

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

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date(Planned)	Story Points Completed (as Planned End Date) on	Sprint Release Date(Actual)
Sprint-1	4	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	2	6 Days	30 Oct 2022	06 Nov 2022	20	06 Nov2022
Sprint-3	2	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov2022
Sprint-4	2	6 Days	13 Nov 2022	19 Nov 2022	20	19 Nov2022

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)

$$AV-1 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{4}{6} = 0.666$$

$$AV-2 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{2}{6} = 0.333$$

$$AV-3 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{2}{6} = 0.333$$

$$AV-4 = \frac{\text{Total story points}}{\text{Sprint Duration}} = \frac{2}{6} = 0.333$$

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.

