# PROJECT DEVELOPMENT PHASE

## SPRINT 1

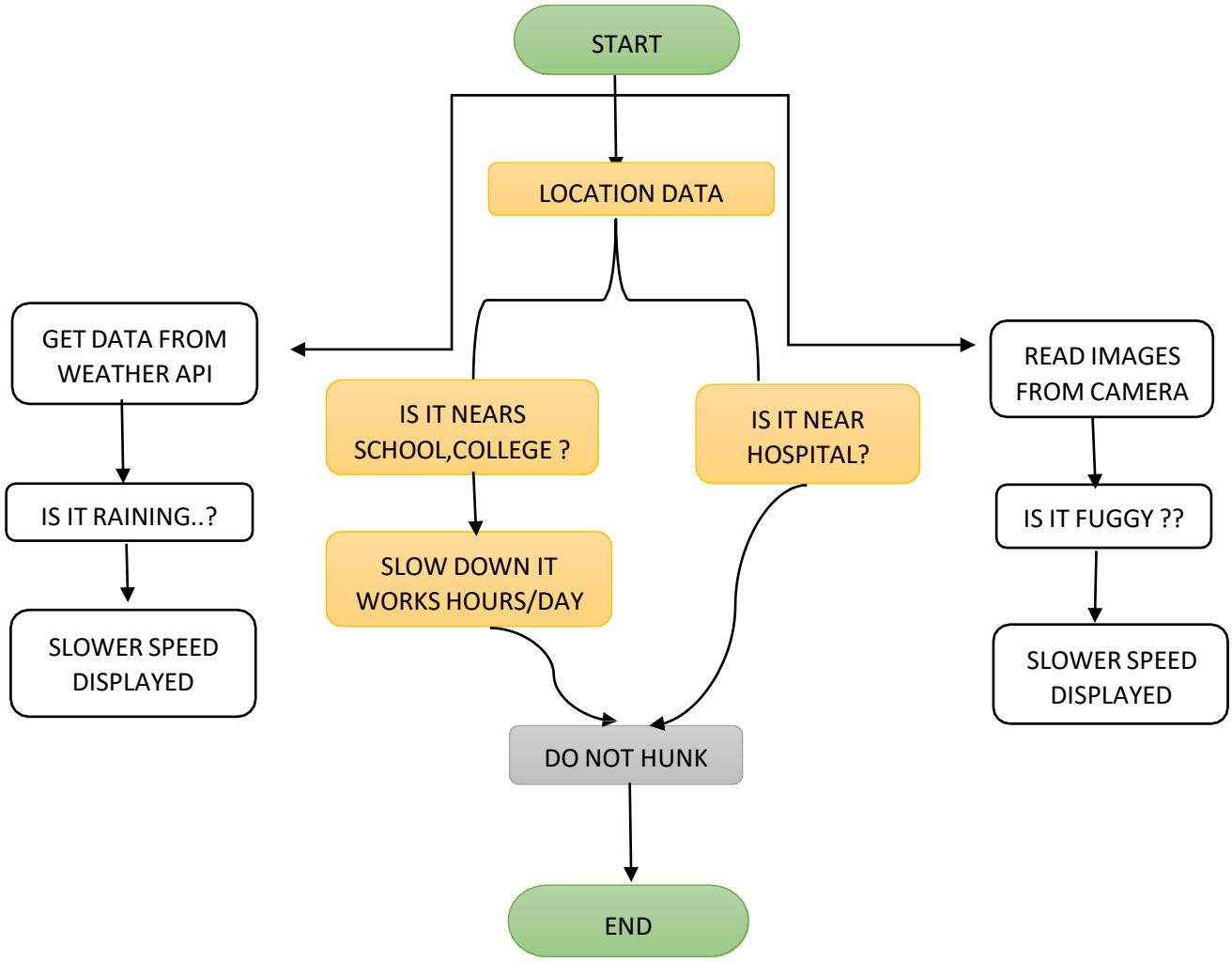
| | |
|---|---|
| **TEAM ID** | PNT2022TMID44448 |
| **PROJECT NAME** | Signs With smart connectivity for better road safety |

## SPRINT GOALS:

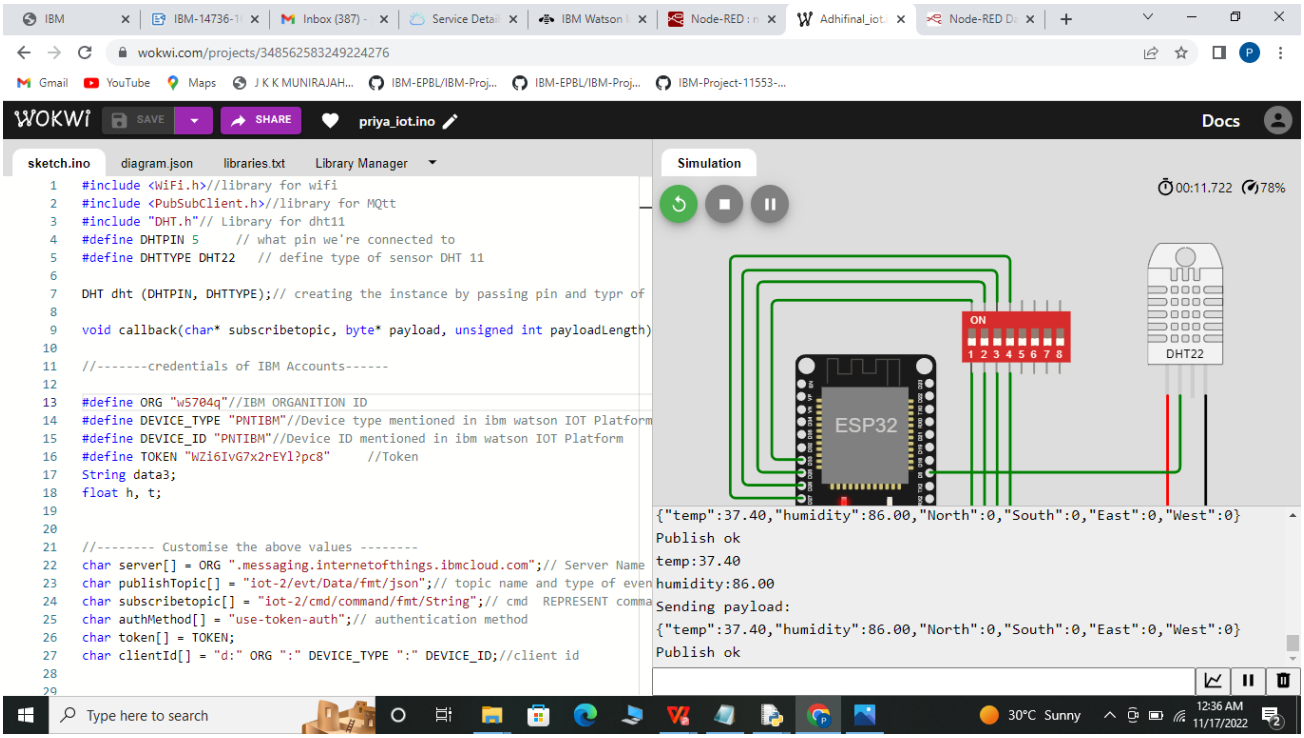
1. Create and initialize accounts in various public APIs like Open Weather API.

2. Write a Python program that outputs results given the inputs like weather and location.

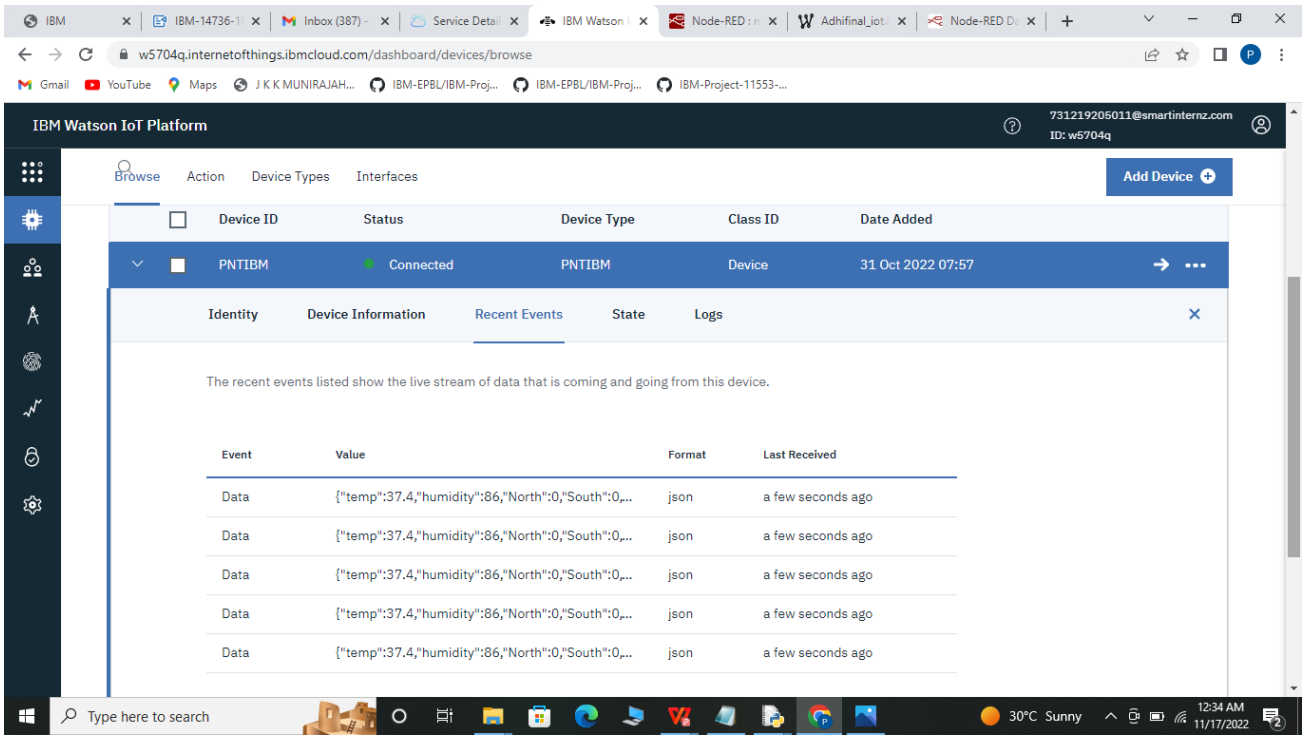
## COAD FLOW



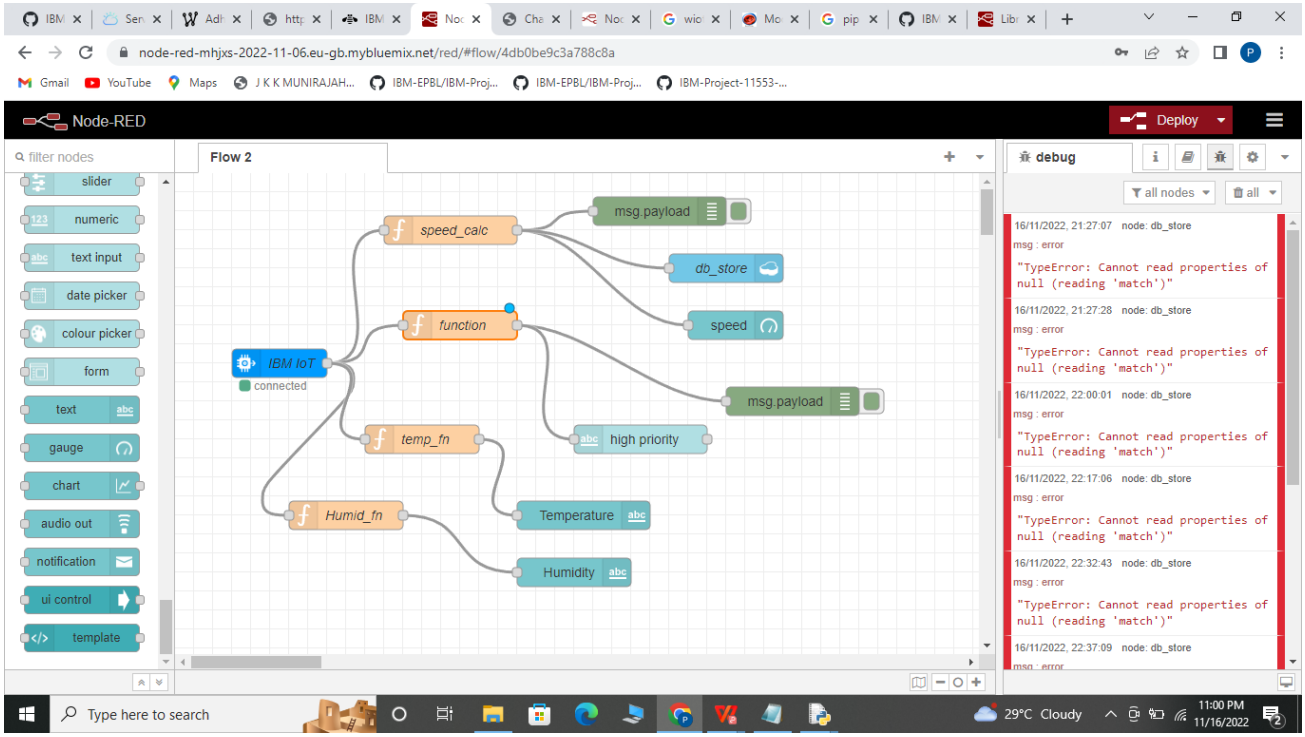
# Wokwi Simulation: https://wokwi.com/projects/348562583249224276



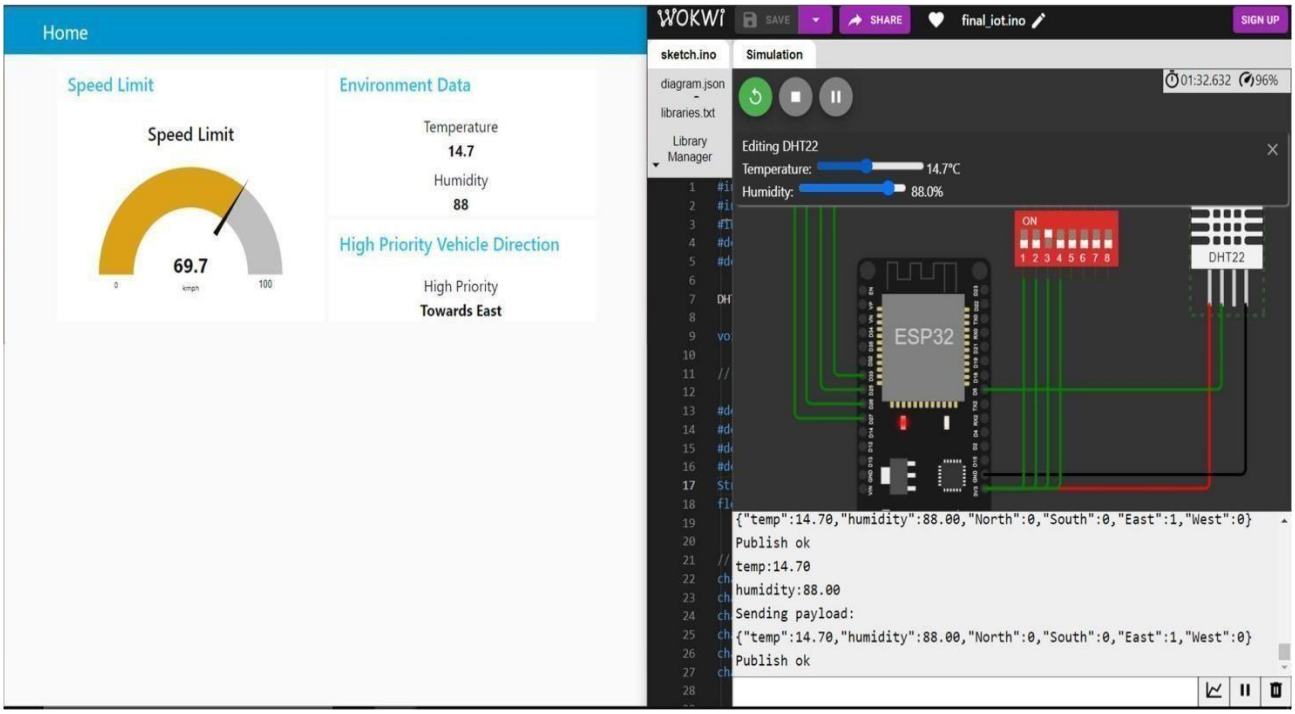

# IoT Device – IoT Platform :

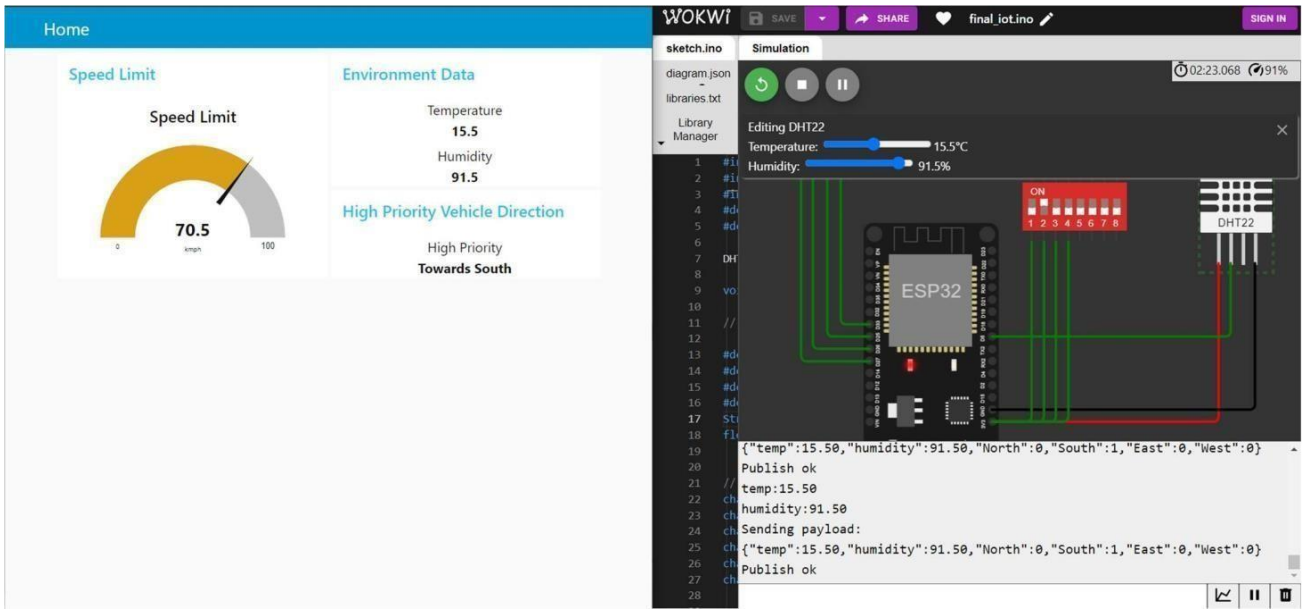


# Node Red :




# Node Red Web UI :


Home
Speed Limit
Speed Limit
69.7
0
kmph
100
Environment Data
Temperature
14.7
Humidity
88
High Priority Vehicle Direction
High Priority
Towards East
WOKWI
SAVE
SHARE
final_iot.ino
SIGN UP
sketch.ino
Simulation
diagram.json
libraries.txt
Library Manager
01:32.632
96%
Editing DHT22
Temperature:
14.7°C
Humidity:
88.0%
ON
1 2 3 4 5 6 7 8
DHT22
ESP32
{"temp":14.70,"humidity":88.00,"North":0,"South":0,"East":1,"West":0}
Publish ok
temp:14.70
humidity:88.00
Sending payload:
{"temp":14.70,"humidity":88.00,"North":0,"South":0,"East":1,"West":0}
Publish ok


Home
Speed Limit
Speed Limit
70.5
0
kmph
100
Environment Data
Temperature
15.5
Humidity
91.5
High Priority Vehicle Direction
High Priority
Towards South
WOKWI
SAVE
SHARE
final_iot.ino
SIGN IN
sketch.ino
Simulation
diagram.json
libraries.txt
Library Manager
02:23.068
91%
Editing DHT22
Temperature:
15.5°C
Humidity:
91.5%
ON
1 2 3 4 5 6 7 8
DHT22
ESP32
{"temp":15.50,"humidity":91.50,"North":0,"South":1,"East":0,"West":0}
Publish ok
temp:15.50
humidity:91.50
Sending payload:
{"temp":15.50,"humidity":91.50,"North":0,"South":1,"East":0,"West":0}
Publish ok

# Cloudant Database :