

Project Planning Phase

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

Date	18October 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
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	10	High	Varshini
Sprint-1		USN-3	As a user, I can register for the application through Facebook	4	Low	Nivetha
Sprint-2	Login	USN-4	As a user, I can log into the application by entering email & password	10	High	Merlin White, Varshini
Sprint-2	Dashboard	USN-5	Estimation of crop yield will be displayed	10	High	Nivetha, Merlin White
Sprint-3	Accessing the dashboard	USN-1	View the estimation of crops available on the dashboard and take decisions accordingly	10	High	Varshini, Nivetha
Sprint-3	Connects the user	USN-1	Connects the user with the dashboard	6	Medium	Merlin White, Nivetha, Varshini
Sprint-4	Provides services	Admin	Estimate the crop yield and display the visualizations on the dashboard	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)

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

Burndown Chart :

