

PROJECT FINAL

Date	18 November 2022
Team ID	PNT2022TMID34017
Project Name	Project - IoT Based Safety Gadget for Child Safety Monitoring and Notification



IoT Based Safety Gadget for Child Safety Monitoring & Notification

TEAM ID:

PNT2022TMID34017

SOFTWARE REQUIREMENTS DEVELOPED

MIT APP FOR TRACKING LOCATION



Searching

turn off the location

address

0

0

track location



updated

turn off the location

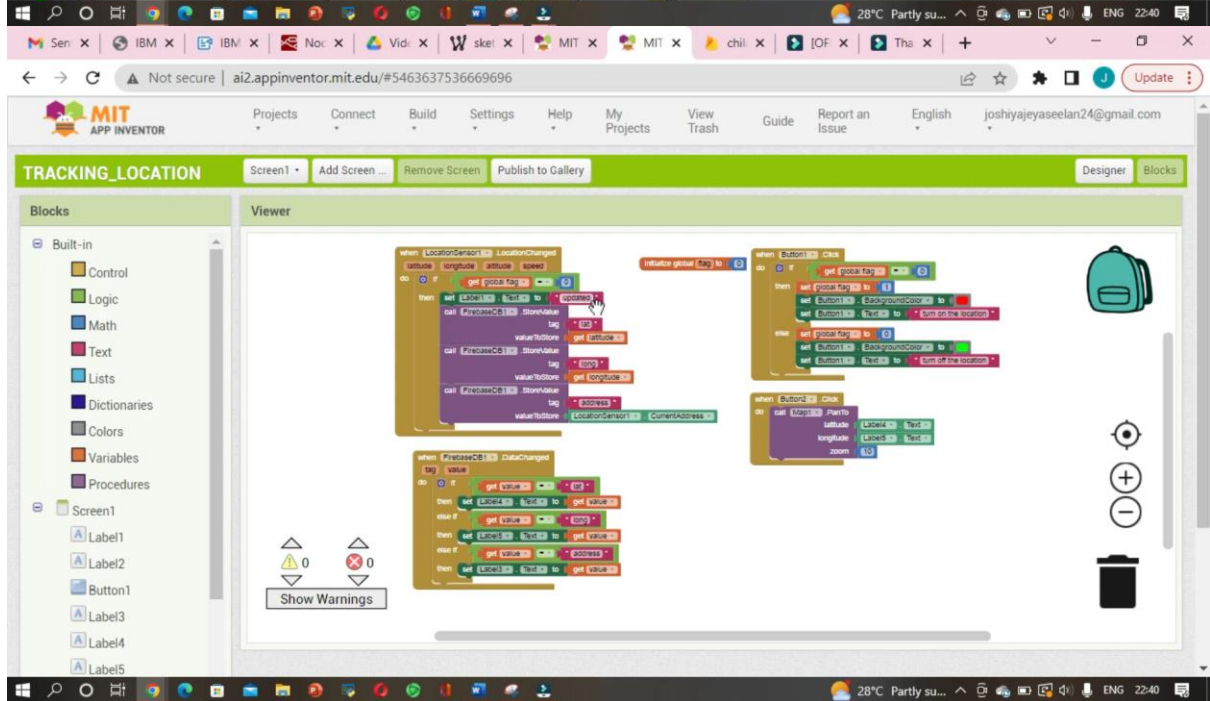
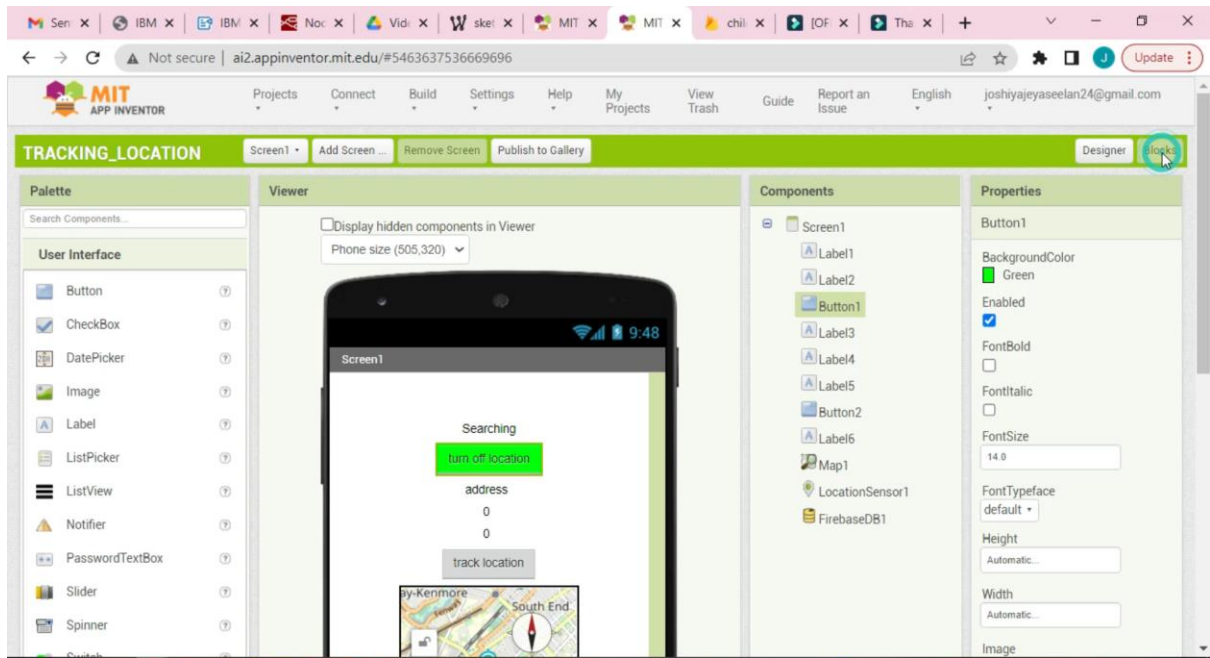
address

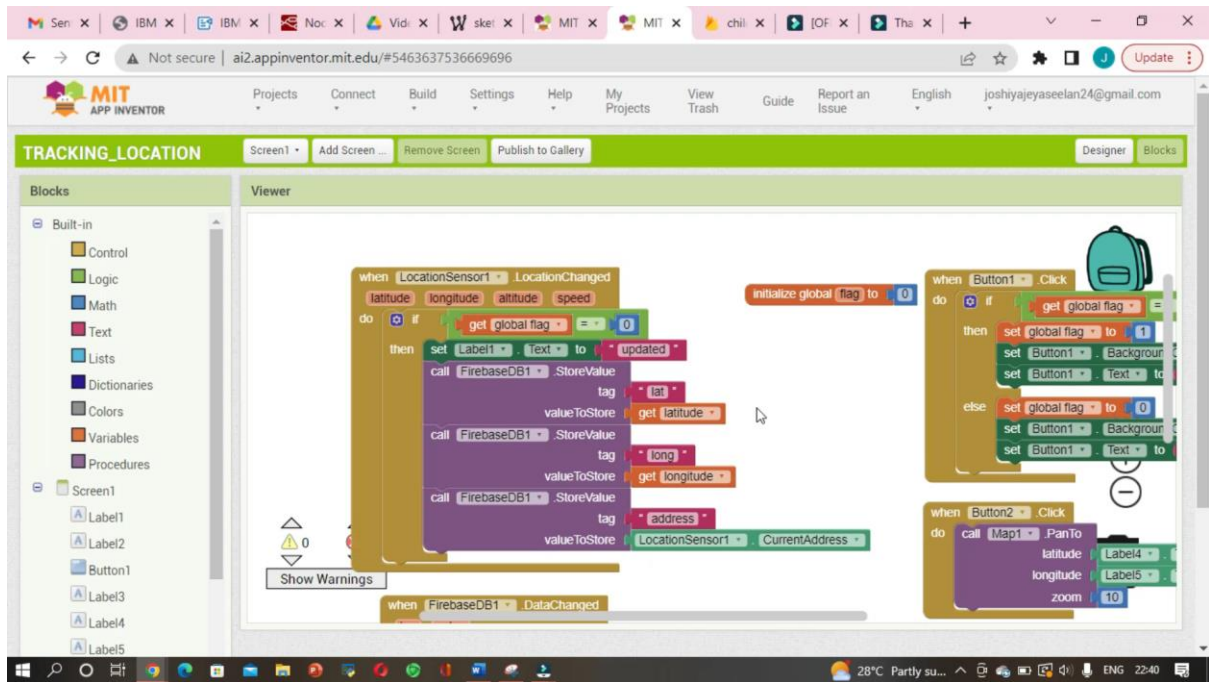
0

0

track location







```

import json
import ibmiot
import ibmiot
import time
myconfig = {
    "identity": {
        "orgId": "a7011a",
        "typeId": "CHILID",
        "deviceId": "CHILID1234"
    },
    "auth": {
        "token": "_Mp*MPiQ7WSSoH6Qps"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
while True:
    name= "Smartbridge"
    #in area location
    #latitude=17.4225176
    #longitude=78.5458842
    #out area location
    latitude=17.4219272
    longitude=78.5488783
    myData={'name': name, 'lat': latitude, 'lon': longitude}
    client.publishEvent(eventId="status",msgFormat="json",data=myData, qos=0, onPublish=None)
    print("Data published to IBM IOT platform :",myData)
    time.sleep(5)
client.disconnect()

```


Node-RED Successfully deployed

Flow 1

Flow 2

debug

17.891221, lon: 78.912093827 }

11/18/2022, 9:59:04 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object
{ name: "Smartbridge", lat: 17.921268, lon: 78.513834023 }

11/18/2022, 9:59:07 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object
{ name: "Smartbridge", lat: 17.885681, lon: 78.350727997 }

11/18/2022, 9:59:10 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object
{ name: "Smartbridge", lat: 17.902137, lon: 78.73821056 }

11/18/2022, 9:59:13 PM node: f2f2649a.0d0d98

Node-RED

Deploy

debug

11/18/2022, 9:59:22 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object
{ name: "Smartbridge", lat: 17.894143, lon: 78.937137012 }

11/18/2022, 9:59:25 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object
{ name: "Smartbridge", lat: 17.800998, lon: 78.392543698 }

11/18/2022, 9:59:28 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object
{ name: "Smartbridge", lat: 17.792056, lon: 78.350284028 }

11/18/2022, 9:59:31 PM node: f2f2649a.0d0d98
lot-2/type/CHILD/id/CHILD1234/evt/event_1/fmt/json :
msg.payload : Object

Edit function node

Properties

Name

Setup On Start On Message On Stop

```
1 msg.payload=msg.location.inarea
2 return msg;
3
```

Enabled



HARDWARE USED

