Project Planning Phase

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

Date	27 June 2025
Team ID	LTVIP2025TMID32013
Project Name	SmartSDLC – AI-Enhanced Software Development Lifecycle
Maximum Marks	5 Marks

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	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	Alice, John
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Alice
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Alice
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	John
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Bob
Sprint-2	Dashboard	USN-6	As a user, I can view upcoming events on the dashboard.	3	High	Alice, Bob
Sprint-3	Event Registration	USN-7	As a user, I can register for an event and receive a confirmation message.	3	High	Alice, Bob
Sprint-4	Admin Dashboard	USN-8	As an admin, I can create, update, and delete events.	5	High	John

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	01 May 2025	06 May 2025	20	06 May 2025
Sprint-2	20	6 Days	07 May 2025	13 May 2025	20	13 May 2025
Sprint-3	20	6 Days	14 May 2025	20 May 2025	20	20 May 2025
Sprint-4	20	6 Days	21 May 2025	27 May 2025	20	27 May 2025

Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/
https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

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
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