Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID21477
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	Avinash R
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Charupriya S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	High	Karthikeyan B
Sprint-1		USN-4	As a user, I can register for the application through Gmail	1	Medium	Vinoodhini D
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Avinash R
Sprint-2	Dashboard	USN-6	Can use the methods provided in the dashboard	2	Medium	Karthikeyan B
Sprint-2		USN-7	With help of desired results obtained from application ,making profit or loss and Collecting the data and storing it	1	High	Vinoodhini D
Sprint-3		USN-8	Using my own credentials for accessing the data	1	High	Charupriya S
Sprint-3	Visualisation	USN-9	Having a view with geographic data	2	High	Avinash R
Sprint-4		USN-10	Analysis is performed by tools like cognos analytics	1	High	Charupriya S

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 burndown 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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