

Project Planning Phase

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

Date	04 NOVEMBER 2022
Team ID	PNT2022TMID38668
Project Name	Gas Leakage Monitoring And 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 Industrialist have own industries so the industry owner must take of workers.The workers have family so the industries give security assurance of workers.	2	High	Hema Sri B A Preethi E Sivasangari P Sakthi Maheshwari M
Sprint-2	Avoid From Disaster	USN-2	The gas leakage occur at the time fire service will take care to protect the people from the disaster.	1	High	Hema Sri B A Preethi E Sivasangari P Sakthi Maheshwari M
Sprint-3	Detect the gas	USN-3	We have monitor the gas by 24/7 hrs. To avoid leakage,the industry have quality pipes to transfer the gas and proper maintainance service once in a month. The industry musttake care of what are the necessary process toavoid the gas leakage.	2	Low	Hema Sri B A Preethi E Sivasangari P Sakthi Maheshwari M
Sprint-4	The model is trained and tested by sample dataset.	USN-4	The programmer design the model to detect the gas leakage.	2	Medium	Hema Sri B A Preethi E Sivasangari P Sakthi Maheshwari M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-5	Warning message	USN-5	Incase any gas leakage occur, the device give the alarm and alert message to concerned user within a minute.	1	High	Hema Sri B A Preethi E Sivasangari P Sakthi Maheshwari M

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
Sprint-5	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)

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