Project Planning Phase

Project Planning

(Product Backlog, Sprint Planning, Stories, Story Points)

Date	7 June 2025
Team ID	LTVIP2025TMID31167
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	5 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	C Keerthana Kiran
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Charan Katkam
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook.	2	Low	Charan Katkam
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail.	2	Medium	C Keerthana Kiran

Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password.	1	High	Both
Sprint-2	Dashboard	USN-6	As a user, I can view my personal dashboard after logging in.	3	High	C Keerthana Kiran
Sprint-2	Code Generator	USN-7	As a user, I can enter a user story and receive Python code.	5	High	Charan Katkam
Sprint-2	Bug Fixer	USN-8	As a user, I can submit buggy code and receive corrected code.	4	Medium	C Keerthana Kiran

Project Tracker, Velocity & Burndown Chart (4 Marks)

Sprint Tracker

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	6	5 Days	26 May 2025	31 May 2025	6	31 May 2025
Sprint-2	14	5 Days	01 June 2025	06 June 2025	14	06 June 2025

Velocity Calculation

- **Total Story Points Completed:** 6 (Sprint-1) + 14 (Sprint-2) = **20**

- **Number of Sprints:** 2

- **Average Velocity:** 20 ÷ 2 = **10 Story Points per Sprint**

- **Velocity per Day:** 10 ÷ 5 = **2 Story Points per Day**