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

Date	18 October 2022
Team ID	PNT2022TMID30282
Project Name	IOT Based Safety Gadget For Child Safety Monitoring & 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.	2	High	Monish R
Sprint-1	Login	USN-2	As a user, I can log into the application by entering email & password	2	High	Monish R
Sprint-2	Geofencing	USN-3	The geofencing of the child should be done based on the geographical coordinates	4	Medium	Vigneshkumar S
Sprint-3	Node RED– Cloudant DB Communication	USN-4	The data stored in IBM Cloud should be properly integrated with Cloudant DB	6	Medium	Naveen Kumar A
Sprint-4	User – WebUI Interface	USN-5	The Web User Interface should get inputs from the user consists of the features by which a user interacts	6	High	Somasurya S

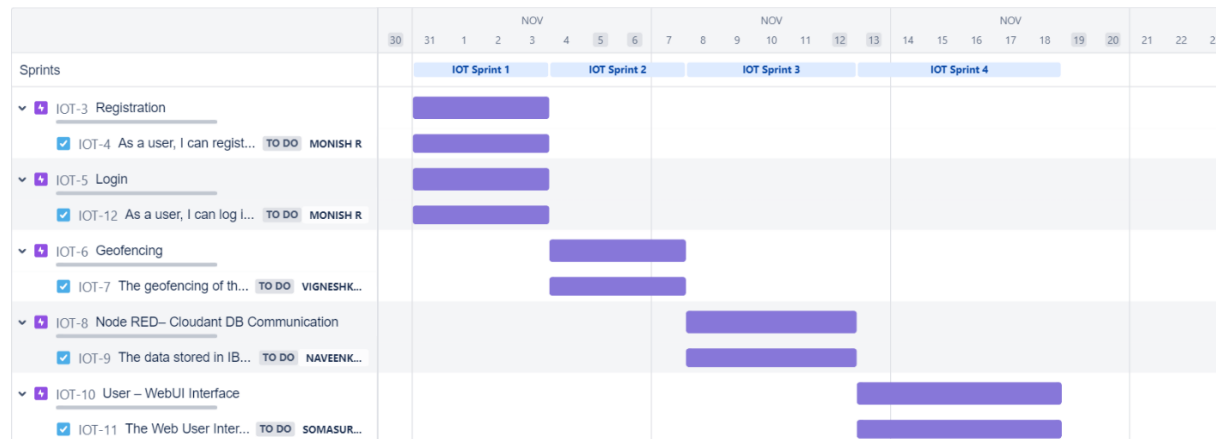## Project Tracker, Velocity & Burndown Chart: (4 Marks)

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	4 Days	31 Oct 2022	03 Nov 2022		29 Oct 2022
Sprint-2	20	4 Days	04 Nov 2022	07 Nov 2022		05 Nov 2022
Sprint-3	20	4 Days	08 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4	20	6 Days	13 Nov 2022	18 Nov 2022		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)

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

Road Map:
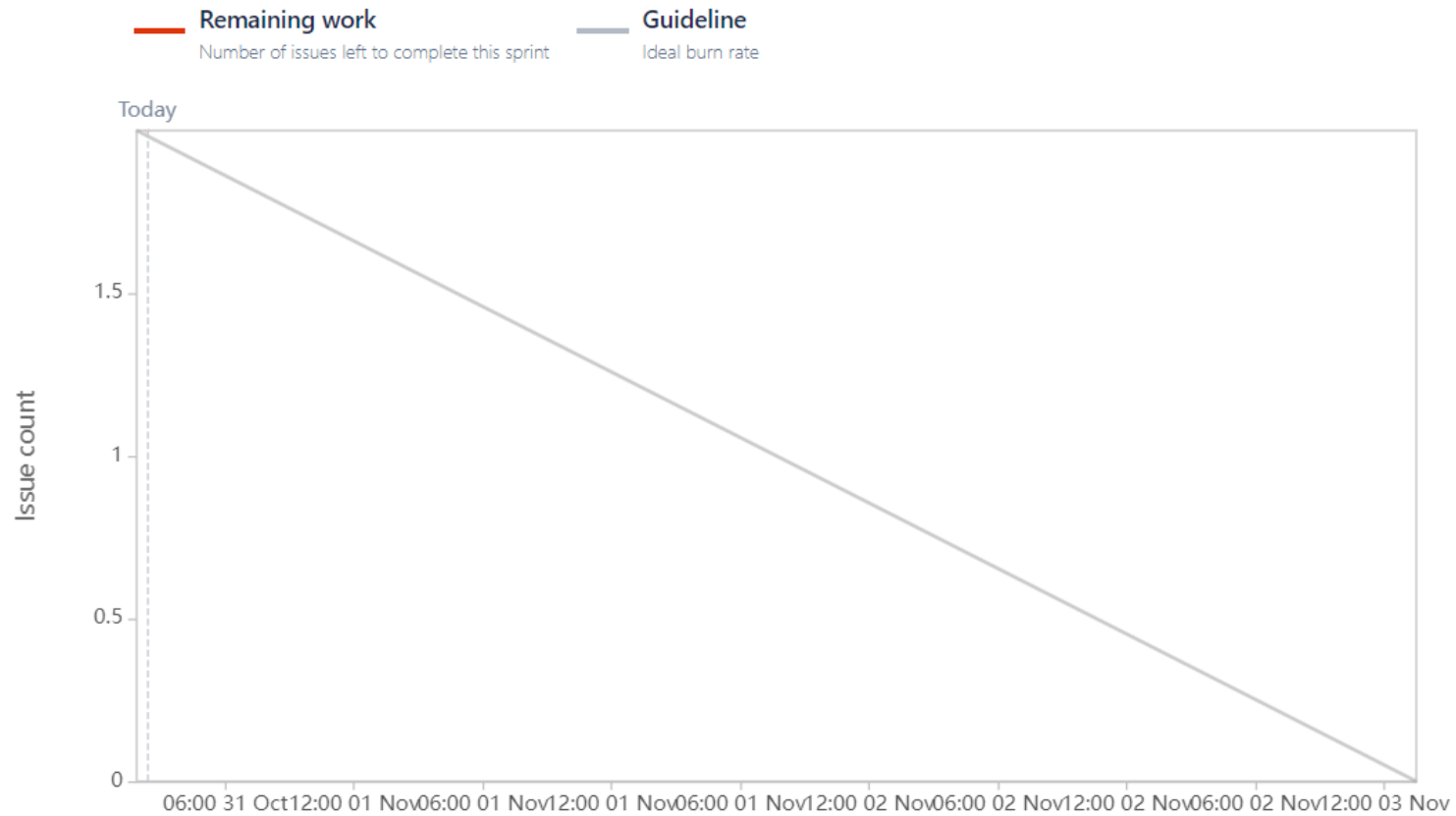
Burndown Chart:

Sprint 1: Monish R

Date - 31 October 2022 - 3 November 2022

Sprint 2: Vigneshkumar S

Date - 4 November 2022 - 7 November 2022

Sprint 3: Naveen Kumar A

Date - 8 November 2022 - 12 November 2022

	Remaining work		Guideline
	Number of issues left to complete this sprint		Ideal burn rate

Sprint 4: Somasurya S

Date - 13 November 2022 - 18 November 2022