Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID37676
Project Name	Estimate the Crop Yield using Data Analytics
Maximum Marks	8 Marks

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

Use the below 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	Charanraj S
Sprint-1		USN-2	As a user, I can register for the application through Gmail	2	Medium	Indhumathi M
Sprint-1	Login	USN-3	As a user, I can Call and request or Approach for dataset	2	High	Charanra S Nandhu G
Sprint-1	Working with the Dataset	USN-4	To work on the given dataset, Understand the Dataset.	2	High	Nandhu G Abitha A
		USN-5	Load the dataset to Cloud platform then Build the required Visualizations	10	High	Indhumathi M Abitha A
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	Charanraj S Indhumathi M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			*Showcase the Yearly usage of Area in Crop Production.	4	Medium	Abitha A Nandhu G
			Build a visualization to show case top 10 States in Crop Yield Production by Area.	4	Medium	Indhumathi M Abitha A
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	Charanraj S Nandhu G
			Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Nandhu G Abitha A
Sprint-3	Creating The dashboard	USN-8	Create the Dashboard by using the created visualizations.	20	High	Charanraj S Indhumathi M Nandhu G Abitha A
Sprint-4	Export The Analytics	USN-9	Export the created Dashboard	20	High	Charanraj S Indhumathi M Nandhu G Abitha A

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 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

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 = Sprint Duration/Velocity = 20/20 = 1.

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.