Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID35575
Project Name	Project – Estimation of Crop Yield Using Data analytics
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	Selva Saranya Varshine
		USN-2	As a user, I can register through Google.	2	Medium	Mythily Sheela
	Login	USN-3	The user can login through their login credentials.	2	High	Selva Saranya Varshine
	Working with Dataset	USN-4	Understanding the dataset.	2	High	Sheela Mythily
		USN-5	Loading the dataset into IBM Cognos	10	High	Mythily Sheela

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	Data Visualization	USN-6	We use various visualization techniques to create various graphs and charts and to highlight the insights of crop yield.	4	Medium	Varshine Selva Saranya
			These Visualization will showcase the Yearly usage of Area in Crop Production.	4	Medium	Mythily Sheela
			Visualization to showcase the top 10 States in Crop Yield Production by Area.	4	Medium	Varshine Selva Saranya
			Visualization to Showcase the Crop Production by State.	4	Medium	Mythily Sheela
			Visualization analytics to represent the states with Seasonal Crop Production using Text representation.	4	Medium	Varshine Selva Saranya
Sprint-3	Creating the Dashboard	USN-7	Creating the Dashboard by using various charts and graphs that we have visualized.	20	High	Mythily Sheela
Sprint-4	Export The Analytics	USN-8	Exporting the Created Dashboard obtained from the Sprint 3	20	High	Varshine Selva Saranya

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	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
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.

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

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

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