Project Planning Phase

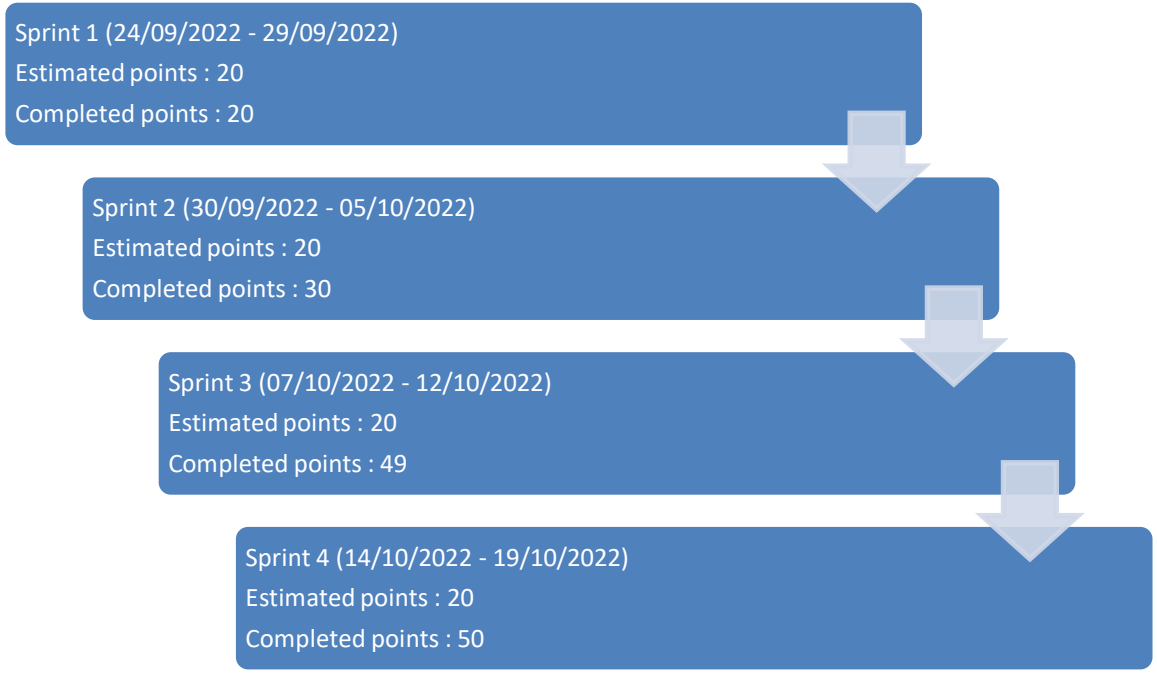
Project Planning Template (Product Backlog, Sprint Planning, Stories, Story points)

Date	18 October 2022
Team ID	PNT2022TMID19880
Project Name	Real-time River water quality monitoring and control system

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Registration	USN-1	Registering into the application.	2	High	Mithuna J
Sprint-1		USN-2	Conformation on email while registering the application	1	High	Monisha LS
Sprint-2		USN-3	Registration through facebook	2	Low	Hareni M
Sprint-1		USN-4	Registration through gmail	2	Medium	Gowshini B
Sprint-1	Login	USN-5	Application login using email and password	1	High	Harini T
Sprint-1	User Interface	USN-6	User should not need any pre-requiste to use UI	1	Medium	Gowshini B
Sprint-1	Dashboard	WUSN-1	Access of inputs from sensors , through web.	2	High	Hareni M
Sprint-1	View Manner	CCE-1	Understandable data visualization to customer care	2	High	Mithuna J
Sprint-1	Taste	CCE-2	The composition of water (e.g. Minerals, etc.) must be understandable to customer care	1	High	Monisha LS
Sprint-1	Colour Visibility	CCE-3	Water color should be visible to customer care	1	High	Hareni M
Sprint-2	Risk Tolerant	ADMIN-1	System, server and application should be handled by administrator.	1	High	Harini T

Project Tracker:



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: