Project Planning Phase

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

Date	20 November 2023
Team ID	593111
Project Name	Share price estimation of top 5 GPU companies
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 novice investor, I want to receive clear and concise projections of share prices for the top 5 GPU companies, so that I can make more informed investment decisions without being overwhelmed by complex financial data.	2	High	
Sprint-1		USN-2	As a seasoned trader, I want the option to access historical stock market data used in	1	Low	

			the predictions, so that I can perform my own analyses and validate the model's projections against historical trends.			
Sprint-2		USN-3	As a user, I want the option to customize the visual appearance of the stock price predictions dashboard, so that I can personalize the interface according to my preferences (e.g., color schemes, font sizes).	2	Low	
Sprint-1		USN-4	As a user, I want the ability to customize the time frame for stock price predictions, so that I can focus on short-term or long-term investment strategies based on my preferences and market outlook.	2	Medium	
	Dashboard					

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	2 Days	29 Oct 2023	30 Oct 2023	2	29 Oct 2022
Sprint-2	20	3 Days	2 Nov 2023	05 Nov 2023	1	
Sprint-3	20	1 Days	11 Nov 2023	12 Nov 2023	2	
Sprint-4	20	2 Days	18 Nov 2023	21 Nov 2023	2	

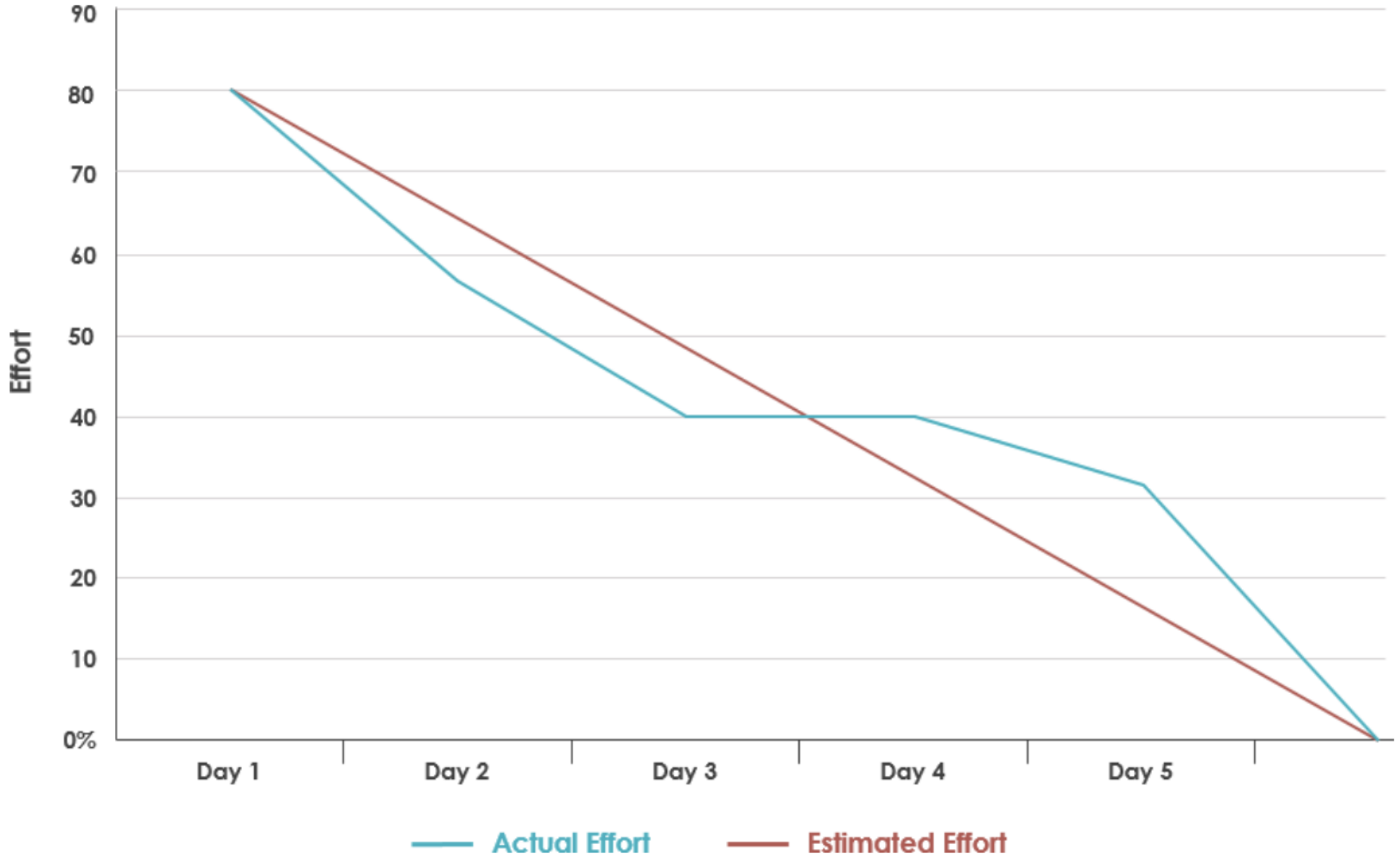
Velocity:

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)

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

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.


Effort
90
80
70
60
50
40
30
20
10
0%
Day 1
Day 2
Day 3
Day 4
Day 5
Actual Effort
Estimated Effort