Project Planning Phase

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

Date	28 November 2022
Team ID	PNT2022TMID48478
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	Registration	USN-1	As a user, I can register for by entering my Agri - id card and request..	2	High	Sriram Santhosh Sugumar Yogeshwaran
		USN-3	As a user, I can register for the application through Gmail	2	Medium	Sriram Sugumar
	Login	USN-4	As a user, I can Call and request or Approach for dataset	4	High	Santhosh Yogeshwaran
	Working with the Dataset	USN-5	To work on the given dataset, Understand the Dataset.	2	High	Yogeshwaran Sugumar Santhosh Sriram
		USN-6	Load the dataset to Cloud platform then Build the required Visualizations.	10	High	Sugumar Yogeshwaran
Sprint-2	Data Visualization Chart	USN-7	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	Santhosh Sriram
			*Showcase the Yearly usage of Area in Crop Production.	4	Medium	Sriram Sugumar

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	Santhosh Yogeshwaran
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	Yogeshwaran Sriram
			Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Sugumar Santhosh
Sprint-3	Creating The dashboard	USN-8	Create the Dashboard by using the created visualizations.	20	High	Sugumar Santhosh
Sprint-4	Export The Analytics	USN-9	Export the created Dashboard	20	High	Yogeshwaran Sriram

Project Tracker, Velocity & Burn down 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	10 Nov 2022	16 Nov 2022	20	16 Nov 2022
Sprint-2	20	6 Days	10 Nov 2022	16 Nov 2022	20	16 Nov 2022
Sprint-3	20	6 Days	10 Nov 2022	16 Nov 2022	20	16 Nov 2022
Sprint-4	20	6 Days	10 Nov 2022	16 Nov 2022	20	15 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.