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

Date	18th October 2022
Team ID	PNT2022TMID15687
Project Name	Real-Time River Water Quality monitoring and control system
Maximum Marks	8 Marks

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	Mobile UI	USN-1	As a user,I can study the river water quality by registering into Mobile app	10	High	Brinda A, Divya priya MS
Sprint-1	Secure Login	USN-2	As a user, I can login into App securely and my login credentials are securely stored in database	5	High	Gejashree T, Dheekshitha S
Sprint-1	Alerting Authority	USN-3	As a user, I can alert the authority by sending mail or SMS	5	Medium	Dheekshitha S, Divya Priya MS, Brinda A
Sprint-2	Quick delivery of sensor values	USN-4	As a user, I can get the data values without any latency	20	Medium	Gejashree T, Dheekshitha S
Sprint-3	Login	USN-5	As a administrator,I should maintain a database for all users	5	Low	Brinda A, Divya priya MS
Sprint-3	Dashboard	USN-6	As a user,I can analyse the sensor data using charts in Web App Dashboard	15	Low	Gejashree T, Dheekshitha S
Sprint-4	Monitoring	USN-7	For Real-Time water quality monitoring, messages are immediately send to concerned authorities when parameters cross threshold.	10	Medium	Dheekshitha S, Divya Priya MS, Brinda A, Gejashree T
Sprint-4	Accurate	USN-8	As a user,I can get accurate results.	10	High	Gejashree T, Brinda A

Project Tracker & 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

Burndown Chart: