

## Project Planning Phase

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

Date	24 june 2025
Team ID	LTVIP2025TMID56697
Project Name	LearnHub: Your Center for Skill Enhancement
Maximum Marks	5 Marks

#### Product Backlog and Sprint Schedule – LearnHub Project

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration & Login	USN-1	As a user, I can register by entering name, email, password, and selecting user type	2	High	Kranthi, Dev A
Sprint-1		USN-2	As a user, I can log in using email and password	2	High	Kranthi, Dev B
Sprint-1		USN-3	As a user, I am redirected to my role-based dashboard after login	3	High	Kranthi
Sprint-1		USN-4	As a user, I can navigate through the app via navbar	1	Medium	UI Team
Sprint-2	Course Management	USN-5	As a teacher, I can add courses with category, price, and description	5	High	Kranthi, Dev C
Sprint-2		USN-6	As a student, I can enroll in courses	3	High	Dev B

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-7	As an admin, I can view and delete users	3	Medium	Dev A
Sprint-2		USN-8	As a teacher, I can add sections to courses	2	Medium	Dev C
Sprint-2		USN-9	As a student, I can view my enrolled courses and start them	3	High	Dev B

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#### 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)
<b>Sprint-1</b>	12	5 Days	01 June 2025	05 June 2025	12	05 June 2025
<b>Sprint-2</b>	16	5 Days	06 June 2025	10 June 2025	16	10 June 2025
<b>Sprint-3</b>	18	5 Days	11 June 2025	15 June 2025	18	15 June 2025
<b>Sprint-4</b>	20	5 Days	16 June 2025	20 June 2025	20	20 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

 **Velocity Calculation**

Let's calculate the team's **average velocity (AV)** per iteration unit (Story Points per Day):

- **Total Story Points Completed** = 12 + 16 + 18 + 20 = **66**
- **Total Sprint Days** = 4 Sprints × 5 Days = **20 Days**

**Average Velocity** = Total Story Points / Total Sprint Days = 66 / 20 = **3.3 Story Points per Day**

### **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.

<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>