

# IOT Lab - 5th Sem

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Program No : 11 , Week : 6

Program Title : Tilt Sensor

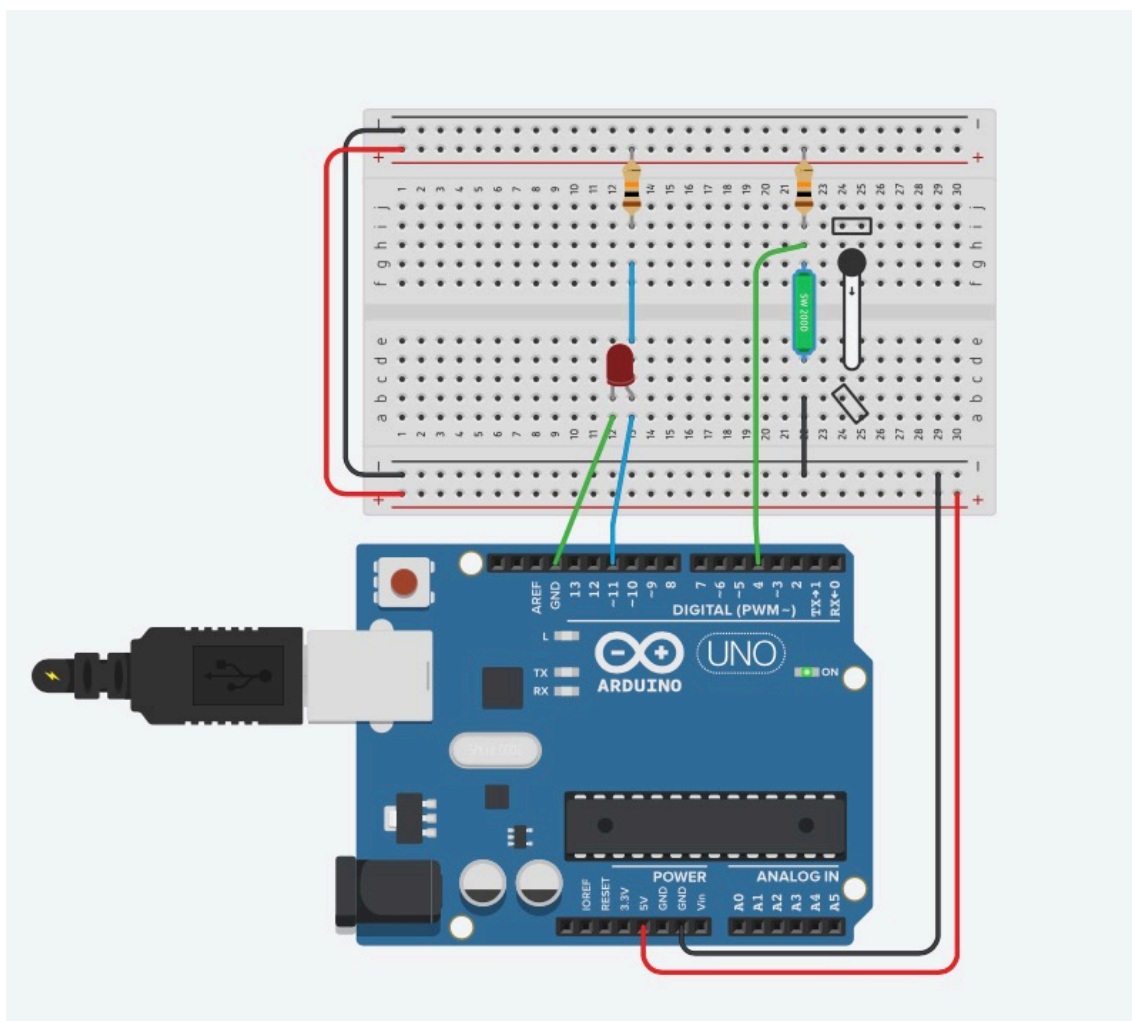
**Aim :**

Design a smart Package handling system (Tilt sensor and LED).

## Hardware Required :

- Arduino Uno Board
- Led Bulb
- Resistors - 240 ohm x2
- Tilt Sensor
- Jump wires

## Circuit Diagram :



## Written Code :

Week 6, Prog 11

Tilt sensor

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```
int tilt = 4;  
int led = 11;  
  
void setup() {  
    pinMode(tilt, INPUT);  
    pinMode(led, OUTPUT);  
}  
  
void loop() {  
    int readings;  
    readings = digitalRead(tilt);  
    if (readings)  
        digitalWrite(led, LOW);  
    else  
        digitalWrite(led, HIGH);  
}
```

## Observation / Output :

The LED was lit when a tilt was observed by the sensor.