data module and save it	5	Medium	Gopalakrishnan T, Gokul D, Gokul Raj S
Sprint-1	Preparing	USN-3	As a user, I can create data modules and use them for creating exploration, dashboard, report, etc.	7	High	Gopalakrishnan T, Gokul D, Gokul Raj S, Krishnan V

Sprint-2	Exploration	USN-4	As a user I can load the prepared data module and create explorations in Cognos Analytics	3	Low	Gopalakrishnan T, Gokul Raj S
Sprint-2	Visualization	USN-5	As a user, I can create different visualization charts using the dataset	7	Medium	Gopalakrishnan T, Gokul D, Gokul Raj S
Sprint-2	Visualization	USN-6	As a user, I can create stock, sales and price summary in Cognos Analytics	8	High	Gopalakrishnan T, Gokul D, Gokul Raj S, Krishnan V
Sprint-3	Dashboard	USN-7	As a user, I can create dashboard using data modules in Cognos Analytics	4	Low	Gokul D, Krishnan V
Sprint-3	Dashboard	USN-8	As a user, I can create Visualization in the dashboard and show various analysis	5	Medium	Gokul D, Gokul Raj S, Krishnan V
Sprint-3	Dashboard	USN-9	As a user, I can embedd the dashboard in web application	7	High	Gopalakrishnan T, Gokul D, Gokul Raj S, Krishnan V
<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	USN-10	As a user, I can create a report based on the visualization of the dataset and generate a report	4	Low	Gopalakrishnan T, Gokul Raj S

Sprint-4	Story	USN-11	As a user, I can create a story based on the dataset and create Mp4 format video of visualization	8	High	Gopalakrishnan T, Gokul D, Gokul Raj S, Krishnan V
Sprint-4	Web Application	USN-12	As a user, I can embedd my dashboard, story and report to my Web Application	5	Medium	Gopalakrishnan T, Gokul D, Gokul Raj S

### 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	13	6 Days	24 Oct 2022	29 Oct 2022	19	29 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	14	6 Days	07 Nov 2022	12 Nov 2022	16	12 Nov 2022
Sprint-4	16	6 Days	14 Nov 2022	19 Nov 2022	17	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)

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

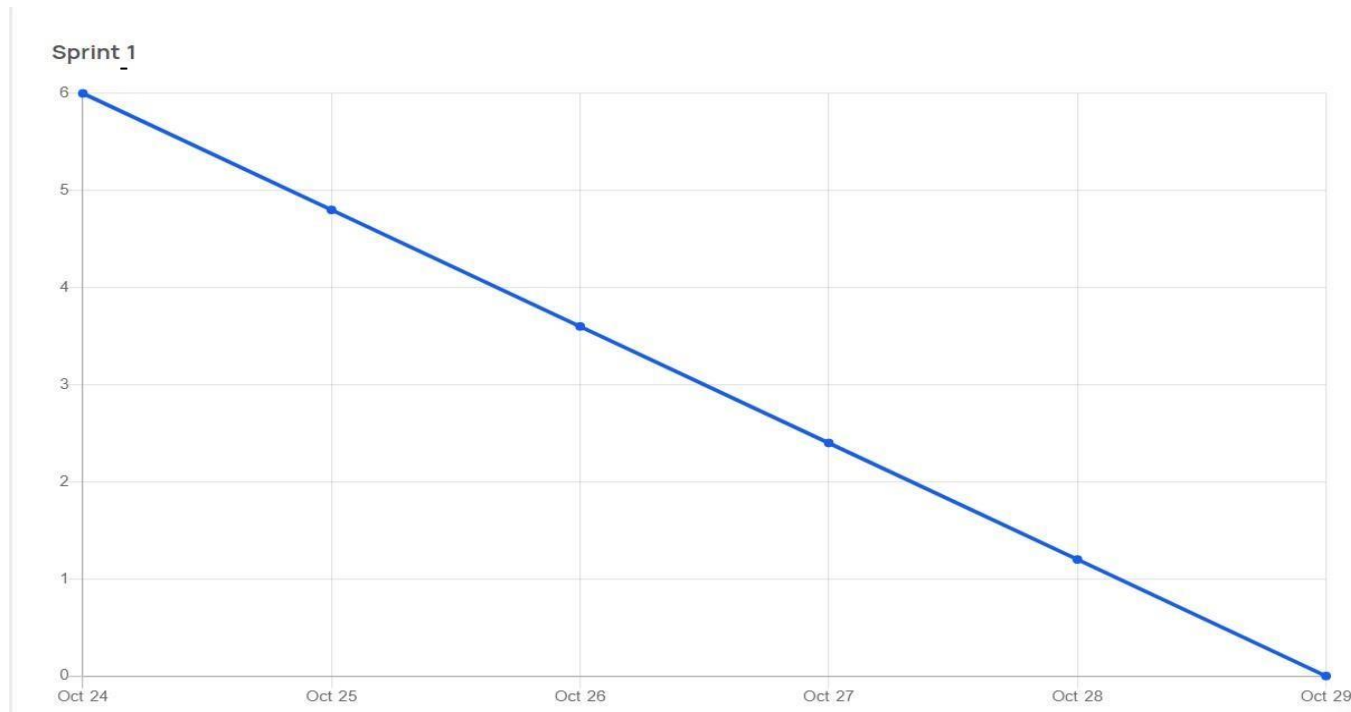
<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Average velocity</b>
Sprint-1	19	6 Days	3.16
Sprint-2	18	6 Days	3
Sprint-3	16	6 Days	2.66
Sprint-4	17	6 Days	2.83
Total	70	24	2.91

## Burndown Chart:

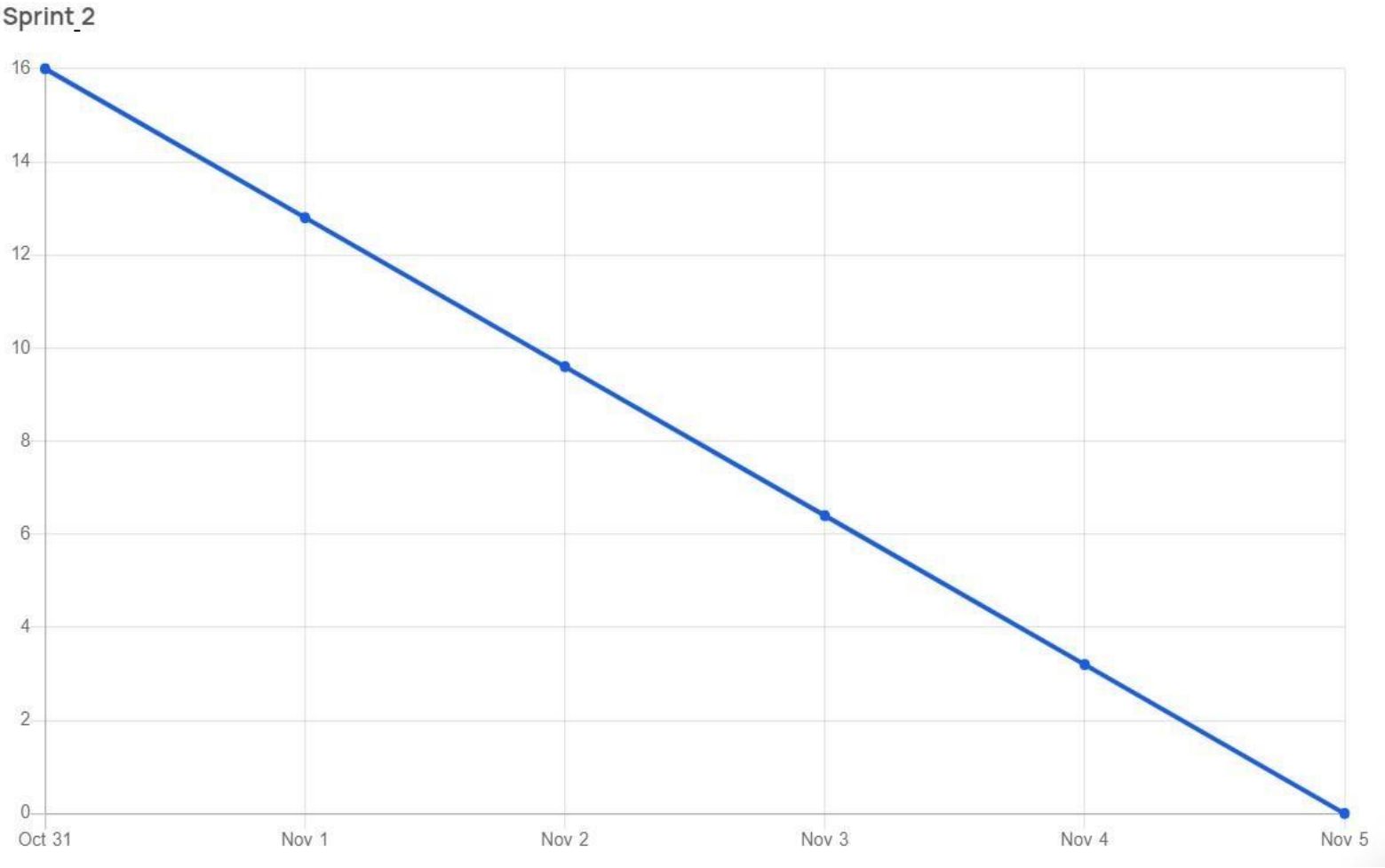
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

## Estimated Effort:

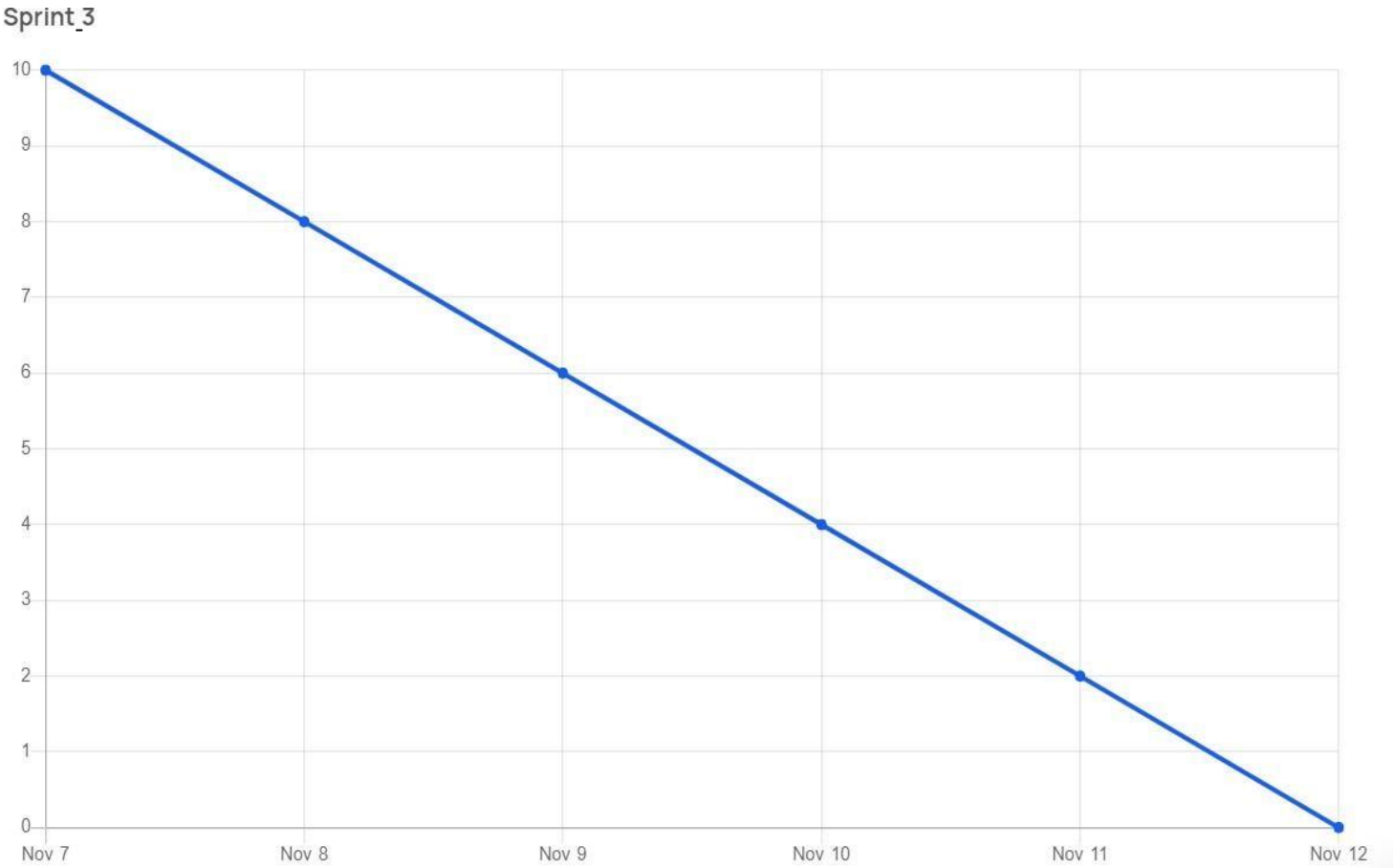
### Sprint-1



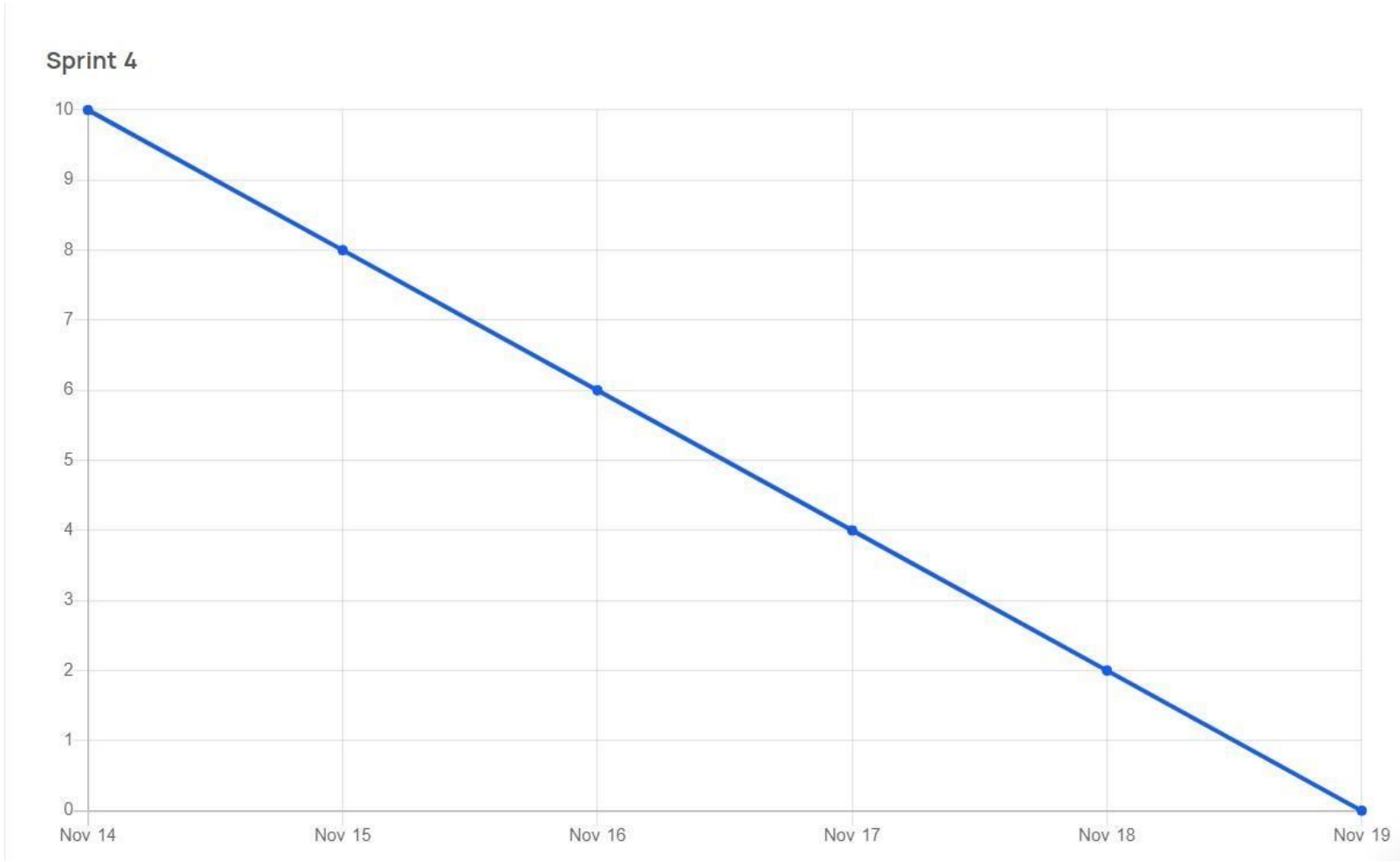
**Sprint -2:**



**Sprint – 3:**

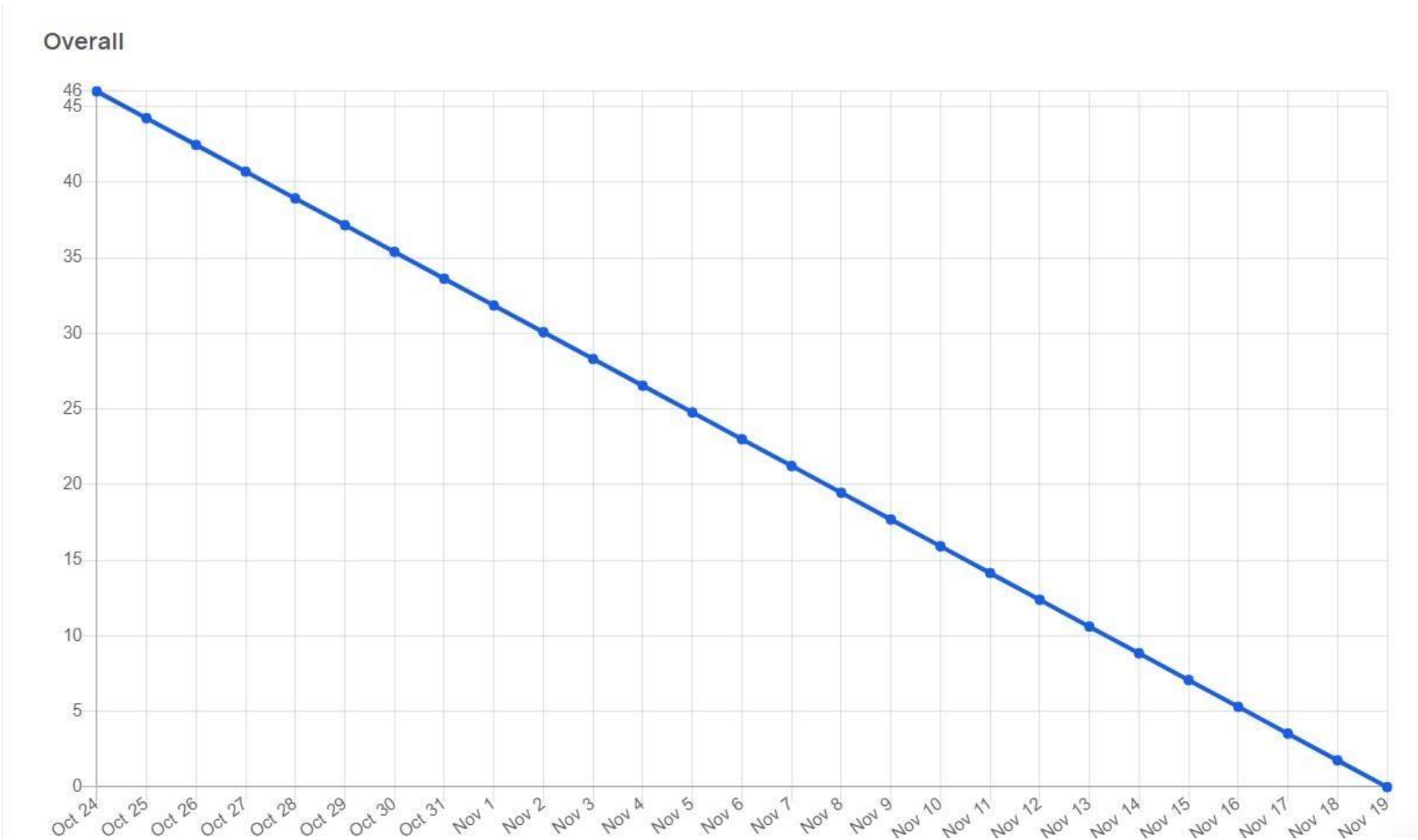


**Sprint – 4:**

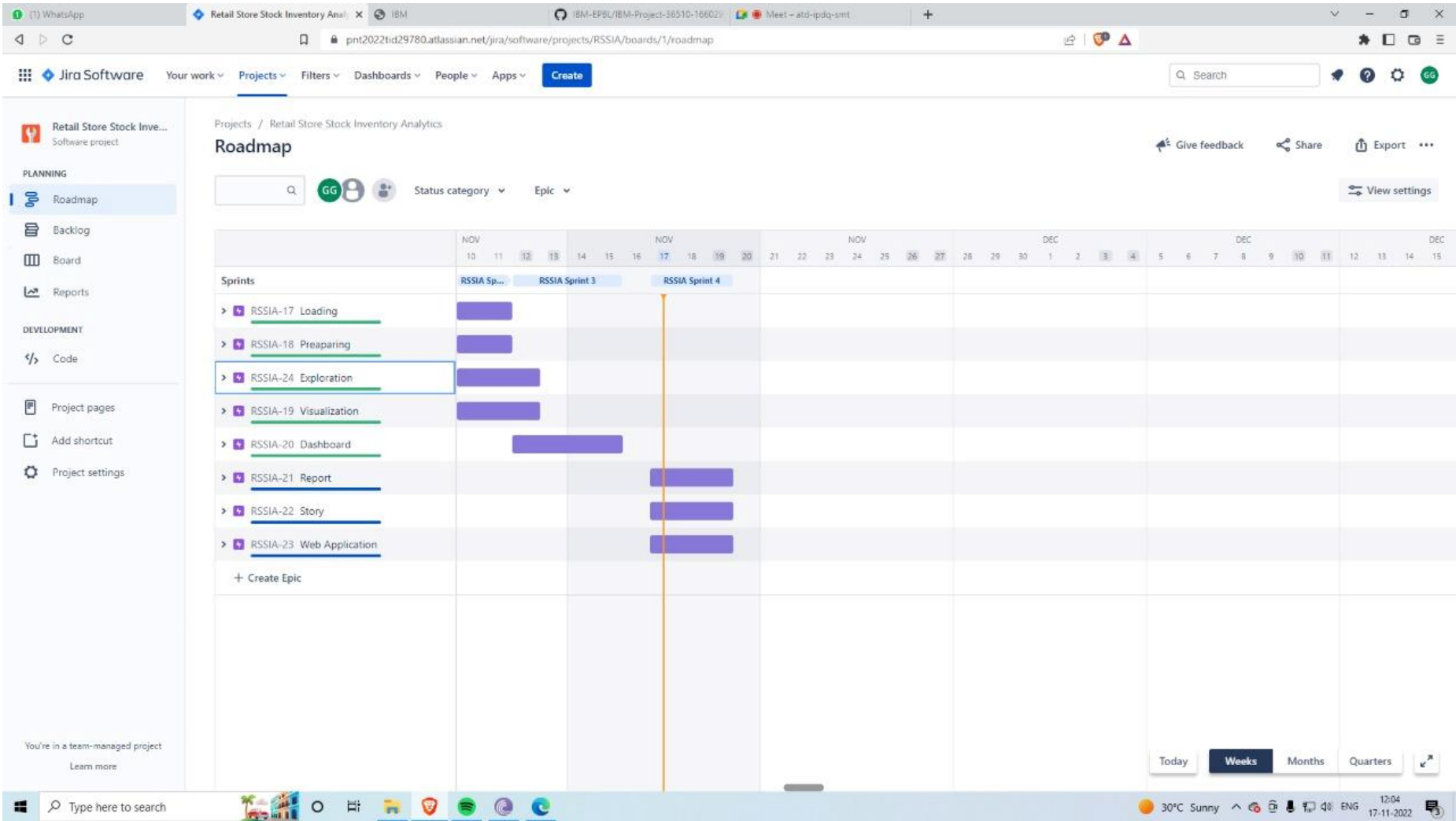




**Overall burnout chart:**



Roadmap :



<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/> <https://www.atlassian.com/agile/tutorials/burndown-charts>  
**Reference:** <https://www.atlassian.com/agile/project-management> <https://www.atlassian.com/agile/tutorials/how-to-doscrum-with-jira-software> <https://www.atlassian.com/agile/tutorials/epics> <https://www.atlassian.com/agile/tutorials/sprints>  
<https://www.atlassian.com/agile/project-management/estimation> <https://www.atlassian.com/agile/tutorials/burndown-charts>  
<https://pnt2022tid29780.atlassian.net/jira/software/projects/RSSIA/boards/1/roadmap>