Project Planning Phase

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

Date	31 October 2022
Team ID	PNT2022TMID04092
Project Name	IoT based safety gadget for child safety and notification system
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	3	High	Swetha D
Sprint-1		USN-2	As a user, I will receive verification email once I have registered for the application.	3	High	Shakthi K S
Sprint-1		USN-4	As a user, I can register for the application	3	Medium	SnehaShri S
Sprint-2	Login	USN-3	As a user, I can log into the application by entering email & password	5	High	Shanmugapriya S Shwetha B

Sprint-4	Dashboard	USN-6	As a user, I can receive alert notifications if the movement is beyond the geofence.	13	High	Swetha D Shwetha B
Sprint-3		USN-7	As a user I can add the geofence	10	Medium	Shakthi K S Shanmugapriya S
Sprint-3		USN-8	As a user I can update the geofence whenever necessary.	13	Medium	Snehashri 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	12	6 Days	24 Oct 2022	29 Oct 2022	12	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022	10	05 Nov 2022
Sprint-3	13	6 Days	07 Nov 2022	12 Nov 2022	13	12 Nov 2022
Sprint-4	13	6 Days	14 Nov 2022	19 Nov 2022	13	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) 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 development methodologies such as Scrum. However, burn down charts can be applied to any project containing measurable progress over time.

For Sprint-I