Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID54475
Project Name	IoT based safety gadget for child safety and notification 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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Madesh A S, Ilavarasan T K, SuryaPrakash V
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application .	3	High	Madesh A S, Hemanath Shree V, Ilavarasan T K
Sprint-1		USN-4	As a user, I can register for the application	3	Medium	Hemanath Shree V, Ilavarasan T SuryaPrakash V
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	3	Low	Madesh A S, SuryaPrakash V Hemanath Shree V

Sprint-2		USN-5	As a user, I can logout of the application.	5	High	Madesh A S, Ilavarasan T K, Hemanath Shree V, SuryaPrakash V
Sprint-4	Dashboard	USN-6	As a user, I can receive alert notifications if the movement is beyond the geofence.	13	High	Madesh A S, Hemanath Shree V, Ilavarasan T K, SuryaPrakash V
Sprint-2		USN-7	As a user I can enter the coordinates and monitor the child's movement.	5	Medium	Madesh A S, Hemanath Shree V, Ilavarasan T K, SuryaPrakash V
Sprint-3		USN-8	As a user I can update the coordinates whenever necessary.	13	Medium	Madesh A S, Hemanath Shree V, Ilavarasan T K, SuryaPrakash V

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	12	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	13	12 Nov 2022
Sprint-4	13	6 Days	14 Nov 2022	19 Nov 2022	13	19 Nov 2022

Velocity:

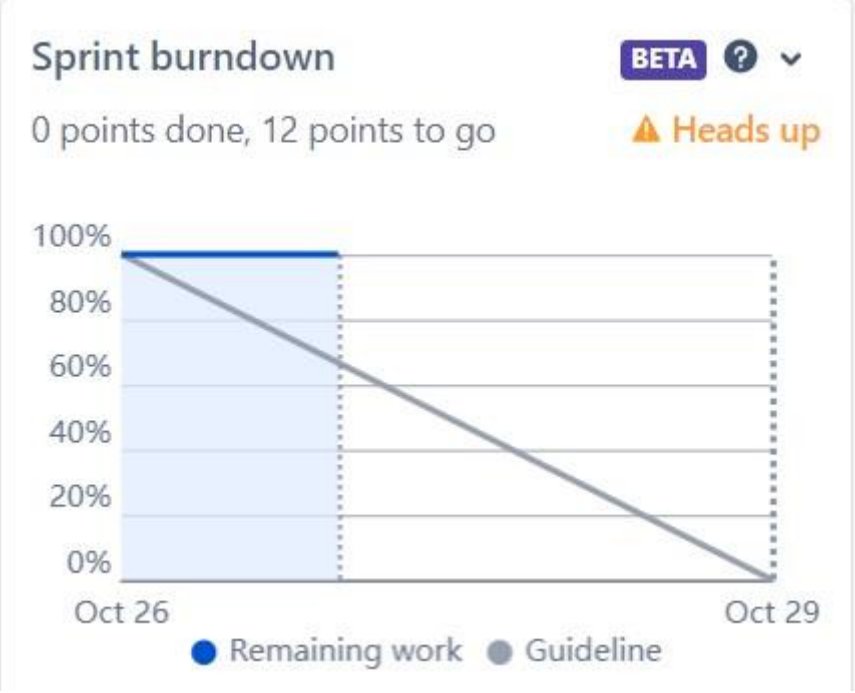
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

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.

For Sprint-I



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