COURSE NAME: PROFESSIONAL READINESS FOR INNOVATION, EMPLOYMENT AND ENTREPRENEURSHIP

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Assignment 3: Build wowk product, use ultrasonic sensor and detect the distance from the object. Whenever distance is less than 100cms upload the value to the bm cloud in recent device events upload the data from wokwi

```cpp
int t_p=5;
int e_p=18;
float ss=0.034;
long durn;
float dist_cm;

void setup() {

  Serial.begin(115200);
  pinMode(t_p, OUTPUT);
  pinMode(e_p, INPUT);

}

void loop()
 {
digitalWrite(t_p,LOW);
delayMicroseconds(2);
```

```
digitalWrite(t_p,HIGH);
delayMicroseconds(10);
digitalWrite(t_p,LOW);
durn=pulseIn(e_p,HIGH);
dist_cm=durn*ss/2;
Serial.print("distance= ");
Serial.println(dist_cm);
   delay(1000);
}
```

OUTPUT: