

SPRINT-4

Date	3 November 2022
Team ID	PNT2022TMID52857
Project Name	IoT-Based Safety Gadget for Child Safety Monitoring and Notification
Maximum Marks	

CHILD INSIDE GEOFENCE:

CHILD TRACKER APPLICATION

LATITUDE:
11.66432

LONGITUDE:
78.14601

Check Location

Person is inside the area

CHILD OUTSIDE GEOFENCE:

CHILD TRACKER APPLICATION

LATITUDE:

17.42192

LONGITUDE:

78.54887

Check Location

Person is outside the area

APP INVENTOR

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IBM Screen5 Add Screen Remove Screen Publish to Gallery Designer Blocks

Palette
 Search Components...
User Interface
 Button
 CheckBox
 DatePicker
 Image
 Label
 ListPicker
 ListView
 Notifier
 PasswordTextBox
 Slider
 Spinner
 Switch
 TextBox
 TimePicker
 WebView

Viewer
☐ Display hidden components in Viewer
 Phone size (505,320)

Components
 Screens5
 Label1
 TextBox1
 Label2
 TextBox2
 Button1
 Notifier1
 Clock1
 Web1

Properties
 TextBox1
 BackgroundColor
 Default
 Enabled
 ✓
 FontBold
 □
 FontItalic
 □
 FontSize
 14.0
 FontTypeface
 (default) ▾
 Height
 Automatic
 Width
 Automatic
 Hint
 Latitude
 MultiLine
 □
 NumbersOnly

NODE RED WITH MIT APP:

The screenshot shows the Node-RED web interface. On the left, the 'common' and 'function' node palettes are visible. The main workspace contains a flow named 'Flow 1' with three nodes connected in sequence: a '[get] /sensor' node, a 'function' node, and an 'http' node. On the right, the 'debug' console is open, showing a list of messages. Each message is a JSON object with the following structure:

```
{ name: "Smartbridge", lat: 17.42192, lon: 78.54887 }
```

The messages are timestamped and include additional metadata such as 'node', 'id', 'type', 'device', 'evn', 'status', and 'rntn'. The 'msg.payload' field is consistently an empty object.