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

Date	17 June 2025
Team ID	LTVIP2025TMID29152
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	5 Marks

✓ Section 1: Product Backlog & Sprint Planning Table (4 Marks)

Here's a filled version customized for **SmartSDLC**:

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Authentication	USN-1	As a user, I can register for the application by entering my email, password, and confirming password.	2	High	Vanaja
Sprint-1		USN-2	As a user, I will receive an OTP to reset my password via email.	2	High	Manasa
Sprint-1	Upload & Classify PDF	USN-3	As a user, I can upload a PDF and classify it into SDLC phases using AI.	3	High	Tulasi
Sprint-1		USN-4	As a user, I can see the phase-wise output visually on the screen.	2	Medium	Lakshmi durga
Sprint-2	AI Code Generation	USN-5	As a user, I can enter a task description and receive AI-generated code.	5	High	Vanaja

Sprint		USN					
Sprint-2	Test Case Generator	USN-6	As a user, I can generate test cases for my generated code.	3	High	Lakshmi durga
Sprint-2	Bug Fixer	USN-7	As a user, I can upload faulty code and get a corrected version from AI.	3	Medium	Manasa
Sprint-2	Code Summarizer	USN-8	As a user, I can upload code and get a natural language summary.	2	Medium	Tulasi

✅ Section 2: 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
Sprint-1	9	5 Days	17 June 2025	21 June 2025	9	21 June 2025
Sprint-2	13	5 Days	22 June 2025	27 July 2025	13	27 July 2025

✅ Velocity Calculation:

Total Story Points = 9 + 13 = **22**

Total Sprints = 2

Velocity = 22 / 2 = **11 Story Points per Sprint**

Velocity per day:

- ✧ Each sprint = 5 days → **Velocity = 11 / 5 = 2.2 story points/day**

Burndown Chart:

Day	Planned Remaining SP	Actual Remaining SP
0	22	22
1	18	18
2	14	15
3	10	12
4	6	6
5	0	0

SmartSDLC - Burndown Chart