

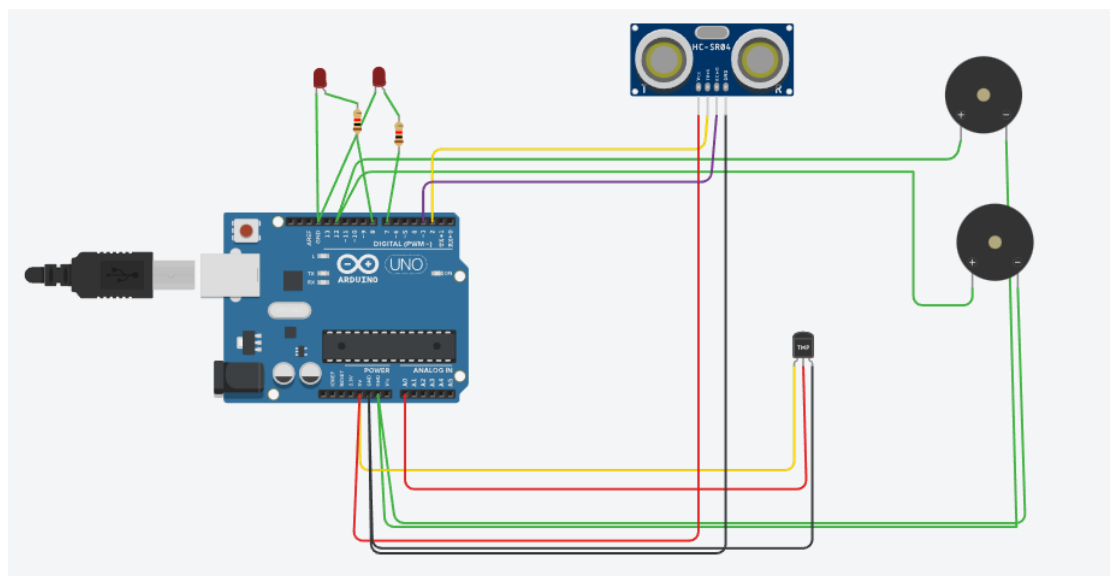
BATCH NO : B1-1M3E

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**TOPIC : IOT BASED SAFETY GADGET
FOR CHILD SAFETY MONITORING AND
NOTIFICATION**

**ASSIGNMENT 1 : BUILD A SMART HOME IN
TINKERCAD USE ATLEAST 2 SENSOR , LED
,BUZZER IN A CIRCUIT. SIMULATE IN A SINGLE
CODE**

CIRCUIT DIAGRAM



PROGRAM

```
int t=2;
```

```
int e=3;

void setup(){

Serial.begin(9600);

pinMode(t,OUTPUT);

pinMode(e,INPUT);

pinMode(12,OUTPUT);

} void loop(){

digitalWrite(t,LOW);

digitalWrite(t,HIGH);

delayMicroseconds(10);

digitalWrite(t,LOW);

float dur=(e,HIGH);

float dis=(dur*0.0343)/2;

Serial.print("Distance is;");

Serial.println(dis);

if(dis>100){

digitalWrite(8,HIGH);

digitalWrite(7,HIGH);

}

if(dis>=100)

{
```

```
for(int i=0;i<=30000;i=i+10)
{
tone(12,i);
delay(1000);
noTone(12);
delay(1000);
}
}

double a=analogRead(A0);
double intt=(((a/1024)*5)-0.5)*100;
Serial.print("Temp Value");
Serial.println(t);
delay(1000);
if(t>=100){
digitalWrite(8,HIGH);
digitalWrite(7,HIGH);
}
if(t=100)
{
for(int i=0;i<=30000;i=i+10)
{
```

```
tone(12,i);  
delay(1000);  
noTone(12);  
delay(1000);  
}  
}  
if(t<100)  
{  
digitalWrite(8,LOW);  
digitalWrite(7,LOW);  
}  
}
```