Project Planning Phase

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

Date	3 November 2022
Team ID	PNT2022TMID38324
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	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Resources Initialization	USN-1	Open APIs can be registered for, including the Open Weather Map API.	1	Low	Satheeswari E
Sprint-1	Local Server/Software Run	USN-1	Create a Python programme that responds to inputs like location and weather by producing outputs.	1	Medium	Priyadharshini T
Sprint-2	Push the server/software to cloud	USN-2	Put the code from Sprint 1 in the cloud so that anyone may view it.	2	Medium	Muthukumaran R
Sprint-3	Hardware initialization	USN-3	Integrate the hardware to enable input from and access to cloud services.	2	High	Saranya G
Sprint-4	UI/UX Optimization& Debugging	USN-4	Improve the user experience and optimise all the flaws.	2	Low	Saranya G

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	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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