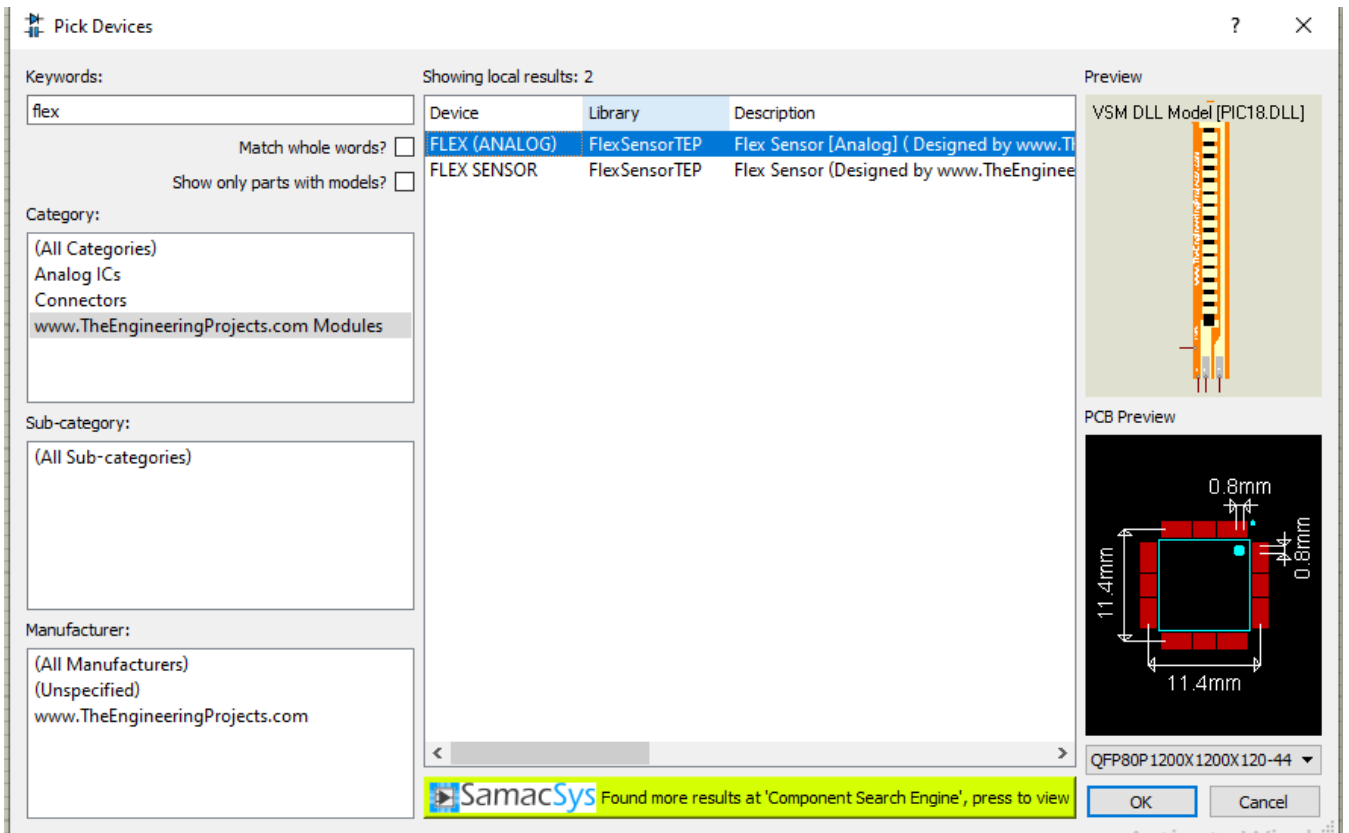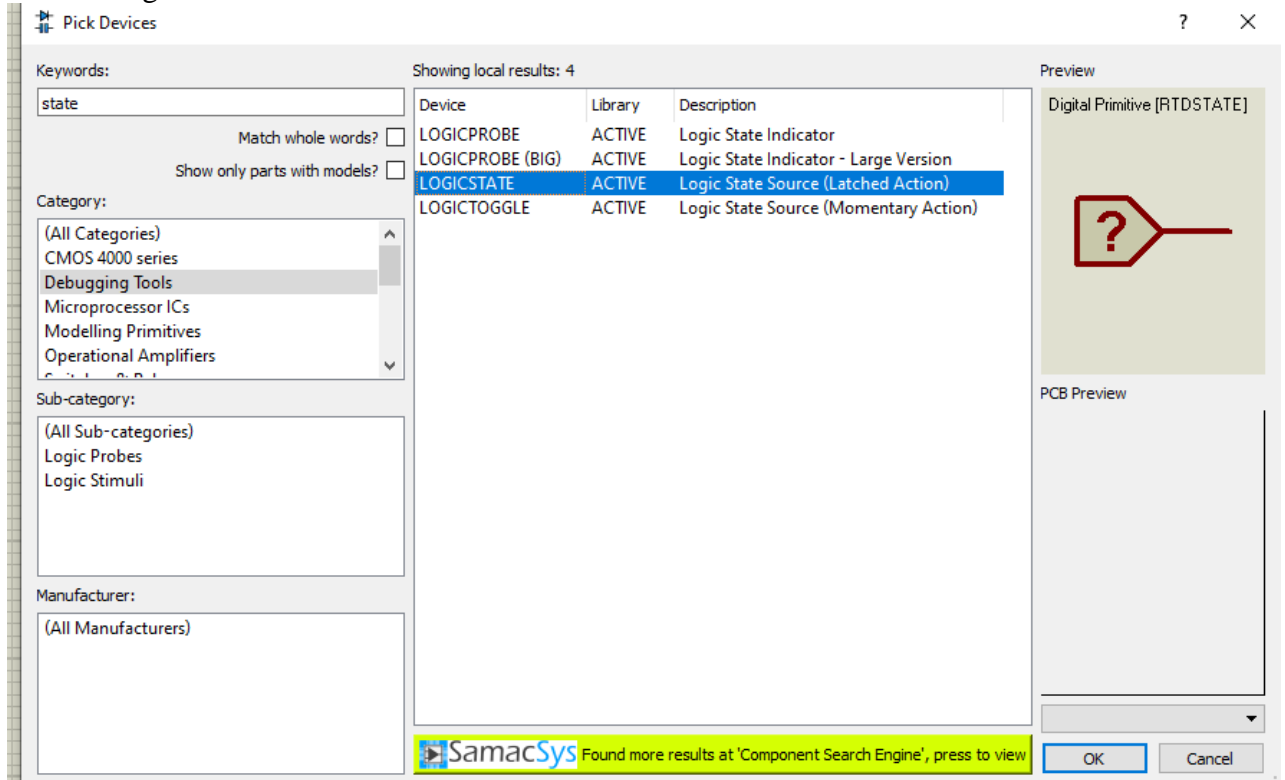# Flex Sensor

By:
Adyan Hussein
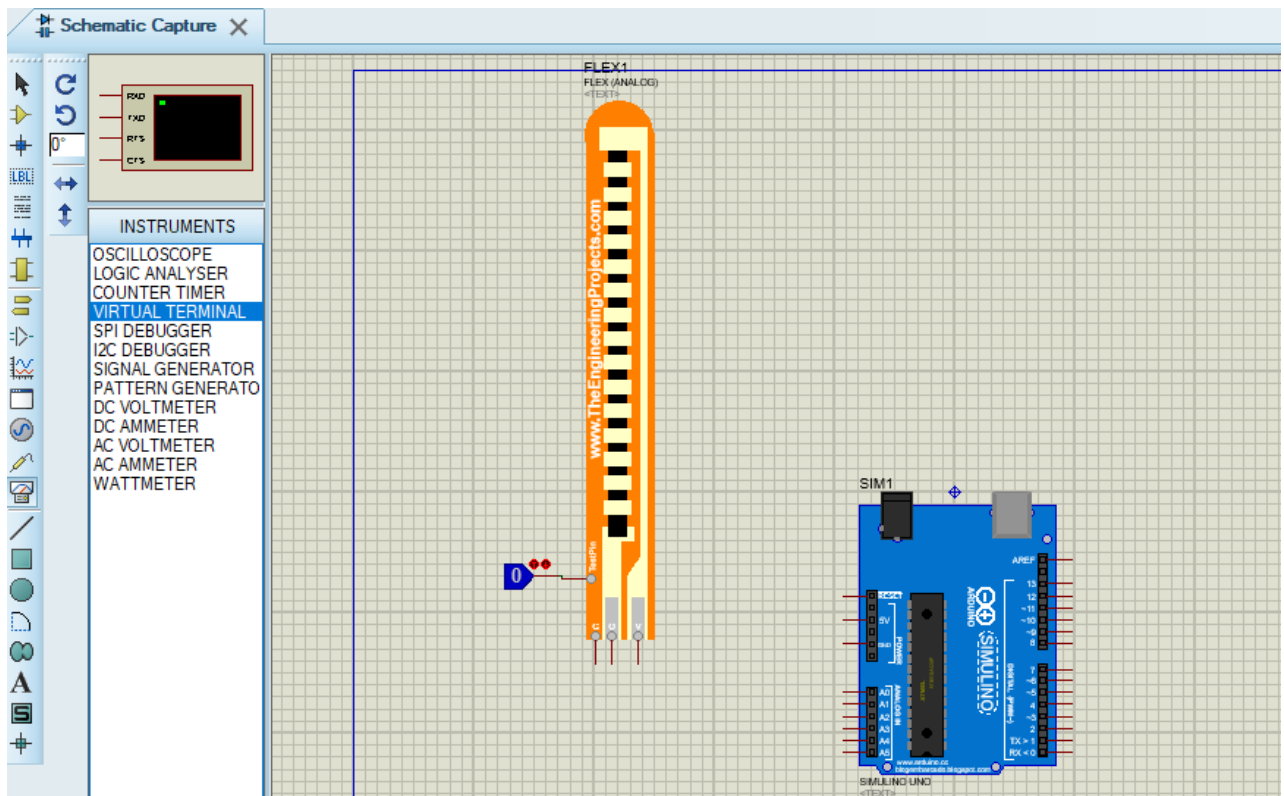*Sannar Aamer*

1. Add Arduino.
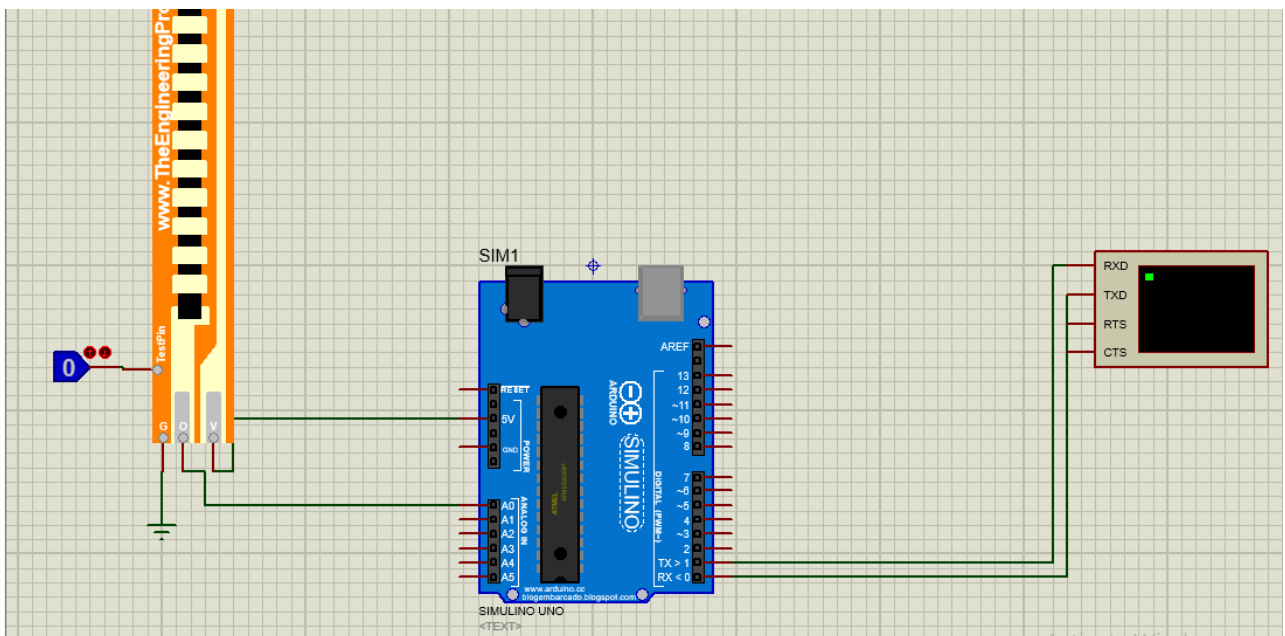2. Add flex sensor.

3. Add ground.
4. Add logic state.

5. Add serial monitor.

6. Connect circuit as ahown below.

Sketch

```
const int flexPin = A0; //pin A0 to read analog input
int value; //save analog value
int value1;
void setup(){
  Serial.begin(9600);        //Begin serial communication
}

void loop(){
  value1 = analogRead(flexPin);  //Read and save analog value from
potentiometer
  value = map(value1,0, 1023, 0, 255); //Map value 0-1023 to 0-255
(PWM)
  Serial.println("value");
  Serial.println(value);
  delay(100);                        //Small delay
}
```