NIELIT, Gorakhpur

Course Name: A-level (1st Sem.) Subject:IoT

Topic: Humidity sensor with Arduino UNO Date: 03.04.2020

Sketch For Reading Temperature And Humidity From DHT11

```
#include "DHT.h"
DHT dht;

void setup()
{
  Serial.begin(9600);
  Serial.println();
  Serial.println("Status\tHumidity (%)\tTemperature (C)\t(F)");
  dht.setup(2);          /* set pin for data communication */
}


void loop()
{
  delay(dht.getMinimumSamplingPeriod());          /* Delay of amount equal to sampling period
  float humidity = dht.getHumidity();          /* Get humidity value */
  float temperature = dht.getTemperature();          /* Get temperature value */
  Serial.print(dht.getStatusString());          /* Print status of communication */
  Serial.print("\t");
  Serial.print(humidity, 1);
  Serial.print("\t\t");
  Serial.print(temperature, 1);
  Serial.print("\t\t");
  Serial.println(dht.toFahrenheit(temperature), 1);    /* Convert temperature to Fahrenheit units */
}
```