Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13569
Project Name	Project – Estimate The 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	Priyadharshini
		USN-2	As a user, I will receive confirmation email. I confirmed the mail .	2	High	Priyadharshini
	Login	USN-3	As a user, I can call and request or approach for the dataset.	2	Medium	Priyadharshini
Sprint-2	Working with the data set	USN-4	Work on the given dataset, understand the given dataset.	2	Medium	Priyadharshini

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN-5	Load the dataset to cloud platform	2	High	Priyadharshini
Sprint -3	Data Visualization Chart	USN-6	Using the crop production in india dataset, create various graphs and charts to highlight the insights and visualizations. Build the seasons with average productions.	10	High	Priyadharshini
		USN-7	Build the visualizations for with years usage of area and production	4	High	Priyadharshini
		USN-8	Create visualizations for Top 10 States with most area	4	High	Priyadharshini
		USN-9	Create visualizations for state with crop production	4	High	Priyadharshini
		USN-10	Create state with crop production along with Season (text table) in cognos	4	Medium	Priyadharshini
Sprint-4	Creating The Dashboard	USN-11	In Cognos, create the dashboard using the dataset.	20	High	Priyadharshini
	Export The Analytics	USN-12	Export the created Dashboard	20	High	Priyadharshini

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.
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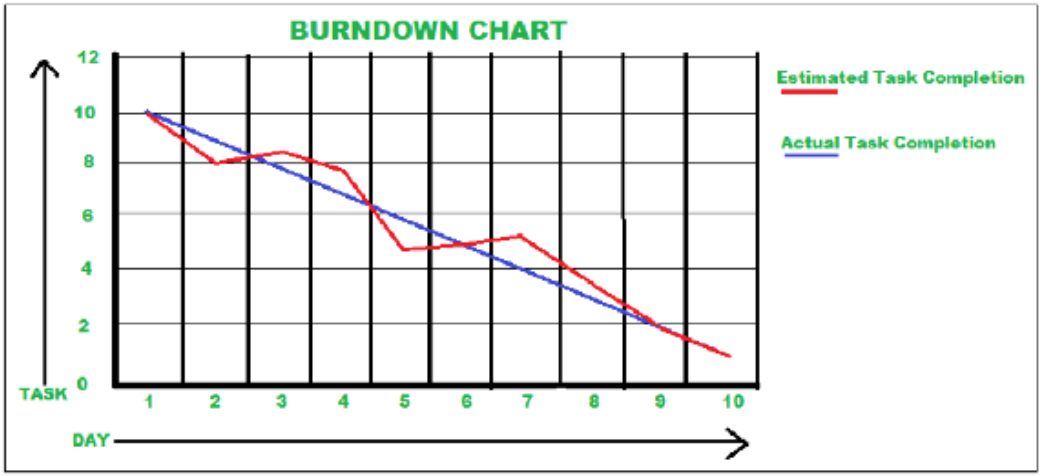

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

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