Project Planning Phase

Project planning(product backlog,sprint planning,stories,story points)

Date	13 November,2022
Team ID	PNT2022TMID31526
Project name	project-Real Time River Water Quality Monitoring And Control System
Maximum Marks	4 Mks

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

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 entering my email, password, and confirming my password.	2	High	T.Lipika

Sprint-1		USN-2	As a user, I	1	High	S.Anusha
			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	A.Santhiya
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	P.Swetha Nandhini

Sprint-1	Login	USN-5	As a user, I can log into the application	1	High	T.Lipika
			by Entering email & password			

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

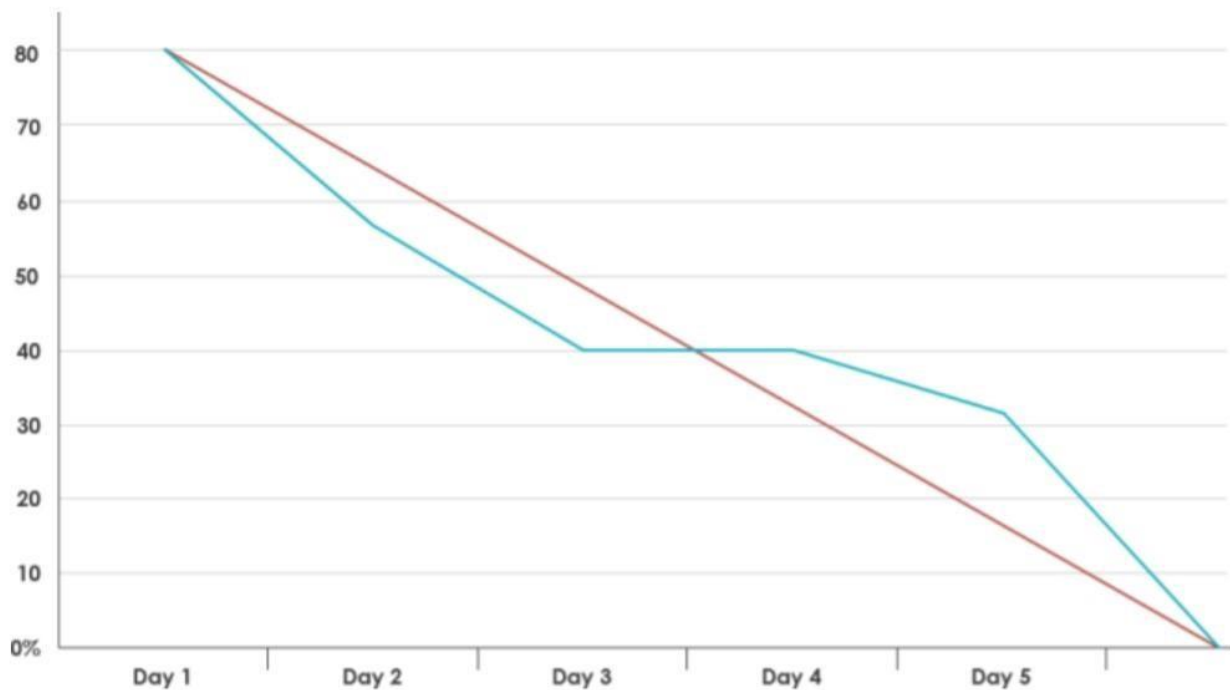| Sprint	Total story points	Duration	Sprint start date	Sprint end date(planned)	Story points completed(as of planned end date)	Sprint release date(Actual)
Sprint-1	20	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	5 Nov 2022	30	30 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022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

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$
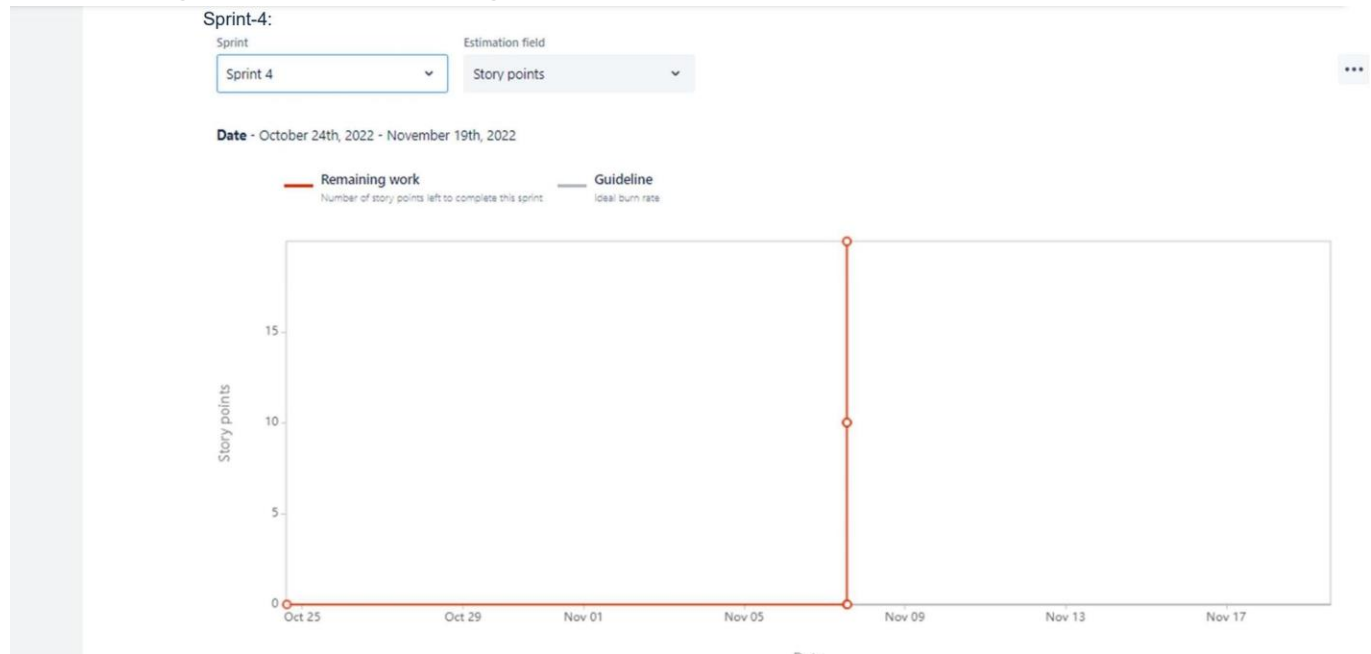
Burndown Chart: .

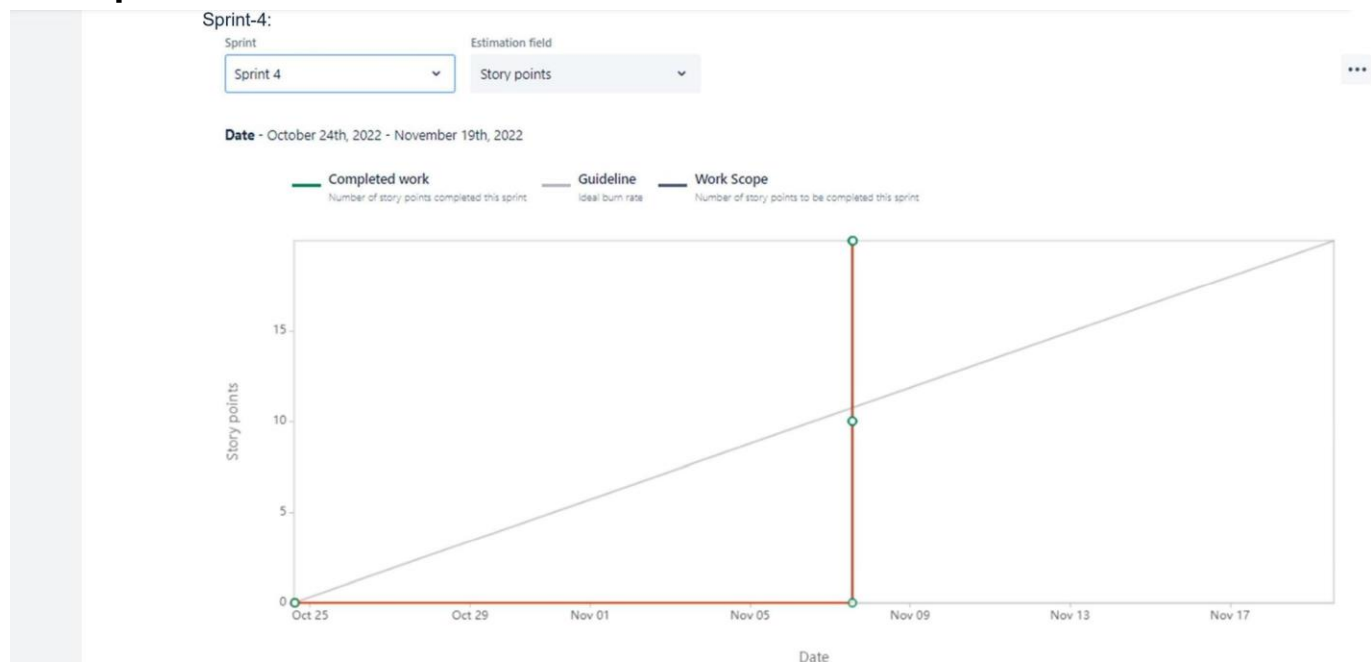**(AV) per iteration unit (story points per day)**

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.
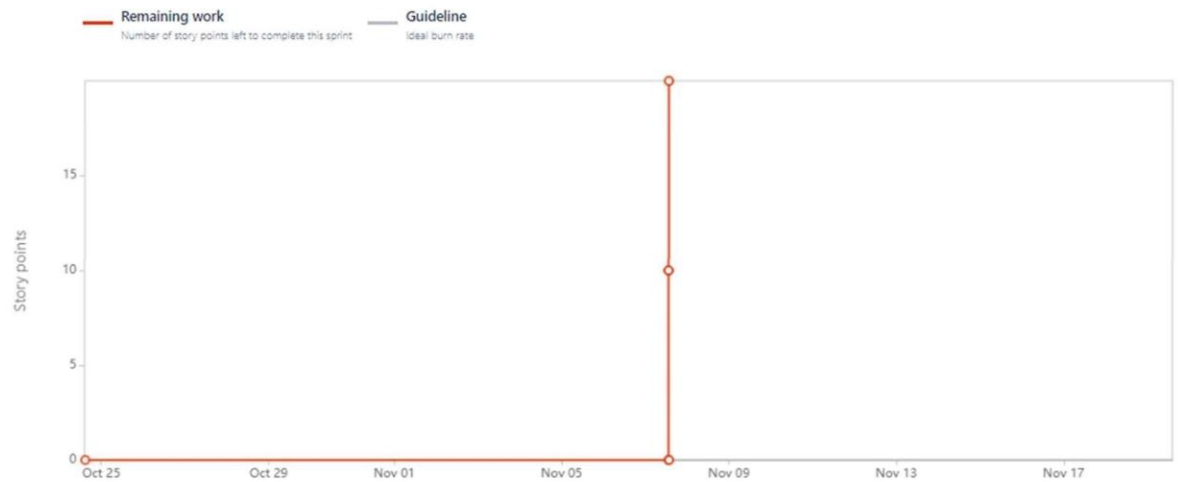

Burnup Chart:

Jira Burndown chart :

Sprint-4:

Sprint
Sprint 4

Estimation field
Story points

Date - October 24th, 2022 - November 19th, 2022

— **Remaining work**
Number of story points left to complete this sprint

— **Guideline**
Ideal burn rate

Jira Burnup chart:

Sprint-4:

Sprint
Sprint 4

Estimation field
Story points

Date - October 24th, 2022 - November 19th, 2022

— **Completed work**
Number of story points completed this sprint

— **Guideline**
Ideal burn rate

— **Work Scope**
Number of story points to be completed this sprint

Date