AIR QUALITY MANAGEMENT

PROGRAM(Python):

from machine import Pin

from time import sleep

import dht

import network

sta\_if = network.WLAN(network.STA\_IF)

if not sta\_if.isconnected():

print('connecting to network...')

sta\_if.active(True)

sta\_if.connect('Wokwi-GUEST', "")

while not sta\_if.isconnected():

pass

print('network config:', sta\_if.ifconfig())

sensor = dht.DHT22(Pin(15))

while True:

try:

sleep(2)

sensor.measure()

temp = sensor.temperature()

hum = sensor.humidity()

temp\_f = temp \* (9/5) + 32.0

print('Temperature: %3.1f C' %temp)

print('Temperature: %3.1f F' %temp\_f)

print('Humidity: %3.1f %%' %hum)

except OSError as e:

print('Failed to read sensor.')

OUTPUT:

