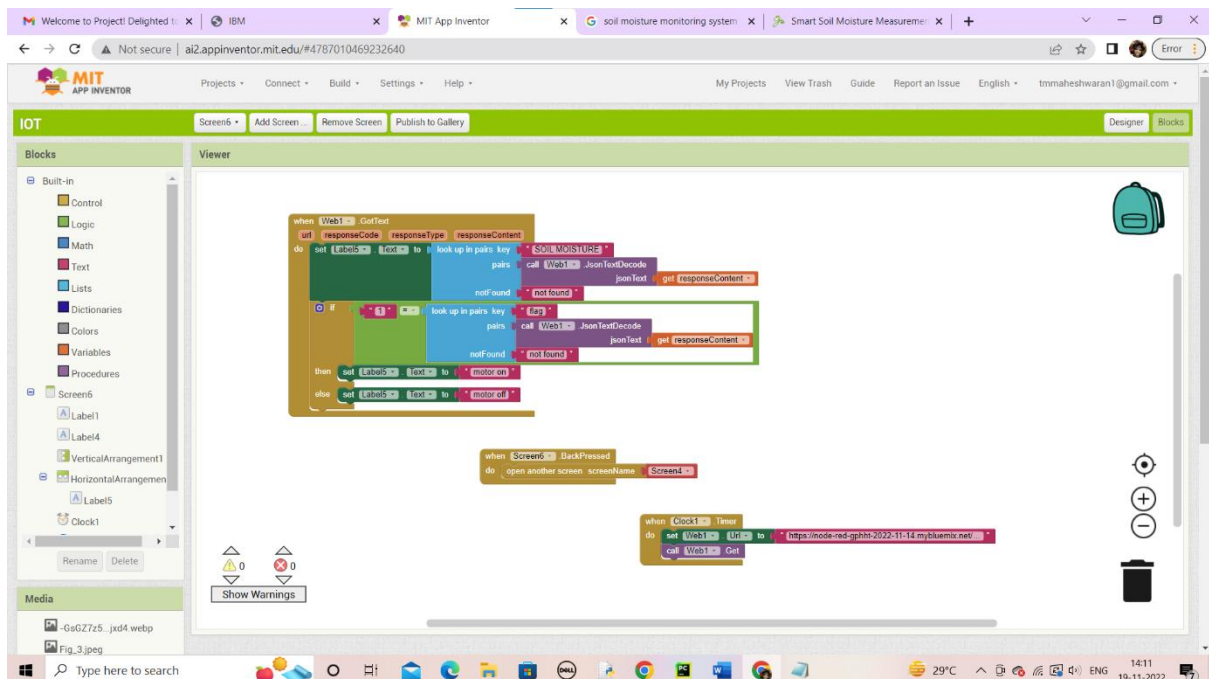
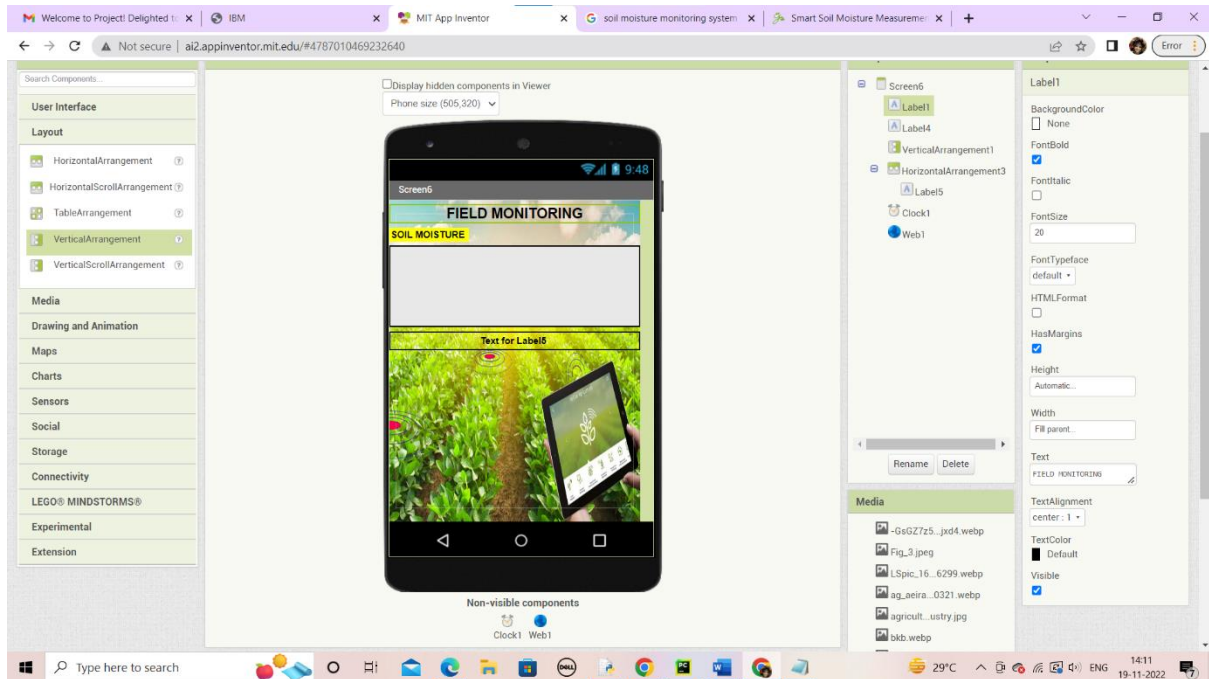
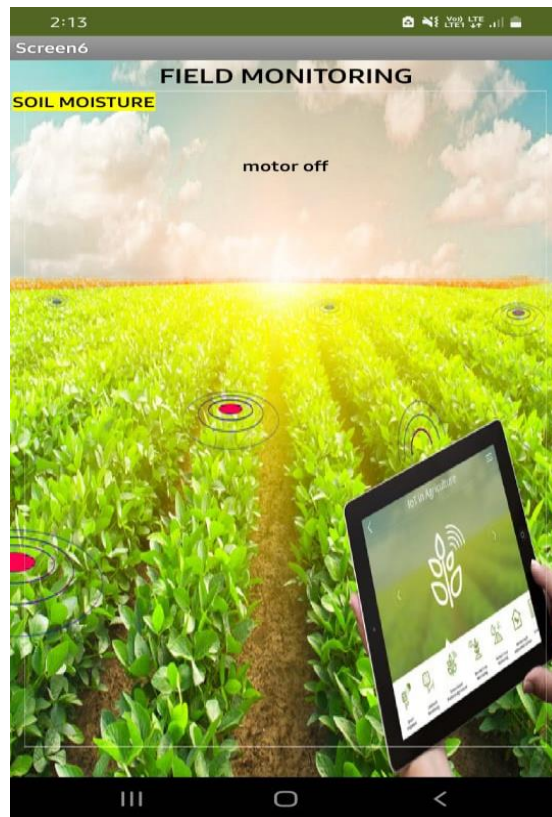


SPRINT-2

Date	31 OCT 2022
Team ID	PNT2022PMID11540
Project	IoT Based Smart Crop Protection System For Agriculture
Maximum marks	8 MARKS

MIT APP:





PYTHON SCRIPT:

```

File Edit View Navigate Code Refactor Run Tools VCS Window Help pythonProject - C:\Users\prana\PycharmProjects\pythonProject\venv\new.py
pythonProject venv new.py
1 import wiotp.sdk.device
2 import time
3 import random
4 myConfig = {
5     "identity": {
6         "orgId": "ozexmo",
7         "typeId": "rasberrypl",
8         "deviceId": "12345"
9     },
10    "auth": {
11        "token": "12345678"
12    }
13 }
14 def myCommandCallback(cmd):
15     print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
16     m=cmd.data['command']
17     client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
18     client.connect()
19     while True:
20         soil = random.randint(0, 100)
21         temp=random.randint(-25,125)
22         hum=random.randint(0,100)
23         if soil<50:
24             myData = {'d': {'temperature': temp, 'humidity': hum, 'soil':soil, 'flag': 1}}
25         else:
26             myData = {'d': {'temperature': temp, 'humidity': hum, 'soil':soil, 'flag': 0}}
27         client.publishEvent(eventId="Data", msgFormat="json", data=myData, qos=0, onPublish=None)
28     myCommandCallback()
Run: new
Published data Successfully: %s {'d': {'temperature': 10, 'humidity': 77, 'soil': 14, 'flag': 1}}
Published data Successfully: %s {'d': {'temperature': 24, 'humidity': 82, 'soil': 43, 'flag': 1}}
Packages installed successfully. Installed packages: 'wiotp-sdk' (today 09:35)
Version Control Run TODO Problems Terminal Python Packages Python Console Services
15:61 CRLF UTF-8 4 spaces Python 3.7 (pythonProject)
Type here to search 29°C 14:15 19-11-2022

```

NODE RED CONNECTION:

