Project Planning Phase

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

Date	20 October 2022
Team ID	PNT2022TMID25493
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	Shakthi Nagaraj
Sprint-1	User Confirmation	USN-2	Confirmation via EmailConfirmation via OTP	1	High	Udhayakumar
Sprint-2	User login	USN-3	Setting up User Id and password	2	Low	Varun
Sprint-2	App permission	USN-4	Grant the permission for the app to access location,contact etc..	2	Medium	Shanmugam
Sprint-3	Interface with the Device	USN-5	Connecting the device with the registered app with thedevice ID.	1	High	Shakthi Nagaraj Shanmugam

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	Udhayakumar
Sprint-4	Database	USN-7	Location history is stored in the cloud Can be accessed from the dashboard.	2	High	Varun
Sprint-4	Tracking location	USN-8	Tracking the location through app. Tracking the location through website.	2	High	Shakthi Nagaraj

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:

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

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)