**Project Planning Phase**

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

| Date | 26 June 2025 |
| --- | --- |
| Team ID | LTVIP2025TMID32174 |
| Project Name | EduTutor AI: Personalized Learning with Generative AI and LMS Integration |
| Maximum Marks | 5 Marks |

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

Use the below template to create product backlog and sprint schedule

| **Sprint** | **Functional Requirement (Epic)** | **User Story Number** | **User Story / Task** | **Story Points** | **Priority** | **Team Members** |
| --- | --- | --- | --- | --- | --- | --- |
| **Sprint-1** | **Login & Session Managemen** | **USN-1** | **As a student, I want to log in with my name to start using the app.** | **2** | **High** | **Sharon** |
| **Sprint-1** | **Course Sync** | **USN-2** | **As a student, I want to sync subjects so I can generate course-specific quizzes** | **2** | **High** | **Sasidhar** |
| **Sprint-1** | **Session Tracking** | **USN-3** | **As a user, I can track my sessions after login.** | **2** | **Medium** | **Sharon,Sasidhar** |
| **Sprint-1** | **Concept Understanding** | **USN-4** | **As a user, I can enter a concept and get AI-generated explanation.** | **3** | **High** | **Sasidhar** |
| **Sprint-1** | **Quiz Generation** | **USN-5** | **As a student, I want to generate a quiz based on selected subject.** | **3** | **High** | **Sharon** |
| **Sprint-2** | **Answer Evaluation** | **USN-6** | **As a student, I want to submit my quiz answers and get a score.** | **5** | **medium** | **Sharon** |
| **Sprint-2** | **Performance Dashboard** | **USN-7** | **As a student, I want to view my past scores and average performance** | **3** | **Medium** | **Sharon** |
| **Sprint-2** | **Gradio UI Setup** | **USN-8** | **As a developer, I can create a multi-tab UI using Gradio.** | **3** | **High** | **Sharon** |

**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 | 10 | 5 Days | 15 June 2025 | 19 June 2025 | 10 | 19 June 2025 |
| Sprint-2 | 16 | 5 Days | 20 June 2025 | 24 June 2025 | 16 | 24 June 2025 |

Imagine we have a 5-day sprint duration, and the velocity of the team is 13 (points per sprint). Let’s calculate the team’s average velocity (AV) per iteration unit (story points per day)

**AV = sprint duration / velocity = 13 / 5 = 2.6**

**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.

