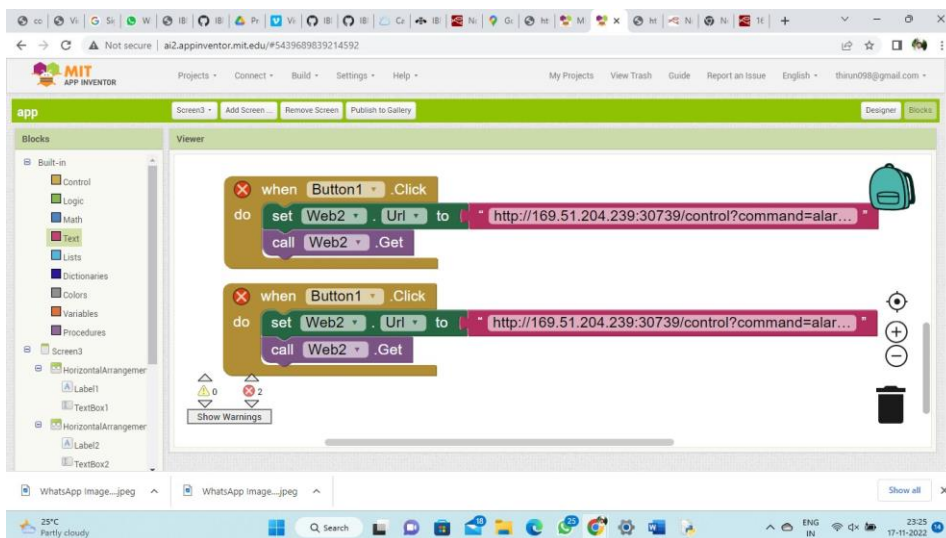


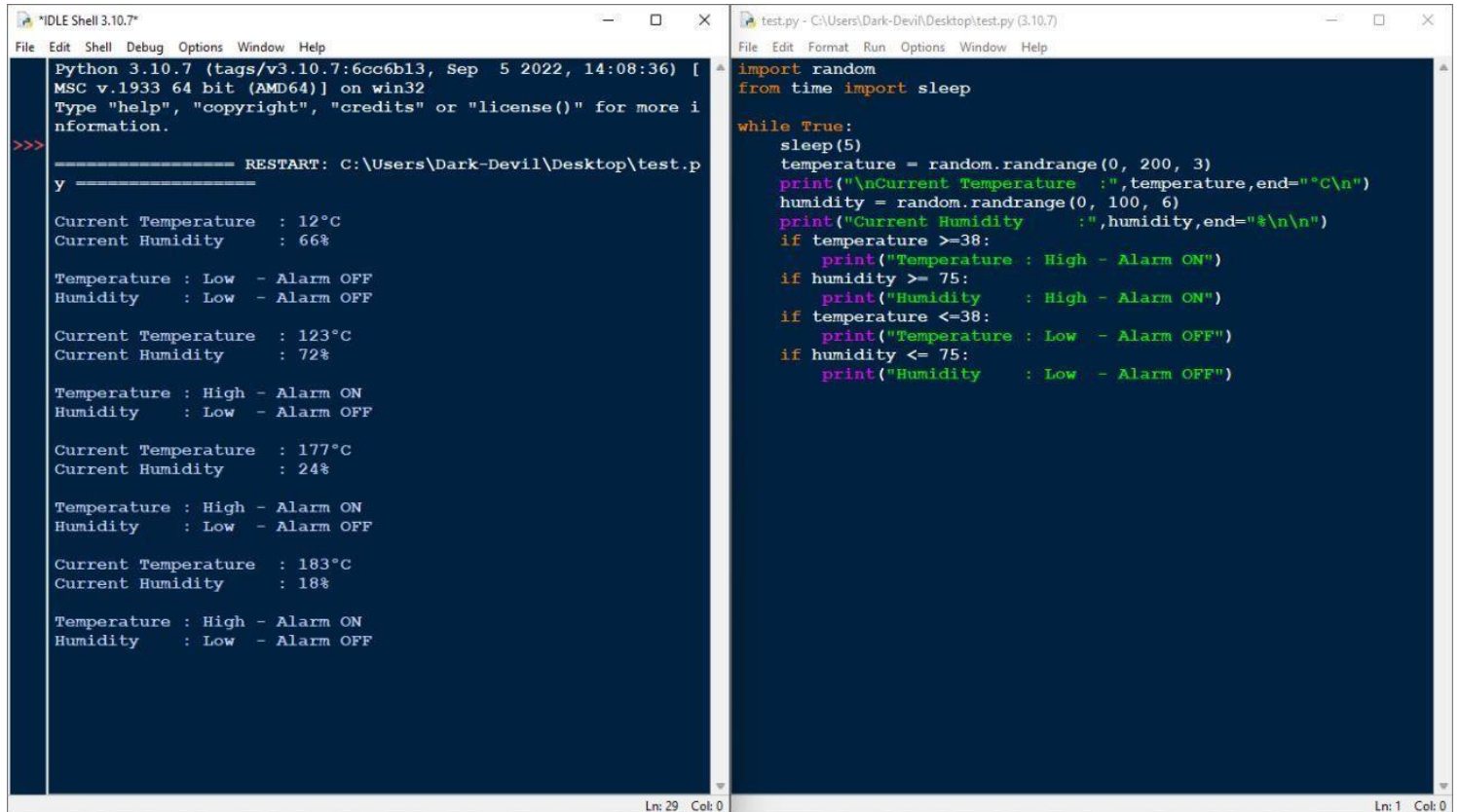
Configure The Mobile App For Controlling Motor Using Buttons

Date	17 November 2022
Team Id	PNT2022TMID26592
Title	Hazardous Area Monitoring for Industrial Plant using IoT

App Blocks to render the values and display it in app



Python block that changes the state of motor based on input from app



The image shows two side-by-side windows from a Python IDE. The left window, titled 'IDLE Shell 3.10.7*', displays the output of a Python script. It shows a restart message followed by several lines of sensor data and alarm status. The right window, titled 'test.py - C:\Users\Dark-Devil\Desktop\test.py (3.10.7)', shows the source code of the script. The code imports 'random' and 'sleep', and uses a 'while True' loop to generate random temperature and humidity values, print them, and check for high or low conditions to trigger an alarm.

```
Python 3.10.7 (tags/v3.10.7:6cc6b13, Sep 5 2022, 14:08:36) [
MSC v.1933 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more i
nformation.
>>>
===== RESTART: C:\Users\Dark-Devil\Desktop\test.p
y =====
Current Temperature : 12°C
Current Humidity : 66%

Temperature : Low - Alarm OFF
Humidity : Low - Alarm OFF

Current Temperature : 123°C
Current Humidity : 72%

Temperature : High - Alarm ON
Humidity : Low - Alarm OFF

Current Temperature : 177°C
Current Humidity : 24%

Temperature : High - Alarm ON
Humidity : Low - Alarm OFF

Current Temperature : 183°C
Current Humidity : 18%

Temperature : High - Alarm ON
Humidity : Low - Alarm OFF
```

```
test.py - C:\Users\Dark-Devil\Desktop\test.py (3.10.7)
File Edit Format Run Options Window Help
import random
from time import sleep

while True:
    sleep(5)
    temperature = random.randrange(0, 200, 3)
    print("\nCurrent Temperature :",temperature,end="°C\n")
    humidity = random.randrange(0, 100, 6)
    print("Current Humidity :",humidity,end="%\n\n")
    if temperature >=38:
        print("Temperature : High - Alarm ON")
    if humidity >= 75:
        print("Humidity : High - Alarm ON")
    if temperature <=38:
        print("Temperature : Low - Alarm OFF")
    if humidity <= 75:
        print("Humidity : Low - Alarm OFF")
```