IOT with Machine Learning

TASK5- Humidity and temperature monitoring using Raspberry pi and Blynk app(LIVE TASK 2)

CODE

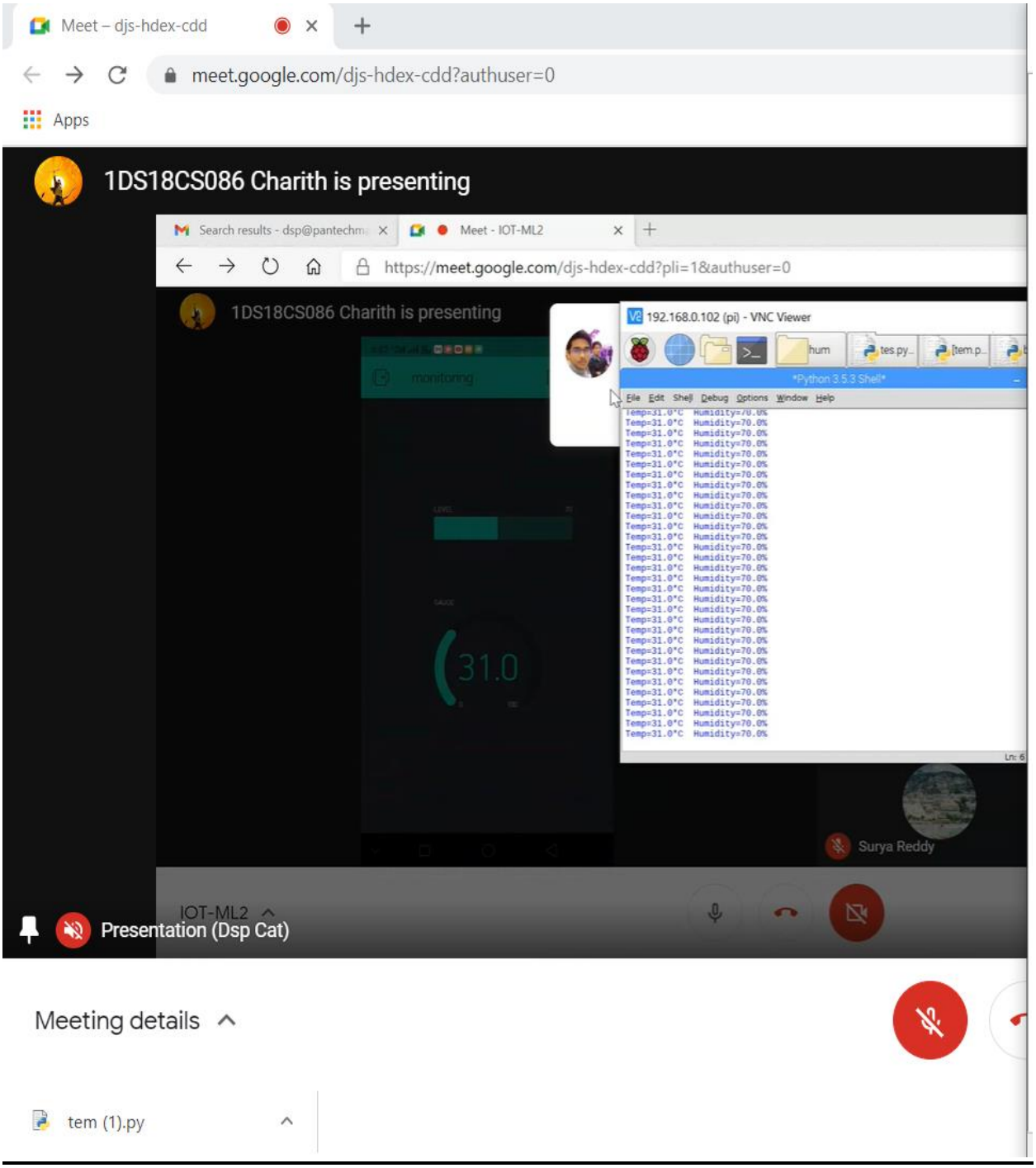
tem (1).py - C:\Users\chaku\Documents\Desktop\PANTECH\tem (1).py (3.8.5)

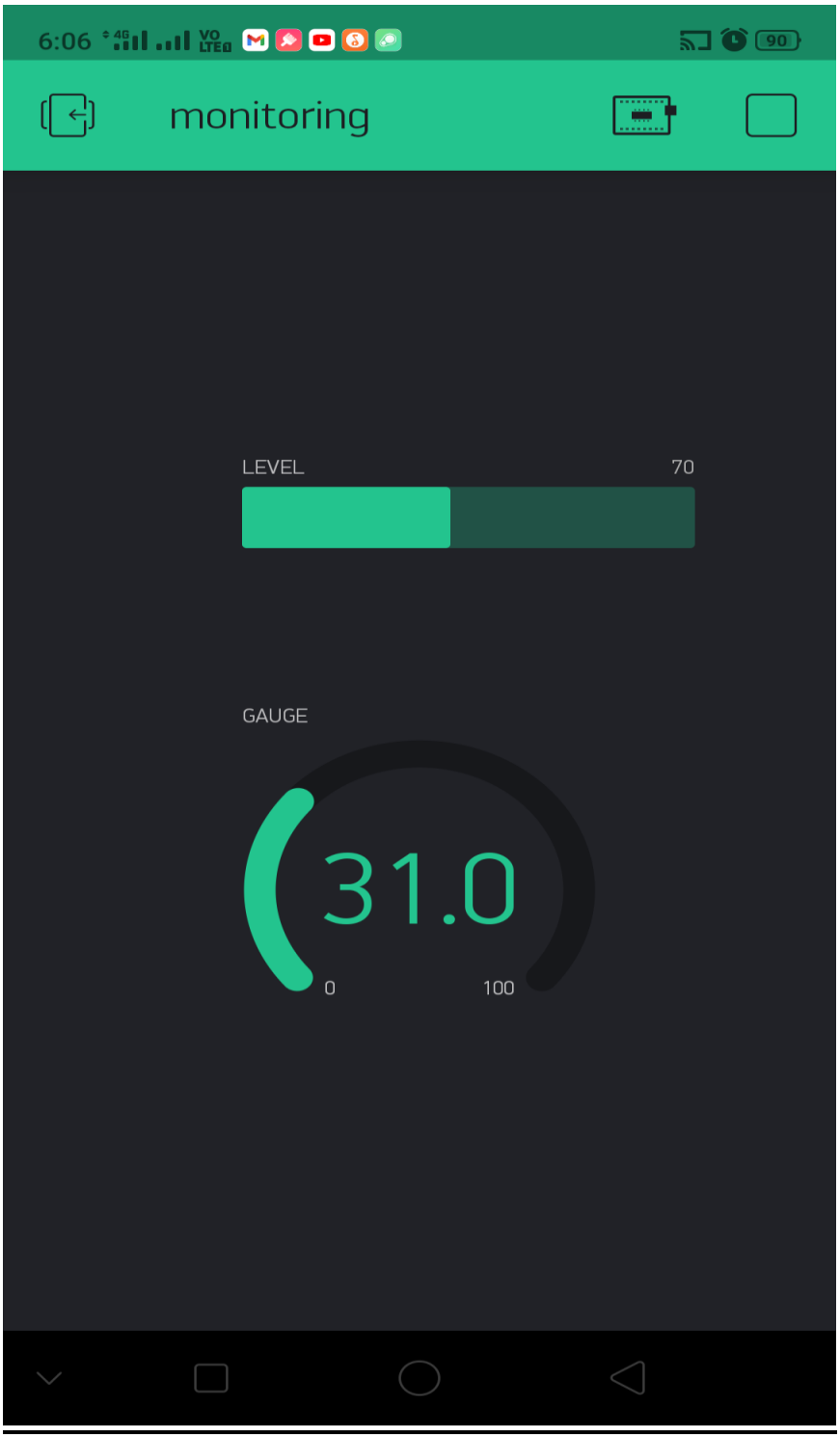
File Edit Format Run Options Window Help

```
##sudo pip3 install Adafruit_DHT
import Adafruit_DHT
import time
import BlynkLib


sensor=Adafruit_DHT.DHT11
blynk = BlynkLib.Blynk(' yFFAB0H5D476sfYy6yU026kpO8h9-4op')

gpio=21
humidity, temperature = Adafruit_DHT.read_retry(sensor, gpio)



# Initialize Blynk

# Register Virtual Pins
@blynk.VIRTUAL_WRITE(0)
def my_write_handler(value):
    print('Current V0 value: {}'.format(value))

@blynk.VIRTUAL_READ(1)
def my_read_handler():
    if humidity is not None and temperature is not None:
      print('Temp={0:0.1f}*C  Humidity={1:0.1f}%'.format(temperature, humidity))
      blynk.virtual_write(1,humidity)
      blynk.virtual_write(0,temperature)

    else:
      print('Failed to get reading. Try again!')
    time.sleep(3)


while True:
    my_read_handler()
    blynk.run()
    time.sleep(1)
```

Ln: 35 Col: 21

RESULT


Meet – djs-hdex-cdd
meet.google.com/djs-hdex-cdd?authuser=0
Apps
1DS18CS086 Charith is presenting
Search results - dsp@pantechm
Meet - IOT-ML2
https://meet.google.com/djs-hdex-cdd?pli=1&authuser=0
1DS18CS086 Charith is presenting
192.168.0.102 (pi) - VNC Viewer
Python 3.5.3 Shell
File Edit Shell Debug Options Window Help
Temp=31.0°C Humidity=70.0%
Surya Reddy
IOT-ML2
Presentation (Dsp Cat)
Meeting details
tem (1).py


6:06
monitoring
LEVEL
70
GAUGE
31.0
0
100