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

Team ID	PNT2022TMID48730
Project Name	Retail Store Stock Inventory Analytics

Product Backlog, Sprint Schedule, and Estimation:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email onceI have registered for the application	1	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-2	Registration through Facebook	USN-3	As a user, I can register for the applicationthrough Facebook	2	Low	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-1	Registration throughGmail	USN-4	As a user, I can register for the applicationthrough Gmail	2	Medium	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-1	Login	USN-5	As a user, I can log into the application byentering email & password	1	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-2	Dashboard	USN-6	As a user, I can view my dashboard and can perform stock prediction and analysis	3	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-2	View list of stocks	USN-7	As a user I can view the list of categorized products and their details	4	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-2	Search products	USN-8	As a user I can search through the productusing barcode	2	Medium	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-3	Report generation	USN-9	As a user I can generate reports based onproduct sales	5	High	Karthik K Sathivel M Sakthivel S Yogaraj M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Stock Prediction	USN-10	As a user I can predict out of stock and less stock for a product	5	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-4	Notification system	USN-11	As a user I can view notification for expired andout of stock products	4	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-4	Re-Ordering stock	USN-12	As a user I can reorder stocks based on predictions and notification	3	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-2	Updating stock	USN-13	As a user I can add/delete products	5	High	Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-4	Invoice generation	USN-14	As a user I can generate invoice calculatingtaxes, discount and calculate credits	4High		Karthik K Sathivel M Sakthivel S Yogaraj M
Sprint-4	Discount system	USN-15	As a user I can provide discount based on credit points	3	Medium	Karthik K Sathivel M Sakthivel S Yogaraj M

Project Tracker, Velocity & Burndown Chart:

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	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).
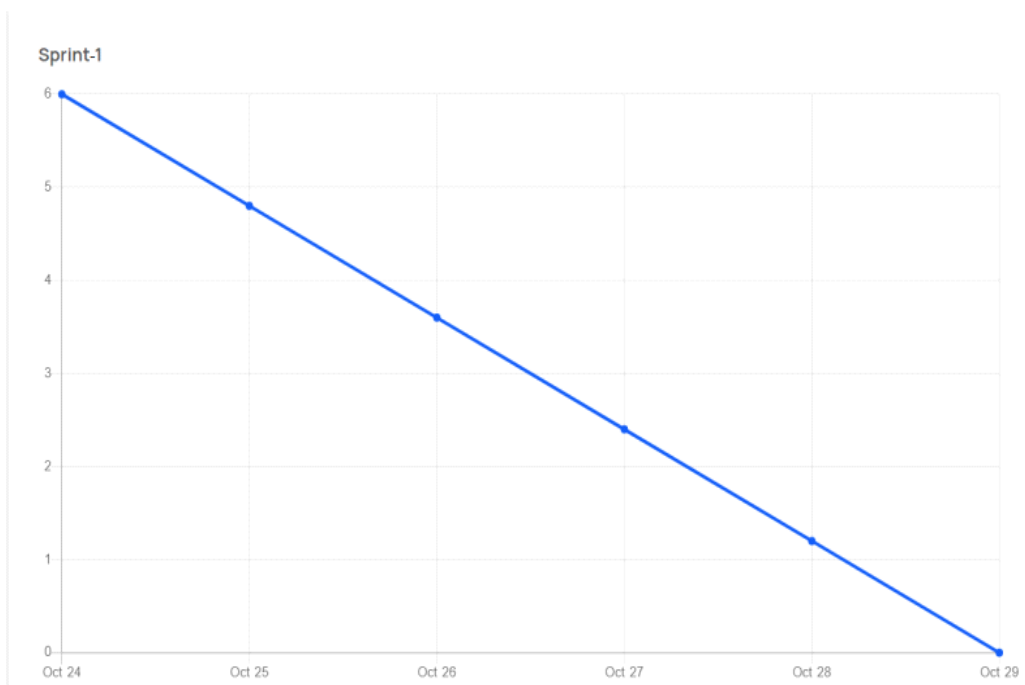Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

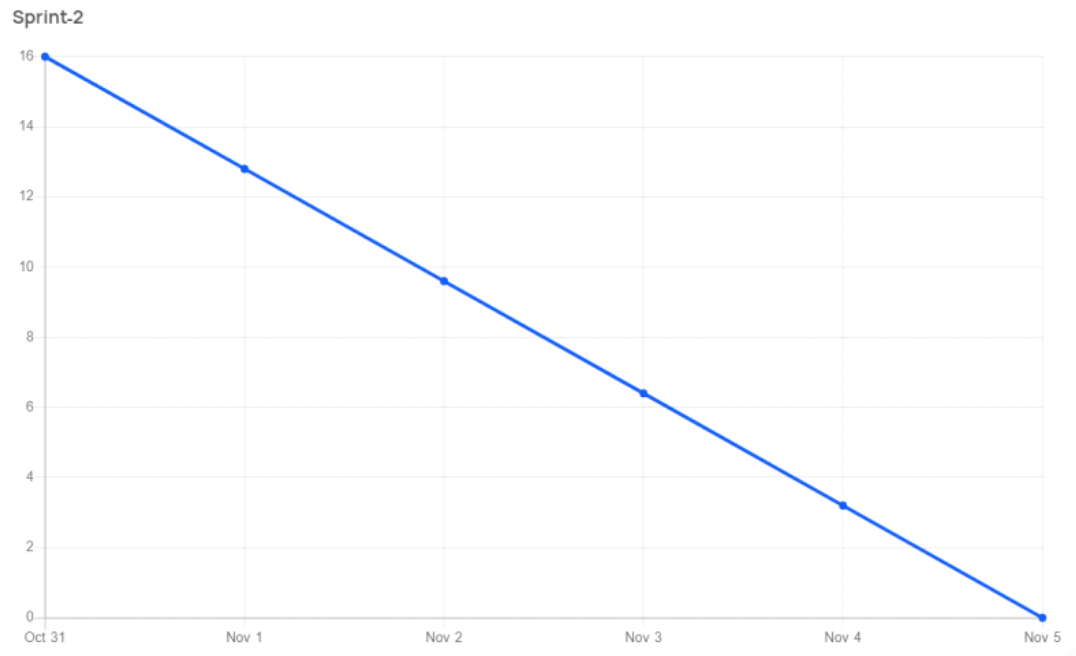| Sprint	Total Story Points	Duration	Average Velocity
Sprint-1	6	6 Days	6/6=1
Sprint-2	6	6 Days	16/6=2.6
Sprint-3	10	6 Days	10/6=1.67
Sprint-4	14	6 Days	14/6=2.33
Total	46	24	46/24=1.91

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 suchas Scrum. However, burn down charts can be applied to any project containing measurable progress over time.
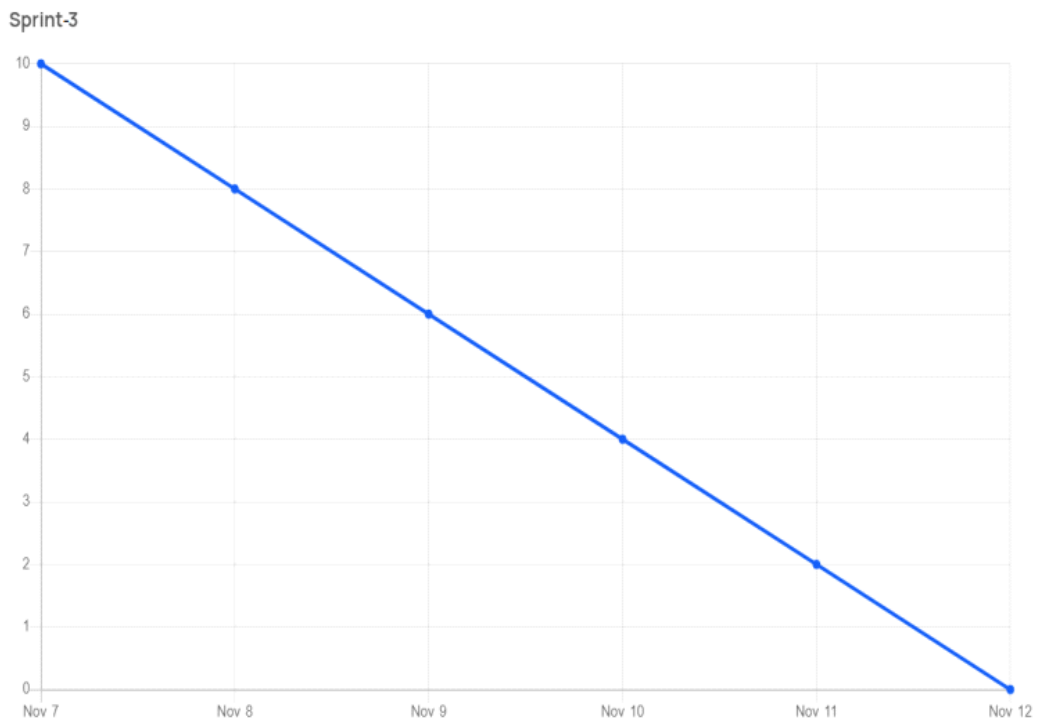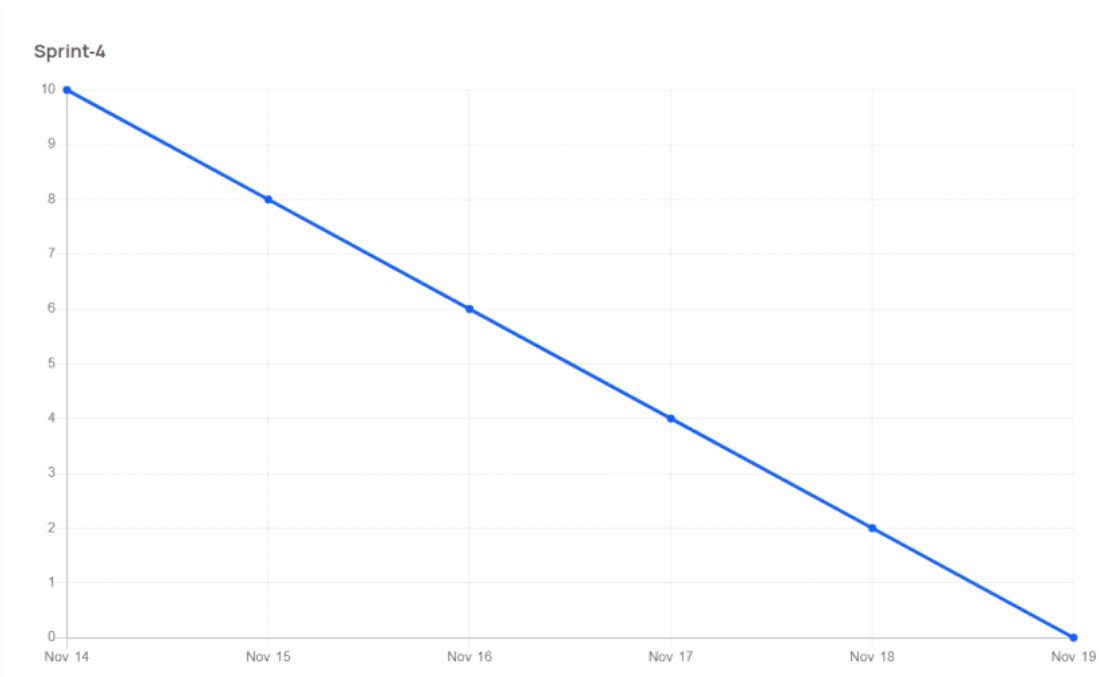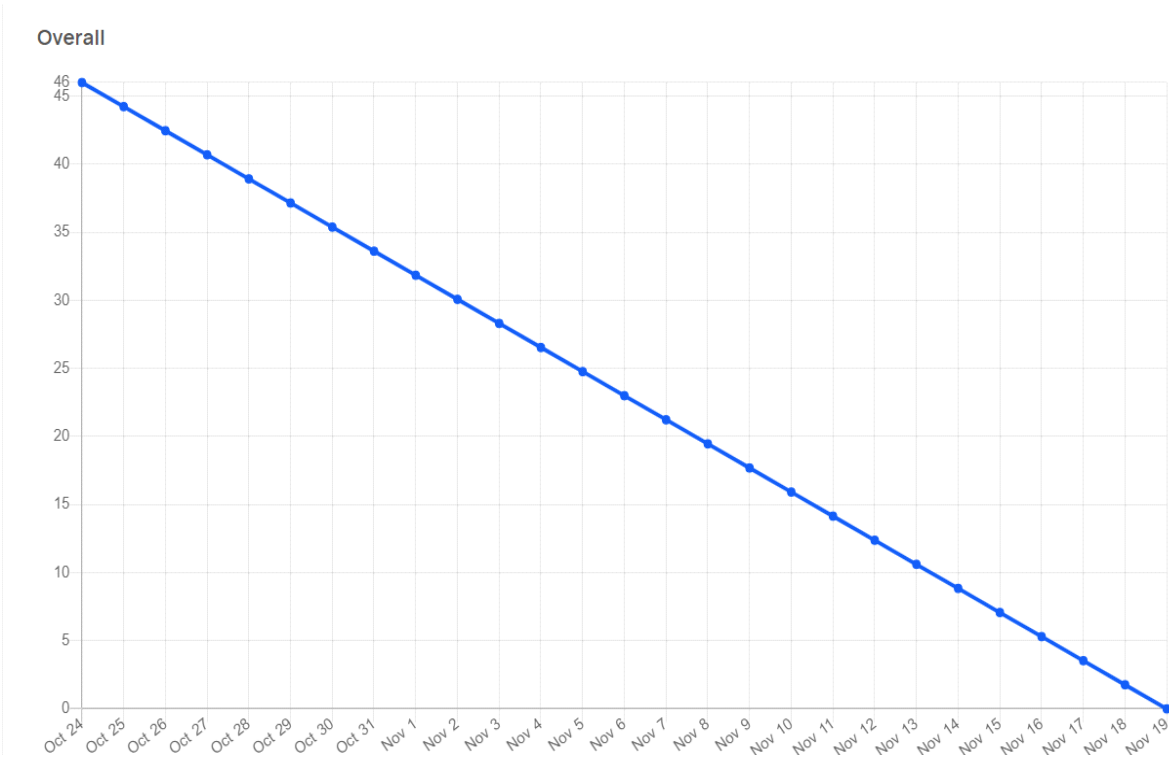
Estimated Effort:

Sprint - 1:

Sprint - 2:

Sprint-2

Sprint - 3:

Sprint-3

Sprint - 4:

Sprint-4

Overall burndown chart:

Overall

Project Planning Tool: