

## Project Planning Phase

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

Date	26 June 2025
Team ID	LTVIP2025TMID33995
Project Name	EDUTUTOR AI – Personalized AI-Powered Learning Platform
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/Login	USN-1	As a user, I can register/login using Google OAuth	3	High	Ganeswar, Deepika
Sprint-1	Quiz Input	USN-2	As a student, I can enter a topic and number of questions to generate a quiz	2	High	Ganeswar, Deepika
Sprint-1	Quiz Generation	USN-3	As a student, I can generate personalized quiz using IBM WatsonX	3	High	Ganeswar, Deepika
Sprint-2	Submission and Feedback	USN-4	As a student, I can submit quiz answers and get instant feedback	2	Medium	Ganeswar, Deepika
Sprint-2	History Storage	USN-5	As a student, my quiz history is stored in Pinecone	2	Medium	Ganeswar, Deepika
Sprint-3	Educator Dashboard	USN-6	As an educator, I can view analytics of student performance	3	High	Ganeswar, Deepika

<b>Sprint-3</b>	<b>Google Classroom Integration</b>	<b>USN-7</b>	<b>As a teacher, I can sync student data from Google Classroom</b>	<b>3</b>	<b>Medium</b>	<b>Gnaneswar, Deepika</b>
<b>Sprint-4</b>	<b>Streamlit UI Polish</b>	<b>USN-8</b>	<b>As a user, I can navigate through the student and educator panels easily</b>	<b>2</b>	<b>Medium</b>	<b>Gnaneswar, Deepika</b>

#### Project Tracker, Velocity & Burndown Chart: (4 Marks)

<b>Sprint</b>	<b>Total Story Points</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed</b>	<b>Sprint Release Date</b>
<b>Sprint-1</b>	<b>8</b>	<b>12 June 2025</b>	<b>16 June 2025</b>	<b>8</b>	<b>16 June 2025</b>
<b>Sprint-2</b>	<b>4</b>	<b>17 June 2025</b>	<b>21 June 2025</b>	<b>4</b>	<b>21 June 2025</b>
<b>Sprint-3</b>	<b>6</b>	<b>22 June 2025</b>	<b>26 June 2025</b>	<b>6</b>	<b>26 June 2025</b>
<b>Sprint-4</b>	<b>2</b>	<b>27 June 2025</b>	<b>30 June 2025</b>	<b>2</b>	<b>30 June 2025</b>

#### 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)

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

## Average Velocity Calculation

- Total Story Points Completed =  $8 + 4 + 6 + 2 = 20$  points
- Total Duration =  $5 + 5 + 5 + 4 = 19$  days

◇ Average Velocity (AV) per day:

$$AV = \frac{20 \text{ story points}}{19 \text{ days}} \approx 1.05 \text{ points/day}$$
$$\text{AV} = \frac{20 \text{ story points}}{19 \text{ days}} \approx 1.05 \text{ points/day}$$

Burndown Chart:

# Scrum Burndown Chart - EduTutor AI



