Project Planning Phase

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

Date	17 November 2022
Team ID	PNT2022TMID50061
Project Name	Real time river water quality monitoring and control system
Maximum Marks	8 Marks

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

Use the below template to create product backlog and sprint schedule

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Login	USN-1,USN-2	The uniqueness of our proposed paper is to obtain the water monitoring system with high frequency, high mobility.	20	High	JOTHI
Sprint-2	Dashboard	USN-3	Real-time data access can be done by using remote monitoring and Internet of Things (IoT) technology.	20	Low	ALISH FLORA
Sprint-3	Dashboard	USN-4	Current water quality monitoring system is a manual system with a monotonous process and is very time-consuming	20	medium	MUTHU SELVI

Sprint-4	Dashboard	USN-5	Deep learning neural network models, Belief Rule Based (BRB) system and is also compared with standard values	20	High	ANANTHA SATHYA

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)

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