Project Planning Phase

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

Date	21 October 2022
Team ID	PNT2022TMID32404
Project Name	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	1	As a user, I can register for by entering my Agricultural - id card and request..	2	High	Balavignesh R
		2	As a user, I can register for the application through G mail	2	Medium	Abishek K
	Login	3	As a user, I can Call and request or Approach for dataset	2	High	Aravinthan S
	Working with the Dataset	4	To work on the given dataset, Understand the Dataset.	2	High	Aravinthan S Balavignesh R
		5	Load the dataset to Cloud platform then Build the required Visualizations.	10	High	Abishek K Biruntha K
Sprint-2	Data Visualization Chart	6	Using the Crop production in Indian dataset, create various graphs and charts to highlight the insights and visualizations. *Build a Visualization to showcase Average Crop Production by Seasons.	4	Medium	Biruntha K Aravinthan S
			*Showcase the Yearly usage of Area in Crop Production.	4	Medium	Biruntha K Balavignesh R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Build a visualization to show case top 10 States in Crop Yield Production by Area.	4	Medium	Balavignesh R Abishek K Aravinthan S
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	Aravinthan S Biruntha K
			Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Abishek K Balavignesh R Aravinthan S
Sprint-3	Creating The dashboard	7	Create the Dashboard by using the created visualizations.	20	High	Abishek K Aravinthan S Biruntha K
Sprint-4	Export The Analytics	8	Export the created Dashboard	20	High	Balavignesh R Aravinthan S Biruntha K

Project Tracker, Velocity & Burndown Chart:

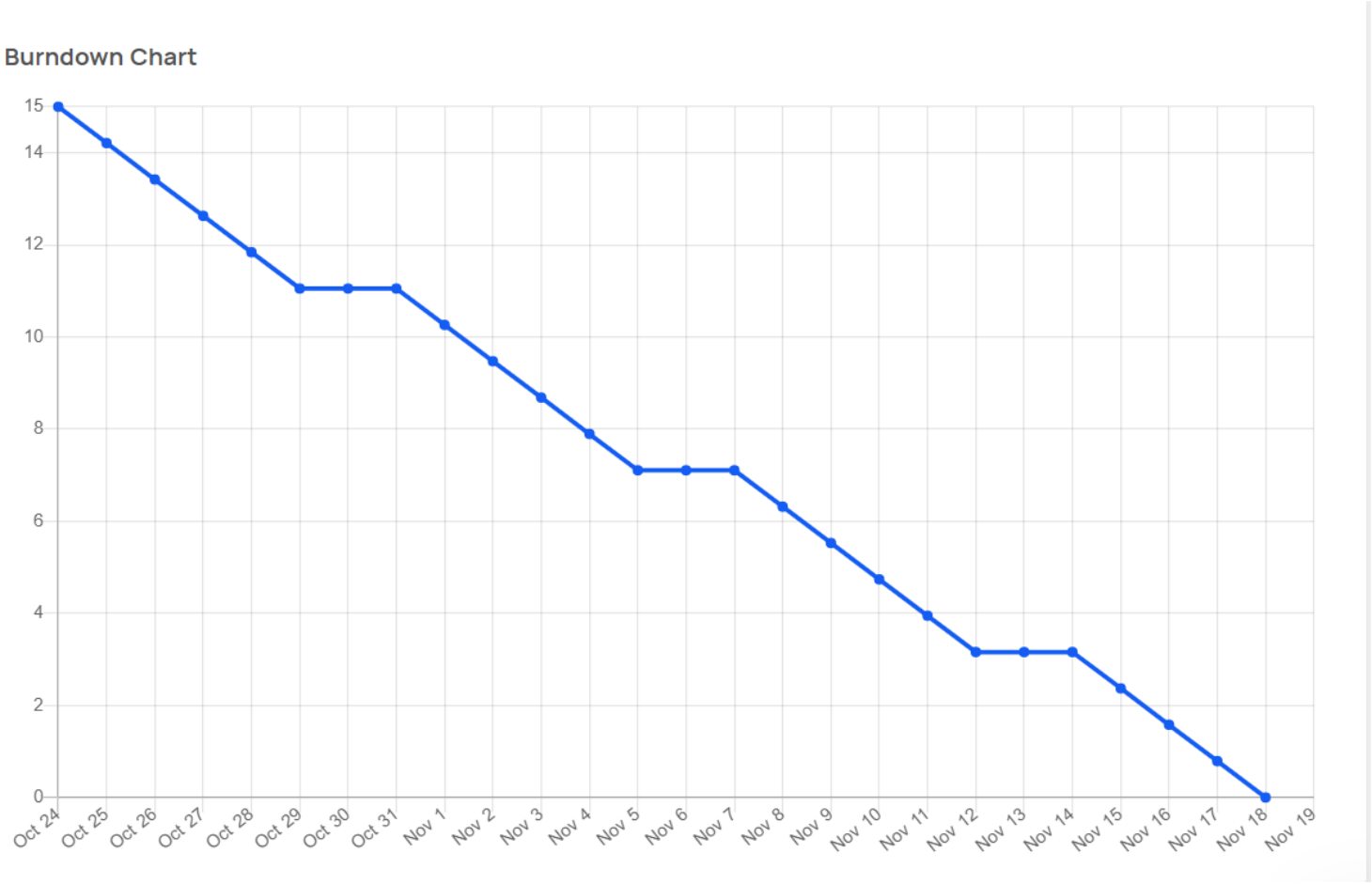
Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

We have a 24-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 = Sprint Duration / Velocity = 24 / 20 = 1.2

Burndown Chart:



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