Project planning phase

Project planning Template (product Backlog, sprint planning, stories, story points)

Date	17.11.2022
Team id	PNT2022TMID46328
Project name	Estimate the crop yield using data analytics
Maximum marks	8 Marks

Product Backing ,Sprint Schedule ,and Estimate(4 Marks)

Sprint	Function Requirement(Epic)	User story Number	User story/Task	Story points	priority	Team member
Sprint-1	Registration	1	As a user ,I can register for by entering my cropyeild –id card and request.	2	High	Abinaya
		2	As a user,I can register for the application through G mail	2	Low	veeramani
	Log in	3	A a user ,I can call and request or approach for dataset	2	High	Vinothini
	Working with the dataset	4	To work on the given dataset.Understand the dataset	2	High	ManiKiruba
		5	Load the dataset to cloud platform then build the requirements Visualizations.	10	High	Abinaya
Sprint-2	Data Visualization Chart	6	Using the crop production in indian dataset ,create various graphs and charts to highlight the insights and visualizations. Builds visualization to showcase	4	High	Abinaya

			average crop production by			
			Build a visualization to showcase top 10 states in crop yields production by area	4	low	vinothini
			Build the required visualization to showcase the crop production by state	4	Medium	Manikiruba
			Build visualization analytics to represent the states with seasonal crop production using a Text representation	4	Low	Manikiruba
Sprint-3	Creating the dashboard	7	Create the dashboard by using the created visualizations.	20	High	Manikiruba
Sprint-4	Export the analytics	8	Export the created dashboard	20	High	Veeramani

Project Tracking ,Velocity & Burndown chart: (4 Marks)

Sprint	Total story pointer	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	6Days	7 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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$