

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID24172
Project Name	Efficient Water Quality Analysis & Prediction using Machine Learning
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Data collection	USN-1	First of all data is collected according to the prerequisites	2	High	Sukumar G A S Lokesh Reddy
Sprint-1	Data preprocessing	USN-2	Then the data need to be preprocessed in orderto remove the fault datas	1	low	Sukumar G A S Lokesh Reddy
Sprint-2	Model building	USN-3	Then the appropriate model is built.	2	Medium	Y Sarvesh Kumar
Sprint-3	Coding	USN-4	Then according to modelling we need to perform coding	2	High	S Venkata Krishna Y Sarvesh Kumar
Sprint-3	Application Building	USN-5	Application is built	1	High	A S Lokesh Reddy Y Sarvesh Kumar
Sprint4	Testing	USN-6	Finally testing is done to check whether the functionality is working fine.	2	High	Sukumar G S Venkata Krishna

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	2nd nov 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:

$$AV = \frac{\textit{sprint duration}}{\textit{velocity}} = \frac{20}{10} = 2$$

Burndown Chart:

Burndown Chart

