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

Date	1 November 2022
Team ID	PNT2022TMID02992
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	Veeramanikandan S
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Veeramanikandan S
Sprint-2		USN-3	As a user, I can register for the application through Facebook	10	Low	Rithick Srinivas R
Sprint-1		USN-4	As a user, I can register for the application through Gmail	5	Medium	Rex Remigius, Sathi Prakash
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	5	High	Veeramanikandan S
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	Veeramanikandan S
Sprint-3	Interfacing with mobile application	USN-7	As a user, I can send alarm sound to alert the bystanders	10	Low	Rithick Srinivas R
Sprint-3		USN-8	As a user, I can see the temperature, location of my child	10	High	Veeramanikandan S
Sprint-4	Data base collection	USN-9	As a user, I want the data to be stored	5	Medium	Rex Remigius, Sathi Prakash

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	Rex Remigius, Sathi Prakash

Project Tracker, Velocity & Burndown Chart: (4 Marks)

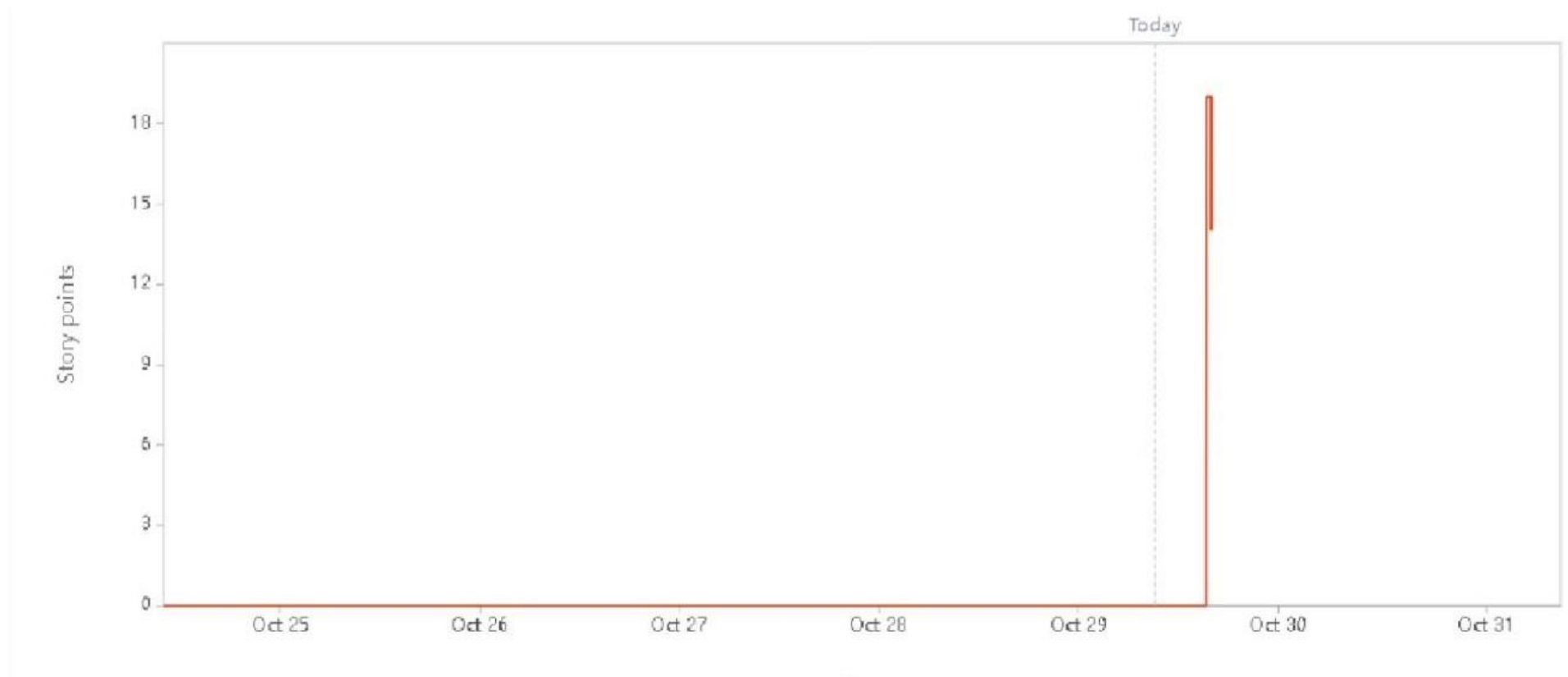| Sprint	Total Story Points	Duration	Sprint Start Date	Sprint End Date (Planned)	Story Points Completed (as on Planned End Date)	Sprint Release Date (Actual)
Sprint-1	20	6 Days	18 Oct 2022	23 Oct 2022	20	23 Oct 2022
Sprint-2	20	6 Days	25 Oct 2022	30 Oct 2022	20	30 Oct 2022
Sprint-3	20	6 Days	01 Nov 2022	06 Nov 2022	20	06 Nov 2022
Sprint-4	20	6 Days	08 Nov 2022	13 Nov 2022	20	13 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

Tool used: JIRA software