**Working temperature sensor**

**using esp8266**

Program:-

#include <DHT.h>  
  
#define DHTPIN 4       // Pin connected to the data pin of the DHT sensor  
#define DHTTYPE DHT11   // Change this to DHT22 if you're using that sensor  
  
DHT dht(DHTPIN, DHTTYPE);  
  
void setup() {  
  Serial.begin(115200);  
  dht.begin();  
}  
  
void loop() {  
  delay(2000); // Delay between sensor readings  
  
  // Read temperature in Celsius  
  float temperatureC = dht.readTemperature();  
   
  // Read humidity  
  float humidity = dht.readHumidity();  
   
  // Check if any reads failed and exit early (to try again)  
  if (isnan(temperatureC) || isnan(humidity)) {  
    Serial.println("Failed to read from DHT sensor!");  
    return;  
  }  
  
  // Print temperature and humidity to Serial Monitor  
  Serial.print("Temperature: ");  
  Serial.print(temperatureC);  
  Serial.println(" °C");  
  Serial.print("Humidity: ");  
  Serial.print(humidity);  
  Serial.println(" %");  
}