Sprint 1(1)

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| **Date** | **01-10-2022** |
| **Team ID** | **PNT2022TMID37463** |
| **Project Name** | **Signs with Smart Connectivity for Better Road Safety** |

#Python code import weather

from datetime import datetime as dt def

processConditions(myLocation,APIKEY,localityInfo): weatherData = weather.get(myLocation,APIKEY)

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:

# 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

})

[DEBUG ON] [DEBUG OFF]