Project Planning Phase

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

Date	14 November 2022
Team ID	PNT2022TMID18592
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	Register by entering my id card and request.	2	High	Vikram A K Vishnu Pragadeesvaran S Ajit Rajkumar M S Vasanth Kumar R
		USN-3	Register for the application through mail	2	Medium	Vikram A K Vishnu Pragadees varan S
	Login	USN-4	Call and request or Approach for the dataset	4	High	Ajit Rajkumar MS Vasanth Kumar R
	Working with the Dataset	USN-5	To work on the given dataset and Understanding the given Dataset.	2	High	Vikram A K Vishnu Pragadeesvaran S Ajit Rajkumar M S Vasanth Kumar R
		USN-6	Loading the dataset to Cloud platform then Build the required Visualizations.	10	High	Vikram A K Vishnu Pragadeesvaran S
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	Ajit Rajkumar M S Vasanth Kumar R
			*Showcase the Yearly usage of Area in Crop Production.	4	Medium	Vikram A K Vishnu Pragadeesvaran S

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	Ajit Rajkumar MS Vasanth Kumar R
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	Ajit Rajkumar MS Vishnu pragadeesvaran
			Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Vikram A K Vasanth Kumar R
Sprint-3	Creating The dashboard	USN-8	Create the Dashboard by using the created visualizations.	20	High	Ajit Rajkumar M S Vikram A K
Sprint-4	Export The Analytics	USN-9	Export the created Dashboard	20	High	Vishnu Pragadeesvaran S Vasanth Kumar R

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	7 Days	24 Oct 2022	30Oct 2022	20	29 Oct 2022
Sprint-2	20	7 Days	31 Oct 2022	06 Nov 2022	20	05 Nov 2022
Sprint-3	20	7 Days	07 Nov 2022	13 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 = 27 / 20 = 1.35

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.