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

Date	20 October 2022
Team ID	PNT2022TMID21520
Project Name	Project - Gas Leakage monitoring & Alerting system for Industries
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.	2	High	MITHUL KANNAN K R
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	PALANI KUMAR S
Sprint-1		USN-3	As a user, I can register for the application through Facebook	2	Low	ARAVINTH S
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	SURYA KUMAR K
Sprint-1	Monitoring	USN-5	As a user, I can monitor the status of gas leakage	1	High	MITHUL KANNAN K R
Sprint-2	Login	USN-6	As a user, I can log into the application by entering email & password	1	High	MITHUL KANNAN K R PALANI KUMAR S
Sprint-2	Dashboard	USN-7	As a user, I can see the dashboard that contains the core features	1	Medium	ARAVINTH S SURYA KUMAR K
Sprint-2	Cloud configure	USN-8	Create and configure the IBM Cloud services which are being used in this project.	2	HIgh	MITHUL KANNAN K R
			Connect the IoT device to the IBM cloud, create a device in the IBM Watson IoT platform and get the device credentials	3	Medium	PALANI KUMAR S ARAVINTH S

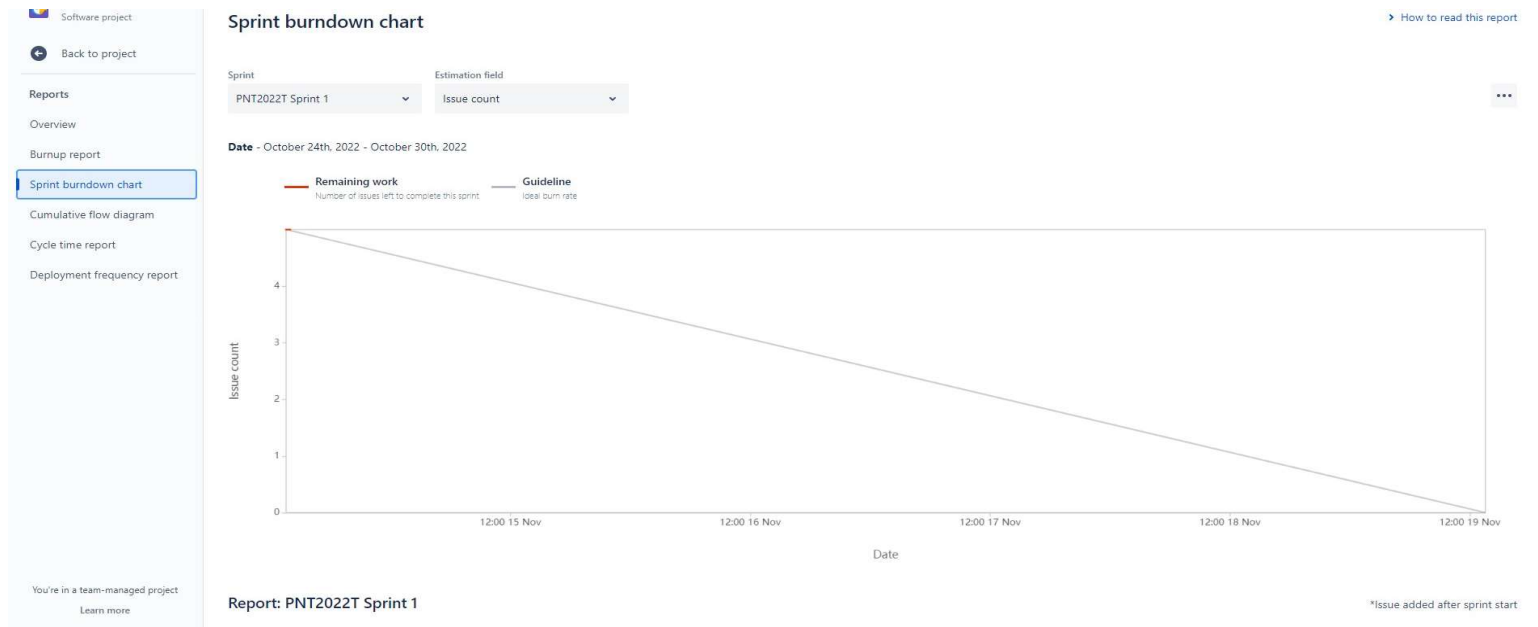| Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Notification	USN-9	As a user, I can receive notification when there is a hazardous gas detected	2	High	MITHUL KANNAN K R SURYA KUMAR K
Sprint 3	Network connection	USN-10	The device should be connected to internet always	1	Medium	PALANI KUMAR S SURYA KUMAR K
Sprint 4	Administrator	USN-11	As an administrator , I should be able to monitorthe gas sensor data in dashboard and receive notification.	2	High	MITHUL KANNAN K R PALANI KUMAR S
			As an admin, I can provide or revoke login credentials	2	Medium	MITHUL KANNAN K R

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	30 Oct 2022	06 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	08 Nov 2022	13 Nov 2022	20	13 Nov 2022
Sprint-4	20	6 Days	15 Nov 2022	19 Nov 2022	20	19 Nov 2022

Velocity:

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

Burndown Chart:

Road Map: