

Project Planning Phase

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS61478
Project Name	Gemini historical Artifact Description
Maximum Marks	5 Marks

1. Product Backlog & Sprint Schedule (4 Marks)

Sprint	Functional Requirement (Epic)	User Story No	User Story / Task	Story Points	Priority	Team Members
Sprint-1 Registration	USN-1	User can register using email & password	2	High	—	
Sprint-1 Registration	USN-2	User receives confirmation email	1	High	—	
Sprint-1 Registration	USN-4	User can register through Gmail	2	Medium	—	
Sprint-1 Login	USN-5	User can login using email & password	1	High	—	
Sprint-1 Dashboard	USN-6	Basic dashboard view after login	4	High	—	
Sprint-2 Registration	USN-3	User can register through Facebook	2	Low	—	
Sprint-2 Dashboard	USN-7	Display user profile details	3	Medium	—	
Sprint-2 Dashboard	USN-8	Display analytics/summary data	5	High	—	
Sprint-2 Report	USN-9	Generate downloadable report	5	Medium	—	

Total Story Points

- Sprint-1 = $2 + 1 + 2 + 1 + 4 = 10$
- Sprint-2 = $2 + 3 + 5 + 5 = 15$

2. Project Tracker (4 Marks)

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	18	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	19	19 Nov 2022

Velocity Calculation

Given:

- Sprint Duration = 10 days
- Velocity = 20 Story Points per Sprint

Average Velocity per Day:

Average Velocity (AV) = Total Story Points / Sprint Duration

AV = 20 / 10

AV = 2 Story Points per Day

Burndown Chart Explanation

A Burndown Chart shows:

- X-axis → Time (Days)

- Y-axis → Remaining Story Points

Example (20 Story Points Sprint, 10 Days):

Day Remaining Story Points

Day 1 20

Day 2 18

Day 3 16

Day 4 14

Day 5 12

Day 6 10

Day 7 8

Day 8 6

Day 9 4

Day 10 0

The chart gradually decreases to zero if the sprint is completed successfully.

Final Summary

- Product Backlog organized into Sprints
- Story Points assigned using estimation
- Sprint tracking maintained

- **Velocity = 20 points per sprint**
- **Average Velocity = 2 Story Points per day**
- **Burndown chart tracks daily progress**