Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID17856
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(farmer), I can register for by entering my farmer ID.	2	High	Iruthaya Nancy G
		2	As a user, I can register for the application by entering my email and password.	2	Medium	Samyuktha K
	Login	3	As an already registered user, I can enter into the dashboard after user authentication process.	2	High	Vishnu Priya T
	Working with the Dataset	4	To work on the given dataset and to analyse the data , Understand the Dataset .	2	High	
		5	Load the dataset to Cloud platform then Build the necessary Visualizations on the uploaded dataset.	10	High	Iruthaya Nancy G
Sprint-2	Data Visualization Chart	6	Using the Crop production in Indian dataset, create various graphs and charts to highlight the insights and visualizations. 1)Build a Visualization to showcase Average Crop Production by Seasons.	4	Medium	Iruthaya Nancy G
			2)Showcase the Yearly usage of Area in Crop Production.	4	Medium	Samyuktha K

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			3)Build a visualization to show case top 10 States in Crop Yield Production by Area.	4	Medium	Archana T
			4)Build the required Visualization to showcase the Crop Production by State.	4	Medium	Vishnu Priya T
			5)Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Iruthaya Nancy G Archana T
Sprint-3	Creating The dashboard	7	Create a dashboard that displays all the visualizations.	20	High	Archana T Iruthaya Nancy G Vishnu Priya Samyuktha K
Sprint-4	Export The Analytics	8	Export the created Dashboard	20	High	Archana T Iruthaya Nancy G Vishnu Priya Samyuktha 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:

   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

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