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

Date	26 June 2025
Team ID	LTVIP2025TMID31434
Project Name	CRM Application for Jewel Management - (Developer)

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	Registration	USN-1	As a user, I can register using name, mobile number, email, and password	2	High	B.Harshitha
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	B.Harshitha
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	A.Mahesh
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	B.Harshitha
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	A.Mahesh
Sprint-2	Inventory	USN-6	As admin, I can generate bills with item, quantity, and price	4	High	A.Siva Shankar
Sprint-2	Inventory	USN-7	As a customer, I can receive a PDF invoice after payment	2	Medium	A.Siva Shankar
Sprint-3	Customer Management	USN-8	As admin, I can add/edit/delete jewellery items in inventory	3	High	A.Sandeep
Sprint-3	Order Processing	USN-9	As admin, I can view stock levels and receive alerts for low stock	2	Medium	A.Sandeep
Sprint-4	Reports	USN-10	As admin, I can view/download sales and billing reports	3	Medium	A.Sandeep

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	20	6 Days	01 June 2025	06 June 2025	20	06 June 2025
Sprint-2	20	6 Days	07 June 2025	12 June 2025	20	12 June 2025
Sprint-3	20	6 Days	13 June 2025	18 June 2025	20	18 June 2025
Sprint-4	20	6 Days	19 June 2025	24 June 2025	20	24 June 2025

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)

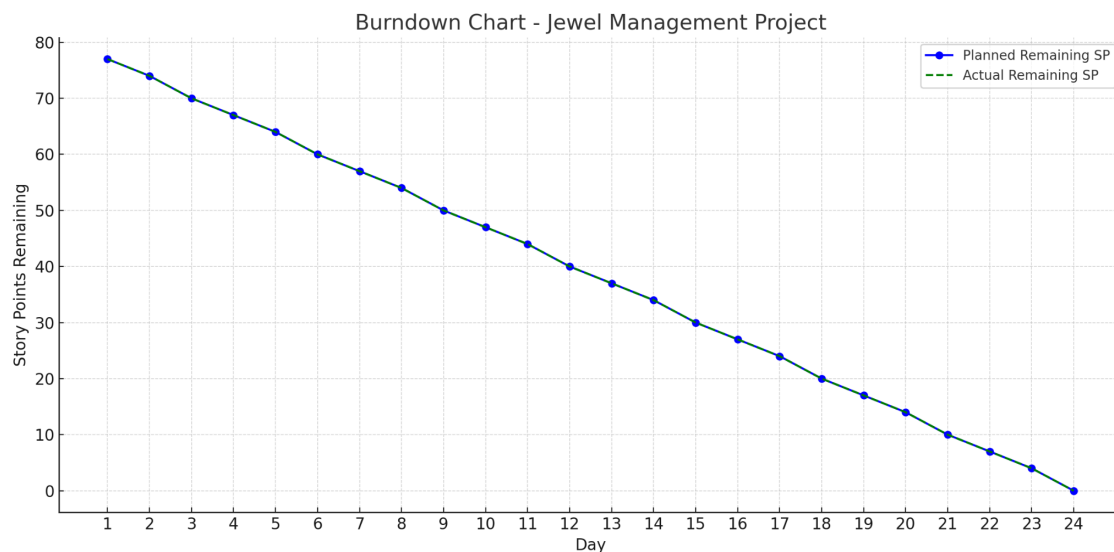$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

📈 **Velocity:**

80 Story Points / 24 Days = 3.33 SP/day

Burndown Chart:

A burndown 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.

Burndown Chart - Jewel Management Project

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-do-scrum-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