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

Date	27 October 2022
Team ID	PNT2022TMID13713
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	1	User can register for by entering my Crop yield.	2	High	Nithesh A
		2	User can register for the application through G mail	2	Medium	Sugumaran S
	Login	3	User can request and response for dataset	2	High	Tamizh Selvan N
	Working with the Dataset	4	To work on through the dataset and go through the dataset	2	High	Mohanraj S
		5	Load the dataset through the Ibm cognos platform to perform the analytics.	10	High	Ragul S
Sprint-2	Data Visualization Chart	6	Using their dataset to maintain the visualization and also to create a visualization according their condition.	4	Medium	Ragul S
			Display year-wise usage of Area in Crop Production.	4	Medium	Mohanraj S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Build a visualization top 10 States in Crop Yield Production by Area.	4	Medium	Nithesh A
			Build the Visualization the Crop Production by State.	4	Medium	Sugumaran S
			Build represent States with Seasonal Crop Production using a Text representation.	4	Medium	Tamizh Selvan N
Sprint-3	Creating The dashboard	7	Create the Dashboard by using the created visualizations.	20	High	TamizhSelvan N Ragul S Nithesh A Mohanraj S Sugumaran S
Sprint-4	Export The Analytics	8	Export the created Dashboard	20	High	TamizhSelvan N Ragul S Nithesh A Mohanraj S Sugumaran S

Project Tracker, Velocity & Burndown Chart: (4 Marks)

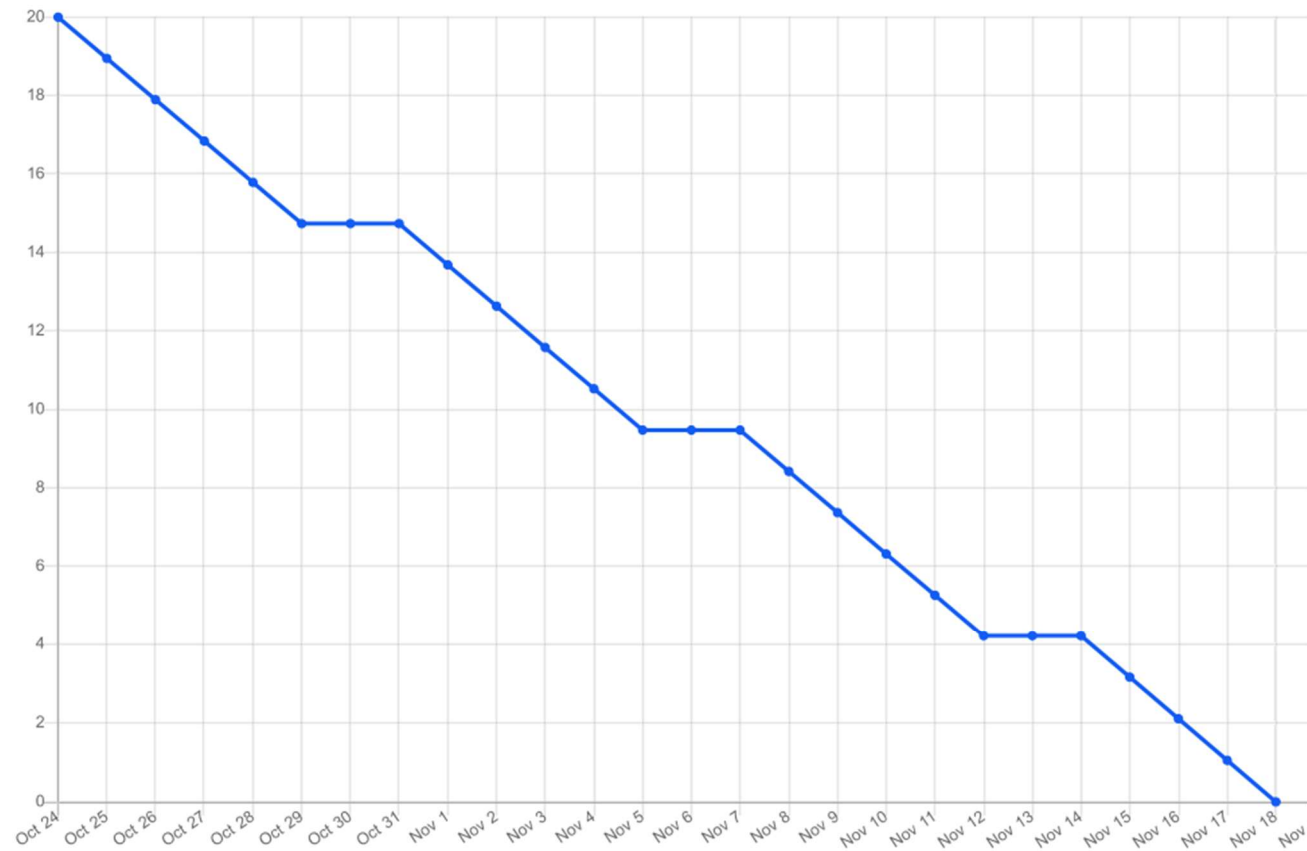| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	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 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.

Burndown Chart

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