

Team ID	PNT2022TMID11128
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Project Title	IoT Based SafetyGadget for Child Safety Monitoringand Notification

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

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Delivery plan sprint-1

Sprint 1 is about **LOGIN** and **DETAILING** of the IoT device in Parent's Web Application for gettinginformation 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">
<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:

Result

Login Form

Device ID/Number:

Enter Password

E-Mail :

Enter Username

Password :

Enter Password

Login

Login with Facebook.

Login with Google.

☒ Remember me

Cancel

Forgot [password?](#)