

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

Date	18 October 2022
Team ID	PNT2022TMID32520
Project Name	Project – Retail Store Stock Inventory Analytics
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	Registration by Retailer	USN-1	As a Retailer, can register for the application by entering my email, password, and confirming my password.	1	High	Kathirvelan M, Karthikeyan R
Sprint-1	Retailer Registration Confirmation	USN-2	As a Retailer, will receive confirmation email once have registered for the application	1	High	Kishorekumar SV, Karthikeyan M
Sprint-2	Register through Facebook	USN-3	As a Retailer, can register for the application through Facebook	3	Low	Kathirvelan M, Kishorekumar SV
Sprint-2	Register through Gmail	USN-4	As a Retailer, can register for the application through Gmail	5	Medium	Karthikeyan R, Karthikeyan M
Sprint-1	Login by Retailer	USN-5	As a Retailer, can log into the application by entering email & password	1	High	Kathirvelan M
Sprint-1	Registration by Customer	USN-6	As a customer, can register for the application by entering my email, password, and confirming my password.	1	High	Karthikeyan R

<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-1	Customer Registration Confirmation	USN-7	As a customer, will receive confirmation email once have registered for the application	1	High	Kishorekumar SV
Sprint-2	Register through Facebook	USN-8	As a customer, can register for the application through Facebook	3	Low	Karthikeyan M
Sprint-2	Register through Gmail	USN-9	As a customer, can register for the application through Gmail	5	Medium	Kathirvelan M, Kishorekumar SV
Sprint-1	Login by Customer	USN-10	As a customer, can log into the application by entering email & password	1	High	Kathirvelan M
Sprint-3	Dashboard for Graphical Representations	USN-11	Can analyse the inventory by graphical representations and easily identify or predict the current trend products	5	High	Kathirvelan M, Karthikeyan R
Sprint-3	Dashboard for get Product Information	USN-12	As a customer can acquire Various Products Information	5	Medium	Kishorekumar SV, Karthikeyan M
Sprint-4	Backup and maintain the data	USN-13	As an Administrator can take the backup and maintain the backend	4	High	Kathirvelan M, Karthikeyan R
Sprint-4	Maintenance of Customer Details	USN-14	As an Administrator can maintain customer details	5	Medium	Karthikeyan R, Karthikeyan M
Sprint-4	Add, Update and Delete Operations	USN-15	As a Administrator can update, add or remove Products	5	Medium	Karthikeyan R

**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	6	6 Days	24 Oct 2022	29 Oct 2022	6	29 Oct 2022
Sprint-2	16	6 Days	31 Oct 2022	05 Nov 2022	16	05 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	12 Nov 2022	10	12 Nov 2022
Sprint-4	14	6 Days	14 Nov 2022	19 Nov 2022	14	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)

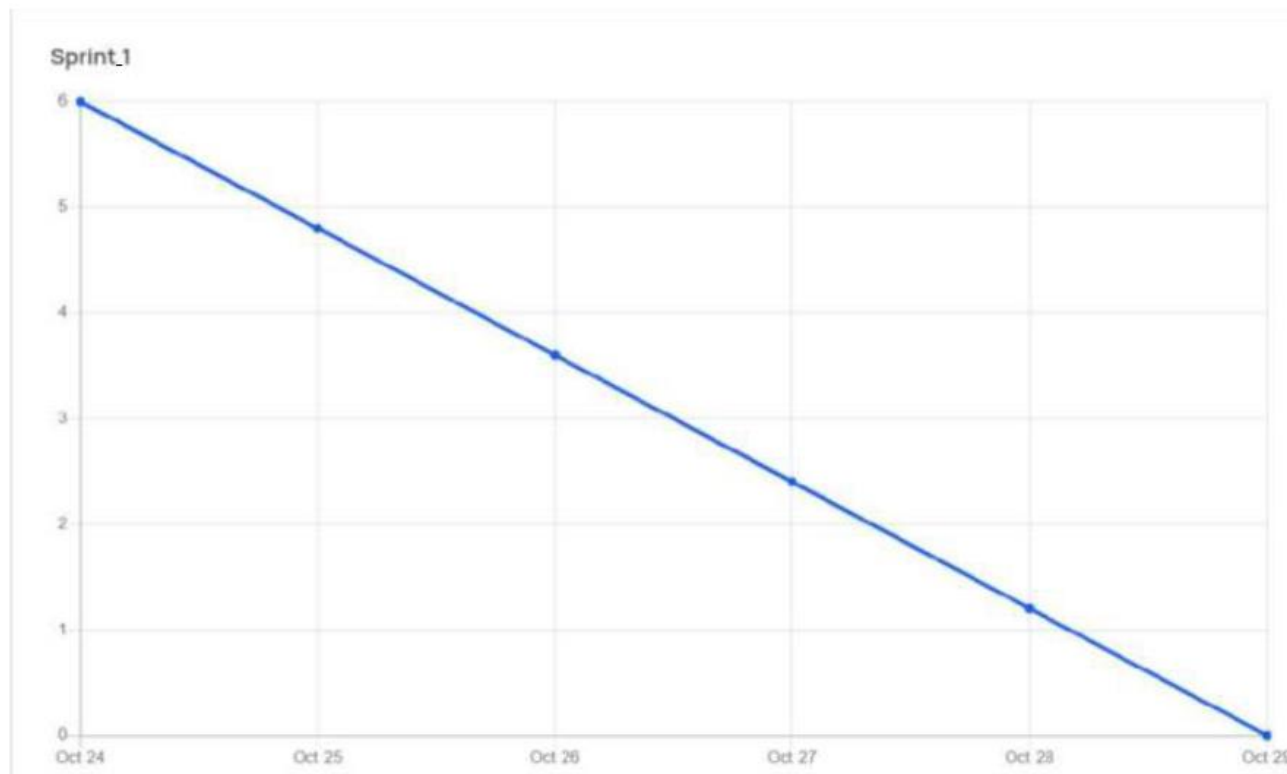
$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Sprint	Total Story Points	Duration	Average Velocity
Sprint-1	6	6 Days	6 / 6 = 1
Sprint-2	16	6 Days	16 / 6 = 2.67
Sprint-3	10	6 Days	10 / 6 = 1.67
Sprint-4	14	6 Days	14 / 6 = 2.33
Total	46	24 Days	46 / 24 = 1.91

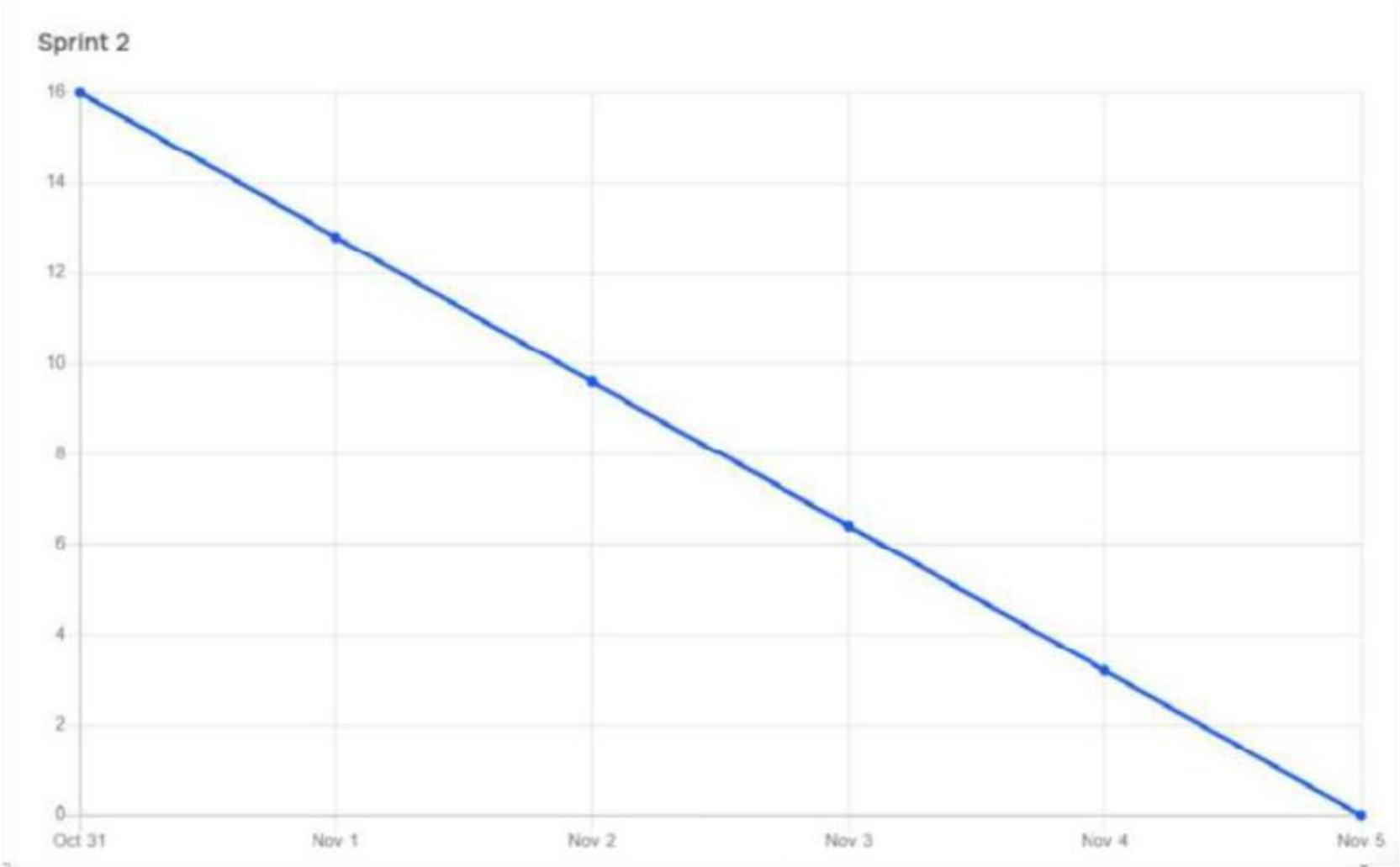
### Burndown Chart:

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.

#### Sprint-1 :



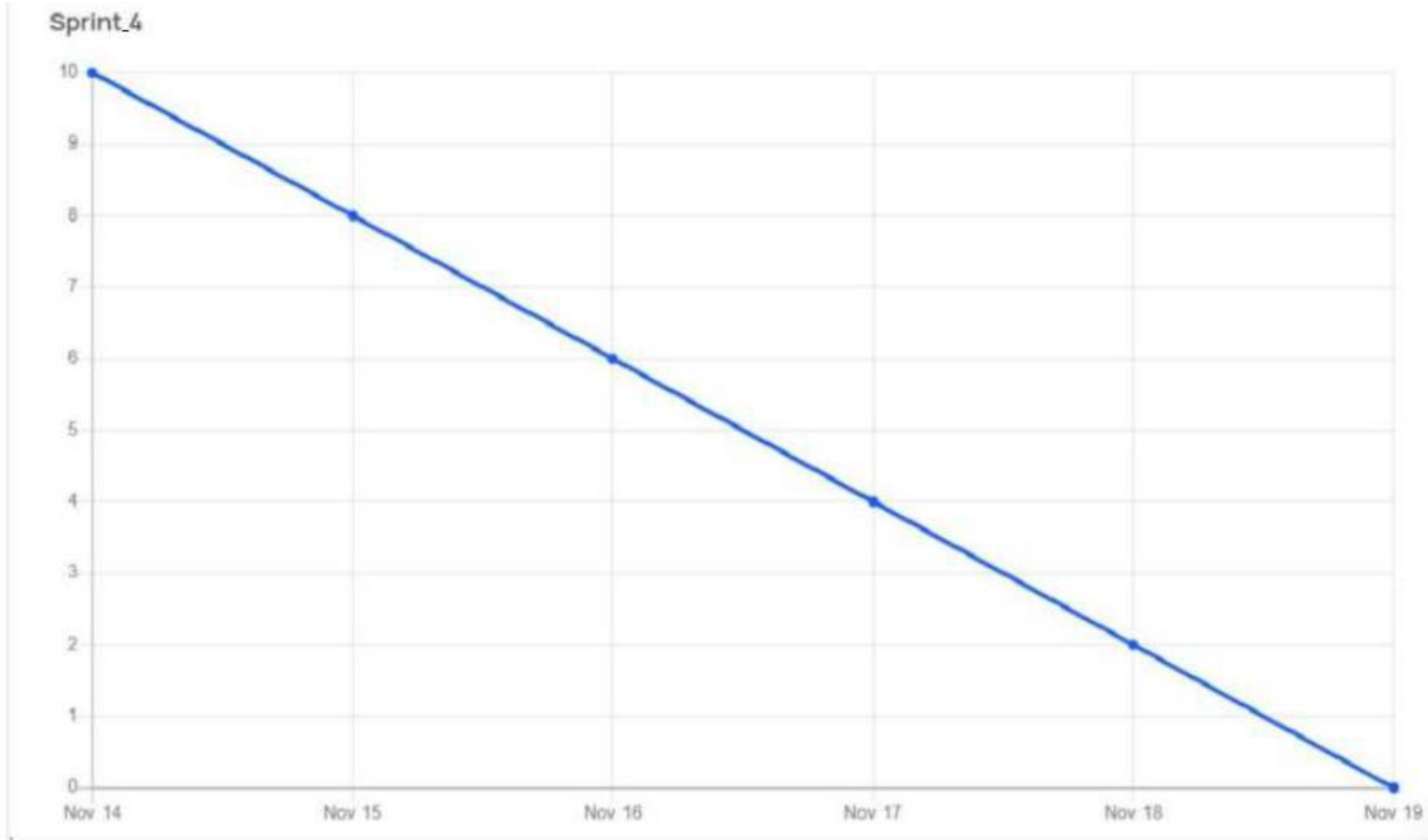
Sprint-2 :



**Sprint-3 :**



**Sprint-4 :**





Overall Burndown Chart :

