**This is IoT based Weather Station with Pi 3b+ with real time monitoring**

**SSH**

1. Create a blank text file named ‘ssh’ in the boot drive of pi.
2. Create another file with ‘unix EOL conversion’ and name that as “ wpa\_supplicant.conf “
3. Then add the following codes with your own SSID and password:

country=US

ctrl\_interface=DIR=/var/run/wpa\_supplicant GROUP=netdev

update\_config=1

network={

scan\_ssid=1

ssid="Your-SSID"

psk="Your-PSK"

key\_mgmt=WPA-PSK

}

1. You can login to your pi with any terminal by knowing the IP of the Pi. You can use the app ‘Fing’ to find the IP of Pi.

**Codes**

Codes are attached in the separate files.

1. Coding for BME 280 and SGP30 are in a single file – ‘Final1.py’ which is written in python3.
2. Coding for SI1145 is in file – ‘Final2.py’ . It is written in python, as there was no library in python3. I have managed to get one library with works on python only and its unofficial.
3. The codes for ph sensor is in fill ‘Final3.py’ and it is written python3.