FINAL CODE:

```
import wiotp.sdk.device
import time
import random
import ibmiotf.application
import ibmiotf.device
import requests, json
myConfig = {
  #Configuration
  "identity": {
    "orgId": "7znh86",
    "typeId": "NODE",
    "deviceId":"1234"
  },
  #API Key
  "auth": {
    "token": "123456789"
  }
}
#Receiving callbacks from IBM IOT platform
def myCommandCallback(cmd):
print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
m=cmd.data['command']
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
#OpenWeatherMap Credentials
BASE_URL = "https://api.openweathermap.org/data/2.5/weather?"
CITY = "Coimbatore, IN"
URL = BASE_URL + "q=" + CITY + "&units=metric"+"&appid=" +
"f58e4720c739a54c439aba9b05176839"
while True:
response = requests.get(URL)
if response.status_code == 200:
data = response.json()
main = data['main']
    temperature = main['temp']
   humidity = main['humidity']
   pressure = main['pressure']
   report = data['visibility']
```

```
#messge part
msg=random.randint(0,5)
if msg==1:
  message="GO SLOW, SCHOOL ZONE AHEAD"
elif msg==2:
  message="NEED HELP, POLICE STATION AHEAD"
elif msg==3:
  message="EMERGENCY, HOSPITAL NEARBY"
elif msg==4:
  message="DINE IN, RESTAURENT AVAILABLE"
elif msg==5:
  message="PETROL BUNK NEARBY"
  message=""
#Speed Limit part
speed=random.randint(0,150)
if speed>=100:
  speedMsg=" Limit Exceeded"
elif speed>=60 and speed<100:
  speedMsg="Moderate"
else:
  speedMsg="Slow"
#Diversion part
sign=random.randint(0,5)
if sign==1:
  signMsg="Right Diversion"
elif sign==2:
  signMsg="Speed Breaker"
elif sign==3:
  signMsg="Left Diversion"
elif sign==4:
  signmsg="U Turn"
else:
  signMsg=""
#Visibility
if temperature < 24:
  visibility="Fog Ahead, Drive Slow"
elif temperature < 20:
  visibility="Bad Weather"
else:
  visibility="Clear Weather"
```

else: