Project Planning Phase

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

Date	30-10-2022
Team ID	PNT2022TMID22559
Project Name	Estimate The Crop Yield Using Data Analytics
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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	Website	USN-1	To create the Registration page of the Website.	5	Medium	Kiruthika
		USN-2	To create the Log in page of the Website.	5	Medium	Kiruthika
		USN-3	To create the Dashboard page of the Website.	5	Medium	Kiruthika
	Working with the Dataset	USN-4	To work on the given dataset, Understand the Dataset.	2	High	Kiruthika Harisha
		USN-5	Load the dataset to Cloud platform then Build the required Visualizations.	3	High	Aarthi Swetha
Sprint-2	Data Visualization Chart	USN-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	Kiruthika Harisha Aarthi Swetha
			*Showcase the Yearly usage of Area in Crop Production.	4	Medium	Swetha

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	Kiruthika
			*Build the required Visualization to showcase the Crop Production by State.	4	Medium	Harisha
			*Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Aarthi
Sprint-3	Creating The dashboard	USN-7	Create the Dashboard by using the created visualizations.	20	High	Kiruthika Harisha Aarthi Swetha
Sprint-4	Export The Analytics	USN-8	Export the created Dashboard	20	High	Kiruthika Harisha Aarthi Swetha

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	24-10-2022	29-10-2022	20	29-10-2022
Sprint-2	20	6 Days	31-10-2022	05-11-2022	20	05-11-2022
Sprint-3	20	6 Days	07-11-2022	12-11-2022	20	12-11- 2022
Sprint-4	20	6 Days	14-11-2022	19-11-2022	20	19-11-2022

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.