SPRINT DELIVERY PLAN

Date	20 October 2022
Team ID	PNT2022TMID11378
Project Name	Efficient Water Quality Analysis and Prediction using Machine Learning
Maximum Marks	8 Marks

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data Collection	USN-1	Collecting dataset for pre-processing	10	High	Uppala Jayasree T Sai Chandana Turaga Yasaswini Sangavi S
Sprint-1		USN-2	Data pre-processing-Used to transform the data into useful format.	10	Medium	Uppala Jayasree T Sai Chandana Turaga Yasaswini Sangavi S
Sprint-2	Model Building	USN-3	Calculate the Water Quality Index (WQI) using Regression algorithm of machine learning.	10	High	Uppala Jayasree T Sai Chandana Turaga Yasaswini Sangavi S
Sprint-2		USN-4	Splitting the data into training and testing from the entire dataset.	10	Medium	Uppala Jayasree T Sai Chandana Turaga Yasaswini Sangavi S
Sprint-3	Training and Testing	USN-5	Training the model using regression algorithm and testing the performance of the model	20	Medium	Deepthivarsha E G Basireddygari Dhavala Anusha R Abinaya Kamatchi
Sprint-4	Implementation of Web page	USN-6	Implementing the web page for collecting the data from user	10	High	Uppala Jayasree T Sai Chandana Turaga Yasaswini Sangavi S
Sprint-4		USN-6	Deploying the model using IBM Cloud and IBM Watson Studio	10	Medium	Uppala Jayasree T Sai Chandana Turaga Yasaswini Sangavi S

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	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

Velocity:

Sprint 1 Average Velocity:
Average Velocity = 20/2 = 10

Sprint 2 Average Velocity:
Average Velocity = 20/2 = 10

Sprint 3 Average Velocity:
Average Velocity = 20/1 = 20

Sprint 4 Average Velocity:
Average Velocity = 20/2 = 10

Burndown Chart: