

Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID17850
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	Monitor the gas leakage	USN-1	The industry owner must take of workers. The workers also have family and so the industries must give security assurance to workers.	20	High	Dhamodaran.S.M Ahalyaa.K Deekshith.K Haribhabu.C
Sprint-2	Avoid From Disaster	USN-2	During the gas leakage, the fire service of the government will take care of protecting the people from the disaster.	10	High	Dhamodaran.S.M Ahalyaa.K Deekshith.K Haribhabu.C
Sprint-3	Detect the gas	USN-3	We have to monitor the gas by 24/7 hrs. To avoid leakage, the industry must install quality pipes to transfer the gas and have proper maintenance service once in a month. The industry must take care of the necessary processes to avoid the gas leakage.	20	Low	Dhamodaran.S.M Ahalyaa.K Deekshith.K Haribhabu.C
Sprint-4	The model is trained and tested by sample dataset.	USN-4	The programmer will design the model to detect the gas leakage.	20	Medium	Dhamodaran.S.M Ahalyaa.K Deekshith.K Haribhabu.C

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	10	6 Days	31 Oct 2022	05 Nov 2022	10	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)

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