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

Date	20 October 2022
Team ID	PNT2022TMID11121
Project Name	Project- 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	User Registration	USN-1	Registration through websiteRegistration through app	2	High	VIGNESHWER S
Sprint-1	User Confirmation	USN-2	Confirmation via EmailConfirmation via OTP	1	High	SUJEEVE A
Sprint-2	User login	USN-3	Setting up User Id and password	2	Low	SUBASH RAM S
Sprint-2	App permission	USN-4	Grant the permission for the app to access location,contact etc..	2	Medium	VASIKARAN J
Sprint-3	Interface with the Device	USN-5	Connecting the device with the registered app with thedevice ID.	1	High	VIGNESHWER SUJEEVE

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3	Setting Geo-location	USN-6	Creating the Geo-location area in the map	2	Low	VASIKARAN J
Sprint-4	Database	USN-7	Location history is stored in the cloud Can be accessed from the dashboard.	2	High	SUBASH RAM S
Sprint-4	Tracking location	USN-8	Tracking the location through app. Tracking the location through website.	2	High	SUJEEVE A

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

Velocity:

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

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)

BURN DOWN CHART :