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

Date	20 October 2022
Team ID	PNT2022TMID26475
Project Name	IOT Based Safety Gadget for Child Monitoring and Notifications.
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.	2	High	Bhargavi
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Bhuvaneshwari
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Bhargavi
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Hemapriya
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Adhilakshmi
Sprint-3	Dashboard	USN-6	I can access dashboard of mine.	5	Low	Bhuvaneshwari
Sprint-3		USN-7	As a user I can access Geofence..	3	Medium	Adhilakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-8	As a user I can access geofence whenever it is in necessary.	3	High	Hemapriya
Sprint-4	Application	USN-9	To design applications That meet's users Desires.	2	Low	Bhuvaneshwari
Sprint-4		USN-10	To make this as more efficient.	5	Medium	Hemapriya
Sprint-4		USN-11	As a user I can register and login easily.	3	High	Bhargavi

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	5	7 Days	24 Oct 2022	31 Oct 2022	5	31 Oct 2022
Sprint-2	3	7 Days	31 Oct 2022	07 Nov 2022	3	07 Nov 2022
Sprint-3	11	7 Days	07 Nov 2022	14 Nov 2022	11	14 Nov 2022
Sprint-4	10	7 Days	12 Nov 2022	19 Nov 2022	10	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.