

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

Date	27 June 2025
Team ID	LTVIP2025TMID31153
Project Name	Edu TutorAI-Personalized Learning with Generative AI and LMS Integration
Maximum Marks	5 Marks

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

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 using a username and password.	2	High	Deepika
Sprint-1	Registration	USN-2	As a user, I can log in to my account with name and password.	2	High	Deepika
Sprint-1	Session Tracking	USN-3	As a user, I can track my sessions after login.	2	Medium	Deepika
Sprint-1	Concept Understanding	USN-4	As a user, I can enter a concept and get AI-generated explanation.	3	High	Deepika
Sprint-1	Language Learning	USN-5	As a user, I can choose Hindi or English and learn grammar basics.	3	High	Deepika
Sprint-2	File Upload & Quiz Generator	USN-6	As a user, I can upload a PDF and receive a quiz based on the content.	5	High	Deepika

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Topic-Based Quiz	USN-7	As a user, I can enter a topic and receive a custom quiz.	3	Medium	Deepika
Sprint-2	Gradio UI Setup	USN-8	As a developer, I can create a multi-tab UI using Gradio.	3	High	Deepika

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	03 June 2025	08 June 2025	20	08 June 2025
Sprint-2	20	6 Days	09 June 2025	14 June 2025	19	14 June 2025
Sprint-3	20	6 Days	16 June 2025	21 June 2025	20	21 June 2025
Sprint-4	20	6 Days	23 June 2025	28 June 2025	18	28 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 iteration unit (story points per day)

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

Burndown:

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.



