

Project Planning Phase

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

Date	18 October 2022
Team ID	PNT2022TMID18137
Project Name	IOT Based Safety Gadget for Child Safety Monitoring & 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	User can register for the application by entering my email, password, and confirming my password.	2	High	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S
Sprint-2		USN-2	User will receive confirmation email once registered for the application	1	Medium	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S
Sprint-1		USN-3	User can register for the application through Facebook	2	Medium	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
						Soundarya S
Sprint-2	Login	USN-4	User can log into the application by entering email & password		High	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S
Sprint-4		USN-5	User can logout of the application by entering email & password	2	High	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S
Sprint-3	Dashboard	USN-6	User can and monitor the child's movement by clicking the monitor button on the homepage.	1	High	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S
Sprint-3		USN-7	User can receive alert notifications in the webpage, if the movement of the child is beyond the geofence		High	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S
Sprint-3		USN-8	User can check the location of the child using the app.		High	Sangeetha S Varsha S Viji Priya K Tamil Eniyal S Soundarya S

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		6 Days	24 Oct 2022	29 Oct 2022		29 Oct 2022
Sprint-2		6 Days	31 Oct 2022	05 Nov 2022		05 Nov 2022
Sprint-3		6 Days	07 Nov 2022	12 Nov 2022		12 Nov 2022
Sprint-4		6 Days	14 Nov 2022	19 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)

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

