

Project Planning Phase

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

Date	06/25/25
Team ID	LTVIP2025TMID32040
Project Name	Smart SDLC – AI Enhanced Software Development Lifecycle
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	Sandilyan
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sandilyan
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Aditya, sriniwas
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Sandilyan
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	farheen

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Dashboard	USN-6	As a user, I can view my profile and recent activity on the dashboard.	3	Medium	Sandilyan

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	06/06/25	06/12/25	20	06/12/25
Sprint-2	20	6 Days	06/08/25	06/14/25	18	06/14/25
Sprint-3	20	6 Days	06/12/25	06/16/25	19	06/16/25
Sprint-4	20	6 Days	06/17/25	06/21/25	20	06/21/25

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)

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

Velocity= Total Story Points Completed/ Number of Sprints

Total story Points= 16+8 =24

No of Sprints= 2

Velocity = (16+8)/2= 24/2

12(Story Points per Sprint)

Your team's velocity is 12 Story Points per Sprint.