Project Planning Phase

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

Date	10 February 2026
Team ID	LTVIP2026TMIDS57513
Project Name	**calculating family expenses using service now**
Maximum Marks	5 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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	1
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	1
Sprint-2	Application	USN-3	As a user, I can register for the application through Facebook	2	Low	1
Sprint-1	GMail	USN-4	As a user, I can register for the application through Gmail	2	Medium	1

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	1
Sprint-2	Dashboard	USN-6	As a user, I can view the dashboard to see summarized data, key metrics, and visual insights in a single screen.	2	High	1
Sprint-3	Reports	USN-7	As a user, I can generate and download reports to analyze detailed data for decision-making.	1	Medium	1
Sprint-3	Profile Management	USN-8	As a user, I can view and update my profile information to keep my account details up to date.	2	High	1

Project Tracker, Velocity & Burndown Chart: (4 Marks)

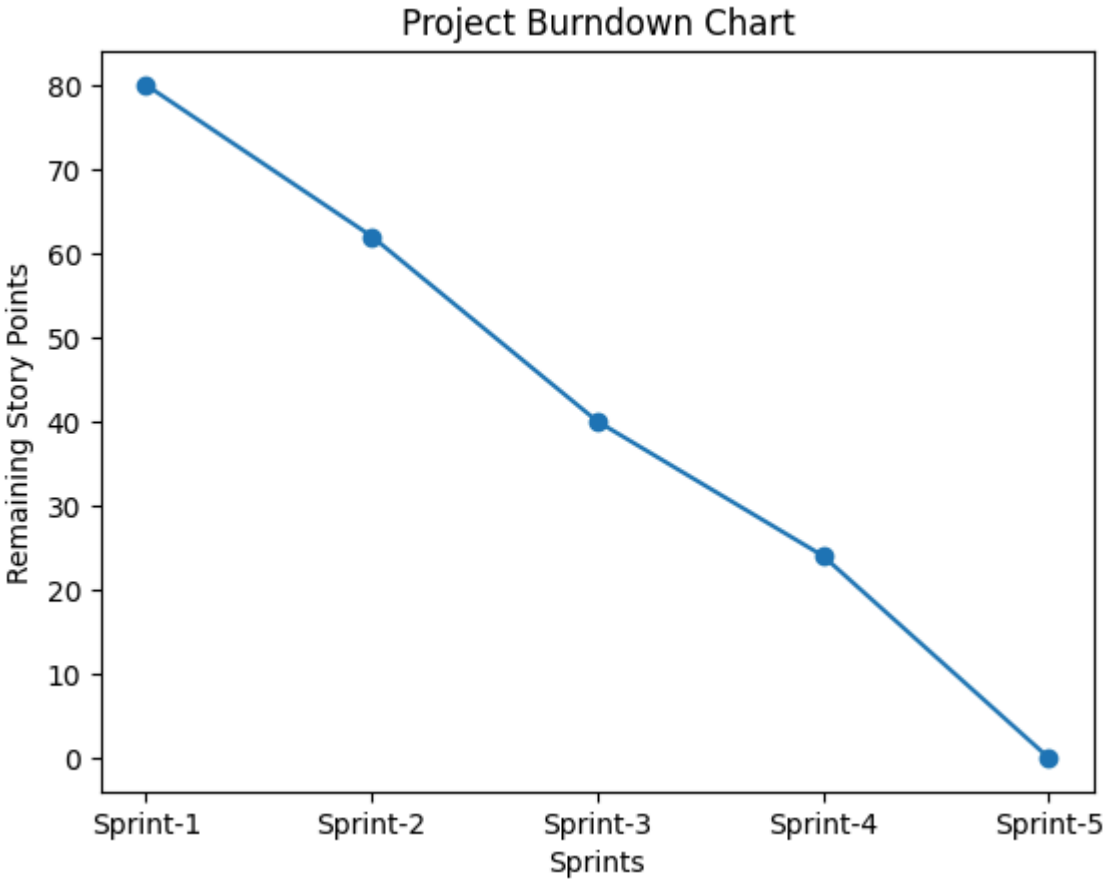
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	1 Jan 2026	9 Jan 2026	20	9 Jan 2026
Sprint-2	20	6 Days	11 Jan 2026	19 Jan 2026	17	19 Jan 2026
Sprint-3	20	6 Days	20 Jan 2026	28 Jan 2026	22	28 Jan 2026
Sprint-4	20	6 Days	30 Jan 2026	6 Feb 2026	15	6 Feb 2026
Sprint-5	20	7 days	7 Feb 2026	13 Feb 2026	13	13 Feb 2026
Sprint-6	20	6 days	14 Feb 2026	21 Feb 2026	20	21 Feb 2026
Sprint-7	20	7 days	21 Feb 2026	28 Feb 2026	11	28 Feb 2026
Sprint-8	20	7 days	2 Mar 2026	10 Mar 2026	18	10 Mar 2026

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)

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

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.


Project Burndown Chart
Remaining Story Points
80
70
60
50
40
30
20
10
0
Sprint-1
Sprint-2
Sprint-3
Sprint-4
Sprint-5
Sprints