

Project Planning Phase

Sprint Delivery Plan

Date	22 October 2022
Team ID	PNT2022TMID40434
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	Registration	USN-1	As a user, we must register for the application by entering my email, password, and confirming my password.	2	High	Abirami.S Sowmiya.S
Sprint-1		USN-2	As a user, we must register for an IBM cloud account, IoT platform, RED node service and uncertain DB.	1	High	Srinivasan.D Sarani Sri.E
Sprint-2		USN-3	As a user, we develop a python script to publish random sensor data.	2	Low	Srinivasan.D Sowmiya.S
Sprint-3		USN-4	As a user, a web UI should be created in Node-RED using dashboard nodes available in it.	2	Medium	Abirami.S Sarani Sri.E
Sprint-4	Login	USN-5	As a user, In this milestone you are expected to get started with the ideation and project process.	1	High	Abirami.S Srinivasan.D

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	31Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	08Nov 2022	30	30 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	45	06 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	18 Nov 2022	50	07 Nov 2022

Velocity:

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

Burndown Chart: .

