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

Date	27 June 2025
Team ID	LTVIP2025TMID32976
Project Name	EduTutor AI: Personalized Learning with Generative AI and LMS Integration
Maximum Marks	5 Marks

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

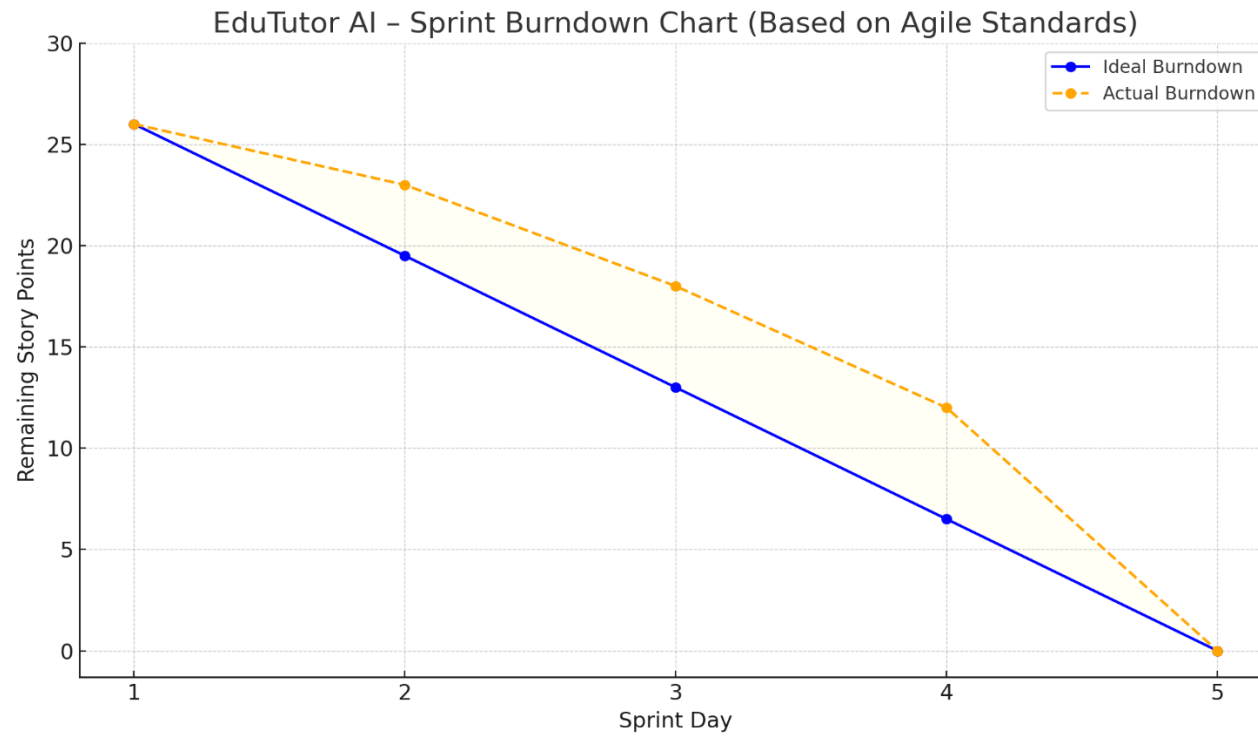Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Streamlit UI	USN-1	As a user, I can register using a username and password.	2	High	Lavanya, Bhavya
Sprint-1	Output Formatting	USN-2	As a user, I can log in to my account with name and password.	2	High	Lavanya
Sprint-1	Mode Switching Logic	USN-3	As a user, I can track my sessions after login.	2	Medium	Bhavya
Sprint-2	MCQ Generator Prompting	USN-4	As a user, I can enter a concept and get AI-generated explanation.	3	High	Lavanya
Sprint-2	Answer Formatting	USN-5	As a user, I can choose Hindi or English and learn grammar basics.	3	High	Bhavya
Sprint-3	Watsonx Integration	USN-6	As a user, I can upload a PDF and receive a quiz based on the content.	5	High	Lavanya
Sprint-3	Streamlit Deployment	USN-7	As a user, I can enter a topic and receive a custom quiz.	3	Medium	Bhavya
Sprint-3	Error Handling	USN-8	As a developer, I can create a multi-tab UI using Gradio.	3	High	Lavanya

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)

$$\text{AV = sprint duration / velocity} \; = \; 13 / 5 \; = 2.6$$

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 methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

EduTutor AI – Sprint Burndown Chart (Based on Agile Standards)

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts