

## Project Planning Phase

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

Date	10 November 2022
Team ID	PNT2022TMID36752
Project Name	Project – 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	Monitoring the river water quality	USN-1	Nowadays water is the is the most valuable for all the human beings drinking water utilities faces challenges in real-time operation. Hence there is a need of better methodologies for monitoring the water quality.	2	High	<ul style="list-style-type: none"> <li>• Dharanikumar.B</li> <li>• Hari.N</li> <li>• Jayachandran.R</li> <li>• John Yabaz.S</li> <li>• Suresh.S</li> </ul>
Sprint-2	Avoid unwanted content in river water	USN-2	In real time river water, having some unwanted contents. In this Sprint will monitoring this water quality	1	High	<ul style="list-style-type: none"> <li>• Dharanikumar.B</li> <li>• Hari.N</li> <li>• Jayachandran.R</li> <li>• John Yabaz.S</li> <li>• Suresh.S</li> </ul>

Sprint-3	Controlling the water	USN-3	<p>It monitors the river water by 24/7 hours to control unwanted contents.</p> <p>The industry has quality pipes to transfer the water and proper maintenance service once in a month. The industry must take care of what are the necessary process to controlling river water.</p>	2	Low	<ul style="list-style-type: none"> <li>• Dharanikumar.B</li> <li>• Hari.N</li> <li>• Jayachandran.R</li> <li>• John Yabaz.S</li> <li>• Suresh.S</li> </ul>
Sprint-4	The model is trained and by sample dataset	USN-4	The programmer designs the model to monitoring and control river water quality	2	Medium	<ul style="list-style-type: none"> <li>• Dharanikumar.B</li> <li>• Hari.N</li> <li>• Jayachandran.R</li> <li>• John Yabaz.S</li> <li>• Suresh.S</li> </ul>