

# SPRINT DELIVERY PLAN

## Project Planning Template (Product Backlog, Sprint Planning,stories,story points)

Date	20 October 2022
Team ID	PNT2022TMID29722
Project Name	Efficient Water Quality Analysis And Prediction Using Machine Learning
Maximum Marks	4 Marks

### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

FUNCTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	USER STORY / TASK	STORY POINTS	PRIORITY	SPRINT	TEAM MEMBERS
Registration	USN-1	As a user, I can register a new account using mobile number or email with some personal details and password	2	High	Sprint-1	<div>➤ MADHAN KUMAR M</div> <div>➤ NUBAISH AHAMED S</div> <div>➤ VIGNESHWAR V</div> <div>➤ SWETHA V</div>
	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Sprint-1	<div>➤ VIGNESHWAR V</div> <div>➤ MADHAN KUMAR M</div>
	USN-3	As a user, I can register for the application through Facebook	1	Low	Sprint-1	<div>➤ NUBAISH AHAMED S</div> <div>➤ MADHAN KUMAR M</div>
Login	USN-4	As a user, I can log into the application by entering email & password	2	High	Sprint-1	<div>➤ SWETHA V</div> <div>➤ VIGNESHWAR V</div>
	USN-5	As a user, I can log into the application by Facebook ID	2	Low	Sprint-1	<div>➤ NUBAISH AHAMED S</div> <div>➤ VIGNESHWAR V</div>
Forget Passcode	USN-6	As a user, if I forget the previous password, I can make a request to create a new password	2	High	Sprint-3	<div>➤ MADHAN KUMAR M</div> <div>➤ SWETHA V</div> <div>➤ NUBAISH AHAMED S</div> <div>➤ VIGNESHWAR V</div>
	USN-7	As a user, I will receive password change conformation email with link to give new password	2	High	Sprint-3	<div>➤ SWETHA V</div> <div>➤ NUBAISH AHAMED S</div>
Dashboard	USN-8	As a user, I can upload the water parameter to check the quality	3	High	Sprint-2	<div>➤ MADHAN KUMAR M</div> <div>➤ VIGNESHWAR V</div>
	USN-9	As a user, I can view at my profile details	3	Low	Sprint-2	<div>➤ NUBAISH AHAMED S</div> <div>➤ VIGNESHWAR V</div>
Logout	USN-10	As a user, I can logout my profile after using the application	2	High	Sprint-2	<div>➤ SWETHA V</div> <div>➤ NUBAISH AHAMED S</div>
Contact	USN-11	As a user,I can get contact details of the application providers.	1	High	Sprint-4	<div>➤ MADHAN KUMAR M</div> <div>➤ VIGNESHWAR V</div>

FUNCTIONAL REQUIREMENT (EPIC)	USER STORY NUMBER	USER STORY / TASK	STORY POINTS	PRIORITY	SPRINT	TEAM MEMBERS
Installation & features	USN-12	As a user, I can install the mobile application into the device	2	High	Sprint-4	<div><div></div>MADHAN KUMAR M</div> <div><div></div>NUBAISH AHAMED S</div> <div><div></div>VIGNESHWAR V</div> <div><div></div>SWETHA V</div>
	USN-13	As a user, I can get all the feature provided in Web user	1	High	Sprint-4	<div><div></div>NUBAISH AHAMED S</div> <div><div></div>MADHAN KUMAR M</div>
Help.Queries and Feedback	USN-14	As a customer care executive, I can provide instruction or user manual to the help webpage	2	High	Sprint-3	<div><div></div>SWETHA V</div> <div><div></div>VIGNESHWAR V</div>
	USN-15	As a customer care executive, I can provide Question and Answer session to interact with the app user to solve their problems	1	Low	Sprint-3	<div><div></div>MADHAN KUMAR M</div> <div><div></div>VIGNESHWAR V</div>
	USN-16	As a customer care executive, I can get the feedback from the app user and manage respectively	1	High	Sprint-3	<div><div></div>NUBAISH AHAMED S</div> <div><div></div>VIGNESHWAR V</div>
Admin Account, Access form & Model Changes	USN-17	As a admin, I can have special administration account with additional features	2	High	Sprint-4	<div><div></div>MADHAN KUMAR M</div> <div><div></div>SWETHA V</div> <div><div></div>NUBAISH AHAMED S</div> <div><div></div>VIGNESHWAR V</div>
	USN-18	As a admin, I can access the form and credentials of the user	1	High	Sprint-4	<div><div></div>SWETHA V</div> <div><div></div>NUBAISH AHAMED S</div> <div><div></div>VIGNESHWAR V</div>
	USN-19	As a admin, I can change the model parameters and their properties	1	High	Sprint-4	<div><div></div>NUBAISH AHAMED</div> <div><div></div>SWETHA V</div> <div><div></div>MADHAN KUMAR M</div>

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	8	6 Days	24 Oct 2022	29 Oct 2022	8	29 Oct 2022
Sprint-2	8	6 Days	31 Oct 2022	05 Nov 2022	8	05 Nov 2022
Sprint-3	8	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	8	6 Days	14 Nov 2022	19 Nov 2022	8	19 Nov 2022

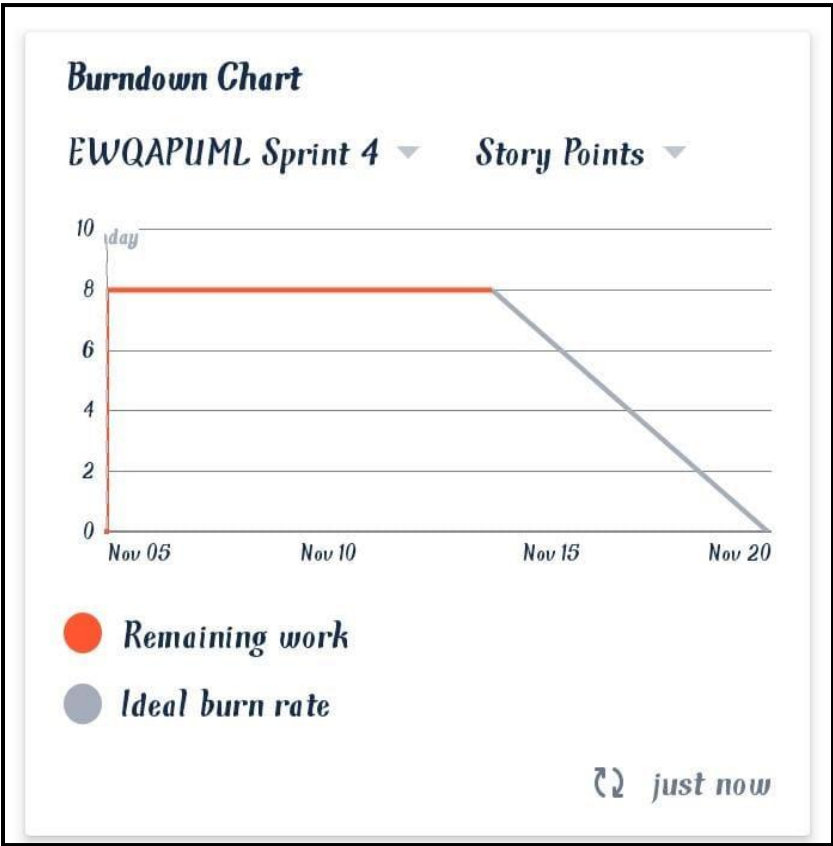
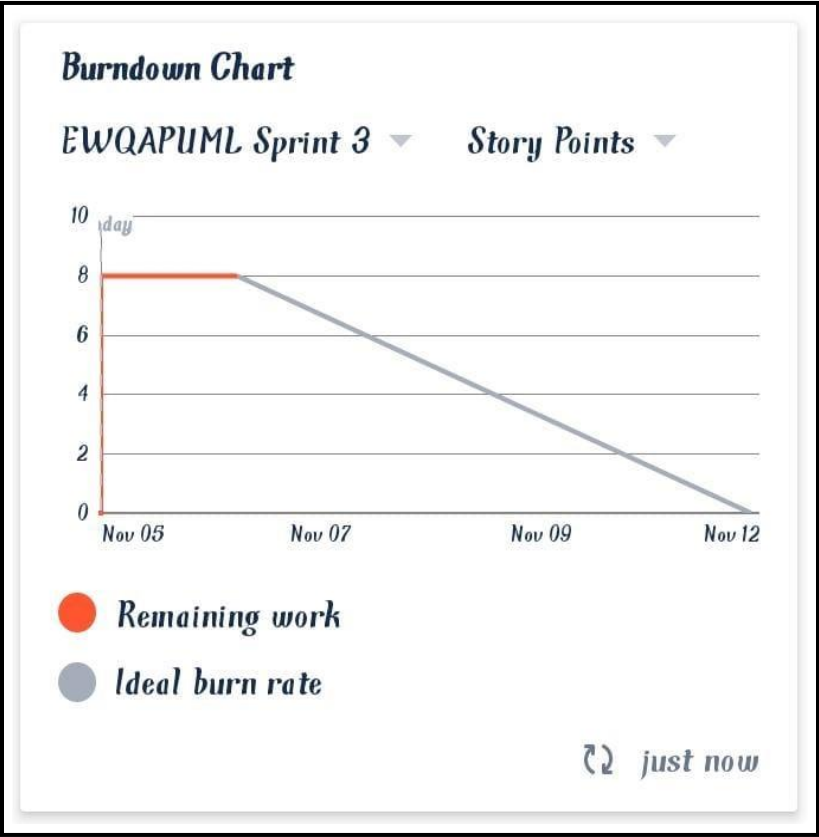
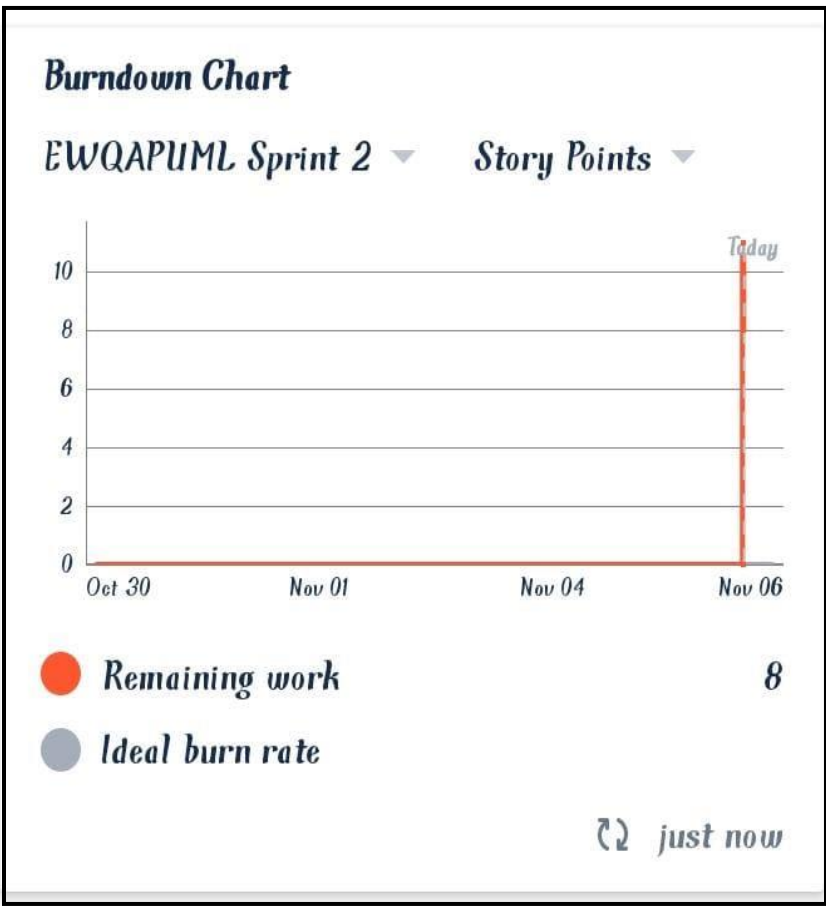
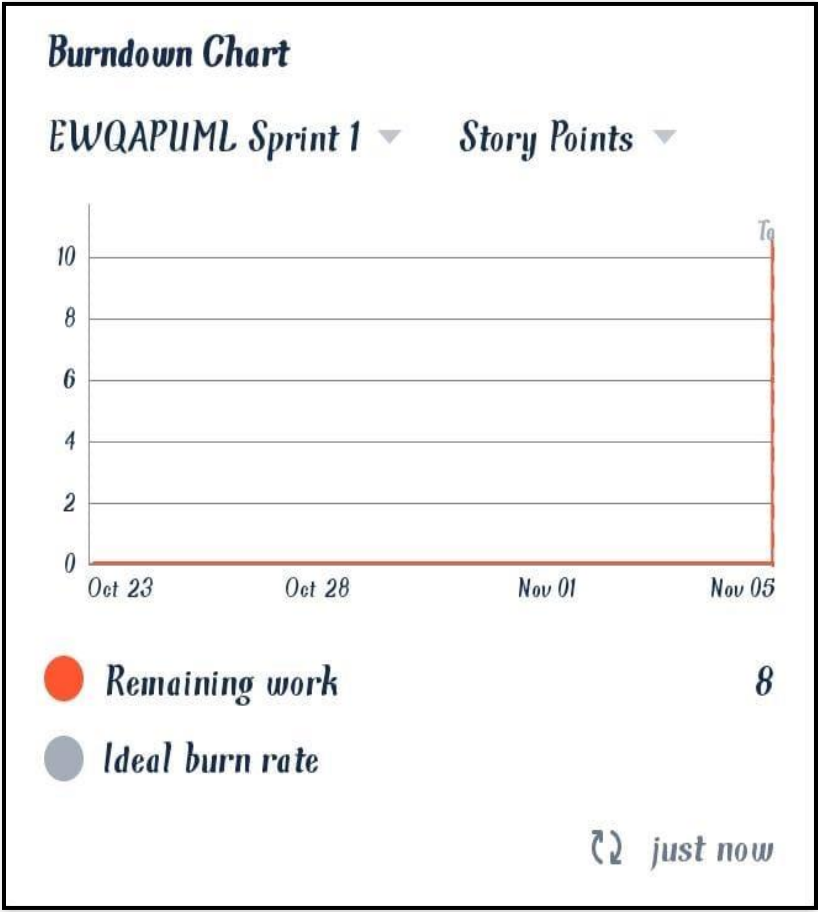
VELOCITY:

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).

$$AV = \text{Sprint duration} / \text{Velocity} = 8 / 6 = 1.3$$

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.



REFERENCE LINK:

<https://pmt2022tmid29722.atlassian.net/jira/software/projects/EWQAPUML/boards/1/reports/burndown>