Project Planning Phase

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

Date	1 November 2022
Team ID	PNT2022TMID23100
Project Name	Project – IoT based safety gadget for child safety monitoring and notification
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.	5	High	Aiswarya
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Shanmugapriya
Sprint-2		USN-3	As a user, I can register for the application through Facebook	10	Low	Jeyapriya
Sprint-1		USN-4	As a user, I can register for the application through Gmail	5	Medium	Harshini
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Aiswarya
Sprint-2	Dashboard	USN-6	As a user, I can see the temperature, GPS tracker, alarm in case of Emergency and notification options.	10	High	Harshini, Jeyapriya
Sprint-3	Interfacing with mobile application	USN-7	As a user, I can send alarm sound to alert the bystanders	10	Low	Shanmugapriya, Jeyapriya
Sprint-3		USN-8	As a user, I can see the temperature, location of my child	10	High	Aiswarya, Shanmugapriya
Sprint-4	Data base collection	USN-9	As a user, I want the data to be stored	5	Medium	Aiswarya, Harshini, shanmugapriya

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 4	Mobile application	USN-10	As a user, I can sense the child safety device using sensor and monitor using mobile app	15	Medium	Aiswarya, Jeyapriya

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

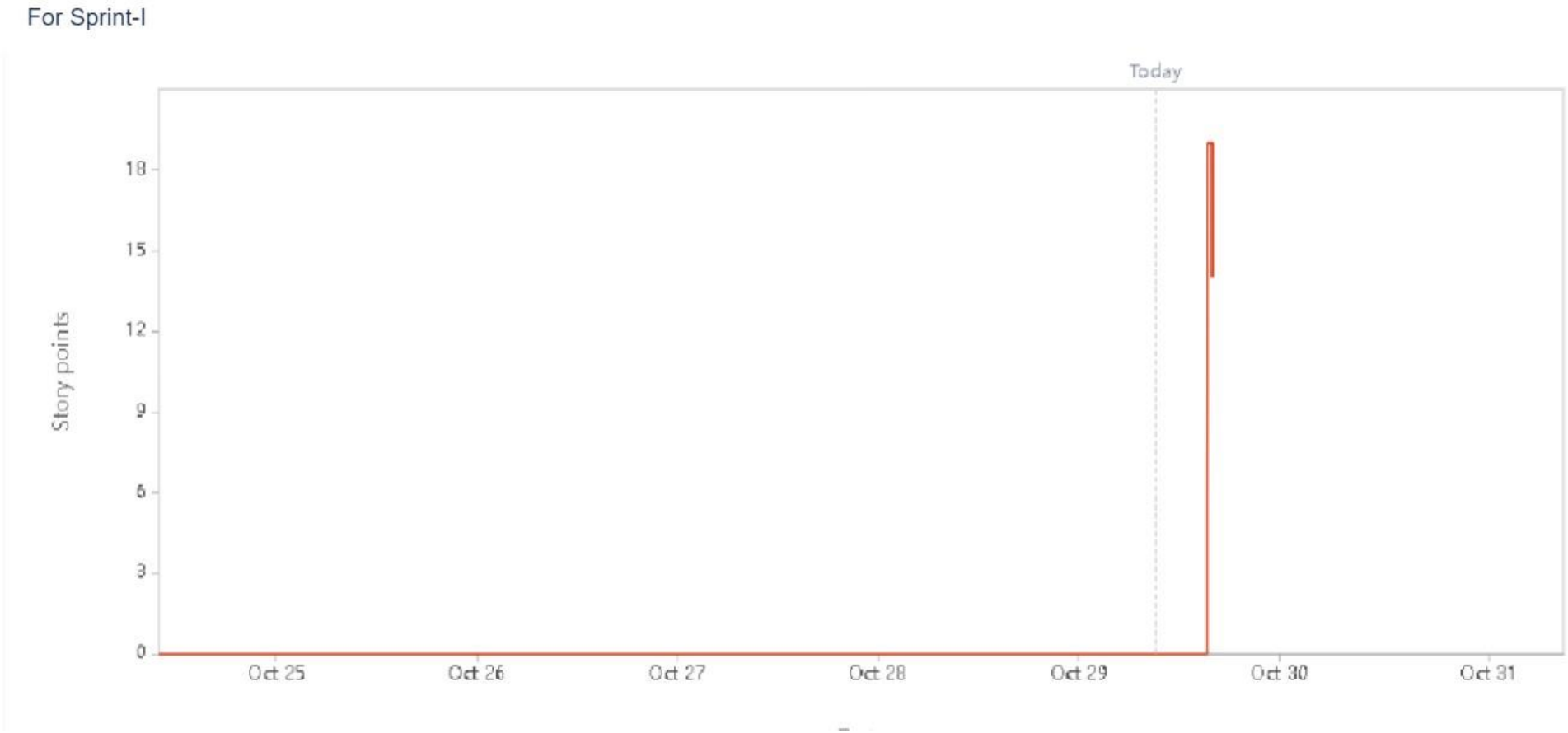
Velocity:

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.



Tool used: JIRA software