

## Project Planning Phase

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

<b>Date</b>	04 November 2022
<b>Team ID</b>	PNT2022TMID06213
<b>Project Name</b>	Project - IOT-Based Safety Gadget for Child Safety Monitoring and Notification
<b>Maximum Marks</b>	8 Marks

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

<b>Sprint</b>	<b>Functional Requirement (Epic)</b>	<b>User Story Number</b>	<b>User Story / Task</b>	<b>Story Points</b>	<b>Priority</b>	<b>Team Members</b>
<b>Sprint-1</b>	<b>Registration</b>	USN-1	As a user, I can register for the application by entering my email, password, and confirming my password.	4	High	DINESH ASLAM
<b>Sprint-1</b>	<b>Confirmation Email</b>	USN-2	As a user, I will receive confirmation email and SMS once I have registered for the application	3	High	NIYAS
<b>Sprint-2</b>	<b>Authentication</b>	USN-3	As a user, I can register for the application through Email ID and Mobile App.	2	Low	THILLAI
<b>Sprint-1</b>	<b>Login</b>	USN-4	As a user, I can log into the application by entering email & password.	2	Medium	ASLAM
<b>Sprint-1</b>	<b>Dashboard</b>	USN-5	As a user, I can monitor, measure, analyze relevant data in key areas.	8	High	DINESH

<b>Sprint-2</b>	<b>Notification</b>	USN-1	As a user, I should be able to receive notification when the child is in emergency situations.	9	High	ASLAM
<b>Sprint-2</b>	<b>Store data</b>	USN-2	As a user, I need to store the location data and child information into the database.	10	High	NIYAS
<b>Sprint-2</b>	<b>Communication</b>	USN-3,1	The child and the parent should be able to communicate.	7	Medium	THILLAI ASLAM
<b>Sprint-3</b>	<b>IOT Device</b>	USN-1,4	We automatically monitor the child in real time using Internet of Things, with the help of GPS, GSM, and Raspberry Pi.	6	Medium	NIYAS ASLAM THILLAI
<b>Sprint-3</b>	<b>Node RED</b>	USN-5,2	The data stored in IBM Cloud should be integrated properly.	8	High	DINESH NIYAS
<b>Sprint-4</b>	<b>User Interface</b>	USN-1,4	The point of human-computer interaction and communication in a device.	7	Medium	ASLAM NIYAS
<b>Sprint-4</b>	<b>Geofencing</b>	USN-2,3,5	The geofencing of the child should be done based on the geographical coordinates.	8	High	ASLAM THILLAI

**Project Tracker, Velocity & Burn down Chart: (4 Marks)**

<b>Sprint</b>	<b>Total Story Points</b>	<b>Duration</b>	<b>Sprint Start Date</b>	<b>Sprint End Date (Planned)</b>	<b>Story Points Completed (as on Planned End Date)</b>	<b>Sprint Release Date (Actual)</b>
<b>Sprint-1</b>	20	6 Days	24 Oct 2022	29 Oct 2022	20	30 Oct 2022
<b>Sprint-2</b>	20	6 Days	31 Oct 2022	06 Nov 2022	20	06 Nov 2022
<b>Sprint-3</b>	20	6 Days	09 Nov 2022	16 Nov 2022	20	16 Nov 2022
<b>Sprint-4</b>	20	6 Days	14 Nov 2022	19 Nov 2022	20	19 Nov 2022