Project Planning Phase

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

Date	18 OCTOBER 2022
Team ID	PNT2022TMID54302
Project Name	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 sign up for the application by providing my email ID,password and confirmation.	2	High	Aishwarya Gopika
Sprint-1		USN-2	After registering for the application, I as a user will receive a confirmation email.	1	High	Atshaya Amruthashreya
Sprint-2		USN-3	I can sign up for the application as a user using Google.	2	Low	Atshaya Gopika
Sprint-1		USN-4	I can sign up for the application as a user using Gmail.	2	Low	Amruthashreya Aishwarya
Sprint-1	Login	USN-5	I can access the application as a user by providing my email address and password.	1	High	Aishwarya
Sprint-3	Dashboard	USN-6	I am free to use my dashboard and explore the features as a user.	2	High	Gopika Amruthashreya
Sprint-2		USN-7	I can access using the credentials as a user the assets I'm applying for.	2	High	Aishwarya Amruthashreya Atshaya Gopika
Sprint-3		USN-8	Data manipulation operations carried out by the application.	1	High	Atshaya Aishwarya
Sprint-3	Visualization	USN-9	Can use certain datasets to generate dashboards.	2	Medium	Gopika Aishwarya
Sprint-4		USN-10	One can perform predictive analysis.	1	High	Amruthashreya Atshaya
Sprint-3		USN-11	With certain datasets, I can produce stories.	2	High	Aishwarya Atshaya

Sprint-4		USN-12	Can export and send reports in accordance with the built-in dashboards and stories.	2	High	Amruthashreya Gopika

Project Tracker, Velocity & Burndown Chart: (4 Marks)

Sprint	Total Story Point	Duration (days)	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as on planned end date)	Sprint Release date(actual)
Sprint-1	20	6	24-10-2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6	31-10-2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6	07-10-2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6	14 Oct 2022	19 Nov 2022	20	19 Nov 2022

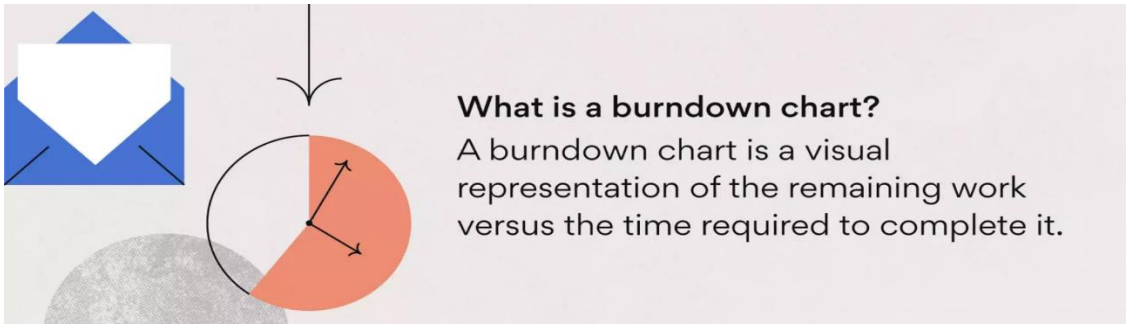
Velocity:

Consider a scenario in which the sprint will last 10 days and the team's velocity is 20. (Points per sprint). Let's determine the group's average velocity (AV) for each iteration (story points per day).

AV = Sprint Duration/Velocity

AV = Sprint Duration/Velocity = 20/10=2

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 such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

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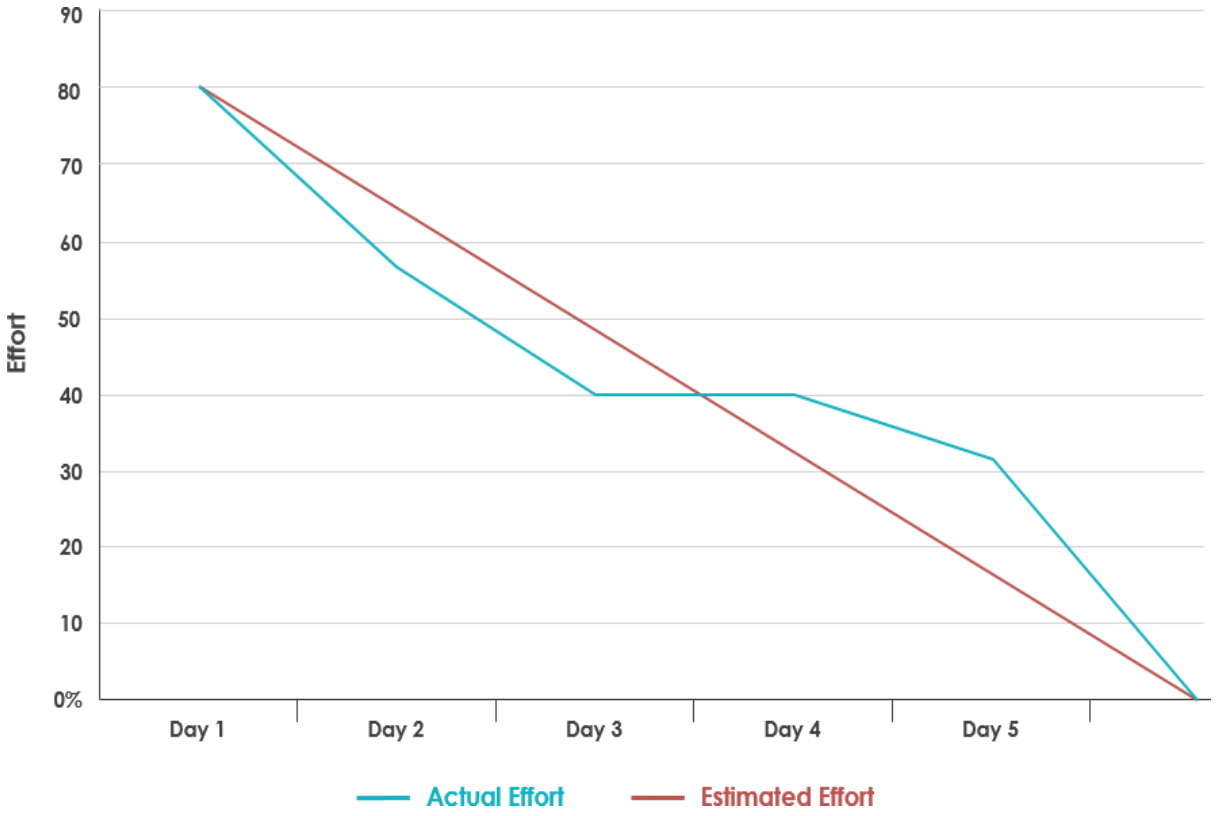

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

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Reference :

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https://www.atlassian.com/agile/tutorials/burndown-charts

https://www.atlassian.com/agile/tutorials/epics

https://asana.com/resources/burndown-chart