Project Planning Phase

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

Date	17 November 2022
Team ID	PNT2022TMID13514
Project Name	Gas Leakage Monitoring & Alerting System for Industries
Maximum Marks	8 Marks

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	Python Code connection with IBM cloud	USN-1	Python code is created for getting the gas leakage values and prerequisites.	1	High	SOWMYA S
		USN-2	Python code is linked with the IBM cloud	3	High	SELVASANTHIYA M
Sprint-2	IBM Watson	USN-3	Watson device connection with output	3	High	SATHIYAPRIYA N
		USN-4	Watson dashboard creation	1	High	SELVASANTHIYA M
Sprint-3	Node red	USN-5	Node-red flow	5	Low	MANISHA S
		USN-6	Node-red dashboard	3	High	SATHIYAPRIYA N
Sprint-4	Web UI and Fast SMS	USN-7	Creation of web UI and fast SMS	2	Medium	SOWMYA S

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

Use the below template to create product backlog and sprint schedule

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	17 Nov 2022	4	19 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	17 Nov 2022	4	19 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	17 Nov 2022	8	19 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	17 Nov 2022	2	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)

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

AV= 20/2

=10

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

Reference:
https://pnt2022tmid13514.atlassian.net/jira/software/projects/GLMASFI/boards/1/roadmap