Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Team ID	PNT2022TMID32775
Project Name	IoT Based Safety Gadget for Child Safety Monitoring & Notification

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	User Registration	USN-1	Registration through app	10	High	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S
Sprint-1	User Confirmation	USN-2	Confirmation through SMS	5	High	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S
Sprint-1	Authentication	USN-3	Authentication through app	5	High	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S
Sprint-2	User login	USN-4	Log into the application by entering username & password.	10	Low	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S
Sprint-2	App permission	USN-5	Grant the permission for the app to access location, contact	10	Medium	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Setting Geo-Fencing	USN-6	Creating the Geo-Fencing area in the map.	10	Medium	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S
Sprint-3	Sensors using Node-RED	USN-7	Sensing the temperature and humidity	10	High	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. S
Sprint-4	Tracking Location	USN-8	Tracking the location	20	High	NIVEDHA. R PUJA SRI. K RAGAVI. S SIVETHA. 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	6 Days	24 Oct 2022	29 Oct 2022	20	29 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	05 Nov 2022		
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	20	6 Days	14 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) periteration unit (story points per day)

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