**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-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 |

**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** | 12 | 5 Days | 01 June 2025 | 05 June 2025 | 12 | 05 June 2025 |
| **Sprint-2** | 16 | 5 Days | 06 June 2025 | 10 June 2025 | 16 | 10 June 2025 |
| **Sprint-3** | 18 | 5 Days | 11 June 2025 | 15 June 2025 | 18 | 15 June 2025 |
| **Sprint-4** | 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](https://www.visual-paradigm.com/scrum/what-is-agile-software-development/) methodologies such as [Scrum](https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/). 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.visual-paradigm.com/scrum/scrum-burndown-chart/)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)

**Reference:**

[**https://www.atlassian.com/agile/project-management**](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/how-to-do-scrum-with-jira-software)

[**https://www.atlassian.com/agile/tutorials/epics**](https://www.atlassian.com/agile/tutorials/epics)

[**https://www.atlassian.com/agile/tutorials/sprints**](https://www.atlassian.com/agile/tutorials/sprints)

[**https://www.atlassian.com/agile/project-management/estimation**](https://www.atlassian.com/agile/project-management/estimation)

[**https://www.atlassian.com/agile/tutorials/burndown-charts**](https://www.atlassian.com/agile/tutorials/burndown-charts)