

## ProjectPlanningPhase

### ProjectPlanningTemplate(ProductBacklog,SprintPlanning,Stories,Storypoints)

<b>Date</b>	11 November and 2022
<b>TeamID</b>	PNT2022TMID30354
<b>ProjectName</b>	IoTbasedsafetygadgetforchild safetymonitoring andnotifications.
<b>MaximumMarks</b>	8 Marks

#### ProductBacklog,SprintSchedule,andEstimation(4Marks)

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>UserStory/Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>TeamMembers</b>
Sprint-1	Login	USN-1	Asa customer, I might ensure login credential through mail ease manner for the purpose of sending alert message to the parents or guardians (or) informing through normal message.	2	High	Vasuki.M Venkatesh.R.K
Sprint-1	Registration	USN-2	As a user, I have to register my details and tool details in a simple and easy manner by considering the safety of child, this registered system sends notification to the parents.	2	High	Silambarasi.K Nagarajan.P
Sprint-2	Dashboard	USN-3	As a user, In case of any emergency situation parents (I) must get the alert notification and location of the child.	3	Medium	Venkatesh.R.K Silambarasi.K

Sprint	Functional Requirement (Epic)	User Story Number	User Story/Task	Story Points	Priority	Team Members
Sprint-3	Dashboard	USN-4	As a user, I (parent) need to safeguard child and tracking the child's location and it is important to notify near police station in case of more emergency.	2	High	Vasuki.M Nagarajan.P
Sprint-3	Dashboard	USN-5	As a user, It's good to have a IOT based system to safeguard monitoring without presence of parent.	2	High	Venkatesh.R.K Vasuki.M
Sprint -4	Monitoring the environment	USN1	User can monitor the situation of the environment from a dashboard that displays sensor information about the environment and child health.	2	High	Silambarasi.K Nagarajan.P
Sprint-4	Event Notification	USN6	Sending an alert SMS to the parents and guardians in case of a panic situation.	2	High	Vasuki.M

#### 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	4	6 Days	24 Oct 2022	29 Oct 2022	4	29 Oct 2022

Sprint	Total StoryPoints	Duration	Sprint StartDate	Sprint End Date(Planned)	Story PointsCompleted (as onPlanned EndDate)	Sprint Release Date(Actual)
Sprint-2	3	6 Days	31 Oct2022	05Nov2022	3	05Nov2022
Sprint-3	4	6 Days	07Nov2022	12Nov2022	4	12Nov2022
Sprint-4	4	6 Days	14Nov2022	19Nov2022	4	19Nov2022

#### Velocity:

Imagine we have a 10-days sprint duration, and the velocity of the team is 15 (points per sprint). Let's calculate the team's average velocity (AV) per iteration unit (story points per day)

$$AV = 6.6$$