Project Planning Phase

Project planning (product backlog, Sprint planning, Stories, Story points)

Date	13 November,2022
Team ID	PNT2022TMID10541
Project name	Real-Time River WaterQuality Monitoring And ControlSystem
Maximum Marks	4 Marks

Product backlog, Sprint schedule, and estimation (4 marks):

Sprint	Functional requirement	User Story Number	User Story/ Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	As a user, I can register for the application by enteringmy email, password, and confirming my password.	2	High	Sigireddy Uday Kiran
Sprint-1		USN-2	As a user, I	1	High	Sundi Ricky Paul

			will receive confirmation email once I have registered for the application.			
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Shajudeen
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Suriyan K
Sprint-1	Login	USN-5	As a user, I can log into the application	1	High	Sigireddy Uday Kiran

			by Entering email & password			

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

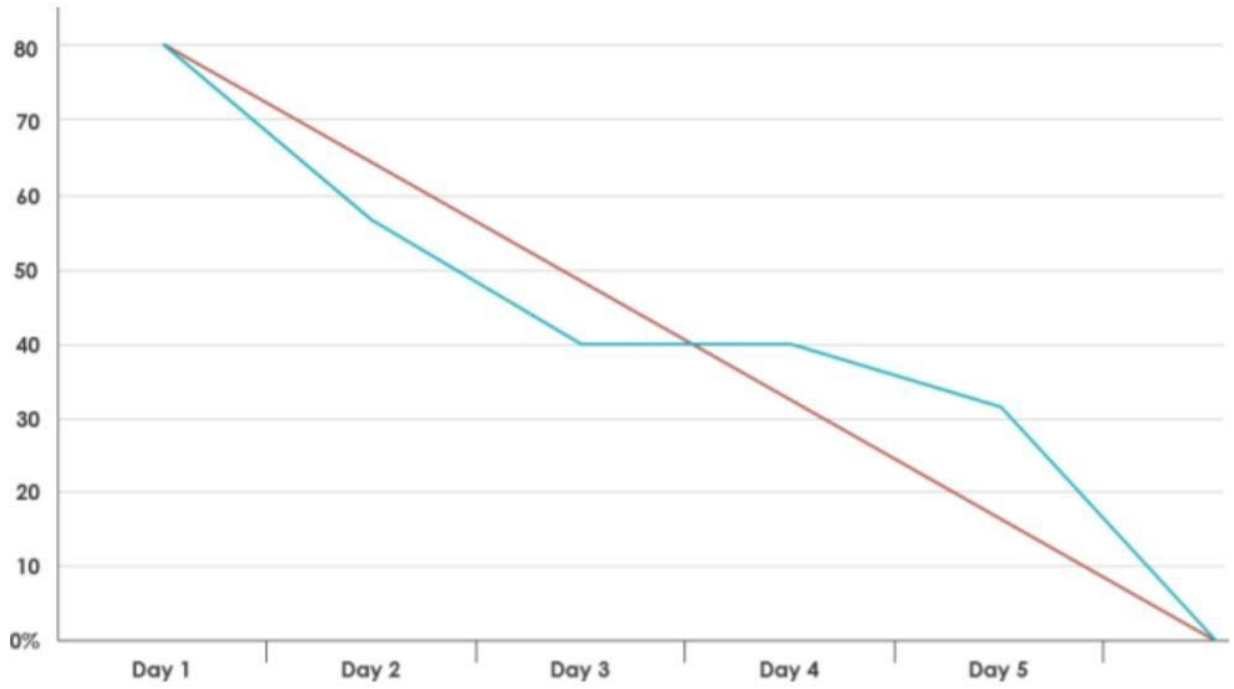
Sprint	Total story points	Duration	Sprint start date	Sprint end date (planned)	Story points completed (as of planned end date)	Sprint release date (Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	5 Nov 2022	30	30 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	49	06 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	50	07 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)

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

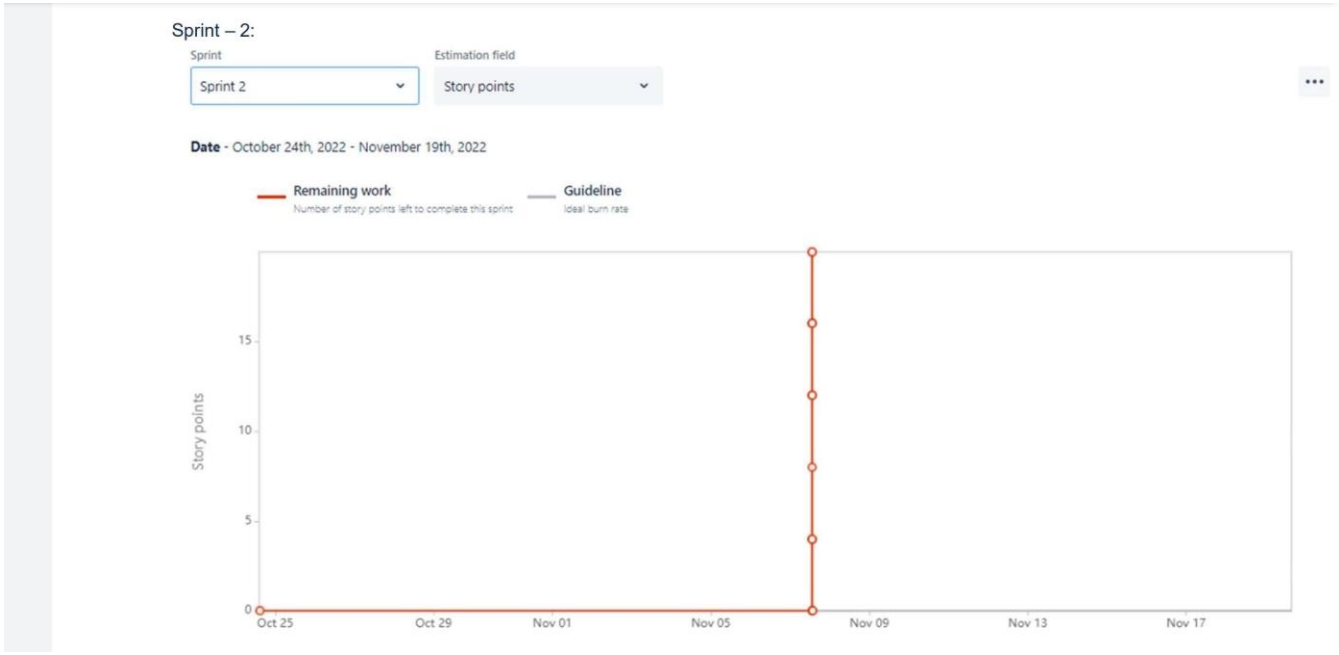
Burndown Chart: .



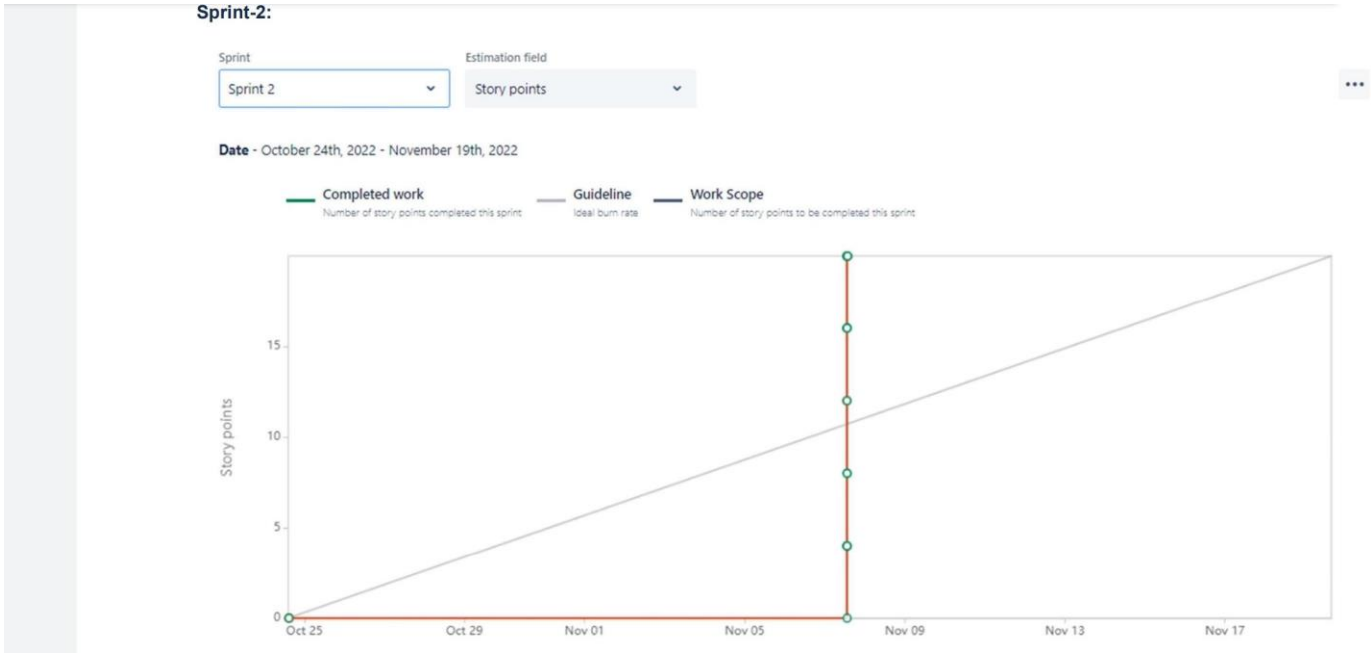
Burndown Chart:

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

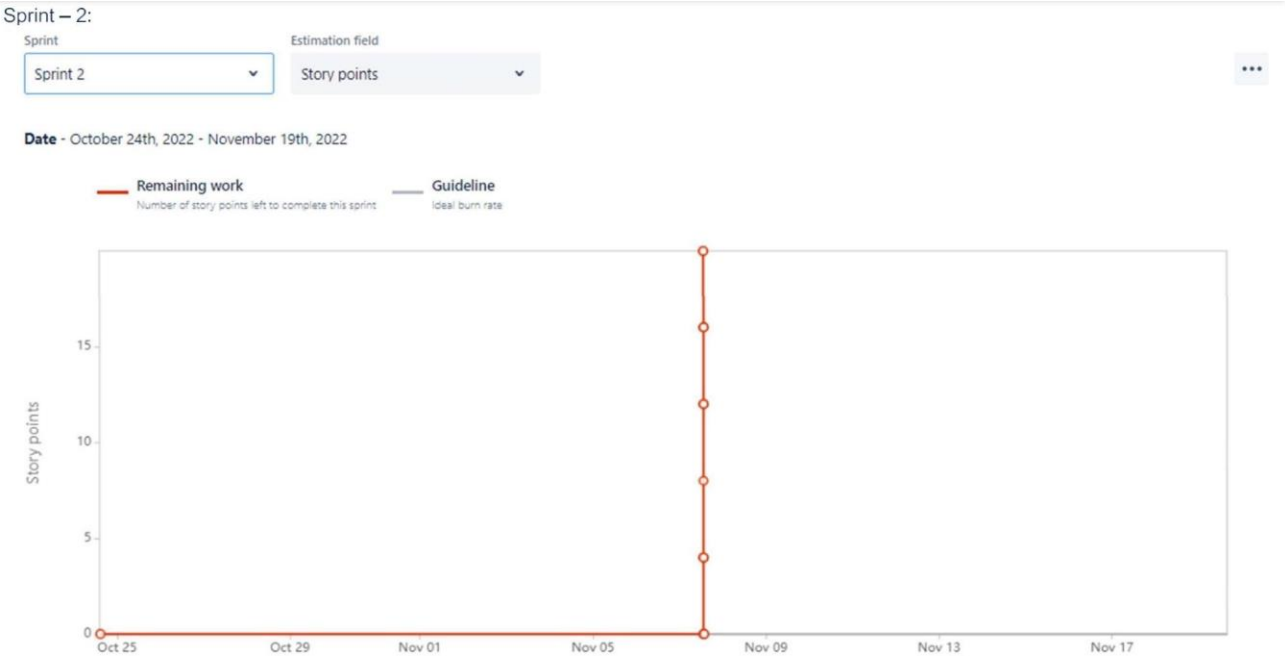
as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



Burnup Chart:



Jira Burndown chart :



Jira Burnup chart: