Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID32813
Project Name	Project – Industry-specific fire management system
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	Registration (Mobile user)	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	1	Low	Sudharshanan.G.S, Sudhakar.S
Sprint-1	Login (Mobile user)	USN-2	As a user, I can log into the application by entering email & password	3	High	Sivabala.K, Srinivasan.T
Sprint-2	Dashboard (Mobile user)	USN-3	By entering correct password, I could access the dashboard.	13	Medium	Sudharshanan.G.S, Sudhakar.S
Sprint-3	Alert message (Mobile user)	USN-4	As a user, I can get alert messages regarding smoke and temperature parameters.	13	High	Sudharshanan.G.S, Sudhakar.S
Sprint-4	Data storage (Mobile user)	USN-5	As a user, I will able to store parameter values.	2	High	Sudharshanan.G.S, Sudhakar.S
Sprint-4	Checking (Mobile & web user)	USN-6	As a user I can Test the system performance, for an emergency case, it is deployed and I can use the system 24/7.	8	High	Sivabala.K, Srinivasan.T
Sprint-1	Login (web user)	USN-7	As a user, I can log into the application by entering email & password	13	High	Sudharshanan.G.S, Sudhakar.S
Sprint-1	Dashboard (web user)	USN-8	I could access the dashboard.	3	Medium	Sivabala.K, Srinivasan.T

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Alert message (web user)	USN-9	As a user, I can get alert messages regarding smoke and temperature parameters.	5	High	Sudharshanan.G.S, Sudhakar.S
Sprint-4	Data Storage message (web user)	USN-10	As a user, I will able to store parameter values.	2	High	Sudharshanan.G.S, Sudhakar.S
Sprint-4	Checking (Mobile & web user)	USN-11	As a user, I can check whether the system correctly detects the fire and gas, and does it alerts the user, also whether the fire or smoke has been put down or not.	8	High	Sivabala.K, Srinivasan.T

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		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 Nov 2022	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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts