Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID32725
Project Name	HAZARDOUS AREA MONITORING FOR INDUSTRIAL PLANT POWERED BY IOT
Maximum Marks	8 Marks

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

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-1	User Resistration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	1	High	Dharshini,Aashikaa, Harini,Ferdina
Sprint-1	User confirmation	USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Dharshini,Aashikaa, Harini,Ferdina
Sprint-1	User Registration via Facebook	USN-3	As a user, I can register for the application through Facebook	2	Low	Dharshini,Aashikaa, Harini,Ferdina
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password	1	High	Dharshini,Aashikaa, Harini,Ferdina
Sprint-2	Dashboard	USN-5	The web UI is developed and used for connecting the user to cloud services	1	High	Dharshini,Aashikaa, Harini,Ferdina
Sprint-3	Data	USN-6	As a user,I can receive the data from cloud	1	Medium	Dharshini,Aashikaa, Harini,Ferdina
Sprint -4	Device set up	USN-7	Mobile application is created using fast SMS API to send alert messages from the various sensors	2	Medium	Dharshini,Aashikaa, Harini,Ferdina

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	20	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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