PROJECT DEVELOPMENT PHASE

SPRINT-2

Date	12 November 2022
Team ID	PNT2022TMID14066
Project Name	Signs with Smart Connectivity for Better Road Safety

SPRINT-2:

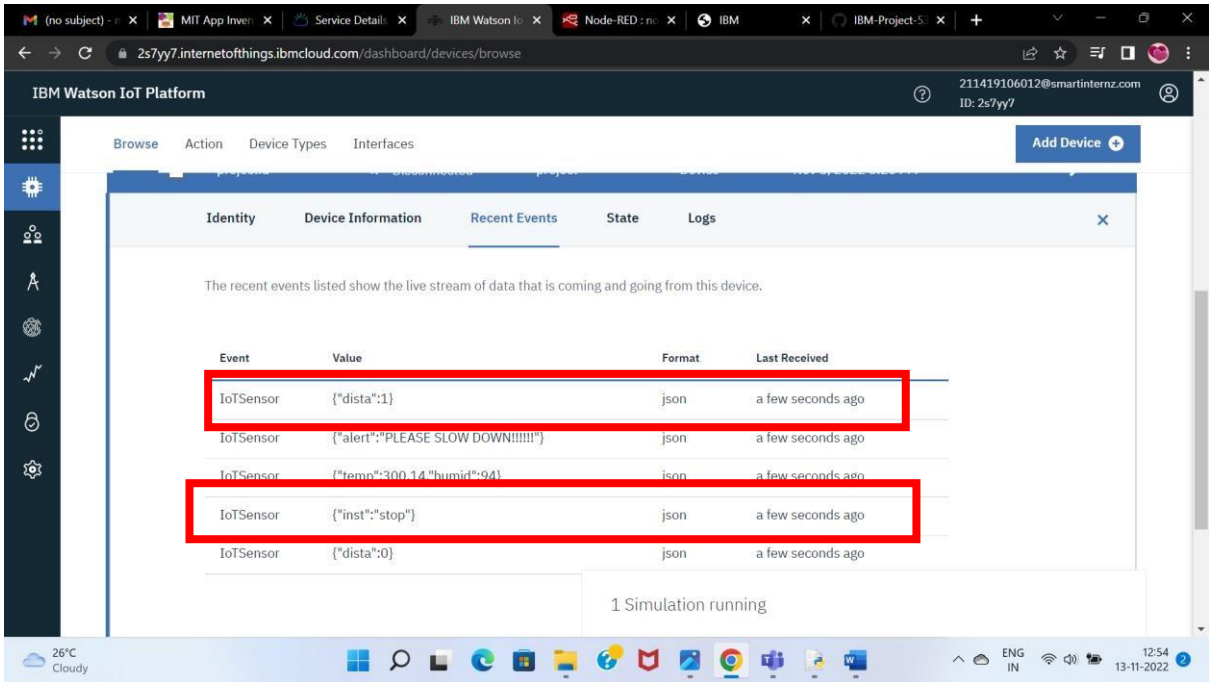
- In sprint-2, we have developed a python code using random function to generate random values for distance between user and the vehicle ahead.
- We have also implemented a condition such that, if distance is less than 20, then it displays a warning like “STOP”. The user can either try with different direction or can take diversion
- This helps in reducing accidents ,to avoid clashes and to promote safe driving experience.

PYTHON CODE:

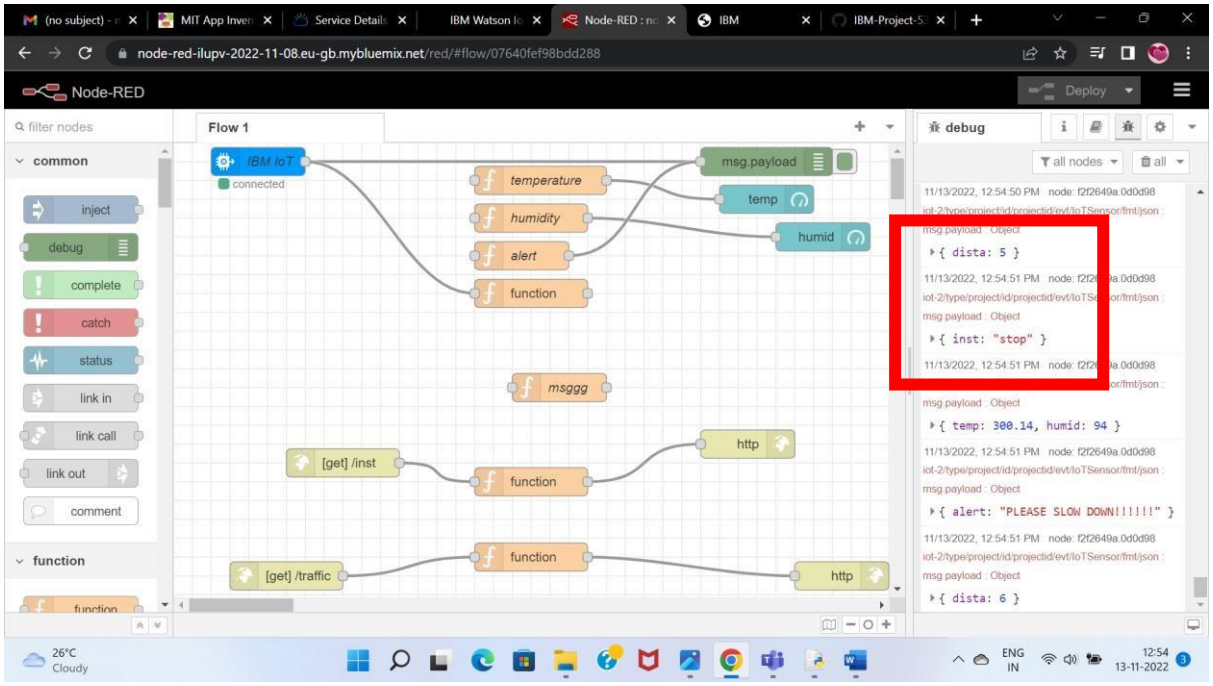
```
dist=random.randint(0,50)
dis={'dista':dist}

if(dist<20):
    insta={'inst':'stop'}
```

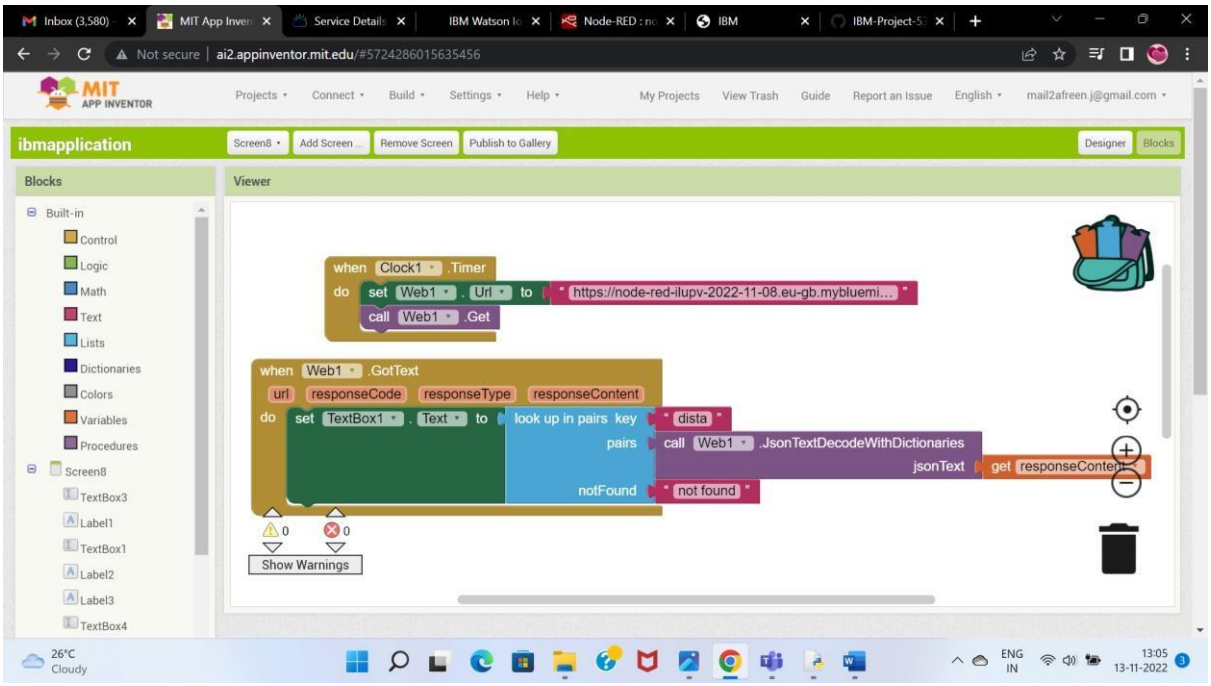
IBM IoT WATSON PLATFORM:



NODE-RED:



MIT APP INVENTOR:



USER APP SCREENSHOT:

YOU ARE BEHIND ANOTHER VEHICLE BY

18

IF DISTANCE IS BELOW 20

STOP

TRY MOVING IN DIFFERENT DIRECTION

OR TAKE DIVERSION

BACK