

Project Planning Phase

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

Date	01 JULY 2025
Team ID	LTVIP2025TMID38204
Project Name	<b>Edututor AI: PERSONALIZED LEARNING WITH GENERATIVE AI And LMS INTEGRATION</b>
Maximum Marks	5 Marks

✔ Product Backlog and Sprint Schedule (Edututor AI)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Registration & Profile Setup	USN-1	As a student, I can register using email and password to access Edututor AI.	2	High	
Sprint-1		USN-2	As a student, I receive a confirmation email after successful registration.	1	High	
Sprint-2		USN-3	As a student, I can register using my institutional LMS account (SSO).	2	Low	
Sprint-1		USN-4	As a student, I can sign up using my Google account to simplify onboarding.	2	Medium	
Sprint-1		USN-5	As a user, I can log in using email and password to access my personalized learning dashboard.	1	High	
Sprint-2		USN-6	As a student, I see recommended learning materials based on my previous activity and preferences.	3	High	
Sprint-2		USN-7	As a student, I can view my progress, quiz history, and learning stats on my dashboard.	3	Medium	

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	LMS Integration	USN-8	As an admin, I can connect Edututor AI to my institution's LMS to import course data.	5	High	
Sprint-2		USN-9	As a student, I can access quizzes and materials from my LMS inside the Edututor AI dashboard.	3		

#### 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	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

#### 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 iteration unit (story points per day)

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

#### **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>