

## Project Planning Phase

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

Date	27 june 2025
Team ID	LTVIP2025TMID33968
Project Name	SmartSDLC-AI-Enhanced Software Development Lifecycle
Maximum Marks	5 Marks

#### Product Backlog, Sprint Schedule, and Estimation

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	team lead
Sprint-1	documentation automation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	M faseen
Sprint-2	sprint planning automation	USN-3	As a project manager, I can estimate task effort and plan sprints based on team history.	2	Low	M srikar
Sprint-2	Test Case Generation	USN-4	As a user, I can register for the application through Gmail	2	Medium	
Sprint-3	Login	USN-5	As a QA, I can generate test cases from user stories and functional requirements.	1	High	
Sprint-3	Dashboard & Logs	USN-6		1	low	navadepp
			As an admin, I can view AI-generated logs and sum	1		

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

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
Sprint-1	20	6 Days	21 june 2025	22 june 2025	20	21 june 2025
Sprint-2	20	6 Days	22 Oct 2022	24 Nov 2025	18	24 june 2025
Sprint-3	20	6 Days	25 Nov 2022	26 Nov 2025	20	26 june 2025
Sprint-4	20	6 Days	26 Nov 2022	27 Nov 2025	19	27 june 2025

**Velocity:**

**Sprint Duration = 6 days**

**Total Velocity = Avg(20, 18, 20, 19) = 19.25**

**Average Velocity (AV) = 19.25 / 6 = ~3.2 story points/day**

