

Project Planning Phase

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

Date	03 November 2022
Team ID	PNT2022TMID01082
Project Name	IOT based child safety monitoring 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	Notification system	USN-1	Notify when the children is away.	10	High	Mukkesh, Prem kumar, Manojkumar, Raghul
Sprint-1	privacy	USN-2	As a user, I need a privacy so the data is encrypted.	7	Medium	Mukkesh Prem kumar
Sprint-2	Local ranging	USN-3	GPS is common and available technology it is attached to the system.	10	High	Raghul
Sprint-2	Location	USN-4	Track and find the location of the child.	7	Medium	Mukkesh Manoj kumar

Sprint-3	Early alarm	USN-5	The alarm sensitivity should be adjusted by the parents.to prefer alarm setting	10	High	Prem kumar
Sprint-4	Testing and Implementation	USN-6	After this gadget is tested and implemented	7	Medium	Prem kumar Mukesh Manoj kumar Raghul

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	8	29 Oct 2022
Sprint-2	10	6 Days	31 Oct 2022	04 Nov 2022	5	04 Nov 2022
Sprint-3	10	6 Days	07 Nov 2022	11 Nov 2022	7	11 Nov 2022
Sprint-4	10	6 Days	14 Nov 2022	18 Nov 2022	5	18 Nov 2022

Velocity:

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

$$AV = 6/10 = 0.6$$

Burndown Chart:

