

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID46834
Project Name	Project - IOT Based Safety Gadgets for Child Safety Monitoring & Notification System
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.	2	High	Rasi A Prakashika, Sivasakthi
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	High	Shalini, Priyadharshini
Sprint-2		USN-3	As a user, I can register for the application through Facebook	2	Low	Rasi A Prakashika, Priyadharshini
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Shalini, Sivasakthi
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Priyadharshini, Rasi A Prakashika

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
		USN – 6	As a customer, I can login with my mobile number and send the verification code through SMS	1	Medium	Shalini, Sivasakthi
Sprint - 2	Dashboard ➤ Profile	USN – 7	As a user, I should able to update my profile for security purpose.	2	High	Rasi A Prakashika
Sprint - 2	➤ Last seen (History)	USN – 8	As a customer, I need to view the last seen of the child location with time indication	2	High	Sivasakthi
Sprint - 2	➤ Battery level	USN - 9	As a user, I should know the battery level of the device which is inserted into child's outfit	2	High	Priyadharshini
Sprint - 2	➤ Current location	USN – 10	As a user, I should know the current location of child for the safety measure	1	Medium	Rasi A Prakashika
Sprint - 2	➤ Health condition	USN - 11	As a customers, I must know my child overall health condition which very important	2	High	Sivasakthi
Sprint - 3	Process ➤ Enable the geo fence in settings	USN - 12	As a customer, I must enable the geo-fence in my mobile so that I can view the location of the child	2	High	Shalini, Rasi A Prakashika
Sprint - 3	➤ Linked with child helpline, relatives and even friend's or nearby police station	USN - 13	As a user, the device must be connected to child helpline, police station for emergency situation	2	High	Sivasakthi, Priyadharshini

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint - 3	➤ Collect the information in IBM cloud	USN – 14	As a user, the data should be collected to any platform for backend purpose because this we can easily track the location, and also know the pervious location.	2	High	Rasi A Prakashika
Sprint - 3	➤ Display the current location information	USN -15	As a customer, we can know the information of place where the child's is located	1	Medium	Sivasakthi
Sprint - 4	Administration	USN -16	As a user, admin should take responsibility to maintain the database which collect the information	2	High	Priyadharshini, Shalini
Sprint - 4	➤ Testing	USN - 17	As a admin, I need to check the device regularly and knowing about battery level, software, hardware, sensors, etc.	2	High	Rasi A Prakashika
Sprint - 4	➤ Share the app link through any social media platform	USN - 18	As a user, I need to share the app to my friends, relatives through the link which is built in it, because of sharing this app people may get aware about this safety gadgets system	1	Medium	Priyadharshini, Sivasakthi
Sprint - 4	➤ Allow the third party, if in case of any emergency purpose.	USN -19	As a user , I unable reach the place immediately so that if my friends or relative can access the app for safeguard the child	2	High	Rasi A Prakashika, Shalini
Sprint - 4	➤ Exit	USN - 20	As a user, I need to properly sign out the app with proper password, this may avoid hacking the information of the child and location	2	Medium	Sivasakthi

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 6 – 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)

$$AV = \text{Sprint Duration} / \text{Velocity}$$

$$= 6 / 20$$

$$= 3.33$$

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.

