

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID34911
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-2	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Jenisha
Sprint-2		USN-2	As a user, I can register for the application through Gmail	1	Medium	Jibisha
Sprint-3	login	USN-3	As a user, I can login to the app by entering the username and password.	2	High	Jenny Daphne
Sprint-4	Cloud service	USN-4	As a user, I can edit the geofence limit	2	Low	Saahitha Jinu
Sprint-2		USN-5	As a user, I can set the geofence limit.	2	High	Jibisha
Sprint-1		USN-6	IBM Watson IOT platform should be created by the admin for the cloud service process.	2	High	Jenny Daphne
Sprint -1		USN-7	To develop application using node red service.	2	High	Jenisha
Sprint -1		USN-8	To create a database in cloudant DB	2	High	Jibisha
Sprint -4		USN-9	As a user, I can access the activity of the child in the history at any time.	2	Low	Saahitha jinu

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-2		USN-10	Python code should be developed to implement the project.	3	High	Jenisha
Sprint-4	Notification	USN-11	As a user I receive notifications through alarm or message when the child crosses the safety limit.	2	High	Saahitha Jinu
Sprint-1		USN-12	Linking of the device with the cloud .	4	High	Jenny Daphne
Sprint-3	tracking	USN-13	As a user I can track and monitor the exact location of the child using google map services	4	Low	Saahitha Jinu
Sprint-3		USN-14	As a user, I can also add other persons to track the location of the child	4	Low	Jibisha
Sprint-2		USN-15	As a user, I can turn on the location services to start tracking	2	Medium	Jenisha
Sprint -4		USN-16	As a user, I can access and monitor each and every movement of the child by installing the application which was written using python script.	4	High	Jenny Daphne

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	10	6 Days	24 Oct 2022	29 Oct 2022		
Sprint-2	10	6 Days	31 Oct 2022	05 Nov 2022		

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-3	10	6 Days	07 Nov 2022	12 Nov 2022		
Sprint-4	10	6 Days	14 Nov 2022	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)

$$AV = \text{sprint duration} / \text{velocity}$$

$$AV = 10/6 = 1.66$$