

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

Date	03 November 2022
Team ID	PNT2022TMID41177
Project Name	Retail Store Stock Inventory Management
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	IBM Cognos account creation	USN-1	The account is created in IBM Cognos Analytics Account for each person in the team.	2	High	Vetri K Lokesh M Gowtham S Surya T
Sprint-1	Data collection	USN-2	The data is collected and the understanding of data is done in order to present to user.	2	High	Vetri K Lokesh M Gowtham S Surya T
Sprint-2	Data Preparation	USN-3	As a user the accurate data that is prepared can be viewed. The collected data is prepared by restructuring and cleaning	3	High	Vetri K Lokesh M Gowtham S Surya T
Sprint-2	Data Exploration	USN-4	As a user, the visualized data can be view for better understanding about sales, price, stock and revenue. The data exploration is done.	8	High	Vetri K Lokesh M Gowtham S Surya T

<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-3	Build Visualization Charts	USN-5	As a user, I can view the visualization better in the chart form. The visualization chart is build.	8	High	Vetri K Lokesh M Gowtham S Surya T
Sprint-3	Dashboard Creation	USN-6	As a user, I can view the different visualization in dashboard about price, stock, sales and revenue.	8	High	Vetri K Lokesh M Gowtham S Surya T
Sprint-4	Report Creation	USN-7	As a user, I can view the detailed report of the sales, stock, price and revenue. The user gets the detailed report.	8	High	Vetri K Lokesh M Gowtham S Surya T
Sprint-4	Story Creation	USN-8	As a user, I can view the story to get better understanding of sales, stock, price and revenue. The user can decide by viewing the story.	8	High	Vetri K Lokesh M Gowtham S Surya T

### **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	4	6 Days	24 Oct 2022	29 Oct 2022	2	29 Oct 2022
Sprint-2	11	6 Days	31 Oct 2022	05 Nov 2022	11	05 Nov 2022
Sprint-3	16	6 Days	07 Nov 2022	12 Nov 2022	16	07 Nov 2022
Sprint-4	16	6 Days	14 Nov 2022	19 Nov 2022	16	14 Nov 2022

**Velocity:**

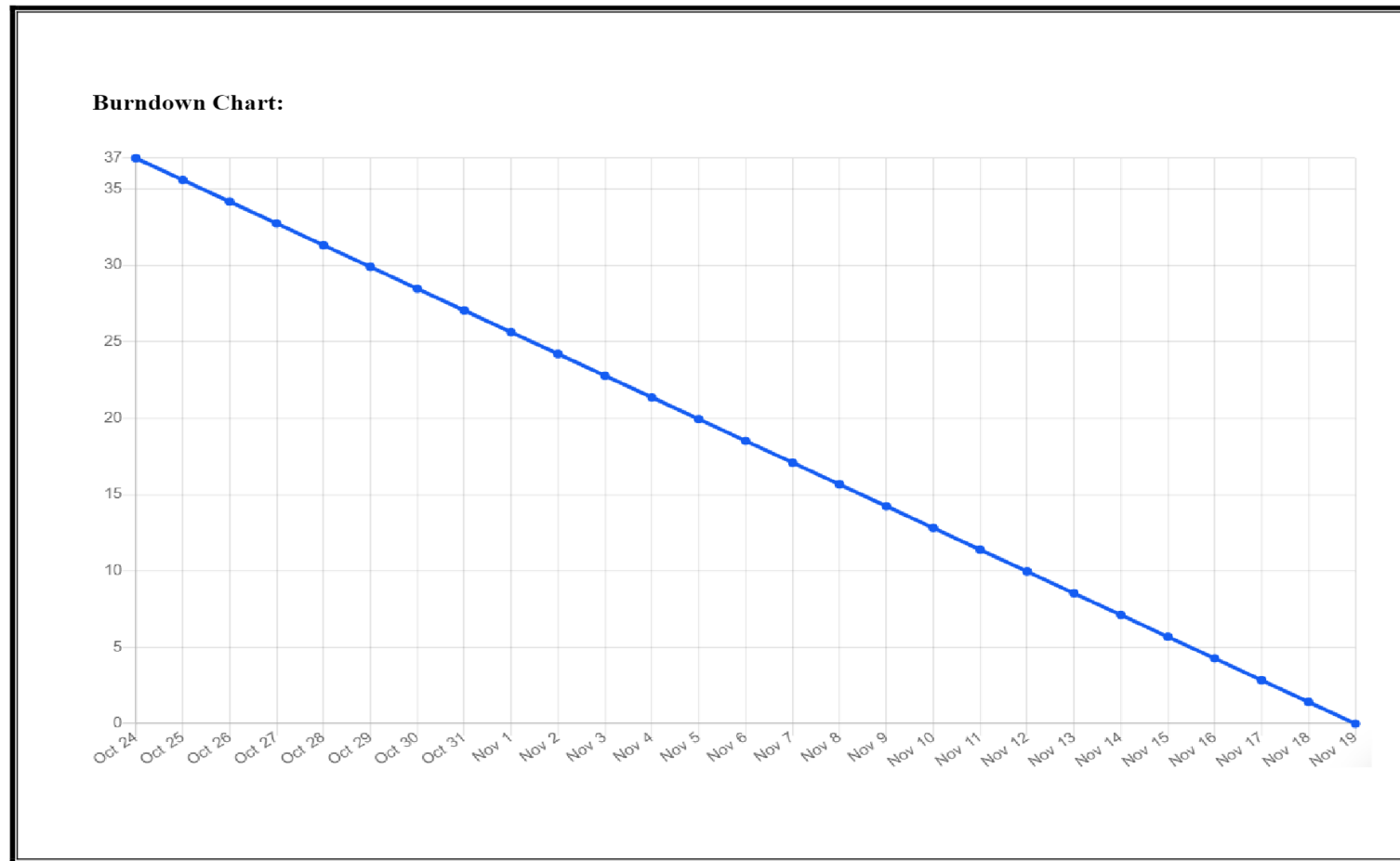
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

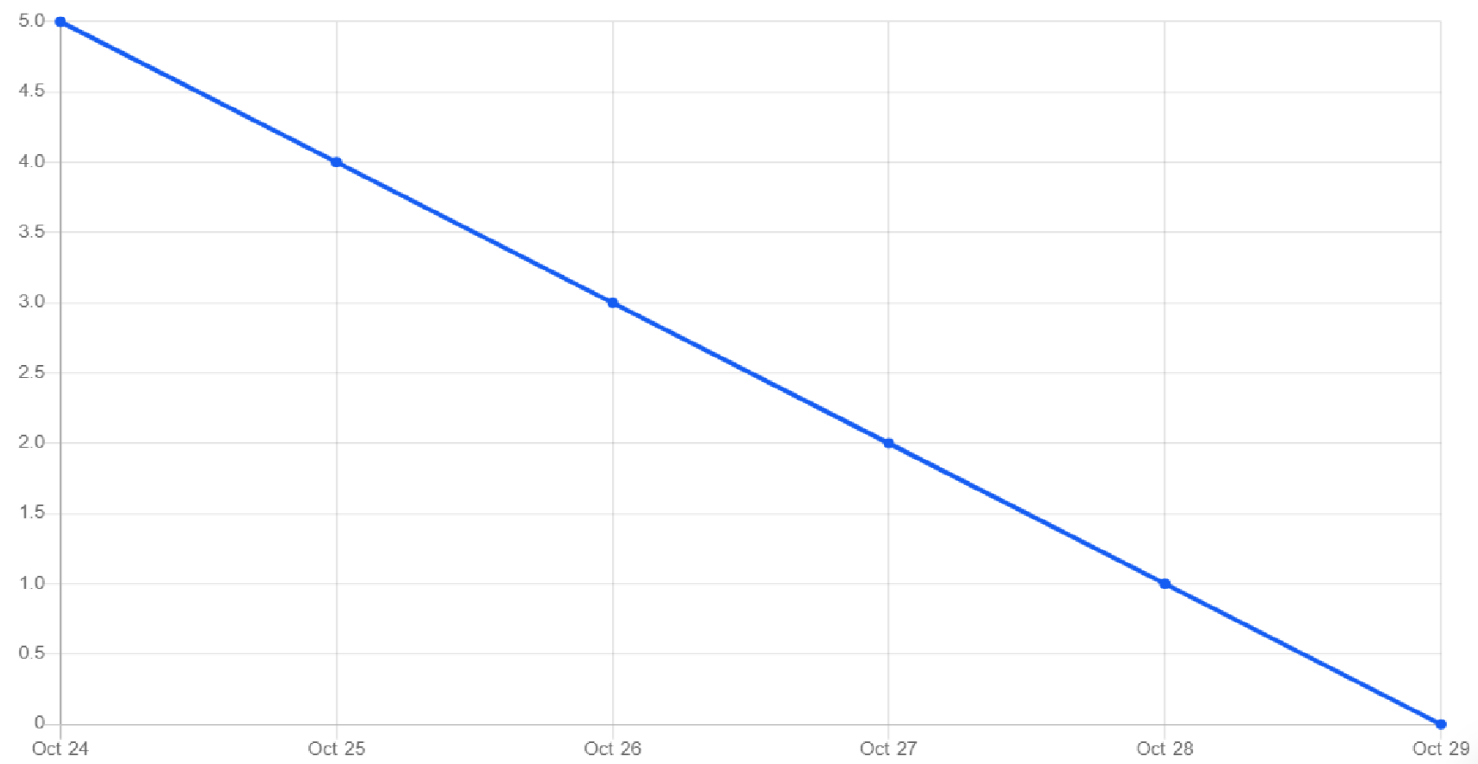
SPRINT	STORY POINT	DURATION	AVERAGE VELOCITY
Sprint -1	4	6	0.66
Sprint -2	11	6	1.83
Sprint -3	16	6	2.66
Sprint -4	16	6	2.66
Total	47	24	1.95

## Burndown Chart:

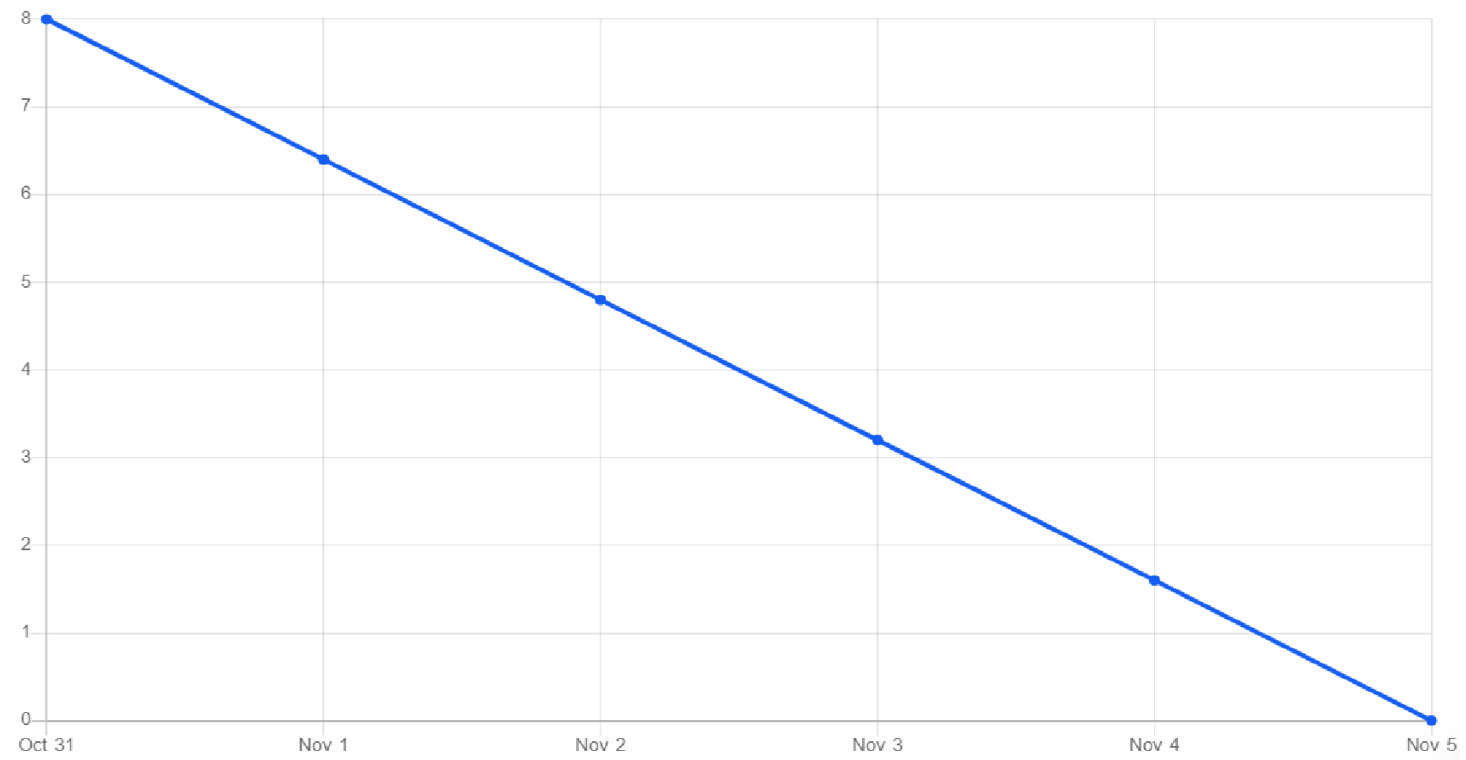
A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



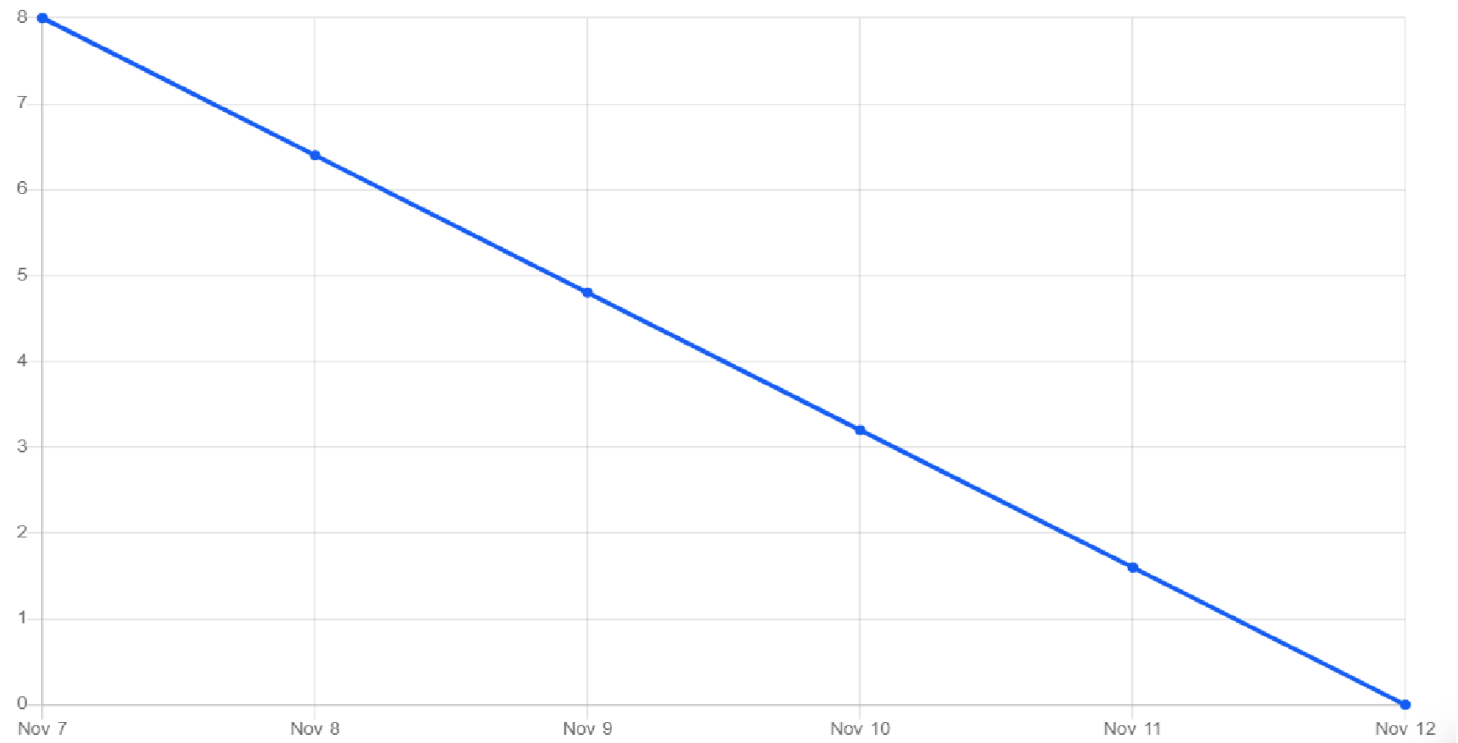
### Sprint-1



### Sprint-2



### Sprint-3



### Sprint-4

