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

Date	18 October 2022
Team ID	PNT2022TMID26387
Project Name	Estimation of crop yield using data analytics
Maximum Marks	8 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.	3	High	Lakshmi C R, Mohana V
Sprint-1	Registration	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Lakshmi C R, Mohana V
Sprint-2	Registration	USN-3	As a user, I can register for the application through Facebook	2	Low	Kaviya V, Prasad M
Sprint-1	Data Extraction	USN-4	As a user, I can register for the application through Gmail	2	Medium	Revathi E
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Revathi E
Sprint-2	Dashboard	USN-6	I can access dashboard of mine.	2	Medium	Kaviya V, Prasad M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Activity	USN-7	I can register for the application through any web browser.	1	Low	Lakshmi C R, Kaviya V
Sprint-3	Access resources	USN-8	I can use my credentials For accessing my resources.	1	High	Prasad M, Mohana V
Sprint-4	Export the Analytics	USN-5	Export the Dashboard	3	High	Revathi E, Kaviya V

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	19 Nov 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.