Team ID	PNT2022TMID17220
Project Name	Signs with Smart Connectivity for Better Road Safety
Sprint	02

Python Code 01:

```python
import weather

from datetime import datetime as dt

from publishData import logData2Cloud as log2cloud


# IMPORT SECTION ENDS
# -----------------------------------------------
# UTILITY LOGIC SECTION STARTS
def processConditions(myLocation,APIKEY,localityInfo):

    weatherData = weather.get(myLocation,APIKEY)


    log2cloud(myLocation,weatherData["temperature"],weatherData["visibility"])


    finalSpeed = localityInfo["usualSpeedLimit"] if "rain" not in weatherData else localityInfo["usualSpeedLimit"]/2
    finalSpeed = finalSpeed if weatherData["visibility"]>35 else finalSpeed/2


    if(localityInfo["hospitalsNearby"]):
        # hospital zone
        doNotHonk = True
    else:
        if(localityInfo["schools"]["schoolZone"]==False):
            # neither school nor hospital zone
            doNotHonk = False
        else:
```

```python
    # school zone
    now = [dt.now().hour,dt.now().minute]
    activeTime = [list(map(int,_.split(":"))) for _ in localityInfo["schools"]["activeTime"]]
    doNotHonk = activeTime[0][0]<=now[0]<=activeTime[1][0] and activeTime[0][1]<=now[1]<=activeTime[1][1]


  return({
    "speed" : finalSpeed,
    "doNotHonk" : doNotHonk
  })
```