Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID09849
Project Name	GAS LEAKAGE MONITORING AND 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 isreceived	1	High	SHALINI NARAYANI
Sprint-1		USN-2	As a employer, Alert notification via call or mailis received.	3	High	SHIYAMSUNDAR THAVAMALAR
Sprint-2		USN-3	As a employee, Alert notification via buzzersound is analyzed.	5	Low	VEERENDRANATH SHALINI NARAYANI
Sprint-1		USN-4	As a user, it checks impurities simultaneously.And gives alert	2	Medium	SHIYAMSUNDAR THAVAMALAR
Sprint-1	Confirmation	USN-5	As a employer, I get confirmation mail after thegas leakage get cleared.	1	High	VEERENDRANATH SHALINI NARAYANI
Sprint-3	Dashboard	USN-6	As a industrialists, will get the details of gasleakage	8	High	SHIYAMSUNDAR SHALINI NARAYANI
Sprint-4	Solution	USN-7	To rectify the problem of gas leakage, escapingof gas from the location occurs	3	Medium	THAVAMALAR VEERENDRANATH

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:

-2963-1658488855/tree/main/Project% https://github.com/IBM-EPBL/IBM-Project20Design%20%26%20Planning/Project%20Planning/Jira%20files

JIRA SOFTWARE: