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

Date	23 October 2022
Team ID	PNT2022TMID02250
Project Name	Project -IOT based smart crop protection for agriculture
Maximum Marks	8 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	Sagar Y
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Samyuktha Rajkumaran
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Rithesh S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Naveen Kumar B
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	
	Dashboard					

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	31Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	07Nov2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	13Nov2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19Nov2022

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	6days	24Oct2022	29Oct2022	20	31Oct2022
sprint-2	20	6days	31Oct2022	05Nov2022	20	07Nov2022
sprint-3	20	6days	07Nov2022	12Nov2022	20	13Nov2022
sprint-4	20	6days	14Nov2022	19Nov2022	20	19Nov2022

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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https://www.atlassian.com/agile/tutorials/burndown-charts