Project Planning Phase

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

Team ID	PNT2022TMID41233
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 Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the website byentering my email, password, and confirming my password.	2	High	4 Members
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the website	1	High	4 Members
Sprint-2		USN-3	As a user, I can register for the website through Gmail	2	Low	4 Members
Sprint-1	Login	USN-4	As a user, I can log into the website byentering email & password	2	High	4 Members
Sprint-3	Dashboard	USN-5	As a user, I can freely use my dashboard and explore the features	2	High	4 Members
Sprint- 2		USN-6	As a user, I can use the credentials to access the resources of my website	2	High	4 Members
Sprint- 2		USN-7	Performance of Data manipulations on the website	2	High	4 Members
Sprint- 3	Visualizations	USN-8	I can create dashboards with particular datasets	2	High	4 Members
Sprint- 3		USN-9	Predictive analysis can be done	2	High	4 Members
Sprint- 4		USN-10	I can create stories with particular datasets	1	High	4 Members
Sprint- 4		USN-11	I can deliver and export reports according tothe dashboards and stories created	2	High	4 Members

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:

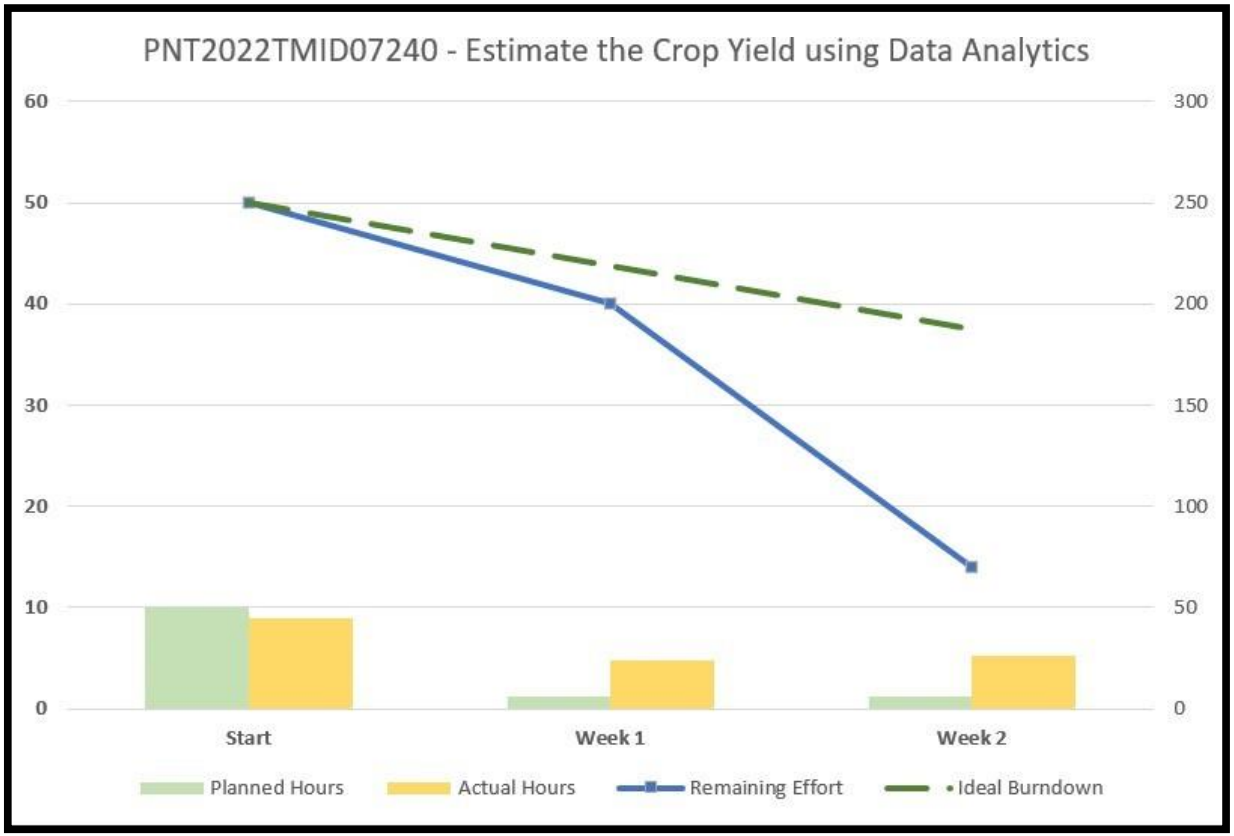
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) periteration unit (story points per day)

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

AV = Sprint Duration/Velocity = 20/6 = 3

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 suchas Scrum. However, burn down 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