



SURYA GROUP OF INSTITUTION
SCHOOL OF ENGINEERING AND TECHNOLOGY
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**COURSE NAME: PROFESSIONAL READINESS FOR
INNOVATION, EMPLOYMENT AND
ENTREPRENEURSHIP**

NAME:

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ASSIGNMENT :3

Build wowki product ,use ultrasonic sensor and detect the distance from the object. When ever distance is less than 100 CMs upload the value to the IBM cloud. In recent device events upload the data from wowki.

```
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:

