Project Planning Phase

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

Date	16 November 2022
Team ID	PNT2022TMID47989
Project Name	Gas Leakage Monitoring and Alerting System for Industries
Maximum Marks	8 Marks

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

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	T.D. Ramkumar P. Priyanka R.M. Prasanna
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	A. Swetha B. Nagarajan R.M. Prasanna
Sprint-3	Detect the gas	USN-3	We have monitored the gas by 24/7 hrs. To avoid leakage, the industry has quality pipes to transfer the gas and proper	2	Low	T.D. Ramkumar P. Priyanka A. Swetha R.M. Prasanna

			maintenance service once in a month. The industry must take care of what are the necessary process to avoid the gas leakage.			
Sprint-4	The model is trained and tested by sample dataset.	USN-4	The programmer designs the model to detect the gas leakage.	2	Medium	A. Swetha B. Nagarajan R.M. Prasanna T.D. Ramkumar
Sprint-5	Warning message	USN-5	In case any gas leakage occurs, the device gives the alarm and alert message to concerned user within a minute.	1	High	T.D. Ramkumar R.M. Prasanna P. Priyanka A. Swetha

Project Tracker, Velocity & Burndown Chart: (4 Marks):

Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint 1	20	6 Days	18 October 2022	24 October 2022	20	24 October 2022
Sprint 2	20	6 Days	25 October 2022	30 October 2022	20	30 October 2022
Sprint 3	20	6 Days	31 October 2022	6 November 2022	20	6 November 2022
Sprint 4	20	6 Days	7 November 2022	14 November 2022	20	14 November 2022
Sprint 5	20	6 Days	14 November 2022	18 November 2022	20	18 November 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)

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