

Project Development Phase

Delivery of Sprint – III

Date	10 November 2022
Team ID	PNT2022TMID23803
Project Name	IoT Based Safety Gadget for Child Safety Monitoring and Notification

A6 GSM/GPRS MODULE

The module works to add both GSM features (voice call or SMS) and GPRS features. The advantages of these modules are the VCC and TTL serial level that have 5V voltage level. Module to accomplish almost anything a normal cell phone can; SMS text messages make or receive phone calls, connecting to internet through GPRS, TCP/IP, and more. To top it off, the module supports quad-band GSM/GPRS network.

GPRS MODULE



Coding,Output,Screenshot:

```
<!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>

```

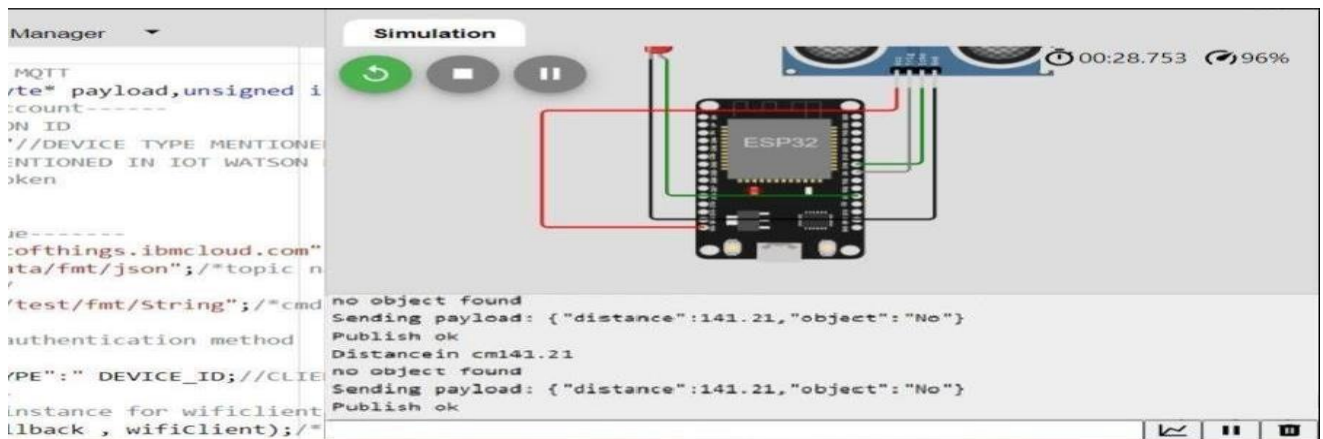
```

</html>

```

OUTPUT:

When child is not detected within the safe zone with the help of IoT device



Childs status are notified to parents device using cloud service

The screenshot shows a cloud management dashboard with a sidebar on the left and a main content area. The main area contains a table of devices and a detailed view for a specific device.

Device ID	Status	Device Type	Class ID	Date Added
123	Disconnected	Node_RED	Device	Oct 29, 2022 9:56 PM
bme2	Disconnected	ESP32_Controller	Device	Oct 28, 2022 8:46 PM

Identity	Device Information	Recent Events	State	Logs
No data is being pushed to the cloud. All data is being pushed to the local device.				
Event	Value	Format	Event Message	
Status	["DeviceID","Name","Type"]	json	["DeviceID","Name","Type"]	
Status	["DeviceID","Name","Type"]	json	["DeviceID","Name","Type"]	
Status	["DeviceID","Name","Type"]	json	["DeviceID","Name","Type"]	
Status	["DeviceID","Name","Type"]	json	["DeviceID","Name","Type"]	
Status	["DeviceID","Name","Type"]	json	["DeviceID","Name","Type"]	