

Project Planning Phase

Project Planning Template(ProductBacklog,SprintPlanning, Stories, Story points)

Date	25 JUNE 2025
Team ID	LTVIP2025TMID59527
Project Name	Smart SDLC- AI Enhanced Software Development LifeCycle
Maximum Marks	5Marks

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	Assigned Members
Sprint-1	Registration	USN-1	As a user, I can register with email & password	2	High	Member 1
Sprint-1	Registration	USN-2	As a user, I will receive email/OTP confirmation	2	High	Member 2
Sprint-2	Registration (OAuth)	USN-3	As a user, I can register using Gmail or LinkedIn	1	Medium	Member 1
Sprint-1	Login	USN-4	As a user, I can log into the app using credentials	2	High	Member 2
Sprint-2	Code Generation	USN-6	As a user, I can input prompt, choose language/framework, and generate clean code	3	High	Member 4

Sprint-2	Code Generation	USN-6	As a user, I can input prompt, choose language/framework, and generate clean code	3	High	Member 4
Sprint-3	Test Case Generation	USN-7	As a user, I can generate test cases from code or requirements	2	Medium	Member 3
Sprint-2	AI Assistant	USN-8	As a user, I can ask SDLC-related queries and get intelligent responses	2	Medium	Member 4
Sprint-3	Output Management	USN-9	As a user, I can download, copy, or share outputs (code/tests/specs)	1	Low	Member 1

Velocity Calculation

Velocity = Story Points completed per sprint

Average Velocity (AV) = Total story points completed ÷ Total sprint days

= (9 + 8 + 7 + 5) ÷ (4 sprints × 6 days)

= 29 ÷ 24 = 1.21 story points/day

Sprint	Total Story Points	Duration	Sprint Start Date	Planned End Date	Actual End Date	Story Points Completed
Sprint-1	10	6 Days	09 june 2025	13 june 2025	14 june 2025	9
Sprint-2	9	6 Days	13 june 2025	17 june 2025	18 june 2025	8
Sprint-3	8	6 Days	18 june 2025	22 june 2025	23 june 2025	7
Sprint-4	5	6 Days	23 june 2025	26 june 2025	26 june 2025	5

Burndown Chart & Agile References for SmartSDLC

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

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

 <https://www.atlassian.com/agile/project-management>

 <https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>

 <https://www.atlassian.com/agile/tutorials/epics>

 <https://www.atlassian.com/agile/tutorials/sprints>

 <https://www.atlassian.com/agile/project-management/estimation>