

Project Planning Phase

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

Date : 18 October 2022
Team ID: PNT2022TMID40298
Project Name Project - Estimate the Crop yield using Data Analytics
Maximum Marks: 8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story User Story / Task Number	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.	2	High	Krithika V
Sprint-1		USN-2 As a user, I will receive confirmation email once I have registered for the application	1	High	Amutha V
Sprint-2		USN-3 As a user, I can register for the application through Facebook	2	High	Gnanadevi T
Sprint-1		USN-4 As a user, I can register for the application through Gmail	1	Medium	Pooja M
Sprint-1	Login	USN-5 As a user, I can log into the application by entering email & password	1	High	Krithika V

Sprint-2	Dashboard	USN-6 Can use the methods provided in the dashboard	2	Medium	Amutha V
Sprint-2		USN-7 With help of desired results obtained from application,making profit or loss and Collecting the data and storing it	1	High	Pooja M
Sprint 3		USN-8 Using my own credentials for accessing the data	1	High	Gnanadevi T
Sprint-3	Visualization	USN-9 Having a view with geographic data	2	High	Krithika V
Sprint4		USN 10 Analysis is performed by tools like cognos analytics	1	High	Krithika V

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	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:

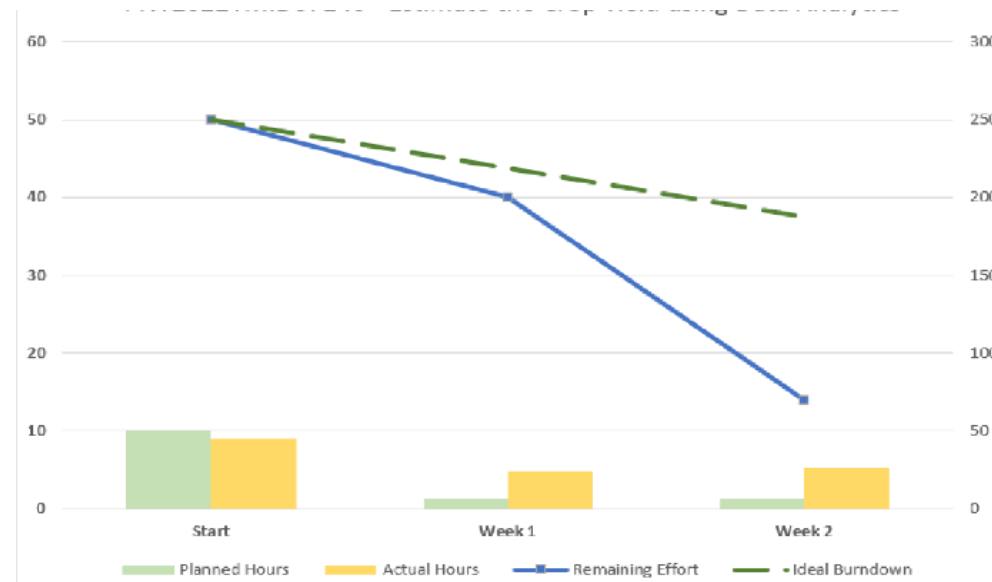
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

$$AV = \text{Sprint duration} / \text{Velocity} = 24 / 20 = 1.2$$

Burndown Chart:

A burndown 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, burndown charts can be applied to any project containing measurable progress over time.



<https://www.visual-paradigm.com/scrum/scrum-burndown-chart/>
<https://www.atlassian.com/agile/tutorials/burndown-charts>

Reference:

<https://www.atlassian.com/agile/project-management>
<https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software>
<https://www.atlassian.com/agile/tutorials/epics>
<https://www.atlassian.com/agile/tutorials/sprints>
<https://www.atlassian.com/agile/project-management/estimation>
<https://www.atlassian.com/agile/tutorials/burndown-charts>