

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

Date	18 October 2022
Team ID	PNT2022TMID52890
Project Name	Project – Remote River Water Quality Monitoring and Control
Maximum Marks	8 Marks

Jira Software was used to construct the product backlog, sprint schedule, estimation weights, the roadmaps, and compute the burndown chart for the purpose of tracking velocity

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	Balambal S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Daphnie Ritika R
Sprint-1		USN-3	As a user, I can register for the application through Instagram/Reddit	3	Medium	Dhanalakshmi M
Sprint-1		USN-4	As a user, I can register for the application through Gmail	5	High	Dhanalakshmi M
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Daphnie Ritika R

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
	Dashboard	USN-6	As a user, I can log in to the application and access the details mentioned in the dashboard including my last login details	5	High	Dhivya S
Sprint-2	Registration	USN-7	As a user, I can register for the website by entering my email, password and confirming my password	5	High	Dhivya S
Sprint-2		USN-8	As a user, I will receive confirmation email once I have registered for the application	3	Medium	Daphnie Ritika R
Sprint-2		USN-9	As a user, I can register for the application through Instagram/Reddit	5	High	Dhivya S
Sprint-2		USN-10	As a user, I can register for the application through Gmail	3	Medium	Balambal S
Sprint-2	Login	USN-11	As a user, I can login to the website by entering my email/social media account	2	Low	Dhanalakshmi M
Sprint-2	Dashboard	USN-12	As a user, I can login to the website and access my dashboard	2	Low	Balambal S
Sprint-3	App Security Issues	USN-13	As a user, I can report any issues with logging in or account hacking to the executive	5	High	Dhanalakshmi M
Sprint-3	Data Read and Log	USN-14	As a user, I can report any issues with irrelevant data being logged into the app	8	High	Dhivya S
Sprint-4		USN-15	As a user, I can report any issues in modification of data like discontinuity to the admin as data gets logged into the app	5	Medium	Daphnie Ritika R
Sprint-3		USN-16	As a user, I can report any issues with unwanted data log into the website	5	Medium	Daphnie Ritika R
Sprint-3	App Operation Issues	USN-17	As a user, I can report any frozen screen/frozen data read issues while using the app	3	Medium	Balambal S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4		USN-18	As a user, I can report any dysfunction/malfunction in the control options in the app	5	High	Dhanalakshmi M
Sprint-4	App Visualization Issues	USN-19	As a user, I can report any missing information/faulty data visualizations	5	Medium	Dhivya S
Sprint-4	Account Misuse/Phishing Issue	USN-20	As a user, I can report any unsolicited and confidential requests made using the service provider's name	5	High	Balambal 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	26	6 Days	24 Oct 2022	29 Oct 2022	26	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	05 Nov 2022
Sprint-3	21	6 Days	07 Nov 2022	12 Nov 2022	21	11 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	18 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)

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

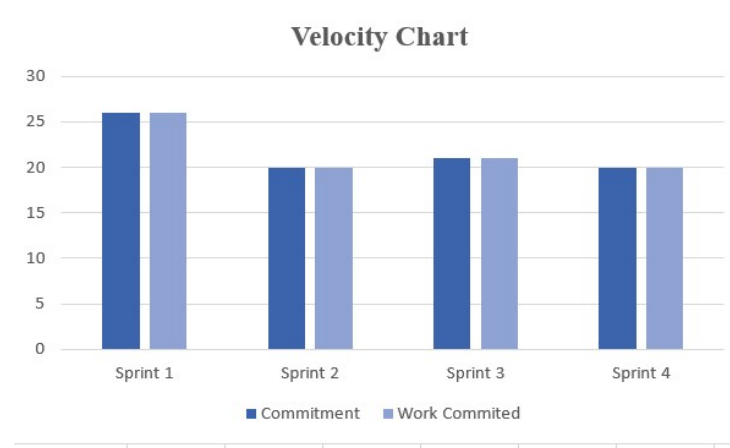
Sprint duration is six days for the project

$$AV (\text{Sprint 1}) = 26/6 = 4.33$$

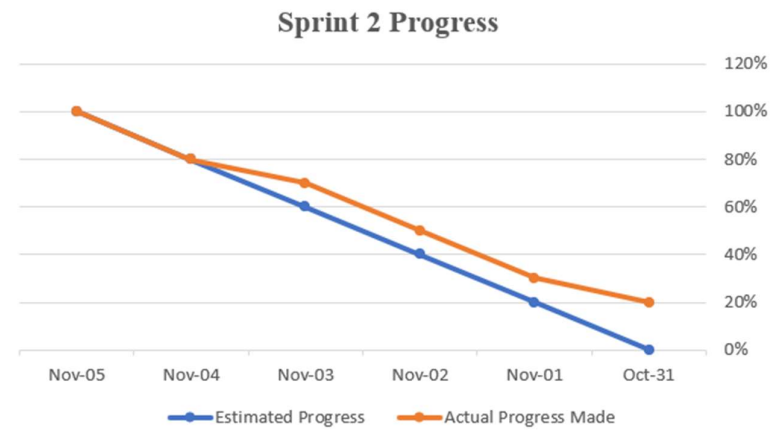
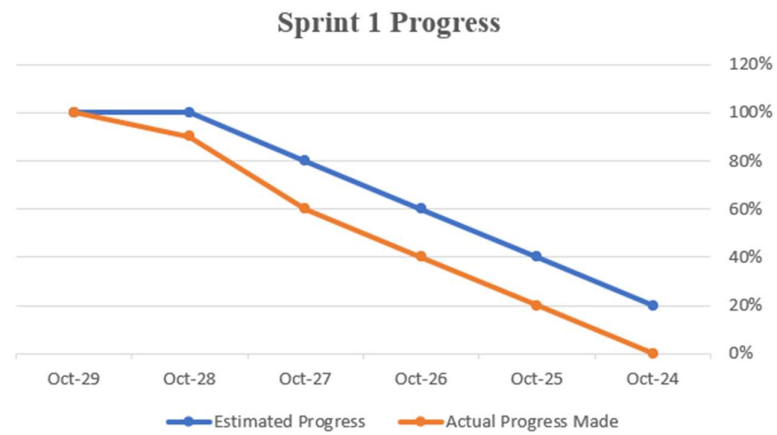
$$AV (\text{Sprint 2}) = 20/6 = 3.33$$

$$AV (\text{Sprint 3}) = 21/6 = 3.5$$

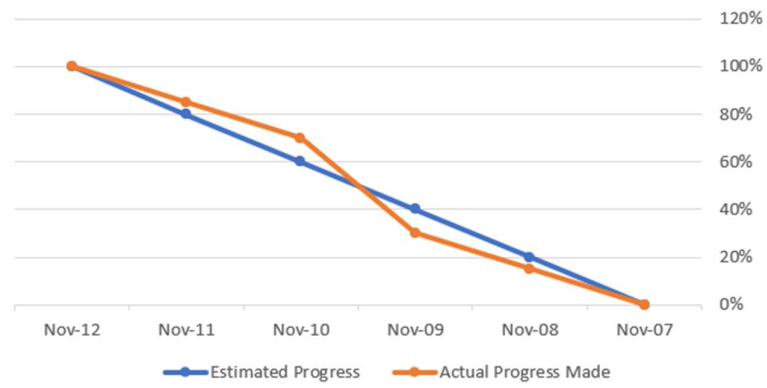
$$AV (\text{Sprint 4}) = 20/5 = 4$$



Burndown Chart:



Sprint 3 Progress



Sprint 4 Progress

