Project Planning Phase

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

Date	14 November 2022
Team ID	PNT2022TMID51187
Project Name	Project – 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	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.	5	High	P.Vasantha Devi, K.Abinaya
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	5	High	P.Vasantha Devi, K.Abinaya
Sprint-1	Input page	USN-3	As a user, I can give my water parameters through the input form.	5	High	P.Vasantha Devi, K.Abinaya
Sprint 1	Contact and About us page	USN-4	As a user, I can share my feedback with the admin.	5		
Sprint-2	Storing and Accessing of user data in database.	USN-1	User information is stored in the database during registration and it is verified while user login to the page.	10	High	P.Deepika, T.Mahalakshmi
Sprint-2	Loading of sample dataset	USN-2	Loading of sample dataset for the prediction purpose.	10	High	P.Deepika, T.Mahalakshmi
Sprint-3	Accessing dataset and calculating the result	USN-1	The result is calculated by comparing the water parameters given by the user with the dataset.	20	High	P.Vasantha Devi, P.Deepika K.Abinaya, T.Mahalakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Displaying of result	USN-1	Finally the calculated result is displayed to the user (Whether the water is potable or not and the purposes of predicted water like drinking, gardening, domestic purpose, etc).	20	High	P.Vasantha Devi, P.Deepika K.Abinaya, T.Mahalakshmi

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	10 Nov 2022	14 Nov 2022	20	14 Nov 2022
Sprint-2	20	4 Days	12 Nov 2022	16 Nov 2022	20	16 Nov 2022
Sprint-3	20	4 Days	13 Nov 2022	17 Nov 2022	20	17 Nov 2022
Sprint-4	20	4 Days	14 Nov 2022	18 Nov 2022	20	18 Nov 2022

AVERAGE VELOCITY:

$$AV=\text{Sprint Duration}/\text{Velocity}$$

$$AV=4/2=2.$$

Burn down chart: