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

Team ID	PNT2022TMID33319
Project Name	Project - 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 website Registration through app	2	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-1	User Confirmation	USN-2	Confirmation via Email Confirmation via OTP	1	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-2	User login	USN-3	Setting up User Id and password	2	Low	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L

Sprint-1	App permission	USN-4	Grant the permission for the app to access location, contact etc..	2	Medium	Julian Thomas Peniel JGospel Mathew Saravanan E Sanjay Anand L

Sprint-1	Interface with the Device	USN-5	Connecting the device with the registered appwith the device ID.	1	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint	**Functional Requirement (Epic)**	**User Story Number**	**User Story / Task**	**Story Points**	**Priority**	**Team Members**
Sprint-2	Setting Geo-location	USN-6	Creating the Geo-location area in the map	2	Low	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-3	Database	USN-7	Location history is stored in the cloud. Can be accessed from the dashboard.	2	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L
Sprint-4	Tracking location	USN-8	Tracking the location through app. Tracking the location through website.	2	High	Julian Thomas Peniel J Gospel Mathew Saravanan E Sanjay Anand L

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	20	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 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)

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

Burndown Chart:

A burn down chart is a graphical representation of work left to do versus time. It is often used in agile software developme HYPERLINK "https://www.visual-paradigm.com/scrum/what-is-agile-software-development/"nt methodologies such as Scrum. HYPERLINK "https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/"_ HYPERLINK "https://www.visual-paradigm.com/scrum/scrum-in-3-minutes/"However, burn down charts can be applied to any project containing measurable progress over time.

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