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

Date	29 October 2022
Team ID	PNT2022TMID11573
Project Name	Project - Efficient Water Quality Analysis & Prediction using Machine Learning
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	Data Preparation	USN-1	Collecting water dataset and pre-processing it	10	High	S.Arunkumar G.Arunpandi
Sprint-1	Model Building and Model Evaluation	USN-2	Create an ML model to predict water quality.Calculate the performance, error rate, and complexity of the ML model and evaluate the dataset based on the parameter that the dataset consists.	10	High	S.Arunkumar G.Arunpandi
Sprint-2	Model Deployment	USN-3	As a user, I need to deploy the model and need to find the results.	20	High	T.N.Harivarshan S.Arunkumar
Sprint-3	Web page (Form)	USN-4	As a user, I can use the application by entering the water dataset to analyze or predict the results.	20	High	T.N.Harivarshan S.Arunkumar G.Arunpandi S.Bogar
Sprint-4	Dashboard	USN-5	As a user, I can predict the water quality by clicking the submit button and the application will show whether the water is efficient for use or not.	20	High	T.N.Harivarshan S.Arunkumar G.Arunpandi S.Bogar