

**Name – Parag Gattani**

**Program No. – 12**

**Program Title – Tilt Sensor**

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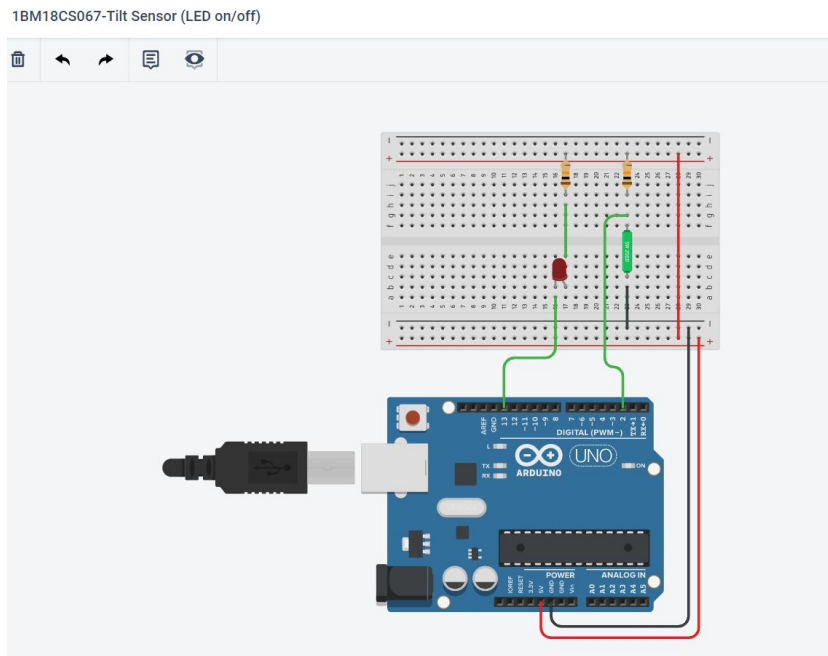
## **AIM**

Design a Smart Package handling system (Tilt sensor and LED)

## **HARDWARES REQUIRED**

- Arduino Board, Breadboard Small
- LEDs, Tilt Sensor, Resistor

## **CIRCUIT DIAGRAM**



## WRITE-UP

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28/10/2020

Exp-12

### Tilt Sensor

Aim :-

Design a Smart Package handling system.

Hardwares Required:-

Arduino Board, Breadboard Small, LEDs,  
Tilt Sensor, Resistor.

Code:-

```
int tilt = 2;  
int led = 13;  
void setup()  
{  
  pinMode ( tilt, input);  
  pinMode ( led, OUTPUT);  
}  
void loop()  
{  
  int reading;  
  reading = digitalRead ( tilt);  
  if ( reading)  
    digitalWrite ( led, LOW);  
  else  
    digitalWrite ( led, HIGH);  
}
```

## CODE

```
int tilt = 2;

int led = 13;

void setup()
{
    pinMode(tilt, INPUT);
    pinMode(led, OUTPUT);
}

void loop()
{
    int reading;
    reading = digitalRead(tilt);
    if(reading)
        digitalWrite(led, LOW);
    else
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}
```

## **OUTPUT**

Designed a Smart Package handling system using Tilt Sensor and LED.