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

Date	23 October 2022
Team ID	PNT2022TMID14424
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and 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	Registration (Parent Mobile User)	USN-1	Registering for an application, As a user we can register by entering our email, password and again we need to confirm the password	3	High	Sivasudhan A
Sprint-1	Login	USN-2	If we have register for the application as a user a confirmation mail will be received to our mail	3	High	Sharumathi S
Sprint-2	User Interface	USN-3	Using Facebook we can register for this application	3	Low	Sruthi R
Sprint-1	Data Visualization	USN-4	We can also register for the application through Gmail	3	Medium	Yamini K
Sprint-3	Login	USN-5	As a user, I can log into the application by entering email & password	3	Low	Sharumathi S
Sprint-1	Dashboard	USN-5	We need to be able to view the function that can perform	4	High	Sivasudhan A
Sprint-2	Notification	USN-1	Using minimum time we should be able to notify their parent and guardian	4	High	Yamini K
Sprint-1	Store data	USN-2	We need to continuously store location data into the database	3	Medium	Yamini K
Sprint-4	Web UI	USN-3	We all will need a friendly interface to view and access the resource easily	3	Medium	Sruthi R
Sprint-3	Registration (Parent Web User)	USN-1	By entering email and password we can log into the application as a user	3	High	Sivasudhan A

| Sprint-2 | Login | USN-2 | Using minimum time we need to login to registered account via web page | 3 | High | Sharumathi S |
| Sprint-4 | Web UI | USN-3 | To easily view and access the resources we need a user friendly interface | 3 | Medium | Sruthi R |

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	05 Nov 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	12 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	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.