

## Project Planning Phase

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

Team ID	PNT2022TMID04590
Project Name	IOT Based Safety Gadget for Child Monitoring and Notifications.
Maximum Marks	8 Marks

#### Product Backlog, Sprint Schedule, and Estimation (4 Marks)

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 service by entering my email and password.	2	High	Govarthanan
Sprint-1		USN-2	As a user, I will receive confirmation email once I have registered for the application.	1	High	Aravind
Sprint-1		USN-4	As a user, I can register for the application through Gmail	2	Medium	Bharath viyas
Sprint-1	Login	USN-5	As a user, I can log into the application by entering email & password	1	High	Hareesh kumar
Sprint-3	Dashboard	USN-6	I can access dashboard of mine.	5	Low	Govarthanan
Sprint-3		USN-7	As a user I can access Geofence feature..	3	Medium	Aravind

Sprint	Functional Requirement (Epic)	User Story Number	User Story / Task	Story Points	Priority	Team Members
Sprint-3		USN-8	As a user I can access geofence, to certain distance.	3	High	Hareesh kumar
Sprint-4	Application	USN-9	To design application that satisfy the user needs and demands.	2	Medium	Govarthanan
Sprint-4		USN-10	To make this as most efficient and effective.	5	Medium	Govarthanan
Sprint-4		USN-11	As a user I can register and login easily.	3	High	Bharath viyas

#### 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	5	7 Days	24 Oct 2022	31 Oct 2022	5	31 Oct 2022
Sprint-2	3	7 Days	31 Oct 2022	07 Nov 2022	3	07 Nov 2022
Sprint-3	11	7 Days	07 Nov 2022	14 Nov 2022	11	14 Nov 2022
Sprint-4	10	7 Days	12 Nov 2022	19 Nov 2022	10	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)

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

### 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.

