

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	23October 2022
Team ID	PNT2022TMID53331
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	Registration	USN-1	As a user, I can register for by entering my Agri - id card and request.	2	High	Gopikrishnaa R Arjunraj N Haree J Goutham S
		USN-3	As a user, I can register for the application through Gmail	2	Medium	Haree J Goutham S
	Login	USN-4	As a user, I can Call and request or Approach for dataset	4	High	Gopikrishnaa R Arjunraj N
	Working with the Dataset	USN-5	To work on the given dataset, Understand the Dataset.	2	High	Gopikrishnaa R Arjunraj N Haree J Goutham S
		USN-6	Load the dataset to Cloud platform then Build the required Visualizations.	10	High	Gopikrishnaa R Arjunraj N Haree J
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	Arjunraj N Haree J
			*Showcase the Yearly usage of Area in Crop Production.	4	Medium	Gopikrishnaa R Goutham 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	Arjunraj N Haree J
			Build the required Visualization to showcase the Crop Production by State.	4	Medium	Gopikrishnaa R Goutham S
			Build Visual analytics to represent the Sates with Seasonal Crop Production using a Text representation.	4	Medium	Haree J Goutham S
Sprint-3	Creating The dashboard	USN-8	Create the Dashboard by using the created visualizations.	20	High	Gopikrishnaa R Arjunraj N Haree J Goutham S
Sprint-4	Export The Analytics	USN-9	Export the created Dashboard	20	High	Gopikrishnaa R Arjunraj N Haree J Goutham S

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	5 Days	26 Oct 2022	30 Oct 2022	20	29 Oct 2022
Sprint-2	20	5 Days	2 Nov 2022	06 Nov 2022	20	05 Nov 2022
Sprint-3	20	5 Days	09 Nov 2022	11 Nov 2022	20	12 Nov 2022
Sprint-4	20	5 Days	16 Nov 2022	18 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)