Project Planning Phase

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

Date	31 january 2026
Team ID	LTVIP2026TMIDS56025
Project Name	Exploratory analysis of rain fall data in india for agriculture
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	Dev-1, Dev-2
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Dev-2
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Dev-2
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	Dev-1
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Dev-1
Sprint-2	Dashboard	USN-7	As a user,i can view my profile details on the dashboard	3	High	Dev-1, Dev-3
Sprint-2	Dashboard	USN-8	As a user, i can see summary statistics and recent activity on the dashboard	3	Medium	Dev-3
Sprint-3	Dashboard	USN-9	As a user,i can update my profile information from the dashboard	2	Medium	Dev-2

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	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Nov 2022
Sprint-5	20	6 Days	21 Nov 2022	26 Nov 2022	20	21 Nov 2022
Sprint-6	20	6 Days	28 Nov 2022	3 Dec 2022	20	28 Nov 2022
Sprint-7	20	6 Days	5 Dec 2022	10 Dec 2022	20	5 Dec 2022
Sprint-8	20	6 Days	12 Dec 2022	17 Dec 2022	20	12 Dec 2022

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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