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

Date	15 nov 2022
Team ID	PNT2022TMID06109
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	login	USN-1	As a user, I might ensure login credential through gmail easy manner for the purpose of sending alert message to the parents informing through normal message.	2	High	subhashini
Sprint-1	Registration	USN-2	As a user,I have to registered my details in a simple and easy manner by considering the safety of child ,this registered system sends notification to parents.	2	High	subalakshmi
Sprint-2	Dashboard	USN-3	As a user, In case of any emergency situation parents must get the alert notification and location of the child.	3	medium	Sree Lakshmi priyanka
Sprint-3	Dashboard	USN-4	As a user, I need to safety child and tracking the child location and it's notify near police station incase of emergency	2	Medium	Subhashini Subalakshmi
Sprint-3	Dashboard	USN-5	As a user,it's good have a IOT based system to safety monitoring without presence of parent.	2	High	Priyanka Sreelaksmi
Sprint-4	Monitoring the environment	USN-1	User can monitor the situation of the environment from a dashboard that displays sensor information about the environment and child health .	3	medium	Subhashini subalakshmi

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Event notification	USN-6	Sending an alert SMS to the parents in case of panic situation	3	High	Subhashini Subalakshmi

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	5Days	1 nov2022	4nov 2022	11	4nov2022
Sprint-2	20	5Days	4 nov2022	7 Nov 2022	15	7nov2022
Sprint-3	20	5Days	8 Nov 2022	15Nov 2022	16	15nov2022
Sprint-4	20	5 Days	15 Nov 2022	19 Nov 2022	12	19nov2022

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