Project Planning Phase

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

Date	17 November 2022
Team ID	PNT2022TMID04012
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	Hardware and Software	USN-1	Sensors without wifi - Simulation. .	2	High	Pranav, Aravindan, Jaikishore, Sharathkumar
Sprint-2	Software	USN-2	Python script to simulate sensors	2	High	Pranav, Aravindan, Jaikishore, Sharathkumar
Sprint-3	Software	USN-3	IBM Watson IoT platform, Workflows for IoT scenarios using Node-red	2	High	Pranav, Aravindan, Jaikishore, Sharathkumar
Sprint-4	Web UI	USN-4	To make the user to interact with software.	2	High	Pranav, Aravindan, Jaikishore, Sharathkumar

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		5thNOV 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		12thNOV 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		19thNOV 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)

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