Project Planning Phase

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

Date	11 November 2022
Team ID	PNT2022TMID31632
Project Name	Estimate The Crop Yield Using Data Analytics

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	Working with the Dataset	USN-1	To work with a specific dataset, understand the dataset.	2	High	Patricia P, Prakashraju P, Rajabalan J, Santhosh K R, Udhaya Kumar P.
		USN-2	• Load the dataset to the Cloud platform then Build the required Visualizations.	10	High	Patricia P, Prakashraju P.
Sprint-2	Data Visualization Chart	USN-3	• Upload your dataset to a cloud platform and then create the visualizations you want. • Create a visualization that shows the average yield Production by Seasons.	4	Medium	Rajabalan J, Santhosh K R, Udhaya Kumar P.
			• Crop Current annual area used in production.	4	Medium	Santhosh K R, Patricia P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
			Create a visualization to show the top 10 states for crop yield by region.	4	Medium	Prakashraju P, Rajabalan J,
			Create the required visualization to show crop production by state.	4	Medium	Patricia P, Prakashraju P, Rajabalan J, c Udhaya Kumar P.
			Create visual analytics that represent states in seasonal crop production using textual representations.	4	Medium	. Patricia P, Prakashraju P,
Sprint-3	Creating The dashboard	USN-4	Build a dashboard using the visualizations you created.	20	High	Rajabalan J, Santhosh K R.
Sprint-4	Export The Analytics	USN-5	Export the created Dashboard	20	High	Udhaya kumar P, Rajabal an J,

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	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.