

# PREMIER UNIVERSITY

Department of Computer Science & Engineering



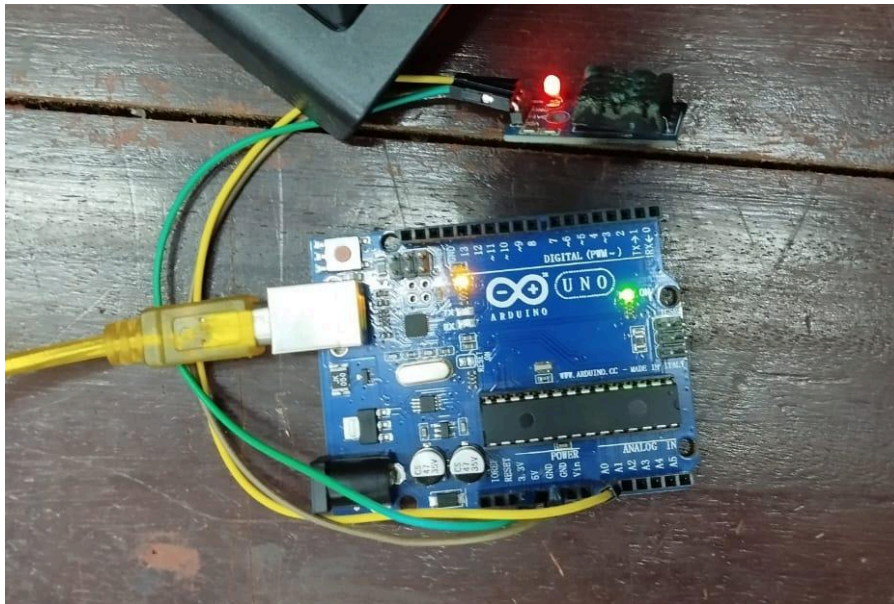
Course Code : **EEE 372**  
Course Title : **Microprocessors & Microcontrollers Laboratory**  
Report No : 04  
Name of Report : Interfacing LM35 With Arduino  
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Course Instructor : Aninda Nandy

## Submitted By :

REMARKS

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Section	: C
Semester	: 5th Semester
Session	: Spring 2024

### Circuit Diagram :



### Code :

```
const int pin = A0;
void setup() {
    Serial.begin(9600);
}

void loop() {
    float X = analogRead(pin);
    float temperature = (X * 22) / 695;
    Serial.print("Temperature : ");
    Serial.println(temperature);
    delay(1000);
}
```

### Result :

