Design for temperature and humidity

Team Id: PNT2022TMID41407

```
#include <SoftwareSerial.h>
SoftwareSerial bt(8, 9); // RX, TX

#include <LiquidCrystal.h>
#include "dht.h"
#define dataPin A0
LiquidCrystal lcd(2, 3, 4, 5, 6, 7);
dht DHT;

int temp;
int hum;

void setup() {

 Serial.begin(9600);
 bt.begin(9600);
 Serial.println("Ready");

  lcd.begin(16,2);
  lcd.setCursor(0,0);
  lcd.print(" WELCOME To  My ");
  lcd.setCursor(0,1);
  lcd.print("YouTube  Channel");
```

```
  delay(2000);
  lcd.clear();
}

void loop(){
  int readData = DHT.read11(dataPin);

  hum = DHT.humidity;
  temp = DHT.temperature;

  lcd.setCursor(0,0);
  lcd.print("Humidity: ");
  lcd.print(hum);
  lcd.print("% ");

  lcd.setCursor(0,1);
  lcd.print("Temp: ");
  lcd.print(temp);
  lcd.print((char)223); //degree symbol
  lcd.print("C ");

 bt.print(temp); //send distance to MIT App
 bt.print(";");
 bt.print(hum); //send distance to MIT App
 bt.println(";");

  delay(1000);
}
```