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

Date	18 February 2026
Team ID	LTVIP2026TMIDS88973
Project Name	Civil Engineering Insight Studio
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Naga Sruthi Babuvajar
Sprint-1	Registration	USN-2	As a user, I will receive a confirmation email once I have registered for the application.	1	High	Anumula Mounika
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook.	2	Low	Charan Teja Gadde
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail.	2	Medium	Garikimukku Pravallika
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email and password.	1	High	Naga Sruthi Babuvajar
Sprint-1	Login	USN-6	As a user, I can log out of the application securely.	1	High	Anumula Mounika
Sprint-2	Dashboard	USN-7	As a user, I can view my dashboard after logging into the Explore with AI application.	3	High	Naga Sruthi Babuvajar
Sprint-2	Dashboard	USN-8	As a user, I can view my saved and generated travel itineraries on the dashboard.	3	High	Charan Teja Gadde

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed	Sprint Release Date (Actual)
Sprint-1	20	3 Days	01 Feb 2026	03 Feb 2026	20	03 Feb 2026
Sprint-2	20	2 Days	04 Feb 2026	05 Feb 2026	18	05 Feb 2026
Sprint-3	20	3 Days	06 Feb 2026	08 Feb 2026	20	08 Feb 2026
Sprint-4	20	2 Days	09 Feb 2026	10 Feb 2026	19	10 Feb 2026
Sprint-5	20	3 Days	11 Feb 2026	13 Feb 2026	20	13 Feb 2026
Sprint-6	20	2 Days	14 Feb 2026	15 Feb 2026	18	15 Feb 2026
Sprint-7	20	3 Days	16 Feb 2026	18 Feb 2026	20	18 Feb 2026
Sprint-8	20	2 Days	19 Feb 2026	20 Feb 2026	19	20 Feb 2026

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)

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

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.