✅ Project Planning

**Date:**

15 February 2025

**Team ID:**

LTVIP2025TMID49959

**Project Name:**

Your Center for Skill Enhancement (Online Learning Platform)

**Maximum Marks:**

5 Marks

**Product Backlog, Sprint Schedule, and Estimation (4 Marks)**

**Product Backlog Table**

| **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 | Sudha Rani, Bharathi |
| Sprint-1 | Registration | USN-2 | As a user, I will receive a confirmation email once I have registered for the application. | 1 | High | Sindhuja |
| Sprint-1 | Registration | USN-4 | As a user, I can register for the application through Gmail. | 2 | Medium | Nageswari |
| Sprint-2 | Registration | USN-3 | As a user, I can register for the application through Facebook. | 2 | Low | Dharani |
| Sprint-1 | Login | USN-5 | As a user, I can log into the application by entering my email & password. | 1 | High | Bindu Sai |
| Sprint-1 | Dashboard | USN-6 | As a user, I can view my personalized dashboard after logging in. | 3 | High | Sudha Rani, Bharathi |
| Sprint-2 | Courses | USN-7 | As a teacher, I can create a new course with title, description, and sections. | 3 | High | Sindhuja |
| Sprint-2 | Courses | USN-8 | As a student, I can browse and view available courses. | 2 | High | Nageswari |
| Sprint-2 | Payment | USN-9 | As a student, I can make payment for premium courses via Stripe. | 3 | High | Bindu Sai |
| Sprint-3 | Certificates | USN-10 | As a student, I can download my certificate after completing a course. | 2 | High | Dharani |
| Sprint-3 | Discussions | USN-11 | As a user, I can participate in discussion forums under each course. | 3 | Medium | Sudha Rani, Bharathi |
| Sprint-4 | Admin | USN-12 | As an admin, I can manage user accounts and course listings. | 3 | High | Sindhuja, Bindu Sai |
| Sprint-4 | Reports | USN-13 | As an admin, I can view reports of users and course activity. | 2 | Medium | Nageswari |
| Sprint-4 | Mobile Responsive | USN-14 | As a user, I can access the platform on mobile devices without layout issues. | 2 | High | Dharani |

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

**Sprint Schedule**

| **Sprint** | **Total Story Points** | **Duration** | **Sprint Start Date** | **Sprint End Date (Planned)** | **Story Points Completed (Planned)** | **Sprint Release Date (Actual)** |
| --- | --- | --- | --- | --- | --- | --- |
| Sprint-1 | 9 | 6 Days | 24 Feb 2025 | 1 Mar 2025 | 9 | 1 Mar 2025 |
| Sprint-2 | 10 | 6 Days | 3 Mar 2025 | 8 Mar 2025 | 10 | 8 Mar 2025 |
| Sprint-3 | 5 | 6 Days | 10 Mar 2025 | 15 Mar 2025 | 5 | 15 Mar 2025 |
| Sprint-4 | 7 | 6 Days | 17 Mar 2025 | 22 Mar 2025 | 7 | 22 Mar 2025 |

**Velocity Calculation**

* Suppose the team has a **6-day sprint duration.**
* Sprint-1 completed **9 points** → 1.5 points/day
* Sprint-2 completed **10 points** → ~1.67 points/day
* Sprint-3 completed **5 points** → ~0.83 points/day
* Sprint-4 completed **7 points** → ~1.17 points/day

**Average Team Velocity (AV):**

AV=9+10+5+74=7.75 story points per sprintAV = \frac{9 + 10 + 5 + 7}{4} = 7.75 \text{ story points per sprint}AV=49+10+5+7​=7.75 story points per sprint

**Average points/day:**

Avg points/day=7.756≈1.29 points/day\text{Avg points/day} = \frac{7.75}{6} \approx 1.29 \text{ points/day}Avg points/day=67.75​≈1.29 points/day

**Burndown Chart**

A burndown chart shows **total work remaining vs time.**

**Example Data for Sprint-1:**

| **Day** | **Story Points Remaining** |
| --- | --- |
| Day 1 | 9 |
| Day 2 | 8 |
| Day 3 | 6 |
| Day 4 | 4 |
| Day 5 | 1 |
| Day 6 | 0 |

* The chart line goes **downward** as story points are completed each day.
* Helps monitor progress and adjust resources if the team falls behind.

**Tool references for creating your burndown chart visually:**

* [Atlassian – Burndown Charts](https://www.atlassian.com/agile/tutorials/burndown-charts)
* [Visual Paradigm – Scrum Burndown Chart](https://www.visual-paradigm.com/scrum/scrum-burndown-chart/)

**References**

* [Atlassian Agile Project Management](https://www.atlassian.com/agile/project-management)
* [How to Do Scrum with Jira Software](https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software)
* [Atlassian Agile Tutorials](https://www.atlassian.com/agile/tutorials)