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

Team ID	PNT2022TMID44407
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	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-1	User Confirmation	USN-2	Confirmation through SMS	5	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-1	Authentication	USN-3	Authentication through app	5	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-2	User login	USN-4	Log into the application by entering username& password.	5	Low	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2	App permission	USN-5	Grant the permission for the app to access location, contact	10	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-2	Communication	USN-6	The child and the parent able to communicate.	5	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-3	Interface with the Device	USN-7	Connecting the device with the registered appwith IP address	10	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-3	Setting Geo-Fencing	USN-8	Creating the Geo-Fencing area in the map	10	High	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-4	Database	USN-9	Location history is stored in the cloud.Can be accessed from the dashboard.	10	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P
Sprint-4	Tracking Location	USN-10	Tracking the location through app.	5	Low	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P

Sprint-4	Real-Time Capturing	USN-11	Captures the image/video through camera	5	Medium	BHUVANESHWARI.M MAHESHWARI.M PAVITHRA .R INDHUMATHI.P

Project Tracker, Velocity & Burn down 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	05 Nov 2022	10 Nov 2022		
Sprint-3	20	6 Days	06 Nov 2022	11 Nov 2022		
Sprint-4	20	6 Days	06 Nov 2022	11 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)

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