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

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

User Type	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Customer (Mobile user)	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
		USN-3	As a user, I can register for the application through Gmail	2	Medium	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
	Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E

	Dashboard	USN-5	To see their histories about recently viewed, updates for search related news, current progress, feedback	1	Medium	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
Customer (Web user)	Browser	USN-6	Works as an interactive medium between client and server	2	High	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
Customer Care Executive	Chat bot	USN-7	Rectify the customer's issues related to account, subscription and customization	1	Low	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
Feedback	Feedback Form	USN-8	Getting feedback from customers helps application's administrator to improve the quality of the application	2	High	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E
Administrator	Admin module	USN-9	As an admin, I will modify the application as per customer requirements and fix the bugs to give customers a bug free service	2	High	Alwin mathew R Ganeshkumar T Elanchezian S Lokesh E

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

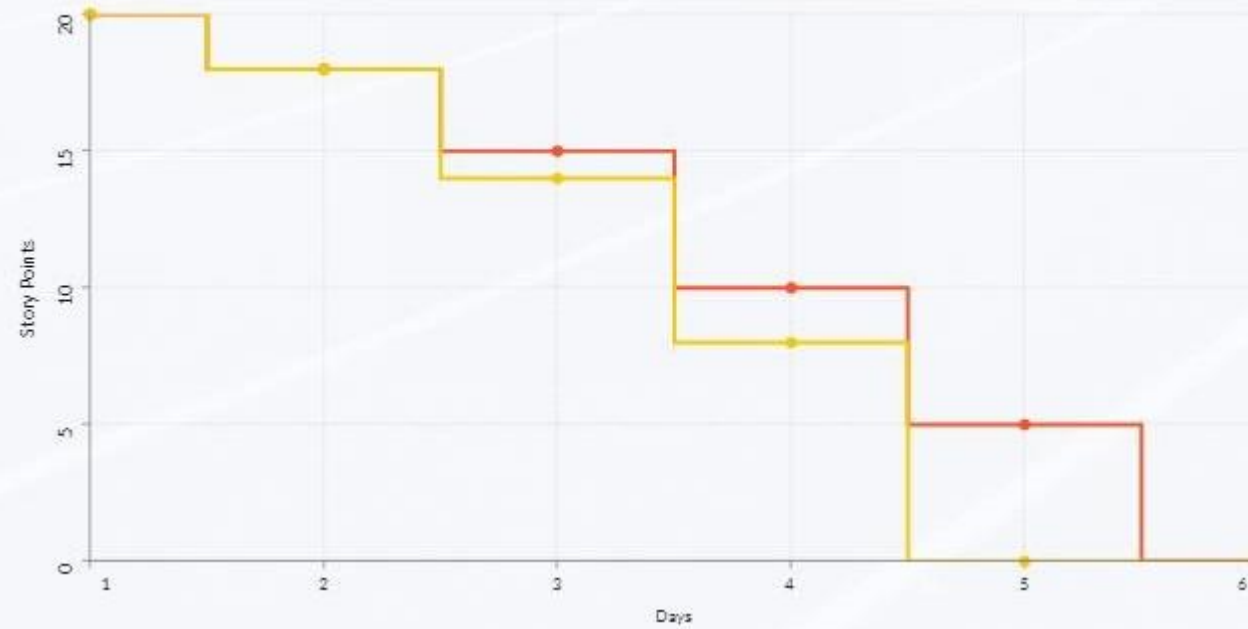| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	18	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	22	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

$$AV = \frac{Sprint\ Duration}{Velocity} = \frac{20}{6} = 3.33$$
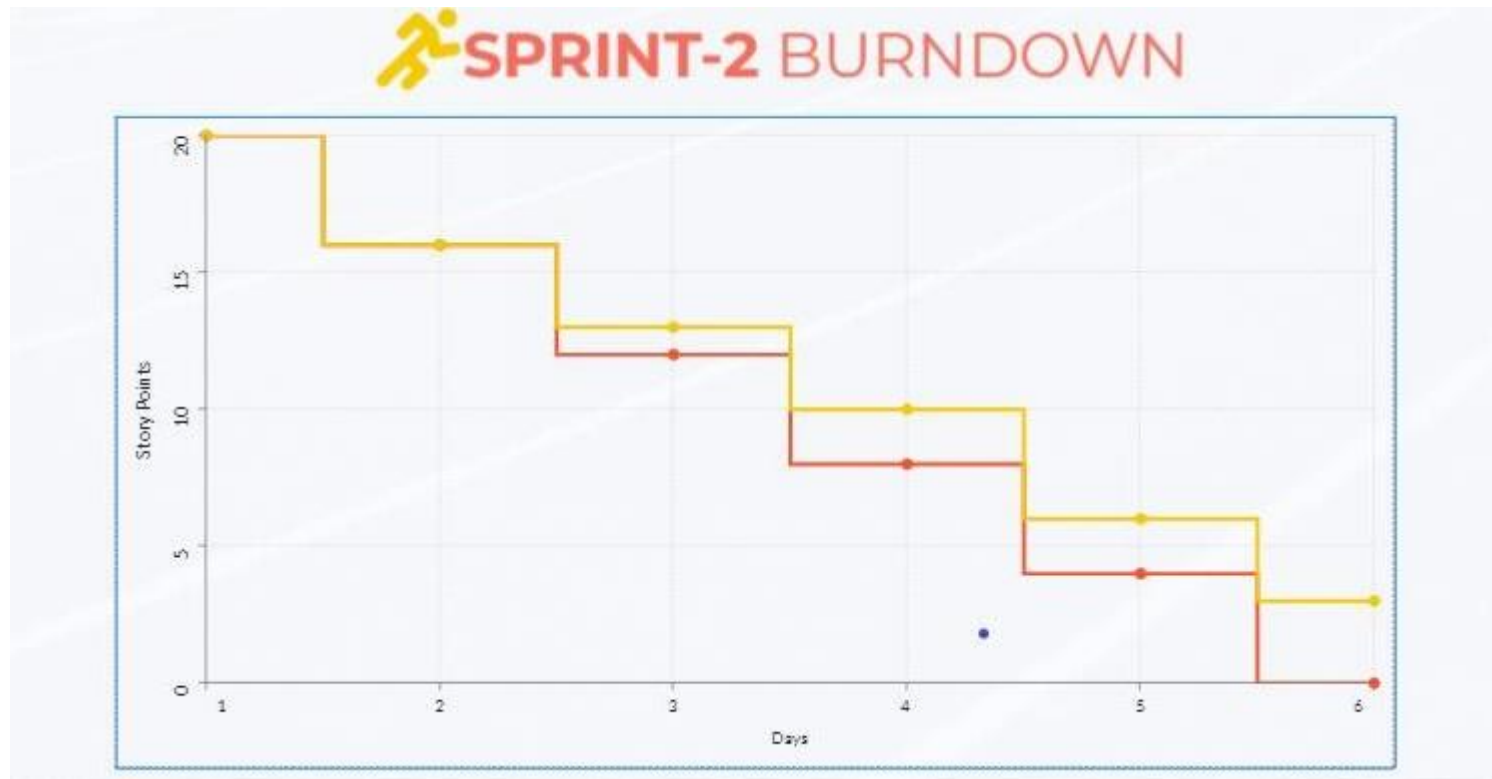
Burndown Chart:

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.
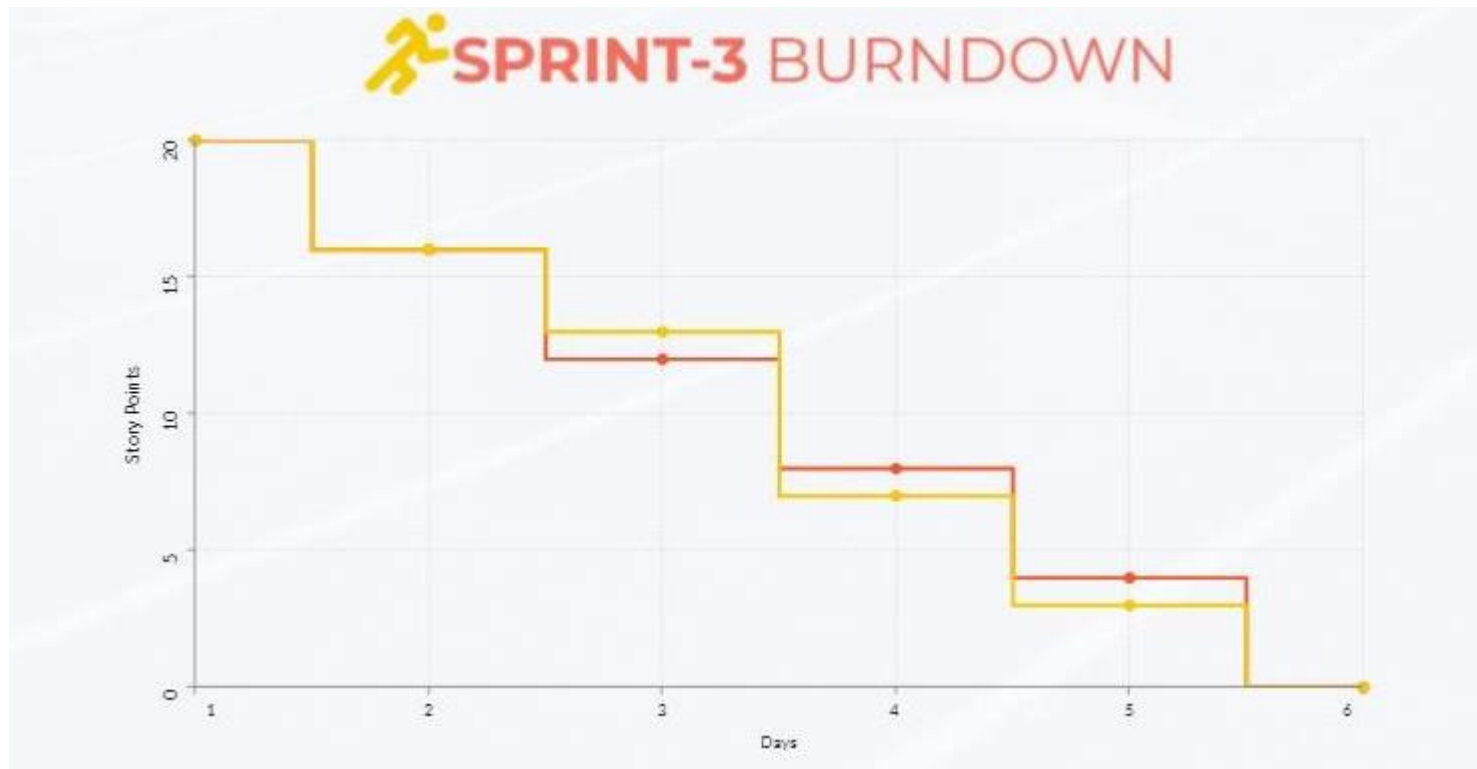
SPRINT-1 BURNDOWN

Sprint-2:

Sprint-3:

Sprint-4:

SPRINT-4 BURNDOWN