Project Planning Phase
Project Planning Template (Product Backlog, Sprint Planning, Stories, Storypoints)

Date	18October 2022
Team ID	PNT2022TMID41335
Project Name	Project – 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	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	Barkavi
Sprint-1	Registration completed	USN-2	As a user, I will receive confirmation email once I have registered for the application	4	High	Dharani
Sprint-2	Login	USN-3	As a user, I can log into the application by entering email & password	2	High	sanmathi
Sprint-1	Registration	USN-4	As a user, I can register for the application through Gmail	2	Medium	saranya
Sprint-2	Dashboard	USN-3	As a user, I can view the application's man page after login	3	High	sanmathi
Sprint-2	Details updation	USN-1	As a user,I can update details to monitor the child continuously	2	High	barkavi
Sprint-2	Communication	USN-2,3	A user can have facilities to communicate with parents	3	High	Dharani,sanmathi
Sprint-3	Data collection	USN-1,4	The data collected from child can be stored in cloud	10	Medium	Barkavi,saranya
Sprint-3	Authentication	USN-2	The data can be accessed only by entering password in cloud data	10	High	dharani
Sprint-4	Notification	USN-3	A notification is sent to parents while child in problems	10	High	Sanmathi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Recovery	USN-4	The child can be prevented without facing any other problems	10	High	Saranya

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	7 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.

https://www.visual-paradigm.com/scrum/scrum-burndown-chart/

https://www.atlassian.com/agile/tutorials/burndown-charts

Reference:

https://www.atlassian.com/agile/project-management

https://www.atlassian.com/agile/tutorials/how-to-do-scrum-with-jira-software

https://www.atlassian.com/agile/tutorials/epics

https://www.atlassian.com/agile/tutorials/sprints

https://www.atlassian.com/agile/project-management/estimation

https://www.atlassian.com/agile/tutorials/burndown-charts