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

Functional	User Story	User Story / Task	Story	Priority	Team
Requirement (Epic)	Number		Points		Members
Registration	USN-1	As a user, I can register for the application by	2	High	team lead
		entering my email, password, and confirming my			
		password.			
documentation	USN-2	As a user, I will receive confirmation email once I	1	High	M faseen
automation		have registered for the application			
sprint planning	USN-3	As a project manager, I can estimate task effort and	2	Low	M srikar
automation		plan sprints based on team history.			
Test Case Generation	USN-4	As a user, I can register for the application through	2	Medium	
		Gmail			
Login	USN-5	As a QA, I can generate test cases from user	1	High	
		stories and functional requirements.			
Dashboard & Logs	USN-6		1	low	navadepp
			1		
		As an admin, I can view AI-generated logs and sum			
	Requirement (Epic) Registration documentation automation sprint planning automation Test Case Generation Login	Registration USN-1 documentation automation sprint planning automation Test Case Generation USN-4 Login USN-5	Registration Registration USN-1 As a user, I can register for the application by entering my email, password, and confirming my password. USN-2 As a user, I will receive confirmation email once I have registered for the application Sprint planning automation USN-3 As a project manager, I can estimate task effort and plan sprints based on team history. Test Case Generation USN-4 As a user, I can register for the application through Gmail Login USN-5 As a QA, I can generate test cases from user stories and functional requirements.	Requirement (Epic)NumberPointsRegistrationUSN-1As a user, I can register for the application by entering my email, password, and confirming my password.2documentation automationUSN-2As a user, I will receive confirmation email once I have registered for the application1sprint planning automationUSN-3As a project manager, I can estimate task effort and plan sprints based on team history.2Test Case GenerationUSN-4As a user, I can register for the application through Gmail2LoginUSN-5As a QA, I can generate test cases from user stories and functional requirements.1	Requirement (Epic) Number Points Registration USN-1 As a user, I can register for the application by entering my email, password, and confirming my password. 2 High documentation automation USN-2 As a user, I will receive confirmation email once I have registered for the application 1 High sprint planning automation USN-3 As a project manager, I can estimate task effort and plan sprints based on team history. 2 Low Test Case Generation USN-4 As a user, I can register for the application through Gmail 2 Medium Login USN-5 As a QA, I can generate test cases from user stories and functional requirements. 1 High Dashboard & Logs USN-6 1 low

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	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) = $19.25 / 6 = \sim 3.2$ story points/day