Project Planning Phase

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

Date	3 November 2022
Team ID	PNT2022TMID33019
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, I can register for the application by entering my email, password, and confirming my password.	2	High	4
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	4
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	4
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	4
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	4
Sprint-3	Dashboard	USN-6	As a user, I want to know about my waterbody's locations instantly.	3	High	4
Sprint-3		USN-7	As a user, I can check and view the details of the river that I want to know.	3	High	4
Sprint-2		USN-8	As a user, I can know the parameters like pH value, Temperature, Salinity, Harmful toxins, etc..	2	Medium	4

Sprint-3		USN-9	As a user, I can protect myself and the resident people from the water borne diseases by checking the quality of the waterbodies through this application	4	High	4
Sprint-4	Database	USN-10	As a Local Authority, I was notified by the web application if any hazardous things were present.	4	High	4

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	6	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	4	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	9	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

1) AV = Sprint Duration / Velocity = 6/6 = 1

2) AV = Sprint Duration / Velocity = 4/6 = 0.67

3) AV = Sprint Duration / Velocity = 9/6 = 1.5

4) AV = Sprint Duration / Velocity = 4/6 = 0.67

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.