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

Date	27 June 2025
Team ID	LTVIP2025TMID30136
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	5 Marks

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

Below is the product backlog including estimated story points and a proposed sprint schedule for the Edu-Tutor AI functionalities.

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Chat Functionality	USN-1	As a learner, I want to chat with Edu-Tutor AI to ask questions and get instant responses.	3	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-2	Text Summarization & Explanation	USN-2	As a learner, I want to paste text and choose a summary type (short, detailed, simple) to quickly understand content.	5	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-3	Text Refinement	USN-3	As a learner, I want to paste text and refine it to improve its clarity, grammar, and style.	3	Medium	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-1	Word Meaning & Usage Lookup	USN-4	As a learner, I want to enter a word to get its meaning and example usage to expand my vocabulary.	2	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-1	Sentence Translation	USN-5	As a learner, I want to enter an English sentence and select a target language to get an instant translation.	3	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-1	Quiz Generation	USN-6	As a learner, I want to generate a multiple-choice quiz based on a specific topic.	5	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-2	Quiz Generation	USN-7	As a learner, I want to generate a multiple-choice quiz from an uploaded PDF document.	8	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Quiz Submission & Feedback	USN-8	As a learner, I want to submit my quiz answers and receive immediate, detailed feedback on my performance.	5	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-3	Performance Tracking & Insights	USN-9	As a learner, I want to view my quiz history to track my progress over time.	3	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-3	Performance Tracking & Insights	USN-10	As a learner, I want to identify my "weak areas" based on past quiz performance so I know what topics to focus on.	3	Medium	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-3	Performance Tracking & Insights	USN-11	As a learner, I want to receive suggestions for next steps based on my performance, to guide my learning journey.	2	Medium	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya
Sprint-2	Quiz Reset & New Quiz Initiation	USN-12	As a learner, I want to easily start a new quiz after submitting one or reviewing my performance.	1	High	Maddala Poojitha, Gunneri Likhitha, Srikumar Poojasree, Alaga Lavanya

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	13	5 Days	06 Jun 2025	12 Jun 2025	13	12 Jun 2025
Sprint-2	19	5 Days	13 Jun 2025	19 Jun 2025	19	19 Jun 2025
Sprint-3	11	5 Days	20 Jun 2025	26 Jun 2025	11	26 Jun 2025

Velocity Calculation:

According to the planned story points accomplished per sprint:

•Total Story Points Accomplished: 13 (Sprint 1) + 19 (Sprint 2) + 11 (Sprint 3) = 43 Story Points

•Number of Sprints: 3 Sprints

•Calculated Velocity = Total Story Points Accomplished / Number of Sprints

•Velocity = 43 / 3 = ~14.33 Story Points per Sprint

The team's velocity, according to this plan, would be around 14.33 Story Points per Sprint.

Burndown Chart:

A burndown chart is a graphical display of work remaining to be done against time. It is used to monitor the work remaining in a project or a sprint with the passage of time. To develop a burndown chart for this project, you would graph:

•The X-axis: Sprint days (for example, Day 1 to Day 5).

•The Y-axis: Remaining Story Points in that sprint.

•You would then graph a line indicating the ideal burndown (a straight line from the total sprint story points to zero) and a second line indicating the actual burndown as tasks are finished.