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

Date	26-June-2025
Team ID	LTVIP2025TMID59533
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Set up backend environment (FastAPI)	USN-1	Initialize FastAPI server structure to handle requests from frontend and connect to model services.	2	High	Gunda Lakshmi Naga Venkata Sravya
Sprint-1	Integrate Hugging Face model (Granite)	USN-2	Load IBM Granite model using Hugging Face API to generate quiz, explanation, and summary from user input.	1	High	Gunda Lakshmi Naga Venkata Sravya
Sprint-1	Build basic frontend with Streamlit	USN-3	Design a clean, responsive UI using Streamlit for users to input text and receive AI-generated responses.	2	Medium	Chintarla Sunil Kumar
Sprint-1	Implement text-to-summary module	USN-4	Generate concise summaries from long text inputs using IBM Granite and display them clearly on the interface.	1	High	Kondapalli KamalPrakash
Sprint-2	Implement quiz generator	USN-5	Create dynamic quiz questions from input using the model and provide real-time feedback for user learning.	3	High	Gunda Lakshmi Naga Venkata Sravya
Sprint-3	Export results as downloadable PDF	USN-6	Enable users to download quiz results, summaries, or explanations in PDF format for offline access.	2	Medium	Garikapati Likitha
Sprint-4	UI polishing, responsiveness, testing	USN-7	Finalize interface aesthetics, test all features, and ensure consistent performance across different screen sizes and browsers.	3	High	Gunda Lakshmi Naga Venkata Sravya

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	16 Jun 2025	25 Jun 2025	20	25 Jun 2025
Sprint-2	20	6 Days	16 Jun 2025	25 Jun 2025	20	25 Jun 2025
Sprint-3	20	6 Days	16 Jun 2025	25 Jun 2025	20	25 Jun 2025
Sprint-4	20	6 Days	16 Jun 2025	25 Jun 2025	20	25 Jun 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)

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