

## Develop a python script

Team ID	PNT2022TMID47156
Project Name	Smart waste management system for metropolitan cities

## SPRIT 3 SCREEN SHOTS FOR SIMULATOR

The image displays four screenshots of a Python script running in a terminal window. The script appears to be a simulation for a smart waste management system, outputting data for various locations. The data includes a timestamp, location name, published distance, load cell ID, longitude (lon), and latitude (lat). The script also includes risk warnings and alerts.

**Screenshot 1 (Top Left):** Shows data for Kodigumam, Karur. The output includes: "published distance = 40", "loadcell:6", "lon = 78.135731", "lat = 10.939091", "Risk warning:40 %", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 40", "loadcell:6", "lon = 78.135731", "lat = 10.939091", "Risk warning:40 %", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 15", "loadcell:14", "lon = 78.135731", "lat = 10.939091", "Risk warning:12 %", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 15", "loadcell:14", "lon = 78.135731", "lat = 10.939091", "Risk warning:12 %", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 35", "loadcell:12", "lon = 78.135731", "lat = 10.939091", "Risk warning:dumpster is above 60%", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 35", "loadcell:12", "lon = 78.135731", "lat = 10.939091", "Risk warning:dumpster is above 60%", "alert: No need to collect right now".

**Screenshot 2 (Top Right):** Shows data for Kodigumam, Karur. The output includes: "2022-11-14 10:42:36.187", "IbmIoTDeviceClient", "INFO", "Connected successfully: d:\4y38vc\BM1\BM110", "Kodigumam, Karur", "published distance = 24", "loadcell:10", "lon = 78.137731", "lat = 10.970991", "Risk warning:dumpster is above 60%", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 24", "loadcell:10", "lon = 78.137731", "lat = 10.970991", "Risk warning:dumpster is above 60%", "alert: No need to collect right now".

**Screenshot 3 (Bottom Left):** Shows data for Kodigumam, Karur. The output includes: "2022-11-14 10:42:51.287", "IbmIoTDeviceClient", "INFO", "Connected successfully: d:\4y38vc\BM2\BM210", "Kodigumam, Karur", "published distance = 22", "loadcell:15", "lon = 78.135731", "lat = 10.939091", "Risk warning:dumpster is above 60%", "alert: No need to collect right now", "Kodigumam, Karur", "published distance = 22", "loadcell:15", "lon = 78.135731", "lat = 10.939091", "Risk warning:dumpster is above 60%", "alert: No need to collect right now".

**Screenshot 4 (Bottom Right):** Shows data for Pulliyar, Karur. The output includes: "published distance = 35", "loadcell:11", "lon = 78.135731", "lat = 10.939091", "Risk warning:40 %", "alert: No need to collect right now", "Pulliyar, Karur", "published distance = 35", "loadcell:11", "lon = 78.135731", "lat = 10.939091", "Risk warning:40 %", "alert: No need to collect right now", "Pulliyar, Karur", "published distance = 21", "loadcell:11", "lon = 78.135731", "lat = 10.939091", "Risk warning:dumpster is above 60%", "alert: No need to collect right now", "Pulliyar, Karur", "published distance = 31", "loadcell:11", "lon = 78.135731", "lat = 10.939091", "Risk warning:dumpster is above 60%", "alert: No need to collect right now", "Pulliyar, Karur", "published distance = 41", "loadcell:13", "lon = 78.135731", "lat = 10.939091", "Risk warning:40 %", "alert: No need to collect right now", "Pulliyar, Karur", "published distance = 41", "loadcell:13", "lon = 78.135731", "lat = 10.939091", "Risk warning:40 %", "alert: No need to collect right now".



IBM Watson IoT Platform

https://4yi0vc.internetofthings.ibmcloud.com/dashboard/devices/browse

Assignment4 Disconnected nodeMcu Device 2022 07:20 12 920219104302@smartinter ID: 4yi0vc

Node-RED Dashboard

http://127.0.0.1:1880/ui/#/17/socketid=-Jcr0USDbnGJRDUhAAAB

control

Distance 1 LOAD CELL 1 Distance 2 LOAD CELL 2

Distance 3 LOAD CELL 3 Distance 4 LOAD CELL 4

Items per page 50 | 1-6 of 6 items 1 of 1 page




Items per page 50 | 1-6 of 6 items 1 of 1 page


27°C Cloudy 18:45

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20 %

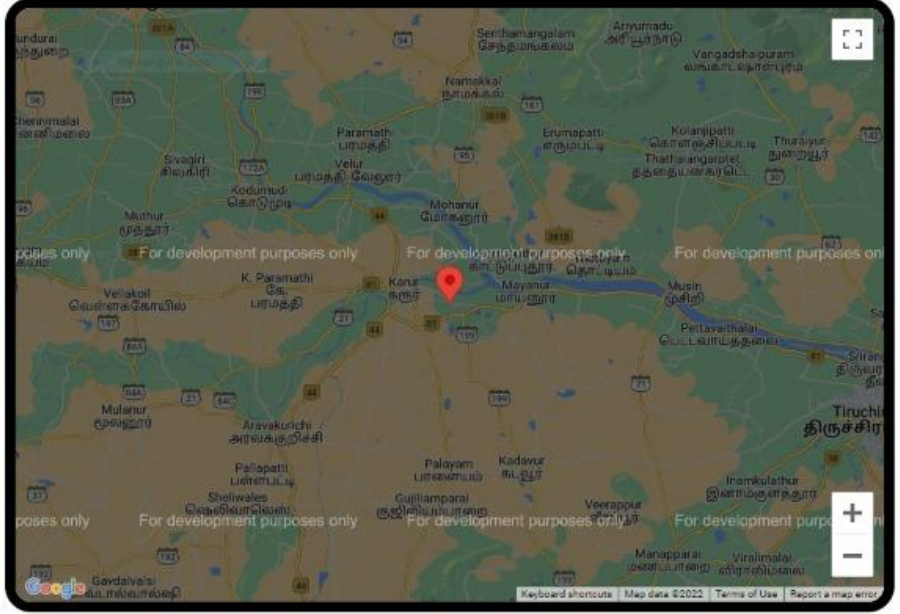


8 %

LEVEL : 60.25cm

WEIGHT : 0g

### LIVE LOCATION



No need to collect right now!

Node-RED

Garbage Management System

https://chettinad.swm5.repl.co

Rock (Gmail)GITHUB IBMDownload The You...SaveFrom Video Do...ucutYouTubeNew fonts | dafont...video shoptrexAll in One Tamil Fo...StackBlitzinetWhatsAppPrime Video: Parasite7 by La-Emeralda...HTML

Windows taskbar with icons for various applications and system status: 27°C Cloudy, ENG, 18:47