

PROJECT DEVELOPMENT PHASE

SPRINT-1

Team ID	PNT2022TMID33201
Project name	IOT Based Safety Gadget for Child SafetyMonitoring& Notification

Simulation with output:

The screenshot shows the Wokwi simulation environment. On the left, the code for `esp32-blink.ino` is displayed, including headers for `WiFi`, `PubSubClient`, and `LiquidCrystal_I2C`. It defines IBM credentials and MQTT topics. The main logic publishes distance data to a topic. On the right, a simulation of an ESP32 board with a display and sensors is shown. The output console displays the following messages:

```
Sending distance: 56.97
Publish OK
No motion detected

Sending payload: {"High Alert!!":"56.97left"}
Publish OK
```

Simulation connected to IBM Watson :

The screenshot shows the IBM Watson IoT Platform dashboard. The device `12345678` is shown as connected. The 'Recent Events' tab is active, displaying a table of events:

Event	Value	Format	Last Received
event_1	{}	json	a few seconds ago
data	{"Warning!!":"0.00left"}	json	a few seconds ago
event_1	{}	json	a few seconds ago
data	{"High Alert!!":"44.98left"}	json	a few seconds ago
data	{"Warning!!":"0.00left"}	json	a few seconds ago

At the bottom, a status bar indicates '1 Simulation running'.