

Project Planning Phase

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

Date	15 February 2026
Team ID	LTVIP2026TMIDS24292
Project Name	LearnHub : Your Center for Skill Enhancement
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation

Product Backlog & Sprint Schedule

Sprint	Functional Requirement (Epic)	User Story No	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register using email and password	2	High	Team
Sprint-1	Registration	USN-2	As a user, I receive a confirmation email after registration	1	High	Team
Sprint-1	Registration	USN-3	As a user, I can register using Gmail	2	Medium	Team
Sprint-1	Login	USN-4	As a user, I can log in using email and password	1	High	Team
Sprint-1	Dashboard	USN-5	As a user, I can access my dashboard after login	2	High	Team
Sprint-2	Course Management	USN-6	As a user, I can browse available courses	3	High	Team
Sprint-2	Course Enrollment	USN-7	As a user, I can enroll in a selected course	3	High	Team

Sprint	Functional Requirement (Epic)	User Story No	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Learning Module	USN-8	As a user, I can view course content and videos	3	High	Team
Sprint-3	Assessment	USN-9	As a user, I can take quizzes after lessons	3	Medium	Team
Sprint-3	Progress Tracking	USN-10	As a user, I can track my learning progress	3	Medium	Team
Sprint-4	Certification	USN-11	As a user, I can download course completion certificate	3	Low	Team
Sprint-4	Admin Module	USN-12	As an admin, I can manage courses and users	3	Medium	Team

Project Tracker, Velocity & Burndown Chart

Sprint Tracker

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date
Sprint-1	20	6 Days	01 Feb 2025	06 Feb 2025	20	06 Feb 2025
Sprint-2	20	6 Days	08 Feb 2025	13 Feb 2025	18	13 Feb 2025
Sprint-3	20	6 Days	15 Feb 2025	20 Feb 2025	17	20 Feb 2025
Sprint-4	20	6 Days	22 Feb 2025	27 Feb 2025	19	27 Feb 2025

Velocity Calculation

Sprint Duration: 10 days

Team Velocity: 20 story points per sprint

Average Velocity (AV)

$$AV = \frac{\text{Total Story Points}}{\text{Sprint Duration}}$$

$$AV = \frac{20}{10} = 2 \text{ story points per day}$$

This means the team can complete **2 story points per day**, which helps in future sprint planning and estimation.

Burndown Chart

A **Burndown Chart** represents the amount of work remaining versus time. It is used to track sprint progress and ensure timely delivery.

Burndown Chart Explanation (for LearnHub)

- X-axis: Sprint duration (days)
- Y-axis: Remaining story points
- The downward trend indicates progress
- If the line reaches zero on the last day, the sprint is successful

For the LearnHub project, the burndown chart helps the team:

- Track daily progress
- Identify delays early
- Improve sprint planning and delivery

Conclusion

The product backlog, sprint planning, velocity, and burndown tracking ensure that the LearnHub project follows Agile best practices. This structured approach enables timely delivery, efficient resource utilization, and continuous improvement across development cycles.