Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID42484
Project Name	Project – Real time River water monitor and control system
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	IoT device	USN-1	As a user I can access the IOT device	2	High	Aashiq Abijai Swathi Kiran
Sprint-1	Python Code	USN-2	As a user, I can control the operation	1	High	Aashiq Abijai Swathi Kiran
Sprint-2	Mobile App	USN-3	As a user I can access the Mobile App	2	High	Aashiq Abijai Swathi Kiran
Sprint-2	Fast 2 SMS	USN-4	As a user, I will get SMS	2	Medium	Aashiq Abijai Swathi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Kiran
Sprint-3	IBM Cloud	USN-5	As a operator I can view that IBM Cloud	1	High	Aashiq Abijai Swathi Kiran
Sprint-3	IBM Watson	USN-6	As a operator, I can view the readings in IBM Watson	3	High	Aashiq Abijai Swathi Kiran
Sprint-4	Node Red	USN-7	As an Admin, I can monitor the activities	3	High	Aashiq Abijai Swathi Kiran
Sprint-4	Node Red service	USN-8	As an Admin, I can Control the activities	3	High	Aashiq Abijai Swathi Kiran

Project Tracker, Velocity & Burndown Chart:

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	30	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	30	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)

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

Burndown Chart: