

## Project Planning Phase

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

Date	1 November 2022
Team ID	PNT2022TMID04763
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	I can sign up for the application as a user by providing my email address, a password, and a password confirmation.	5	High	Suba Jai Varthini
Sprint-1		USN-2	When I register for the application as a user, I will get a confirmation email.	5	High	Sri Harini
Sprint-2		USN-3	I can sign up for the application as a user through Facebook.	10	Low	Srivarshan
Sprint-1		USN-4	I can sign up for the application as a user through Gmail.	5	Medium	Suriya
Sprint-1	Login	USN-5	I can access the application as a user by providing my email address and password.	5	High	Suba Jai Varthini
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	Sri Harini, Srivarshan
Sprint-3	Interfacing with mobile application	USN-7	As a user, I can send alarm sound to alert the bystanders	10	Low	Suriya, Suba Jai Varthini
Sprint-3		USN-8	As a user, I can see the temperature, location of my child	10	High	Sri Harini, Srivarshan
Sprint-4	Data base collection	USN-9	As a user, I want the data to be stored	5	Medium	Suriya , Suba Jai Varthini
Sprint 4	Mobile application	USN-10	As a user, I can sense the child safety device using sensor and monitor using	15	Medium	Sri Harini, Srivarshan

**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:**

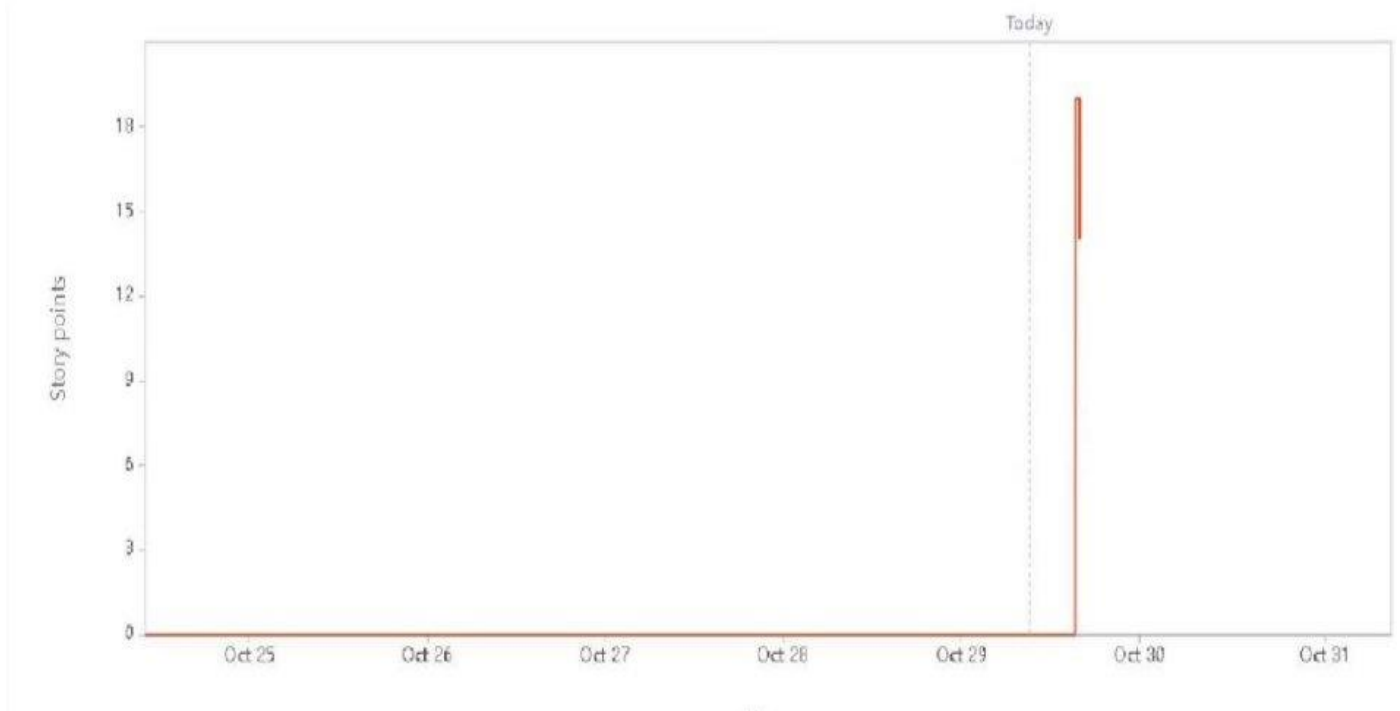
Imagine we have a 10-day sprint duration, and the velocity of the team is 20 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

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

### 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



Tool used: JIRA software