IoT Based Safety Gadget for Child Safety Monitoring and

Notification

ALGORITHM:

- 1) Import Json. Json is used for storing temporary data.
- Importing the supporting IBM Watson IoT Platform using the package wiotp.sdk.device.
- 3) Importing Time to get the current time by passing.
- 4) Using myConfig module this configuration manage single file for multiple projects.
- 5) Employ the identity of the projects orgld, deviceld, typeld is specified uniquely by its code.
- 6) Authentication is done by using the tokenId that we already have while linking with the IBM Cloud.
- 7) By using the IBM watson platform an connection request is given to the client side.
- 8) After the connection is being accepted by the client connection is made.
- 9) While satisfying the conditions the output is taken.
- 10) Adding the time delay as 5.
- 11) Finally the output is printed.
- 12) Client is now disconnected.

Code:

```
import json
import wiotp.sdk.device
import time

myConfig = {
    "identity":{
        "orgld": "hj5fmy",
        "typeld": "NodeMCU",
        "deviceld": "12345"
    },
    "auth": {
        "token": "12345678"
    }
```

```
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 lot platform: ",myData)
 time.sleep(5)
```

client.disconnect()

Output:

```
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               'lon': 78.548763}
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import wiotp.sdk.device
import time
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    "typeId": "MyDeviceType",
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