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

Date	20-Oct-2022
Team ID	PNT2022TMID49661
Project Name	IOT based safety gadget for child safety monitoring and notification
Maximum Mark	8 Mark

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 Parent/Guardian,I can register for the application by entering my email, password, and confirming my password.	2	High	Mohammed Yusuf, Venkateshwaran, sahayaThabitha, ShanmugaPriya, ThangamuthuRani, Kaviya, Devaprasanna
Sprint-1		USN-2	As a Parent/ Guardian, I can register for the application through Gmail	1	Medium	Mohammed Yusuf, Venkateshwaran, sahayaThabitha, ShanmugaPriya, ThangamuthuRani, Kaviya, Devaprasanna

Sprint-1	User Confirmation	USN-3	As a parent I will receive connection , location in sms / mail once I have entered this application	1	High	Mohammed Yusuf, Venkateshwaran, sahayaThabitha, ShanmugaPriya, ThangamuthuRani, Kaviya, Devaprasanna
Sprint-1	Login	USN-4	As a parent/ guardian , I can log into the application by entering mail and password.	2	High	Mohammed Yusuf, Venkateshwaran, sahayaThabitha, ShanmugaPriya, ThangamuthuRani, Kaviya, Devaprasanna

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	27-Oct-2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022	20	03-Nov-2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	08-Nov-2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	15-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)

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