Project Planning Phase

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

Date	16 November 2022
Team ID	PNT2022TMID42412
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	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.	10	High	Selva Kumar. E, Arul Christober.T
Sprint-1	Confirmation Mail	USN-2	As a user, I will receive confirmation email once I have registered for the application.	10	High	Selva Kumar. E, Arul Christober.T
Sprint-2	Data collection	USN-1	As a user, I can Collect the data from Kaggle.	10	Low	Selva Kumar. E, Arul Christober.T
Sprint-2	Model Building	USN-2	As a user, I can create the machine learning model.	10	Medium	Selva Kumar. E, Arul Christober.T
Sprint-3	Connect to IBM-Watson	USN-1	As a user, I can connect my model into ibm cloud.	20	High	Selva Kumar. E,Shilpa Merlin.P
Sprint-4	Prediction	USN-1	As a user, I can get a output of my input parameter in the website window.	20	High	Selva Kumar. E,Sri karthiga.V

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

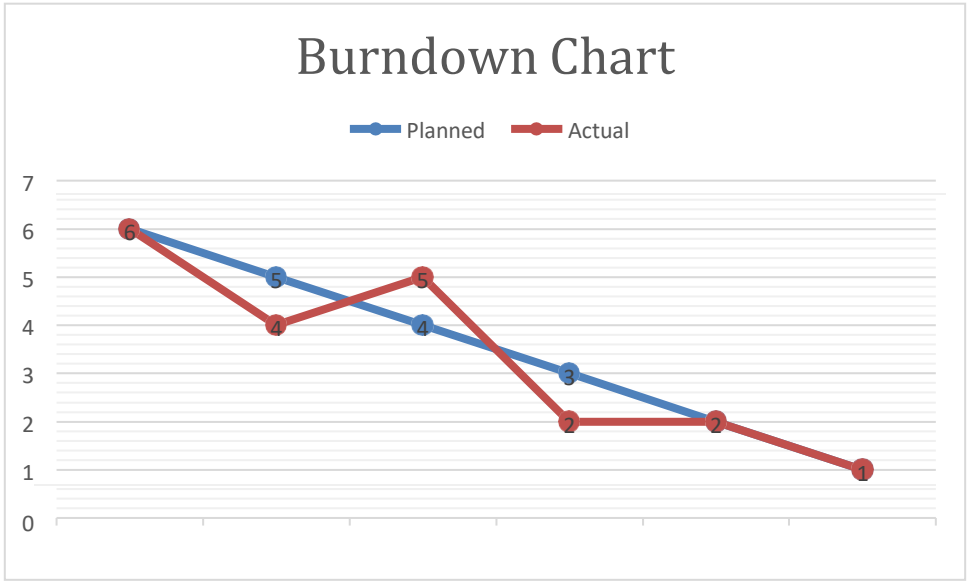
Velocity:

Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.



B3 | 24-10-2022

	A	B	C	D	E	F
1	Time		Tasks			
2	Day	Dates	Planned	Actual		
3	Mon	Oct-22	6	6		
4	Tue	Oct-22	5	4		
5	Wed	Oct-22	4	5		
6	Thurs	Oct-22	3	2		
7	Friday	Oct-22	2	2		
8	Saturday	Oct-22	1	1		
9						
10						