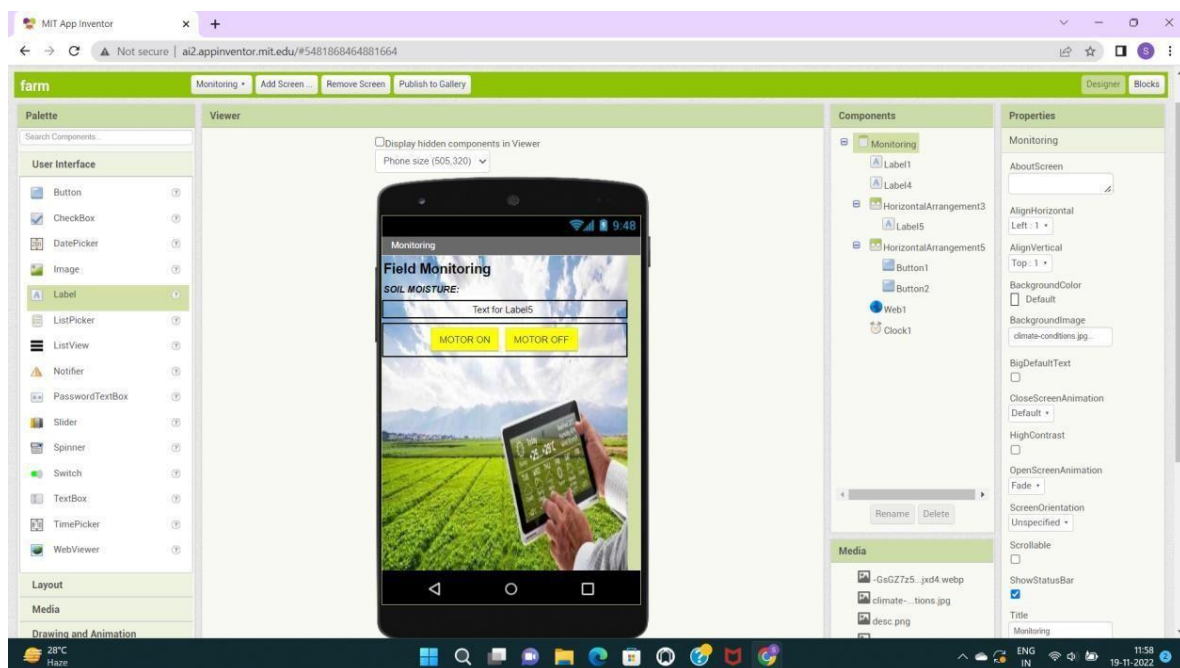


# SPRINT-2

## FIELD MONITORING AND CONTROLLING

Date	31 October 2022
Team ID	PNT2022TMID11377
Project Name	Smart Farmer –IoT Enabled smart farming Application
Maximum Marks	8 Marks

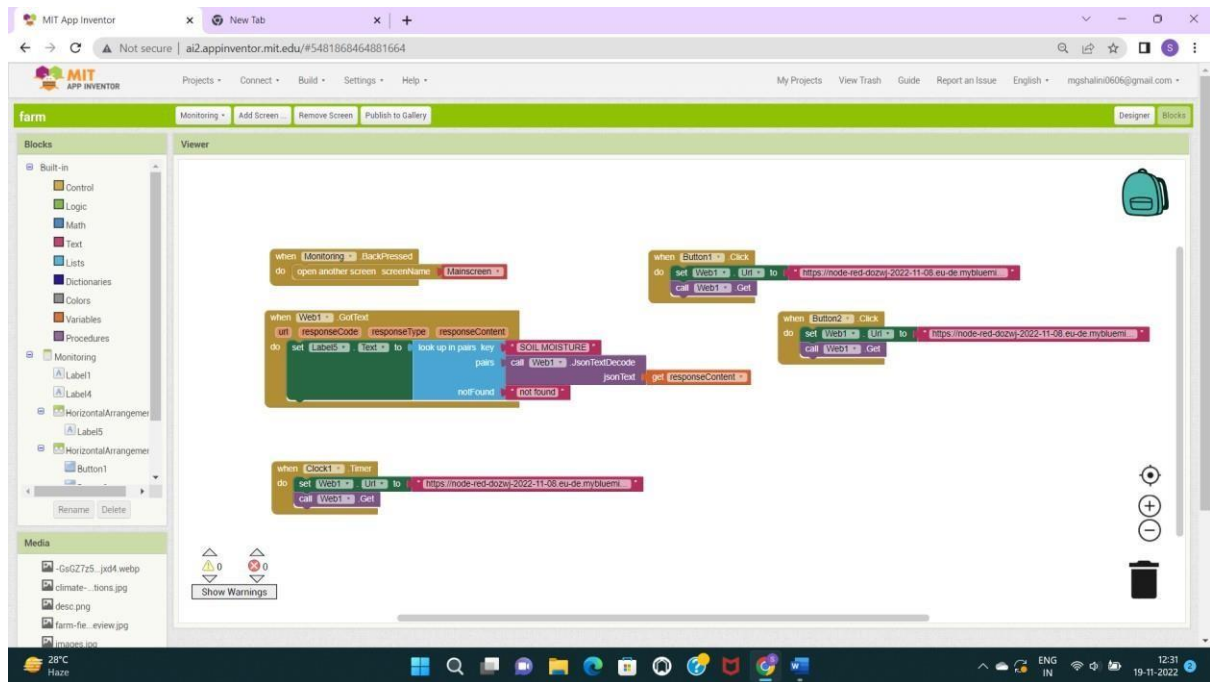
### MIT APP INVENTOR:



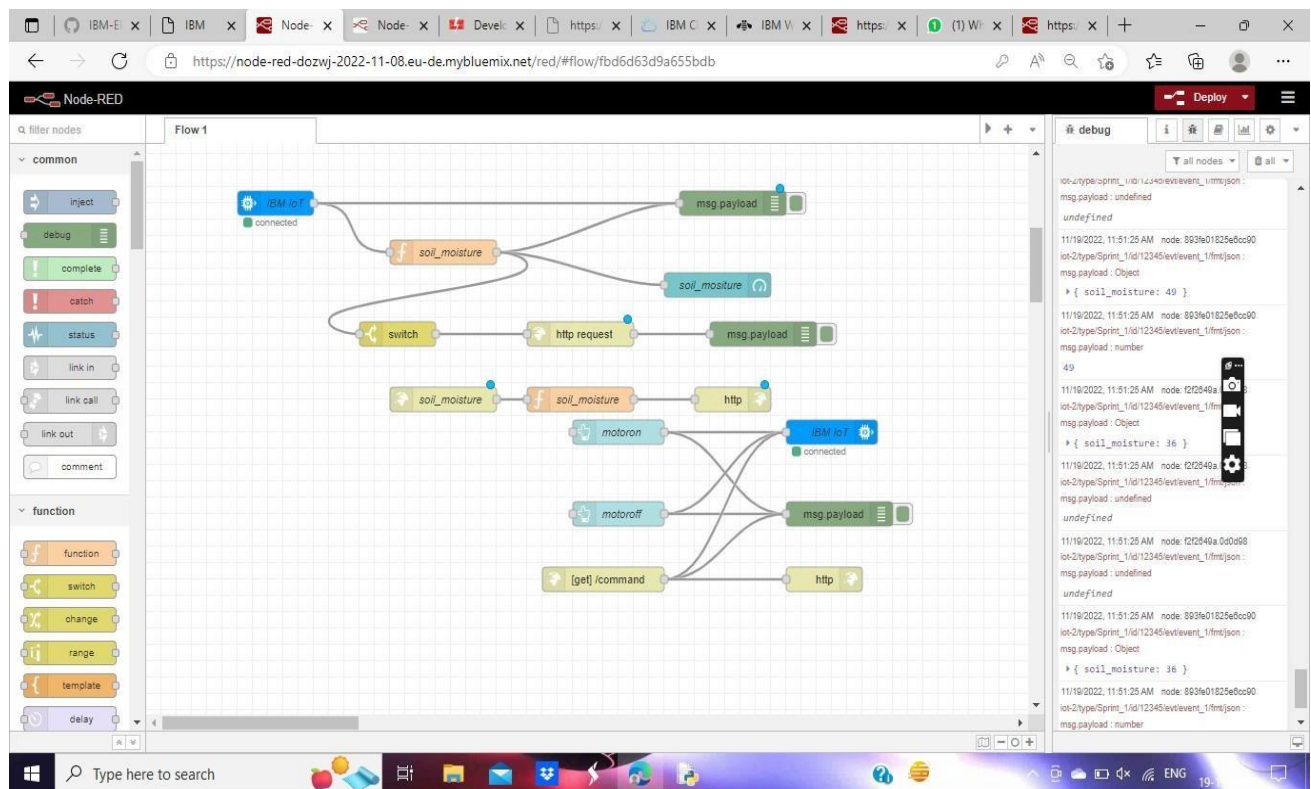
## APP SCREEN:



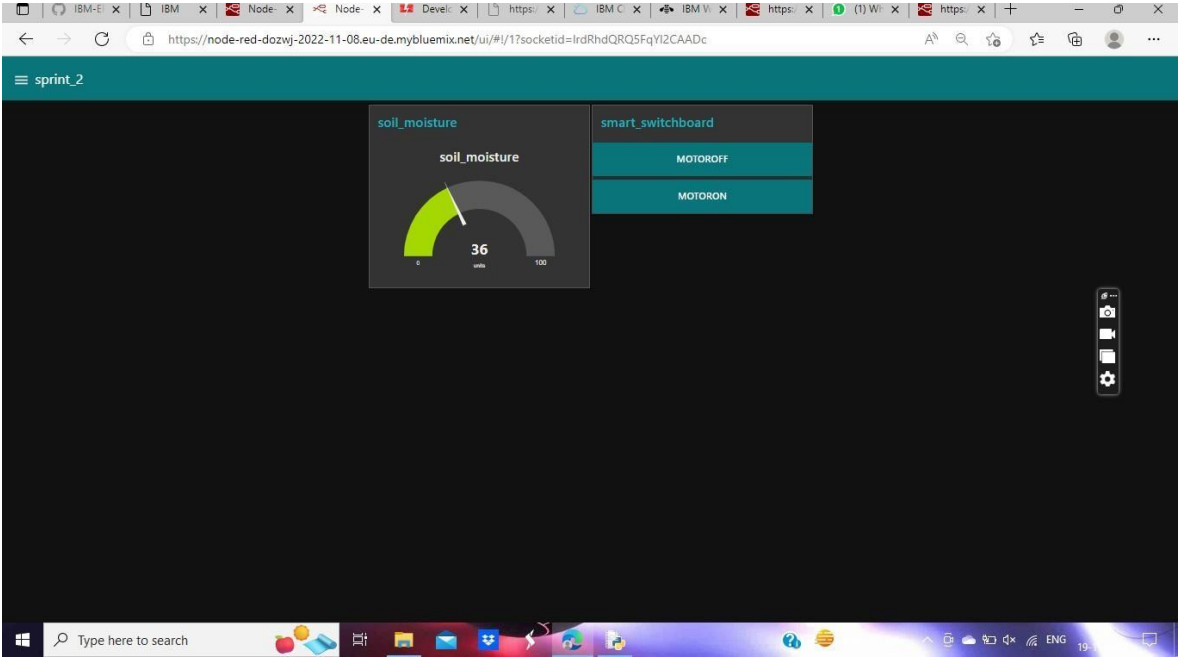
## BLOCKS:



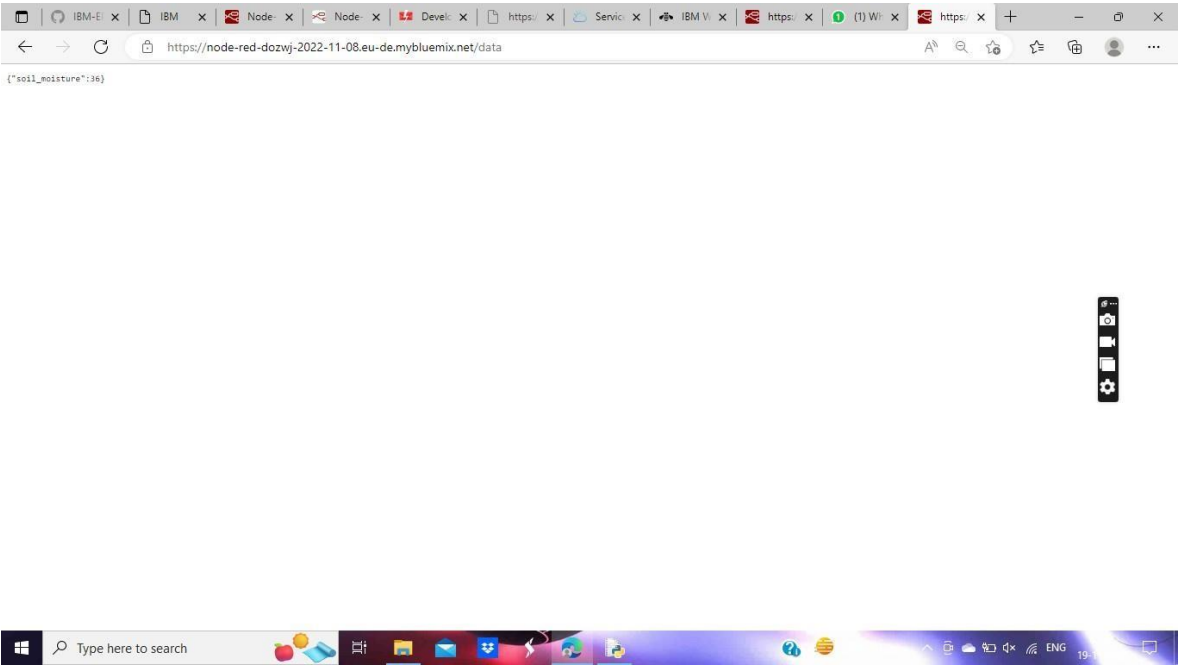
## NODE RED FLOW:



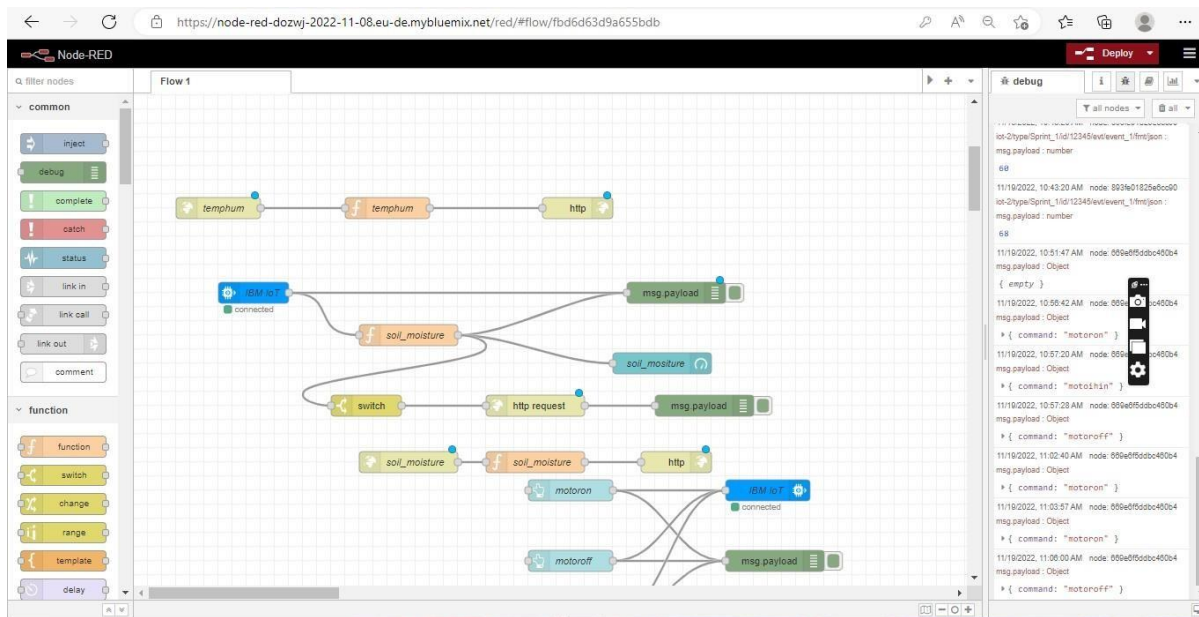
**NODE RED DASHBOARD:**



**NODE RED VALUE FOR SOIL MOISTURE:**



## MOTOR ON AND OFF MESSAGE IS DISPLAYED:



## FAST 2 SMS:

Sending the notification via mobile number, If the moisture level is detected below 20 then the notification is sent to the user like less moisture is detected.

The screenshot shows the FAST2SMS dashboard with the 'Dev API' tab selected. The 'Language' is set to 'English' and 'Flash Message' is set to 'No'. The 'Contact' field contains the number '9944003923'. A 'READ API DOCS' button is visible. On the right, a black box displays a sample GET request:

```
GET https://www.fast2sms.com/dev/bulkV2

Query Parameter :

authorization = ZCuHWu5lc1Q5qr1p6xi0avJEUyhn4V4Q7owLXosGmobIP
IYX4YlpnVDW4hX

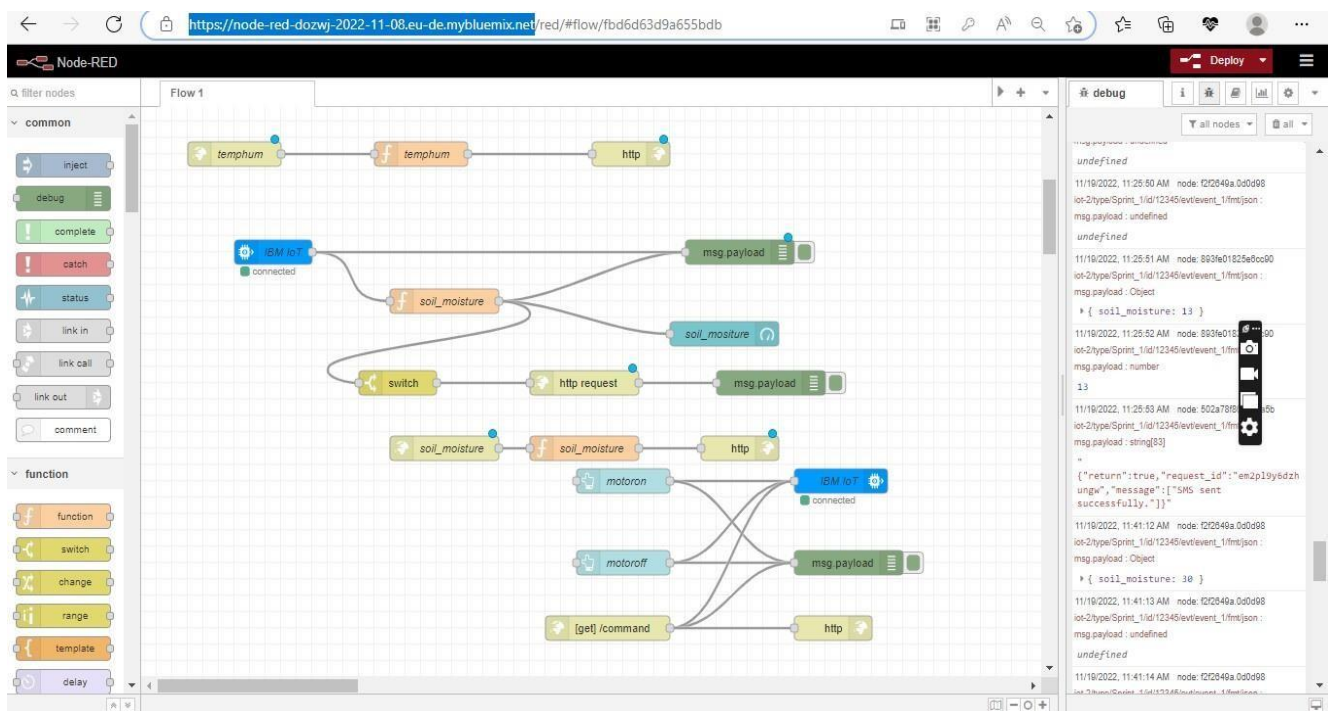
route = q
message = Less moisture is detected
language = "english"
numbers = 9944003923
flash = "0"

Overall URL = https://www.fast2sms.com/dev/bulkV2?
authorization=ZCuHWu5lc1Q5qr1p6xi0avJEUyhn4V4Q7o
wLXosGmobIPYX4YlpnVDW4hX&route=q&message=Less
%20moisture%20is%20detected%20&language=english&fla
sh=0&numbers=9944003923
```

<https://www.fast2sms.com/dev/bulkV2?authorization=ZCuHWuv5lc1Q5qr1p6xi0avjEUyhn4V4Q7owLXosGmoblPIYX4YlpnVDW4hX&route>

```
{"return":true,"request_id":"z95pciaxmf21jt6","message":["SMS sent successfully."]}
```

Here, the moisture is detected as 13 so it's less than 20 automatically the message is send to the user and we get successfully message sent in the node red .





## NOTIFICATION IN USER MOBILE:

