

## Project Planning Phase

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

Date	23 October 2022
Team ID	PNT2022TMID01197
Project Name	IOT BASED SAFETY GADGET FOR CHILD SAFETY MONITORING AND NOTIFICATION
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	User Registration	USN-1	Registration through registration through app	2	High	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh
Sprint-1	User confirmation	USN-2	Confirmation Via OTP	1	High	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh
Sprint-2	User login	USN-3	Setting up user id and password	2	Low	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh
Sprint-1	App permission	USN-4	Grand the permission for the app to access location, contact etc.,	2	Medium	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh
Sprint-1	Interface with the Device	USN-5	Connecting the device with the registered app with the device id	1	High	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh
Sprint-2	Setting location	USN-6	Creating the location area in the map	2	low	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh
Sprint-3	Database	USN-7	Location history is stored in the cloud	2	high	Poornima ,Mathi udhaya pandian

						,Promoth kumar,Rakesh
Sprint-4	Monitoring the location	USN-8	Monitoring the location through the app.	2	high	Poornima ,Mathi udhaya pandian ,Promoth kumar,Rakesh

#### 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	31 Oct 2022
Sprint-3	20	6 Days	07 Nov 2022	12 Nov 2022	20	07 Oct 2022
Sprint-4	20	6 Days	14 Nov 2022	19 Nov 2022	20	14 Oct 2022

#### Velocity:

Imagine we have 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)

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

#### Burndownchart:



