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

Date	05 November 2022
Team ID	PNT2022TMID52822
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	User Registration	USN-1	Registration through website	2	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-1	User Confirmation	USN-2	Registration confirmation sent through mail or sms.	1	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-1	Login	USN-3	Login with username and password	2	Low	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-1	App permission	USN-4	Grant the permission for the application to access location, contacts etc	5	Medium	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-1	Interface	USN-5	Interface the device with mobile application and cloud database.	10	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint 2	Setting Ge-fence location	USN-6	Creating a geo-fence location in the map	5	Medium	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-2	Database	USN-7	Location history of the child is updated into the cloud.	15	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-3	Tracking location	USN-8	Tracking the location of the child through a mobile application.	20	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-4	Real time capturing	USN-9	Captures the image/video through device camera.	10	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M
Sprint-4	Communication	USN-10	The data captured has to be communicated with parents and updated to the database.	10	High	Bavithra Ganesh S Guhan T Jayapreethi U Jeevaraj M

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		
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022		

Velocity:

Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = \frac{Sprint\ Duration}{Velocity} = \frac{20}{6} = 3$$