Project Planning Phase

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

Team ID	PNT2022TMID14253
Project Name	Project – Estimate the 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.	2	High	Nikhil Devi Sri Prasad
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Nikhil Jagan
Sprint-2		USN-3	As a user, I can register for the application through Google	2	Low	Jagade esa Devi Sri Prasad
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Low	Jagadeesa Jagan
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Jagan eesa Nikhil
Sprint- 3	Dashboard	USN-6	As a user, I can freely use my dashboard and explore the features	2	High	Devi Sri Prasad Jagan
Sprint- 2		USN-7	As a user, I can use the credentials to access the resources of my application	2	High	Nikhil Devi Sri Prasad
Sprint- 3		USN-8	Performance of Data manipulations on the application	1	High	Jagade esa Jagan
Sprint- 3	Visualizations	USN-9	I can create dashboards with particular datasets	2	High	Jagan Devi Sri Prasad
Sprint- 4		USN-10	Predictive analysis can be done	1	High	Nikhil Jagadeesa

Sprint- 3		USN-11	I can create stories with particular datasets	2	High	Nikhil Jagan
Sprint- 4		USN-12	I can deliver and export reports according to the dashboards and stories created	2	High	Devi Sri Prasad Jagadeesa

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 us calculate the team's average velocity (AV) per iteration unit (story points per day)

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

AV = Sprint Duration/Velocity = 20/6 = 3