**Name: Gautami Patil**

**Roll No.73**

**Practical 5**

Code - interfacing Raspberry Pi with DHT11

import sys

import Adafruit\_DHT as dht

from time import sleep

import urllib

def DHT11\_data():

humi, temp = dht.read\_retry(11, 23)

return humi, temp

myAPI = "YVDXH35F6O8NUYFS"

baseURL =

"https://api.thingspeak.com/update?api\_key=%s" % myAPI

while True:

humidity, temperature = DHT11\_data()

print ('Temp: {0:0.1f} C Humidity: {1:0.1f} %'.

format(temperature,humidity))

from urllib.request import urlopen

content = urlopen(baseURL +

"&field1=%s&field2=%s" % (temperature,humidity))

sleep(15)