Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID04717
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	8 Marks

Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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 and setting new password.	10	High	Ravi Kumar Sanjith Kumar
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	5	High	Ravi Kumar
Sprint-1	Login	USN-3	As a user, I can log into the application by entering registered email id and password.	5	Low	Naveena Priya
Sprint-2	Storing credentials	USN-4	As an admin, I can store the login credentials of users.	20	Medium	Sanjanaa
Sprint-3	Location Tracking	USN-5	As a user, I can able to watch my child's geo location	20	Medium	Sanjith Kumar
Sprint-4	Notification	USN-6	As a user, I can get notified whenever child goes out of the geofence	10	High	Sanjanaa Naveena Priya
Sprint-4	Data processing	USN-7	Location of each children need to be verified in the cloud whether they are within the geofence	10	High	Ravi Kumar Sanjith Kumar

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)

$$AV = \frac{sprint\ duration}{velocity} = \frac{20}{10} = 2$$