Team ID	PNT2022TMID47892
Date	18 November 2022
Project Title	IoT Based Safety Gadget for Child Safety Monitoring and Notification

Sprint 2 is about **NOTIFIACATION** of the IoT device in Parent's Web Application for getting information about Child's Status.

Team ID: PNT2022TMID47892

Delivery plan sprint-1

Sprint 1 is about **LOGIN** and **DETAILING** of the IoT device in Parent's Web Application for getting information about Child's Status.

Live Location Tracking:

GPS is installed on gadget to track its current location can be tracked on android app and via SMS request sent from parent phone to safety gadget. Outputs of live location tracking

Health Alert Systems:

Panic alert system on gadget is triggered during panic situation, automatic call and SMS are triggered to parental phone. The alert is also updated to the cloud for purpose of app monitoring. Fig. 4. Outputs of panic alert system.

Connected Feature:

Connected feature is used to trigger call and pre- defined SMS anytime from gadget to parental phone by just pressing a button and also parent can make SMS and call to the gadget anytime.

Health Monitoring System:

Health monitoring system is implemented using heart beat sensor, temperature sensor which is updated to the cloud and also can be monitored via app. The current value of sensors can be obtained using SMS request sent to gadget from parent phone. Outputs of health monitoring system.

Gadget Plugged or Unplugged Monitoring:

Gadget plug or unplugged is monitored using contact switch installed on smart gadget, as soon as the device is unplugged, an alert is provided to parent phone via SMS and it is also updated to cloud for app monitoring.

LOGIN:

This Coding is to built login page of parent's application to get information about child's condition.

Coding:

```
<!DOCTYPE html>

<html> <head>

<meta name="viewport" content="width=device-width, initial-scale=1">

<title> Login Page </title>

<style>

Body {  font-family:  Calibri,  Helvetica,

 sans-serif;

  background-color: #9FE2BF;

}   button  {   background-color:

#9FE2BF;  width:  100%;  color:

black; padding:

    15px; margin: 10px

    0px;border:   none;

    cursor: pointer;

     } form { border: 3px solid

#f1f1f1;
```

```
                              input[type=text],
input[type=password] {
     width: 100%; margin:
     8px 0; padding: 12px
     20px; display: inline-
     block; border: 2px
     white;       box-sizing:
     border-box;
  } button:hover
{
     opacity: 0.7;
  }
 .cancelbtn {
     width: auto; padding:
     10px 18px;margin:
     10px 5px;
  }
.container   {    padding:    25px;
    background-color: #CCCCFF;
  }
</style> </head>
<body>
  <center> <h1> Login Form </h1> </center>
  <form>
     <div class="container">
```

```html
        <label>Device ID/Number: </label>

            <input type="password" placeholder="Enter Password" name="password" required>

            <label>E-Mail : </label>

            <input type="text" placeholder="Enter Username" name="username" required>

            <label>Password : </label>

            <input type="password" placeholder="Enter Password" name="password" required>

            <button type="submit">Login</button>

            <button class="loginBtn loginBtn--facebook">Login with Facebook.</button>

            <button class="loginBtn loginBtn--google">Login with Google.</button>

            <input type="checkbox" checked="checked"> Remember me

            <button type="button" class="cancelbtn"> Cancel</button> Forgot

            <a href="#"> password? </a>

        </div>

    </form>

</body>

</html>
```

Output: