

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID19226
Project Name	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	Hariboobaalan P N
Sprint-1	Confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	2	High	Harithaa G
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	3	High	Kavin P
Sprint-1	Authorize	USN-3	As a user, I will enable the supervisor to monitor the gas leakage system status.	5	High	Karthikeyan C
Sprint-1	Monitor	USN-5	As a user, I can monitor the status of the gas leakage system.	8	High	Karthikeyan C
Sprint-2	Notification	USN-7	As a user, I can get SMS notification.	7	Medium	Harithaa G
Sprint-2	Notification	USN-8	As a user, I can get alarming alert about gas leakage.	8	Medium	Hariboobaalan P N
Sprint-3	Sign-Up	USN-9	As a user, I can sign-up using Facebook login.	7	Low	Kavin
Sprint-3	Service Request	USN-11	As a user, I can request for service in case of any issue with gas leakage monitoring system	13	Medium	Hariboobaalan P N, Harithaa G
Sprint-4	Increased service	USN-12	As a user, I can request for scaling up the gas leakage monitoring system.	20	Medium	Karthikeyan C, Kavin P

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:

We have a 6-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).

$$AV = \frac{\text{sprint duration}}{\text{velocity}} = \frac{20}{6} = 3.33$$

Burndown Chart:

Sprint 1

