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

Date	19 November 2022
Team ID	PNT2022TMID44690
Project Name	IoT based safety gadget for child safety monitoring and notifications.
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-1	Login	USN-1	As a customer, I might ensure login credential through gmail ease manner for the purpose of sending alert message to the parents or guardians (or) informing through normal message.	2	High
Sprint-1	Registration	USN-2	As a user, I have to registered my details and tools details in a simple and easy manner by considering the safety of child, this the registered system sends notification to the parents.	2	High
Sprint-2	Dashboard	USN-3	As a user, In case of any emergency situation parents(I) must get the alert notification and location of the child.	3	Medium

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority
Sprint-3	Dashboard	USN-4	As a user, I(parent) need to safeguard child and tracking the child's location and it is important to notify near the police station incase of more emergency .	2	High
Sprint-3	Dashboard	USN-5	As a user, Its good to have a IOT based system to safeguard monitoring without the presence of parent.	2	High
Sprint -4	Monitoring the environment	USN 1	User can monitor the situation of the environment from a dashboard that displays sensor information about the environment and child health.	2	High
Sprint- 4	Event Notification	USN 6	Sending an alert SMS to the parents and guardians in case of a panic situation.	2	High

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-2	3	6 Days	31 Oct 2022	05 Nov 2022	3	04 Nov 2022
Sprint-3	4	6 Days	07 Nov 2022	12 Nov 2022	4	11 Nov 2022
Sprint-4	4	6 Days	14 Nov 2022	19 Nov 2022	4	20 Nov 2022

Velocity:

(AV) per iteration unit (story points per day)

$$AV = 6.6$$

Imagine we have a 10-day sprint duration, and the velocity of the team is 15 (points per sprint). Let's calculate the team's average velocity