

Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID25946
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 the application by entering my email, password, and confirming my password.	10	High	Merlin White
			As a user, I will receive confirmation email once I have registered for the application.	4	Low	Varshini
		USN-2	As a user, I can register for the application through Gmail.	6	Medium	Nivetha
	Login	USN-3	As a user, I can log into the application by entering email & password.	10	High	Merlin White, Varshini
Sprint-2	Working with the Dataset	USN-4	Importing the dataset on cognos platform and understand, clean and prepare the dataset.	10	High	Nivetha, Merlin White

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Data Visualization chart	USN-5	After importing the dataset, we create some visualizations to understand more about the soil, crop yield, crop rotation, etc.	10	High	Varshini
			Building visualizations to show crop production in each state.	4	Low	Nivetha
			Building visualizations to show crop growth from previous to present year.	6	Medium	Merlin White
Sprint-3	Creating the Dashboard	USN-6	Creating the dashboard to display the visualizations which gives insights of Crop production in India.	10	High	Merlin White, Nivetha, Varshini
Sprint-4	Export the Analytics	USN-7	Exporting the created dashboard to showcase the work to others.	10	High	Merlin White, Nivetha, Varshini

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	04 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{10} = 2$$

Burndown Chart :

