

Project Planning Phase

Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	27 October 2022
Team ID	PNT2022TMID52978
Project Name	Efficient Water Quality analysis and 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	Task	Story Points	Priority	Team Members
Sprint-1	Data preprocessing	USN-1	Processing the data prior to coding and making sure the dataset is usable for our application.	2	Medium	K Ramnath K Rohith Gupta
Sprint-1	Parameter inputs for prediction	USN-2	As a user, I can enter the test data required in the model for the quality prediction.	1	High	Santhosh Srinivas L K Ramnath
Sprint-2	Coding (Accessing and processing datasets)	USN-3	Coding is a set of instructions used to manipulate information so that a certain input results in a particular output.	2	High	G Sree Harine Santhosh Srinivas L K Ramnath
Sprint 3	Model Building and Evaluation	USN-4	Development of the model to perform testing to predict the water quality using the water quality index.	2	High	K Ramnath K Rohith Gupta G Sree Harine
Sprint-4	Web Application	USN-5	As a user, he/she will input the required parameters and obtain the prediction through the application.	1	Medium	Santhosh Srinivas L K Rohith Gupta

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	4 Days	24 Oct 2022	27 Oct 2022	20	29 Oct 2022
Sprint-2	20	5 Days	28 Oct 2022	01 Nov 2022	20	04 Nov 2022
Sprint-3	20	8 Days	02 Nov 2022	09 Nov 2022	20	11 Nov 2022
Sprint-4	20	9 Days	10 Nov 2022	18 Nov 2022	20	19 Nov 2022