Project Planning Phase

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

Date	27 October 2022
Team ID	PNT2022TMID41116
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)

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	INDHUJA NISHAPRIYA
Sprint-1	Confirmation Email	USN-2	As a user, I will receive confirmation email and SMS once I have registered for the application	3	High	RAJKUMAR
Sprint-2	Authentication	USN-3	As a user, I can register for the application through Email ID and Mobile App.	2	Low	SANGAMESHWARAR
Sprint-1	Login	USN-4	As a user, I can log into the application by entering email & password.	2	Medium	INDHUJA
Sprint-1	Dashboard	USN-5	As a user, I can monitor, measure,	8	High	NISHAPRIYA

			analyze relevant data in key areas.			
Sprint-2	Notification	USN-1	As a user, I should be able to receive notification when the child is in emergency situations.	9	High	RAJKUMAR
Sprint-2	Store data	USN-2	As a user, I need to store the location data and child information into the database.	10	High	SANGAMESHWARAR
Sprint-2	Communication	USN-3,1	The child and the parent should be able to communicate.	7	Medium	NISHAPRIYA INDHUJA
Sprint-3	IOT Device	USN-1,4	We automatically monitor the child in real time using Internet of Things, with the help of GPS, GSM, and Raspberry Pi.	6	Medium	SANGAMESHWARAR RAJKUMAR NISHAPRIYA
Sprint-3	Node RED	USN-5,2	The data stored in IBM Cloud should be integrated properly.	8	High	SANGAMESHWARAR INDHUJA NISHAPRIYA
Sprint-4	User Interface	USN-1,4	The point of human-computer interaction and communication in a device.	7	Medium	INDHUJA RAJKUMAR
Sprint-4	Geofencing	USN-2,3,5	The geofencing of the child should be done based on the geographical coordinates.	8	High	INDHUJA NISHAPRIYA RAJKUMAR

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	30 Oct 2022
Sprint-2	20	6 Days	31 Oct 2022	06 Nov 2022	20	06 Nov 2022
Sprint-3	20	6 Days	09 Nov 2022	16 Nov 2022	20	16 Nov 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022

VELOCITY:

AV= Sprint Duration\velocity =20/10= 2