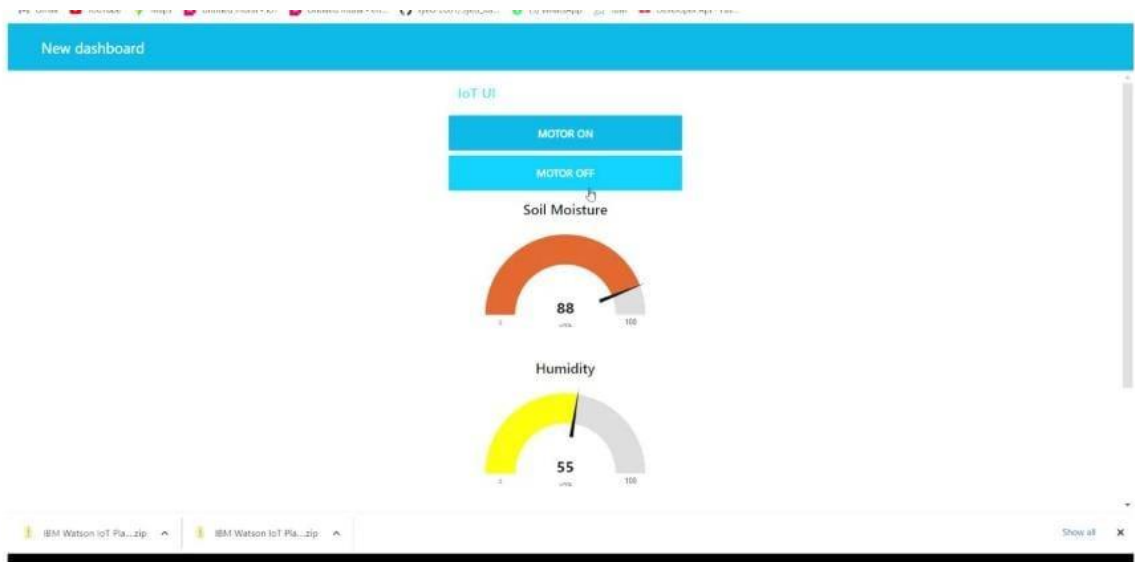
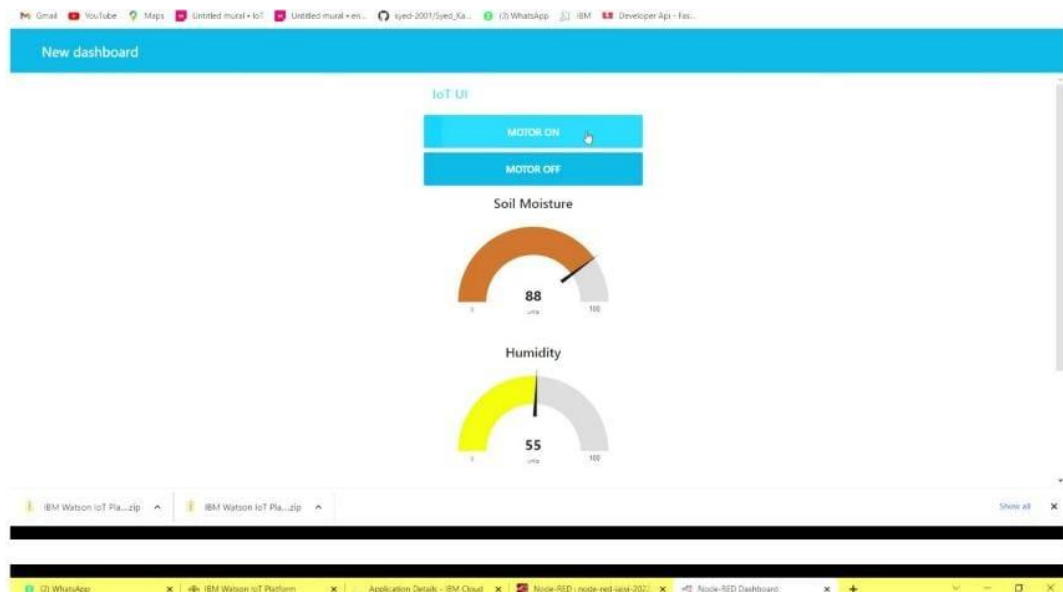


SPRINT 4

TEAM ID	PNT2022TMID02463
PROJECT NAME	IoT Based Smart Crop Protection System for Agriculture



```
File Edit Shell Debug Options Window Help
ity': 72}
Published data Successfully: %s {'soil_moisture': 44, 'temperature': 93, 'humidi
ty': 40}
Published data Successfully: %s {'soil_moisture': 83, 'temperature': -8, 'humidi
ty': 88}
Published data Successfully: %s {'soil_moisture': 7, 'temperature': 50, 'humidit
y': 0}
Published data Successfully: %s {'soil_moisture': 9, 'temperature': 29, 'humidit
y': 53}
Published data Successfully: %s {'soil_moisture': 82, 'temperature': 76, 'humidi
ty': 64}
Published data Successfully: %s {'soil_moisture': 13, 'temperature': 109, 'humid
ity': 39}
Message received from IBM IoT Platform: motoron ←
Motor is switched on

Published data Successfully: %s {'soil_moisture': 67, 'temperature': -17, 'humid
ity': 81}
Message received from IBM IoT Platform: motoroff ←
Motor is switched OFF

Published data Successfully: %s {'soil_moisture': 78, 'temperature': 4, 'humidit
y': 54}
Published data Successfully: %s {'soil_moisture': 47, 'temperature': 30, 'humidi
ty': 66}
Published data Successfully: %s {'soil_moisture': 15, 'temperature': 113, 'humid
ity': 18}
Published data Successfully: %s {'soil_moisture': 97, 'temperature': 59, 'humidi
ty': 66}
```

Explanation :

- As we open the UI in the dashboard, it displays the output of the node red that we connected in node red application.
- That Application runs through the python code which is connected with IBM IoT Watson Platform.
- In the UI we can view Live result and When we click on the Motor ON and OFF button.
- It will generate a message and get runs in the Python code and displayed in Python script(which is given above for example