Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID38365
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	Login	USN-1	As a Administrator, need to give user id and passcode for ever workers over there in PWD	10	High	Subash E
Sprint-1	Login	USN-2	As a Co-Admin, they will manage the login database	10	High	Ukash Kumar G
Sprint-2	Dashboard	USN-3	In that filed it shows the real time water quality parameters.	20	Low	Baranivasan P
Sprint-1	Dashboard	USN-4	We can store the water quality parameters in the cloud.	20	Medium	Surya E
Sprint-1	Dashboard	USN-5	The stored data can be make analysis for the future use also and make report.	20	High	Subash 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	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 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)

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