Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID13514
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	User Notification	USN-1	As a employer, Alert notification via message is received	1	High	SOWMYA S
Sprint-1		USN-2	As a employer, Alert notification via call or mail is received.	3	High	SELVA SANTHIYA M
Sprint-2		USN-3	As a employee, Alert notification via buzzer sound is analyzed.	5	Low	SATHIYA PRIYA N
Sprint-1		USN-4	As a user, it checks impurities simultaneously. And gives alert	2	Medium	MANISHA S
Sprint-1	Confirmation	USN-5	As a employer, I get confirmation mail after the gas leakage get cleared.	1	High	SOWMYA S
Sprint-3	Dashboard	USN-6	As a industrialists, will get the details of gas leakage	8	High	MANISHA S
Sprint-4	Solution	USN-7	To rectify the problem of gas leakage, escaping of gas from the location occurs	3	Medium	SELVA SANTHIYA 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	7	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	5	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	8	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	3	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)

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

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://github.com/IBM-EPBL/IBM-Project-2963-1658488855/tree/main/Project%20Design%20%26%20Planning/Project%20Planning/Jira%20files