

Project Planning Phase

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

Date	22 October 2022
Team ID	PNT2022TMID19684
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	Registration	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	2	High	Dharani Dharan,Benildus
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application	1	Medium	Balaji
Sprint-1	Login	USN-3	As a user, I can log into the application by entering email & password	1	High	Gowtham
Sprint-2	Dashboard	USN-4	As a user I can log into the dashboard and use the functions in it	2	High	Gowtham,Benildus
Sprint-3	Interface	USN-5	As a user I can connect the device to the mobile application	1	High	Dharani Dharan,Gowtham
Sprint-3	Track the location	USN-6	As the user I can track the location of the device	1	High	Benildus,Balaji
Sprint-4		USN-7	As the user I can see the live location of the device in the dashboard	2	High	Balaji
Sprint-2	Creating a Geo-fence	USN-8	As a user I can create a geo-fence around a location that is required	2	High	Balaji,Dharani Dharan
Sprint-4	Notification	USN-9	As a user I can receive notification for certain events	2	High	Benildus

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-4	Database	USN-10	As a user I can view the travelled location history	2	Medium	Dharani Dharan
Sprint-4		USN-11	As a user I can select the data that needs to be displayed	2	Low	Gowtham

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)

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